

STATE OF OHIO
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL AND GAS RESOURCES MANAGEMENT

In re the Matter of the Application of :
Gulfport Appalachia, LLC, for :
Unit Operation : Application Date: July 13, 2020
: :
Angelo (2020) Unit :

APPLICATION OF GULFPORT APPALACHIA, LLC
FOR UNIT OPERATION

Jenae Allert (0097503)
Gulfport Appalachia, LLC
3001 Quail Springs Parkway
Oklahoma City, Oklahoma 73134

Attorney for Applicant

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EXHIBITS

Exhibit 1	Unit Agreement
Exhibit 2	Unit Operating Agreement
Exhibit 3	Prepared Direct Testimony of Michael Parks (“Geologist”)
Exhibit 4	Prepared Direct Testimony of Daniel Nance (“Reservoir Engineer”)
Exhibit 5	Prepared Direct Testimony of Zac McCoy (“Landman”)
Exhibit 6	Working Interest Owner Approval

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APPLICATION

Pursuant to Ohio Revised Code Section 1509.28, Gulfport Appalachia, LLC (“Gulfport”), hereby respectfully requests the Chief of the Ohio Department of Natural Resources’ Division of Oil and Gas Resources Management (“Division”) to issue an order authorizing Gulfport to operate the Unitized Formation and applicable land area in Jefferson County, Ohio (hereinafter, the “Angelo (2020) Unit”)¹ as a unit according to the Unit Plan attached hereto and as more fully described herein. Gulfport makes this request for the purpose of substantially increasing the ultimate recovery of oil and natural gas, including related liquids, from the Unitized Formation, and to protect the correlative rights of unit owners, consistent with the public policy of Ohio to conserve and develop the state’s natural resources and prevent waste.

I.
APPLICANT INFORMATION

Gulfport is a corporation organized under the laws of the State of Delaware. Gulfport has its principal office in Oklahoma City, Oklahoma and is registered in good standing as an “owner” with the Division.

Gulfport designates to receive service, and respectfully requests that all orders, correspondence, pleadings and documents from the Division and other persons concerning this filing be served upon, the following:

Jenae Allert – Director of Title and Division Orders
Gulfport Appalachia, LLC
3001 Quail Springs Parkway
Oklahoma City, Oklahoma 73134
Tel. (405) 252-4772
E-mail: jallert@gulfportenergy.com

For questions regarding Owner Relations, please contact ownerrelationsgpor@lislv.com or go to gulfportenergy.com/royalty-owners.

¹ The Angelo Unit (2020) will be referred to throughout the application as the Angelo Unit for ease of reference.

II.
PROJECT DESCRIPTION

The Angelo Unit is located in Jefferson County, Ohio, and consists of sixty-two (62) separate tracts of land. See Exhibit A-1 thru A-6 of the Unit Operating Agreement (showing the plat and tract participations, respectively). The total land area in the Angelo Unit is approximately 581.837 surveyed acres. Gulfport has the right to drill on and produce from approximately 513.97845871 acres of the proposed unit through its leasehold interest and working interest approval rights committed to the Angelo Unit by Gulfport and Ascent Resources - Utica, LLC – approximately eighty-eight percent (88.33719043%) of the unit area, which is greater than the sixty-five percent (65%) threshold required by Ohio Revised Code § 1509.28.² As more specifically described herein, Gulfport seeks authority to drill and complete one horizontal well(s) in the Unitized Formation from a single well pad to efficiently test, develop, and operate the Unitized Formation for oil, natural gas, and related liquids production.

Gulfport's plan for unit operations (the "Unit Plan") is attached to this Application and consists of the Unit Agreement, attached as Exhibit 1; and the Unit Operating Agreement, attached as Exhibit 2. Among other things, the Unit Plan allocates unit production and expenses based upon each tract's surface acreage participation in the unit; includes a carry provision for those unit participants unable to meet their financial obligations, the amount of which is based upon the risks of and costs related to the project; and conforms to industry standards for the drilling and operating of horizontal wells generally used by the Applicant with other interest owners.

III.
TESTIMONY

The following pre-filed testimony has been attached to the Application supporting the Angelo Unit's formation: (i) testimony from a Geologist establishing that the Unitized Formation is part of a pool and supporting the Unit Plan's recommended allocation of unit production and expenses on a surface acreage basis;³ (ii) testimony from a Reservoir Engineer establishing that unitization is reasonably necessary to increase substantially the recovery of oil and gas, and that the value of the estimated additional resource recovery from unit operations

² See Prepared Direct Testimony of Zac McCoy at 2-3, attached as Exhibit 5.

³ See Prepared Direct Testimony of Michael Parks, attached as Exhibit 3.

exceeds its additional costs;⁴ and (iii) testimony from an operational Landman with firsthand knowledge of Gulfport's Ohio development who describes the project generally, the Unit Plan, efforts to lease unleased owners, and the approvals received for unit development.⁵

IV.
THE CHIEF SHOULD GRANT THIS APPLICATION

A. Legal Standard

Ohio Revised Code § 1509.28 requires the Chief of the Division to issue an order providing for the unit operation of a pool – or a part thereof – if it is reasonably necessary to increase substantially the ultimate recovery of oil and gas, and the value of the estimated additional resource recovery from the unit's operations exceeds its additional costs. See Ohio Rev. Code § 1509.28(A).

The Chief's order must be on terms and conditions that are just and reasonable and prescribe a plan for unit operations that includes the following:

- (1) a description of the unit area;
- (2) a statement of the nature of the contemplated operations;
- (3) an allocation of production from the unit area not used in unit operations, or otherwise lost, to the separately owned tracts;
- (4) a provision addressing credits and charges to be made for the investment in wells, tanks, pumps, and other equipment contributed to unit operations by owners in the unit;
- (5) a provision addressing how unit operation expenses shall be determined and charged to the separately owned tracts in the unit, and how they will be paid;
- (6) a provision, if necessary, for carrying someone unable to meet their financial obligations in connection with the unit;
- (7) a provision for the supervision and conduct of unit operations in which each person has a vote with a value corresponding to the percentage of unit operations expenses chargeable against that person's interest;
- (8) the time when operations shall commence and the manner in which, and circumstances under which, unit operations will terminate; and
- (9) such other provisions appropriate for engaging in unit operation and for the protection or adjustment of correlative rights.

See Ohio Rev. Code § 1509.28(A). The Chief's order becomes effective once approved in writing by those working-interest owners who will be responsible for paying at least sixty-five percent of the costs of the unit's operations and by royalty and unleased fee-owners of sixty-five

⁴ See Prepared Direct Testimony of Daniel Nance, attached as Exhibit 4.

⁵ See Prepared Direct Testimony of Zac McCoy, attached as Exhibit 5.

percent of the unit's acreage. Once effective, production that is "allocated to a separately owned tract shall be deemed, for all purposes, to have been actually produced from such tract, and all operations *** [conducted] upon any portion of the unit area shall be deemed for all purposes the conduct of such operations and production from any lease or contract for lands any portion of which is included in the unit area." Ohio Rev. Code § 1509.28.

B. Gulfport's Application Meets this Standard

i. *The Unitized Formation is Part of a Pool*

The "Unitized Formation" consists of the subsurface portion of the Unit Area (i.e., the lands shown on Exhibit A-1 and identified in Exhibit A-2 thru A-6 to the Unit Operating Agreement) at a depth located from fifty feet above the top of the Utica Shale to fifty feet below the top of the Trenton Limestone formation, and frequently referred to as the Utica/Point Pleasant formation. The evidence presented in this Application establishes that the Unitized Formation is part of a pool and thus an appropriate subject of unit operation under Ohio Rev. Code § 1509.28.⁶ Additionally, that evidence establishes that the Unitized Formation is likely to be reasonably uniformly distributed throughout the Unit Area – and thus that it is reasonable for the Unit Plan to allocate unit production and expenses to separately owned tracts on a surface acreage basis.⁷

ii. *Unit Operations Are Reasonably Necessary to Increase Substantially the Ultimate Recovery of Oil and Gas*

The evidence presented in this Application establishes that unit operations are reasonably necessary to increase substantially the ultimate recovery of oil and gas from the lands making up the Angelo Unit. The Unit Plan contemplates the potential drilling of approximately one (1) horizontal well(s) from a single well pad, with lateral lengths of approximately 19,833 feet and with the potential for additional unit wells in the event they are necessary to fully recover the resource.⁸ Gulfport estimates that the ultimate recovery from this unit development could be as much as 42.1 billion cubic feet (Bcf) of natural gas from the Unitized Formation.⁹ Absent unit development, that recovery would be substantially less: First, the evidence shows that it is unlikely that vertical development of the unit would ever take place because it is likely to be

⁶ A "pool" is defined under Ohio law as "an underground reservoir containing a common accumulation of oil or gas, or both, but does not include a gas storage reservoir." Ohio Rev. Code § 1509.01(E). See also Exhibit 3 at 2-3.

⁷ Exhibit 3 at 3-5.

⁸ See, e.g., Exhibit 5 at 4-5.

⁹ See, e.g., Exhibit 4 at 3-6. We emphasize that these are only estimates, and like the rest of the estimates set forth in this Application, they should be treated as simply estimates based upon the best information available at the time.

uneconomic – resulting in potentially no resource recovery from the Unitized Formation.¹⁰ Second, simply relying on shorter horizontal laterals to develop the Unitized Formation underlying the Angelo Unit would be uneconomical. Oil and gas recovery from horizontal drilling methods is directly related to the length of the lateral – limit a lateral’s length and you limit its ultimate recovery. Here, in absence of unit operations being granted, the unleased and uncommitted tracts would prevent the development of all wells in the unit area and lead to stranding the corresponding reserves.¹¹

The evidence thus shows that the contemplated unit operations are reasonably necessary to allow for, much less increase substantially, the recovery of oil and gas from the Unitized Formation.¹²

iii. *The Value of Additional Recovery Exceeds Its Additional Costs*

As set forth in Daniel Nance’s testimony, Gulfport estimates the difference in net present value between the two scenarios (i.e., the difference between in the “Unitized Scenario” and in the “Non-Unitized Scenario – Gulfport Development” referred to in Exhibit 5) is approximately \$9.465 million¹³ at a net present value discounted at 10% per annum; or \$23.624¹⁴ million at an undiscounted net cash flow. See Exhibit 5, showing for each proposed well the estimated value of the well’s production and the estimated drilling and operating costs (incorporated here as if fully written herein). In particular, it shows that the capital/drilling costs will average \$13.862¹⁵ million per well. Incorporated into this analysis are both fixed and variable operating cost estimates estimated to be realized to maintain production for the life of the well.¹⁶ Further, when assuming a \$2.498 per Mcf gas price¹⁷ the undiscounted gross revenue for the Angelo Unit is \$105.3 million. Thus, the evidence establishes that the value of the estimated recovery exceeds the estimated additional costs incident to conducting unit operations.

¹⁰ *Id.* at 4-6.

¹¹ *Id.* at 4-6.

¹² *Id.* at 5-7.

¹³ *Id.* at 5-7.

¹⁴ *Id.* at 5-7.

¹⁵ *Id.* at 5-7

¹⁶ *Id.* at 5-7.

¹⁷ *Id.* at 6. This estimate includes all revenue and expenses (capital and operating) at a flat price assumption of \$2.498/Mcf gas price.

iv. *The Unit Plan Meets the Requirements of Ohio Revised Code § 1509.28*

The Unit Plan proposed by Gulfport meets the requirements set forth in Ohio Revised Code § 1509.28. The unit area is described in the Unit Agreement at Article 1, as well as on Exhibit A-1 thru A-6 to the Unit Operating Agreement. The nature of the contemplated unit operations can be found generally in the Unit Agreement at Article 3, with greater specificity throughout the Unit Agreement and Unit Operating Agreement.¹⁸ Unit production and unit expenses are allocated on a surface acreage basis as set forth in the Unit Agreement at Articles 3 through 5 (generally), except where otherwise allocated by the Unit Operating Agreement.¹⁹ Payment of unit expenses is addressed generally in Article 3 of the Unit Agreement.²⁰ No provision for credits and charges related to contributions made by owners in the unit area regarding wells, tanks, pumps and other equipment for unit operations are addressed in the Unit Operating Agreement because none are contemplated.²¹ The Unit Plan provides for various carries in the event a participant is unable to meet its financial obligations related to the unit – see, e.g., Article VI of the Unit Operating Agreement.²² Voting provisions related to the supervision and conduct of unit operations are set forth in Article XV of the Unit Operating Agreement, with each person having a vote that has a value corresponding to the percentage of unit expenses chargeable against that person's interest.²³ Commencement and termination of operations are addressed in Articles 11 and 12 of the Unit Agreement.

V.
APPROVALS

As of the filing of this Application, the Unit Plan has been agreed to or approved by approximately eighty-eight percent (88.33719043%) of Working Interest Owners. See Exhibit 5 at 2-4, and Exhibit 6. Said approval exceeds the statutory minimum requirements set forth in Ohio Revised Code § 1509.28.

VI.
HEARING

Ohio Revised Code § 1509.28 requires the Chief to hold a hearing to consider this Application, when requested by sixty-five percent (65%) of the owners of the land area

¹⁸ See also, e.g., Exhibit 5 at 6-10.

¹⁹ Id. at 7-10.

²⁰ Id.

²¹ Id. at 10.

²² Id. at 10-13.

²³ Id. at 11-13.

underlying the proposed unit. Ohio Rev. Code § 1509.28(A). That threshold level is met here. Accordingly, Gulfport respectfully requests that the Division schedule a hearing at an available hearing room located at the Division's Columbus complex for the earliest available unitization docket, to consider the Application filed herein.

VII. CONCLUSION

Ohio Revised Code § 1509.28 requires the Chief of the Division to issue an order for the unit operation of a pool – or a part thereof – if it is reasonably necessary to increase substantially the recovery of oil and gas, and the value of the estimated additional recovery from the unit's operations exceeds its additional costs. Gulfport respectfully submits that the Application meets this standard, and that the terms and conditions of the Unit Plan are just and reasonable and satisfy the requirements of Ohio Revised Code § 1509.28(B). Gulfport therefore asks the Chief to issue an order authorizing Gulfport to operate the Angelo Unit according to the Unit Plan attached hereto.

Respectfully submitted,

Jenae Allert (0097503)
Gulfport Appalachia, LLC
3001 Quail Springs Parkway
Oklahoma City, Oklahoma 73134

Attorney for Applicant

**UNIT AGREEMENT
THE ANGELO UNIT
WARREN TOWNSHIP
JEFFERSON COUNTY, OHIO**

THIS AGREEMENT, entered into as of this 13rd day of July, 2020, by the parties subscribing, ratifying, approving, consenting to, or bound to the original of this instrument, a counterpart thereof, or other instrument agreeing to become a party hereto; and by those parties participating as a result of an order issued by the Division of Oil and Gas Resources Management (“Division”) pursuant to Ohio Revised Code Section 1509.28.

W I T N E S S E T H:

WHEREAS, in the interest of the public welfare and to promote conservation and increase the ultimate recovery of oil, natural gas, and other substances from the Angelo Unit, in Warren Township, Jefferson County, Ohio, and to avoid waste and protect the correlative rights of the owners of interests therein, it is deemed necessary and desirable to enter into and approve this Agreement to create and establish a unit comprising the Unit Area under the applicable laws of the State of Ohio to unitize the Oil and Gas Rights in and to the Unitized Formation in order to conduct Unit Operations as herein provided; and,

WHEREAS, this Agreement generally maintains a 1/8th royalty (12.5%) and allocates responsibility for the supervision and conduct of Unit Operations, and responsibility for the payment of Unit Expenses, to Working Interest Owners based upon each owner's pro rata interest in the unit acreage;

NOW THEREFORE, in consideration of the premises and of the mutual agreements herein contained, it is agreed and approved as follows:

ARTICLE 1: DEFINITIONS

As used in this Agreement:

Effective Date is the time and date this Agreement becomes effective as provided in Article 11.

Oil and Gas Rights are the rights to investigate, explore, prospect, drill, develop, market, transport, and operate within the Unit Area for the production of Unitized Substances, or to share in the production so obtained or the proceeds thereof, including without limitation the conducting of exploration, geologic and/or geophysical surveys by seismograph, core test, gravity and/or magnetic methods, the injecting of gas, water, air or other fluids into the Unitized Formation, the installation, operation and maintenance of monitoring facilities, the laying of pipelines, building of roads, tanks, power stations, telephone lines, and/or other structures.

Person is any individual, corporation, partnership, association, receiver, trustee, curator, executor, administrator, guardian, fiduciary, or other representative of any kind, any department, agency, or instrumentality of the state, or any governmental subdivision thereof, or any other entity capable of holding an interest in the Unitized Substances or Unitized Formation.

Royalty Interest means a right to or interest in any portion of the Unitized Substances or proceeds from the sale thereof other than a Working Interest.

Royalty Owner is a Person who owns a Royalty Interest.

Tract means the land identified by a tract number in Exhibit A-2 thru A-6 to the Unit Operating Agreement.

Tract Participation means the fractional interest shown on Exhibit A-2 thru A-6 to the Unit Operating Agreement for allocating Unitized Substances to a Tract.

Uncommitted Working Interest Owner is a Working Interest Owner, other than an unleased mineral owner, who has not agreed to, ratified or otherwise approved this Plan. Uncommitted Working Interest Owners are likely, but not necessarily, to have obtained their interest by lease.

Unit Area means the lands shown on the plat attached as Exhibit A-1 and identified on Exhibit A-2, A-3 and A-4 to the Unit Operating Agreement, including also areas to which this Agreement may be extended as herein provided.

Unit Equipment means all personal property, lease and well equipment, plants, and other facilities and equipment taken over or otherwise acquired for the unit account for use in Unit Operations.

Unit Expense means all cost, expense, investment and indebtedness incurred by Working Interest Owners or Unit Operator pursuant to this Agreement and the Unit Operating Agreement for or on account of Unit Operations, but shall not include post-production costs attributable to Royalty Owner interests.

Unitized Formation means the subsurface portion of the Unit Area located from fifty feet above the top of the Utica Shale (at an approximate depth of 9,455 feet) to fifty feet below the top of the Trenton Limestone formation (at an approximate depth of 10,255 feet).

Unit Operating Agreement means the modified A.A.P.L. Form 610-1982 Model Form Operating Agreement, dated July 13, 2020, for the Angelo Unit, which is attached hereto. Such Unit Operating Agreement contains provisions for credits and charges among Working Interest Owners for their respective investments in, and expenses for, Unit Operations, including a provision, if necessary, for carrying any Person unable or electing not to participate in Unit Operations. In addition, the Unit Operating Agreement also contains provisions relating to the supervision and conduct of Unit Operations and the manner in which Working Interest Owners may vote. The Unit Operating Agreement is hereby confirmed and by reference made a part of this Agreement. In the event of a conflict between such agreements, the terms of the Unit Operating Agreement shall govern.

Unit Operations are all operations conducted pursuant to this Agreement and the Unit Operating Agreement.

Unit Operator is the Person designated by Working Interest Owners under the Unit Operating Agreement to conduct Unit Operations.

Unit Participation is the sum of the interests obtained by multiplying the Working Interest of a Working Interest Owner in each Tract by the Tract Participation of such Tract.

Unitized Substances are all oil, gas, gaseous substances, sulfur, condensate, distillate, and all associated and constituent liquid or liquefiable hydrocarbons within or produced from the Unitized Formation.

Working Interest means an interest in Unitized Substances in the Unit Area by virtue of a lease, operating agreement, fee title, or otherwise, including a carried interest, the owner of which is obligated to pay, either in cash or out of production or otherwise, a portion of the Unit Expense; however, Oil and Gas Rights that are free of a lease or other instrument creating a Working Interest shall be regarded as a Working Interest to the extent of 7/8ths (87.5%) thereof and a Royalty Interest to the extent of the remaining 1/8th (12.5%). A Royalty Interest created out of a Working Interest subsequent to the participation of, subscription to, ratification of, approval by, or consent to this Agreement by the owner of such Working Interest shall continue to be subject to such Working Interest burdens and obligations that are stated in this Agreement and the Unit Operating Agreement.

Working Interest Owner is a Person who owns a Working Interest.

ARTICLE 2: CREATION AND EFFECT OF UNIT

Oil and Gas Rights Unitized. All Royalty Interests and Working Interests in Oil and Gas Rights in and to the lands identified on Exhibits A-1 thru A-6 to the Unit Operating Agreement are hereby unitized insofar as, and only insofar as, the respective Oil and Gas Rights pertain to the Unitized Formation, so that Unit Operations may be conducted with respect to the Unitized Formation as if the Unit Area had been included in a single lease executed by all Royalty Owners, as lessors, in favor of all Working Interest Owners, as lessees, and as if the lease contained all of the provisions of this Agreement.

Personal Property Excepted. All lease and well equipment, materials, and other facilities heretofore or hereafter placed by any of the Working Interest Owners on the lands covered hereby shall be deemed to be and shall remain personal property belonging to, and may be removed by, Working Interest Owners with the prior consent of Unit Operator. The rights and interests therein, as among Working Interest Owners, are set forth in the Unit Operating Agreement.

Operations. If an order is issued granting Unit Operator the authority to conduct Unit Operations, the operations conducted pursuant to the order of the chief shall constitute a fulfillment of all the express or implied obligations of each lease or contract covering lands in the unit area to the extent of that compliance with such obligations cannot be had because of the order of the chief

Continuation of Leases and Term Interests. Unit Operations conducted upon any part of the Unit Area or production of Unitized Substances from any part of the Unitized Formation, except for the purpose of determining payments to Royalty Owners, shall be considered as operations upon or production from each portion of each Tract, and such production or operations shall continue in effect each lease or term, mineral or Royalty Interest, as to all Tracts and formations covered or affected by this Unit Agreement just as if such Unit Operations had been conducted and a well had been drilled on and was producing from each portion of each Tract. It is agreed that each lease shall remain in full force and effect from the date of execution hereof until the Effective Date, and thereafter in accordance with its terms and this Agreement.

Titles Unaffected by Unitization. Nothing herein shall be construed to result in any transfer of title to Oil and Gas Rights by any Person to any other Person or to Unit Operator.

Pre-existing Conditions in Unit Area. Working Interest Owners shall not be liable for or assume any obligation with respect to (i) the restoration or remediation of any condition associated with the Unit Area that existed prior to the Effective Date of this Agreement, or (ii) the removal and/or plugging and abandonment of any wellbore, equipment, fixtures, facilities or other property located in, on or under the Unit Area prior to the Effective Date of this Agreement. Working Interest Owners reserve the right to elect, but shall not have the obligation, to use for injection and/or operational purposes any nonproducing or abandoned wells or dry holes, and any other wells completed in the Unitized Formation.

ARTICLE 3: UNIT OPERATIONS

Unit Operator. Unit Operator shall have the exclusive right to conduct Unit Operations, which shall conform to the provisions of this Agreement and the Unit Operating Agreement.

Unit Expenses. Except as otherwise provided in the Unit Operating Agreement, Unit Expenses shall be allocated to each Tract in the proportion that the surface acres of each Tract bears to the surface acres of the Unit Area, and shall be paid by the respective Working Interest Owners. Oil and Gas Rights that are free of a lease or other instrument creating a Working Interest shall be regarded as a Working Interest to the extent of 7/8ths (87.5%) thereof and a Royalty Interest to the extent of the remaining 1/8th (12.5%) thereof.

ARTICLE 4: TRACT PARTICIPATIONS

Tract Participations. The Tract Participation of each Tract is identified in Exhibit A-2 thru A-6 to the Unit Operating Agreement and shall be determined solely upon an acreage basis as the proportion that the Tract surface acreage bears to the total surface acreage of the Unit Area. The Tract Participation of each Tract has been calculated as follows: SURFACE ACRES IN EACH TRACT DIVIDED BY THE TOTAL SURFACE ACRES WITHIN THE UNIT AREA. The Tract Participations as shown in Exhibit A-2 thru A-6 to the Unit Operating Agreement are accepted and approved as being fair and equitable.

ARTICLE 5: ALLOCATION OF UNITIZED SUBSTANCES

Allocation of Unitized Substances. All Unitized Substances produced and saved shall be allocated to the several Tracts in accordance with the respective Tract Participations effective during the period that the Unitized Substances were produced. The amount of Unitized Substances allocated to each Tract, regardless of whether the amount is more or less than the actual production of Unitized Substances from the well or wells, if any, on such Tract, shall be deemed for all purposes to have been produced from such Tract.

Distribution Within Tracts. The Unitized Substances allocated to each Tract or portion thereof shall be distributed among, or accounted for to, the Persons entitled to share in the production from such Tract or portion thereof in the same manner, in the same proportions, and upon the same conditions as they would have participated and shared in the production from such Tract, or in the proceeds thereof, had this Agreement not been entered into, and with the same legal effect. If any Oil and Gas Rights in a Tract hereafter become divided and owned in severalty as to different parts of the Tract, the owners of the divided interests, in the absence of an agreement providing for a different division, shall share in the Unitized Substances allocated

to the Tract, or in the proceeds thereof, in proportion to the surface acreage of their respective parts of the Tract. Any royalty or other payment which depends upon per well production or pipeline runs from a well or wells on a Tract shall, after the Effective Date, be determined by dividing the Unitized Substances allocated to the Tract by the number of wells on the Tract capable of producing Unitized Substances on the Effective Date; however, if any Tract has no well thereon capable of producing Unitized Substances on the Effective Date, the Tract shall, for the purpose of this determination, be deemed to have one (1) such well thereon.

ARTICLE 6: USE OR LOSS OF UNITIZED SUBSTANCES

Use of Unitized Substances. Working Interest Owners may use or consume Unitized Substances for Unit Operations, including but not limited to, the injection thereof into the Unitized Formation.

Royalty Payments. No royalty, overriding royalty, production, or other payments shall be payable on account of Unitized Substances used, lost, or consumed in Unit Operations.

ARTICLE 7: TITLES

Warranty and Indemnity. Each Person who, by acceptance of produced Unitized Substances or the proceeds from a sale thereof, may claim to own a Working Interest or Royalty Interest in and to any Tract or in the Unitized Substances allocated thereto, shall be deemed to have warranted its title to such interest, and, upon receipt of the Unitized Substances or the proceeds from a sale thereof to the credit of such interest, shall indemnify and hold harmless all other Persons in interest from any loss due to failure, in whole or in part, of its title to any such interest.

Production Where Title is in Dispute. If the title or right of any Person claiming the right to receive in kind all or any portion of the Unitized Substances allocated to a Tract is in dispute, Unit Operator at the direction of Working Interest Owners may: Require that the Person to whom such Unitized Substances are delivered or to whom the proceeds from a sale thereof are paid furnish security for the proper accounting therefor to the rightful owner or owners if the title or right of such Person fails in whole or in part; or withhold and market the portion of Unitized Substances with respect to which title or right is in dispute, and hold the proceeds thereof until such time as the title or right thereto is established by a final judgment of a court of competent jurisdiction or otherwise to the satisfaction of Working Interest Owners, whereupon the proceeds so held shall be paid to the Person rightfully entitled thereto.

Transfer of Title. Any conveyance of all or any part of any interest owned by any Person hereto with respect to any Tract shall be made expressly subject to this Agreement. No change of title shall be binding upon Unit Operator, or upon any Person hereto other than the Person so transferring, until 7:00 a.m. on the first day of the calendar month next succeeding the date of receipt by Unit Operator of a certified copy of the recorded instrument evidencing such change in ownership.

ARTICLE 8: EASEMENTS, GRANTS, OR USE OF SURFACE

Grant of Easements. Subject to the terms and conditions of the various leases, Unit Operator shall have the right of ingress and egress along with the right to use as much of the surface of the land within the Unit Area as may be reasonably necessary for Unit Operations and the removal of Unitized Substances from the Unit Area.

Use of Water. Subject to the terms and conditions of the various leases, Unit Operator shall have and is hereby granted free use of water from the Unit Area for Unit Operations, except water from any well, lake, pond, or irrigation ditch of a Royalty Owner. Unit Operator may convert dry or abandoned wells in the Unit Area for use as water supply or disposal wells.

Surface Damages. Subject to the terms and conditions of the various leases, Working Interest Owners shall reimburse the owner for the market value prevailing in the area of growing crops, livestock, timber, fences, improvements, and structures on the Unit Area that are destroyed or damaged as a result of Unit Operations.

Unitized Property. Notwithstanding anything in this Article 8 to the contrary, and except where otherwise authorized by the Division, there shall be no Unit Operations conducted on the surface of any property located within the Angelo Unit, and there shall be no right of ingress and egress over and no right to use the surface waters of any surface lands located within

the Angelo Unit, owned by an interest owner identified in Exhibit A-3 to the Unit Operating Agreement, unless said interest owner is not the owner of the surface estate.

ARTICLE 9: CHANGE OF TITLE

Covenant Running with the Land. This Agreement shall extend to, be binding upon, and inure to the benefit of, the respective heirs, devisees, legal representatives, successors, and assigns of the parties hereto, and shall constitute a covenant running with the lands, leases, and interests conveyed hereby.

Waiver of Rights of Partition. Each party to this Agreement understands and acknowledges, and is hereby deemed to covenant and agree, that during the term of this Agreement it will not resort to any action to, and shall not, partition Oil and Gas Rights, the Unit Area, the Unitized Formation, the Unitized Substances or the Unit Equipment, and to that extent waives the benefits of all laws authorizing such partition.

ARTICLE 10: RELATIONSHIPS OF PERSONS

No Partnership. All duties, obligations, and liabilities arising hereunder shall be several and not joint or collective. This Agreement is not intended to and shall not be construed to create an association or trust, or to impose a partnership or fiduciary duty, obligation, or liability. Each Person affected hereby shall be individually responsible for its own obligations.

No Joint or Cooperative Refining, Sale or Marketing. This Agreement is not intended and shall not be construed to provide, directly or indirectly, for any joint or cooperative refining, sale or marketing of Unitized Substances.

ARTICLE 11: EFFECTIVE DATE

Effective Date. This Agreement shall become effective, and operations may commence hereunder, as of the date of an effective order approving this unit by the Division in accordance with the provisions of Ohio Revised Code Section 1509.28; provided, however, that Working Interest Owners may terminate this Agreement in the event of a material modification by the Division of all or any part of this Agreement or the Unit Operating Agreement in such order by filing a notice of termination with the Division within thirty (30) days of such order becoming final and no longer subject to further appeal. In the event a dispute arises or exists with respect to this Agreement, the Unit Operating Agreement, or the order approving this unit issued by the Division, Unit Operator may, in its sole discretion, hold the revenues from the sale of Unitized Substances until such time as such dispute is resolved or, in the Unit Operator's opinion, it is appropriate to distribute such revenues.

Certificate of Effectiveness. Unit Operator shall file with the Division and for record in the county or counties in which the land affected is located a certificate stating the Effective Date.

ARTICLE 12: TERM

Term. This Agreement, unless sooner terminated in the manner hereinafter provided, shall remain in effect for five (5) years from the Effective Date and as long thereafter as Unitized Substances are produced, or are capable of being produced, in paying quantities from the Unit Area without a cessation of more than ninety (90) consecutive days, or so long as other Unit Operations are conducted without a cessation of more than ninety (90) consecutive days, unless sooner terminated by Working Interest Owners owning a combined Unit Participation of fifty-one percent (51%) or more whenever such Working Interest Owners determine that Unit Operations are no longer warranted. The date of any termination hereunder shall be known as the "Termination Date."

Effect of Termination. Upon termination of this Agreement, the further development and operation of the Unitized Formation as a unit shall cease. Each oil and gas lease and other agreement covering lands within the Unit Area shall remain in force for one hundred eighty (180) days after the date on which this Agreement terminates, and for such further period as is provided by the lease or other agreement. The relationships among owners of Oil and Gas Rights shall thereafter be governed by the terms and provisions of the leases and other instruments, not including this Agreement, affecting the separate Tracts.

Certificate of Termination. Upon termination of this Agreement, Unit Operator shall file with the Division and for record in the county or counties in which the land affected is located a certificate stating that this Agreement has terminated and the Termination Date.

Salvaging Equipment Upon Termination. If not otherwise granted by the leases or other instruments affecting the separate Tracts, Working Interest Owners shall have a period of six (6) months after the Termination Date within which to salvage and remove Unit Equipment.

ARTICLE 13: APPROVAL

Original, Counterpart, or Other Instrument. An owner of Oil and Gas Rights or its agent may approve this Agreement by signing the original, a counterpart thereof, or other instrument approving this Agreement. The signing of any such instrument shall have the same effect as if all Persons had signed the same instrument.

Commitment of Interests to Unit. The approval of this Agreement by a Person or their agent shall bind that Person and commit all interests owned or controlled by that Person as of the date of such approval, and additional interests thereafter acquired.

Joiner in Dual Capacity. Execution as herein provided by any Person, as either Working Interest Owner or a Royalty Owner, shall commit all interests owned or controlled by such Person as of the date of such execution and any additional interest thereafter acquired.

ARTICLE 14: MISCELLANEOUS

Determinations by Working Interest Owners. All decisions, determinations, or approvals by Working Interest Owners hereunder shall be made pursuant to the voting procedure of the Unit Operating Agreement unless otherwise provided herein.

Severability of Provisions. The provisions of this Agreement are severable and if any section, sentence, clause or part thereof is held to be invalid for any reason, such invalidity shall not be construed to affect the validity of the remaining provisions of this Agreement.

Laws and Regulations. This Agreement shall be governed by and subject to the laws of the State of Ohio, to the valid rules, regulations, orders and permits of the Division, and to all other applicable federal, state, and municipal laws, rules, regulations, orders, and ordinances. Any change of the Unit Area or any amendment to this Agreement or the Unit Operating Agreement shall be in accordance with Ohio law.

Submitted by:

GULFPORT APPALACHIA, LLC

By: _____

Jenae Allert
GULFPORT APPALACHIA, LLC
3001 Quail Springs Parkway
Oklahoma City, Oklahoma 73134
Tel. (405) 252-4772
E-mail: jallert@gulfportenergy.com

This instrument prepared by:

Jenae Allert (0097503)
GULFPORT APPALACHIA, LLC
3001 Quail Springs Parkway
Oklahoma City, Oklahoma 73134
Tel. (405) 252-4772
E-mail: jallert@gulfportenergy.com

A.A.P.L. FORM 610-1982

MODEL FORM OPERATING AGREEMENT

OPERATING AGREEMENT

DATED

July 13 , 2020 ,

year

OPERATOR Gulfport Appalachia, LLC

CONTRACT AREA Angelo Unit, as depicted in Exhibit "A"

COUNTY OR PARISH OF Jefferson STATE OF Ohio

COPYRIGHT 1982 – ALL RIGHTS RESERVED
AMERICAN ASSOCIATION OF PETROLEUM
LANDMEN, 4100 FOSSIL CREEK BLVD., FORT
WORTH, TEXAS, 76137-2791, APPROVED
FORM. A.A.P.L. NO. 610 – 1982 REVISED

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1 OPERATING AGREEMENT
2

3 THIS AGREEMENT, entered into by and between Gulfport Appalachia, LLC

4 _____, hereinafter designated and
5 referred to as "Operator", and the signatory party or parties other than Operator, sometimes hereinafter referred to individually herein
6 as "Non-Operator", and collectively as "Non-Operators".

7 **WITNESSETH:**
8

9 WHEREAS, the parties to this agreement are owners of oil and gas leases and/or oil and gas interests in the land identified in
10 Exhibit "A", and the parties hereto have reached an agreement to explore and develop these leases and/or oil and gas interests for the
11 production of oil and gas to the extent and as hereinafter provided,

12 NOW, THEREFORE, it is agreed as follows:

13 **ARTICLE I.**

14 **DEFINITIONS**

15 As used in this agreement, the following words and terms shall have the meanings here ascribed to them:

16 A. The term "oil and gas" shall mean oil, gas, casinghead gas, gas condensate, and all other liquid or gaseous hydrocarbons
17 and other marketable substances produced therewith, unless an intent to limit the inclusiveness of this term is specifically stated.

18 B. The terms "oil and gas lease", "lease" and "leasehold" shall mean the oil and gas leases covering tracts of land
19 lying within the Contract Area which are owned by the parties to this agreement.

20 C. The term "oil and gas interests" shall mean unleased fee and mineral interests in tracts of land lying within the
21 Contract Area which are owned by parties to this agreement.

22 D. The term "Contract Area" shall mean a ^{or "Unit"} of the lands, oil and gas leasehold interests and oil and gas interests intended to be
23 developed and operated for oil and gas purposes under this agreement. Such lands, oil and gas leasehold interests and oil and gas interests
24 are described in Exhibit "A" and **Exhibit "A-1."**

25 E. The term "drilling unit" shall mean the area fixed for the drilling of one well by order or rule of any state or
26 federal body having authority. If a drilling unit is not fixed by any such rule or order, a drilling unit shall be the drilling unit as established
27 by the pattern of drilling in the Contract Area or as fixed by express agreement of the Drilling Parties.

28 F. The term "drillsite" shall mean the oil and gas lease or interest on which a proposed well is to be located.

29 G. The terms "Drilling Party" and "Consenting Party" shall mean a party who agrees to join in and pay its share of the cost of
30 any operation conducted under the provisions of this agreement.

31 H. The terms "Non-Drilling Party" and "Non-Consenting Party" shall mean a party who elects not to participate
32 in a proposed operation.

33 I. The term "lateral" shall mean that portion of the well bore that deviates from approximate vertical orientation to
34 approximate horizontal orientation and all well bore beyond such deviation to total depth.

35 J. The term "horizontal well" shall mean a well drilled, completed or recompleted in a manner in which the horizontal
36 component of the completion interval in the objective formation(s) exceeds the vertical component thereof and which horizontal
37 component exceeds a minimum of one hundred feet (100') in the objective formation(s).

38 K. The term "multi-lateral well" shall mean a well which contains more than one lateral and in which the well bores deviate
39 from approximate vertical orientation to approximate horizontal orientation in order to drill within and test a specific geological
40 interval, utilizing deviation equipment, services, and technology. This shall include similar operations conducted in the reentry of an
41 existing well bore.

42 L. The term "total depth", applied to all multi-lateral or horizontal wells drilled pursuant to this agreement, shall mean the
43 distance from the surface of the ground to the terminus of the well bore. Each lateral taken together with the common vertical well
44 bore shall be considered a single well bore and shall have a corresponding total depth. When the proposed operation(s) is the drilling
45 of, or operations on, a well containing a lateral component, the term "depth" wherever used in the agreement shall be deemed to read
46 "total measured depth" insofar as it applies to such well.

47 M. The term "deepen" when used in conjunction with a multi-lateral or horizontal well shall mean an operation whereby a
48 lateral is drilled to a distance greater than the distance set out in the well proposal approved by the participating parties.

49 N. For the purposes of this agreement, as to a horizontal or multi-lateral well, the term "plug back" shall mean an operation to
50 test or complete the well at a stratigraphically shallower geological horizon in which the operation has been or is being completed
51 and which is not within an existing lateral.

52 Unless the context otherwise clearly indicates, words used in the singular include the plural, the plural includes the
53 singular, and the neuter gender includes the masculine and the feminine.

54 **ARTICLE II.**

55 **EXHIBITS**

56 The following exhibits, as indicated below and attached hereto, are incorporated in and made a part hereof:

57 A. Exhibit "A", shall include the following information:

58 (1) Identification of lands subject to this agreement,
59 (2) Restrictions, if any, as to depths, formations, or substances,
60 (3) Percentages or fractional interests of parties to this agreement,
61 (4) Oil and gas leases and/or oil and gas interests subject to this agreement,
62 (5) Addresses of parties for notice purposes.

63 B. Exhibit "B", Form of Lease.

64 C. Exhibit "C", Accounting Procedure.

65 D. Exhibit "D", Insurance.

66 E. Exhibit "E", Gas Balancing Agreement.

67 F. Exhibit "F", Non-Discrimination and Certification of Non-Segregated Facilities.

68 G. Exhibit "G", Tax Partnership. Notice of Operating Agreement and Financing Statement

69 70 If any provision of any exhibit, except Exhibits "E" and "G", is inconsistent with any provision contained in the body
of this agreement, the provisions in the body of this agreement shall prevail.

ARTICLE III. INTERESTS OF PARTIES

4 A. Oil and Gas Interests:

10 B. Interests of Parties in Costs and Production:

11 Unless changed by other provisions, all costs and liabilities incurred in operations under this agreement shall be borne and
12 paid, and all equipment and materials acquired in operations on the Contract Area shall be owned, by the parties as their interests are set
13 forth in Exhibit "A". In the same manner, the parties shall also own all production of oil and gas from the Contract Area subject to the
14 payment of royalties / to the extent of 12.5% which shall be borne as hereinafter set forth.

16
17 Regardless of which party has contributed the lease(s) and/or oil and gas interest(s) hereto on which royalty is due and
18 payable, each party entitled to receive a share of production of oil and gas from the Contract Area shall bear and shall pay or deliver, or
19 cause to be paid or delivered, to the extent of its interest in such production, the royalty amount stipulated hereinabove and shall hold the
20 other parties free from any liability therefor. No party shall ever be responsible, however, on a price basis higher than the price received
21 by such party, to any other party's lessor or royalty owner, and if any such other party's lessor or royalty owner should demand and
22 receive settlement on a higher price basis, the party contributing the affected lease shall bear the additional royalty burden attributable to
23 such higher price.

24 Nothing contained in this Article III.B. shall be deemed an assignment or cross-assignment of interests covered hereby.
25

26
27 C. Excess Royalties, Overriding Royalties and Other Payments:

28 Unless changed by other provisions, if the interest of any party in any lease covered hereby is subject to any royalty,
29 overriding royalty, production payment or other burden on production in excess of the amount stipulated in Article III.B., such party so
30 burdened shall assume and alone bear all such excess obligations and shall indemnify and hold the other parties hereto harmless from any
31 and all claims and demands for payment asserted by owners of such excess burden.
32

33 *Re-Solution of the Great Debate*

35 If any party should hereafter create an overriding royalty, production payment or other burden payable out of production
36 attributable to its working interest hereunder, or if such a burden existed prior to this agreement and is not set forth in Exhibit "A", or
37 was not disclosed in writing to all other parties prior to the execution of this agreement by all parties, or is not a jointly acknowledged and
38 or **does not appear of record in the records of the county in which the Contract Area is located as of the execution of this agreement**
39 accepted obligation of all parties / (any such interest being hereinafter referred to as "subsequently created interest" irrespective of the
40 timing of its creation and the party out of whose working interest the subsequently created interest is derived being hereinafter referred
41 to as "burdened party"), and:

42 1. If the burdened party is required under this agreement to assign or relinquish to any other party, or parties, all or a portion
43 of its working interest and/or the production attributable thereto, said other party, or parties, shall receive said assignment and/or
44 production free and clear of said subsequently created interest and the burdened party shall indemnify and save said other party,
45 or parties, harmless from any and all claims and demands for payment asserted by owners of the subsequently created interest;
46 and,
47
48 2. If the burdened party fails to pay, when due, its share of expenses chargeable hereunder, all provisions of Article VII.B. shall be
49 enforceable against the subsequently created interest in the same manner as they are enforceable against the working interest of
50 the burdened party.

ARTICLE IV. TITLES

56 A. Title Examination:

57 Title examination shall be made on the drillsite of any proposed well prior to commencement of drilling operations or, if
58 the Drilling Parties so request, title examination shall be made on the leases and/or oil and gas interests included, or planned to be includ-
59 ed, in the drilling unit / ~~and through which will be drilled~~ such well /. The opinion will include the ownership of the working interest, minerals, overriding
60 royalty and production payments under the applicable leases. At the time a well is proposed, each party contributing leases and/or oil and
61 gas interests to the drillsite, or to be included in such drilling unit, shall furnish to Operator all abstracts (including federal lease status
62 reports), title opinions, title papers and curative material in its possession free of charge. All such information not in the possession of or
63 made available to Operator by the parties, but necessary for the examination of the title, shall be obtained by Operator. Operator shall
64 cause title to be examined by attorneys on its staff or by outside attorneys. Copies of all title opinions shall be furnished to each party
65 hereto. The cost incurred by Operator in this title program shall be borne as follows:

67 Option No. 1: Costs incurred by Operator in procuring abstracts and title examination (including preliminary, supplemental,
68 shut in gas royalty opinions and division order title opinions) shall be a part of the administrative overhead as provided in Exhibit "C",
69 and shall not be a direct charge, whether performed by Operator's staff attorneys or by outside attorneys.

ARTICLE IV
continued

1 Option No. 2: Costs incurred by Operator in procuring abstracts and ~~fees paid outside attorneys~~ for title examination
 2 (including preliminary, supplemental, shut-in gas royalty opinions and division order title opinions) shall be borne by the Drilling Parties
 3 in the proportion that the interest of each Drilling Party bears to the total interest of all Drilling Parties as such interests appear in Ex-
 4 hibit "A". ~~Operator shall make no charge for /~~ All services rendered by its staff attorneys or other personnel in the performance of the above
 5 functions. ~~shall be billed at rates that are not greater than those charged by independent third parties providing such services.~~

6 **Also see Article XV.D.3.**

7 Each party shall be responsible for securing curative matter and pooling amendments or agreements required in connection
 8 with leases or oil and gas interests contributed by such party. Operator shall be responsible for the preparation and recording of pooling
 9 designations or declarations as well as the conduct of hearings before governmental agencies for the securing of spacing or pooling orders.
 10 This shall not prevent any party from appearing on its own behalf at any such hearing. **Costs incurred by Operator in procuring spacing**
 11 **and pooling orders including fees paid to outside attorneys shall be borne by the Drilling Parties. Also see Article XV.D.1.**

12 No well shall be drilled on the Contract Area until after (1) the title to the drillsite or drilling unit has been examined as above
 13 provided, and (2) the title has been approved by the examining attorney or title has been accepted by all of the parties who are to par-
 14 ticipate in the drilling of the well.

15

16 **B. Loss of Title:**

17

18 1. Failure of Title: Should any oil and gas interest or lease, or interest therein, be lost through failure of title, which loss results in a
 19 reduction of interest from that shown on Exhibit "A", the party contributing the affected lease or interest shall have ninety (90) days
 20 from final determination of title failure to acquire a new lease or other instrument curing the entirety of the title failure, which acquisi-
 21 tion will not be subject to Article VIII.B., and failing to do so, this agreement, nevertheless, shall continue in force as to all remaining oil
 22 and gas leases and interests: and,

23 (a) The party whose oil and gas lease or interest is affected by the title failure shall bear alone the entire loss and it shall not be
 24 entitled to recover from Operator or the other parties any development or operating costs which it may have theretofore paid or incurred,
 25 but there shall be no additional liability on its part to the other parties hereto by reason of such title failure;

26 (b) There shall be no retroactive adjustment of expenses incurred or revenues received from the operation of the interest which has
 27 been lost, but the interests of the parties shall be revised on an acreage basis, as of the time it is determined finally that title failure has oc-
 28 curred, so that the interest of the party whose lease or interest is affected by the title failure will thereafter be reduced in the Contract
 29 Area by the amount of the interest lost;

30 (c) If the proportionate interest of the other parties hereto in any producing well theretofore drilled on the Contract Area is
 31 increased by reason of the title failure, the party whose title has failed shall receive the proceeds attributable to the increase in such in-
 32 terest (less costs and burdens attributable thereto) until it has been reimbursed for unrecovered costs paid by it in connection with such
 33 well;

34 (d) Should any person not a party to this agreement, who is determined to be the owner of any interest in the title which has
 35 failed, pay in any manner any part of the cost of operation, development, or equipment, such amount shall be paid to the party or parties
 36 who bore the costs which are so refunded;

37 (e) Any liability to account to a third party for prior production of oil and gas which arises by reason of title failure shall be
 38 borne by the party or parties whose title failed in the same proportions in which they shared in such prior production; and,

39 (f) No charge shall be made to the joint account for legal expenses, fees or salaries, in connection with the defense of the interest
 40 claimed by any party hereto, it being the intention of the parties hereto that each shall defend title to its interest and bear all expenses in
 41 connection therewith.

42

43 2. Loss by Non Payment or Erroneous Payment of Amount Due: If, through mistake or oversight, any rental, shut in well
 44 payment, minimum royalty or royalty payment, is not paid or is erroneously paid, and as a result a lease or interest therein terminates,
 45 there shall be no monetary liability against the party who failed to make such payment. Unless the party who failed to make the required
 46 payment secures a new lease covering the same interest within ninety (90) days from the discovery of the failure to make proper payment,
 47 which acquisition will not be subject to Article VIII.B., the interests of the parties shall be revised on an acreage basis, effective as of the
 48 date of termination of the lease involved, and the party who failed to make proper payment will no longer be credited with an interest in
 49 the Contract Area on account of ownership of the lease or interest which has terminated. In the event the party who failed to make the
 50 required payment shall not have been fully reimbursed, at the time of the loss, from the proceeds of the sale of oil and gas attributable to
 51 the lost interest, calculated on an acreage basis, for the development and operating costs theretofore paid on account of such interest, it
 52 shall be reimbursed for unrecovered actual costs theretofore paid by it (but not for its share of the cost of any dry hole previously drilled
 53 or wells previously abandoned) from so much of the following as is necessary to effect reimbursement:

54 (a) Proceeds of oil and gas, less operating expenses, theretofore accrued to the credit of the lost interest, on an acreage basis,
 55 up to the amount of unrecovered costs;

56 (b) Proceeds, less operating expenses, thereafter accrued attributable to the lost interest on an acreage basis, of that portion of
 57 oil and gas thereafter produced and marketed (excluding production from any wells thereafter drilled) which, in the absence of such lease
 58 termination, would be attributable to the lost interest on an acreage basis, up to the amount of unrecovered costs, the proceeds of said
 59 portion of the oil and gas to be contributed by the other parties in proportion to their respective interest; and,

60 (c) Any monies, up to the amount of unrecovered costs, that may be paid by any party who is, or becomes, the owner of the interest
 61 lost, for the privilege of participating in the Contract Area or becoming a party to this agreement.

62

63 3. Other Losses: All losses incurred, other than those set forth in Articles IV.B.1. and ~~IV.B.2.~~ above, shall be joint losses
 64 and shall be borne by all parties in proportion to their interests. There shall be no readjustment of interests in the remaining portion of
 65 the Contract Area.

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**ARTICLE V.
OPERATOR**

4 **A. Designation and Responsibilities of Operator:**

5

6 **Gulfport Appalachia, LLC**

7 Operator of the Contract Area, and shall conduct and direct and have full control of all operations on the Contract Area as permitted and
8 required by, and within the limits of this agreement. It shall conduct all such operations in a good and workmanlike manner, but it shall
9 have no liability as Operator to the other parties for losses sustained or liabilities incurred, except such as may result from gross
10 negligence or willful misconduct.

11

12 **B. Resignation or Removal of Operator and Selection of Successor:**

13

14 1. Resignation or Removal of Operator: Operator may resign at any time by giving written notice thereof to Non-Operators.
15 If Operator terminates its legal existence, no longer owns an interest hereunder in the Contract Area, or is no longer capable of serving as
16 Operator, Operator shall be deemed to have resigned without any action by Non-Operators, except the selection of a successor. Operator
17 may be removed if it fails or refuses to carry out its duties hereunder, or becomes insolvent, bankrupt or is placed in receivership, by the
18 affirmative vote of two (2) or more Non-Operators owning a majority interest based on ownership as shown on Exhibit "A" remaining
19 after excluding the voting interest of Operator. Such resignation or removal shall not become effective until 7:00 o'clock A.M. on the
20 first day of the calendar month following the expiration of ninety (90) days after the giving of notice of resignation by Operator or action
21 by the Non-Operators to remove Operator, unless a successor Operator has been selected and assumes the duties of Operator at an earlier
22 date. Operator, after effective date of resignation or removal, shall be bound by the terms hereof as a Non-Operator. A change of a cor-
23 porate name or structure of Operator or transfer of Operator's interest to any single subsidiary, parent or successor corporation shall not
24 be the basis for removal of Operator.

25

26 2. Selection of Successor Operator: Upon the resignation or removal of Operator, a successor Operator shall be selected by
27 the parties. The successor Operator shall be selected from the parties owning an interest in the Contract Area at the time such successor
28 Operator is selected. The successor Operator shall be selected by the affirmative vote of two (2) or more parties owning a majority interest
29 based on ownership as shown on Exhibit "A"; provided, however, if an Operator which has been removed fails to vote or votes only to
30 succeed itself, the successor Operator shall be selected by the affirmative vote of two (2) or more parties owning a majority interest based
31 on ownership as shown on Exhibit "A" remaining after excluding the voting interest of the Operator that was removed.

32

33 **C. Employees:**

34

35 The number of employees used by Operator in conducting operations hereunder, their selection, and the hours of labor and the
36 compensation for services performed shall be determined by Operator, and all such employees shall be the employees of Operator.

37

38 **D. Drilling Contracts:**

39

40 All wells drilled on the Contract Area shall be drilled on a competitive contract basis at the usual rates prevailing in the area. If it so
41 desires, Operator may employ its own tools and equipment in the drilling of wells, but its charges therefor shall not exceed the prevailing
42 rates in the area ~~and the rate of such charges shall be agreed upon by the parties in writing before drilling operations are commenced~~, and
43 such work shall be performed by Operator under the same terms and conditions as are customary and usual in the area in contracts of in-
44 dependent contractors who are doing work of a similar nature.

45

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50 **ARTICLE VI.
DRILLING AND DEVELOPMENT**

51

52 **A. Initial Well:**

53

54 On or before the 6th day of February, 2022, Operator shall commence the drilling of a well for
55 oil and gas at the following location:

56 Operator anticipates the drilling of the initial well within one (1) year off the effective date of unitization order issued by division.
57

58 and shall thereafter continue the drilling of the well with due diligence to
59

60

61

62 unless granite or other practically impenetrable substance or condition in the hole, which renders further drilling impractical, is en-
63 countered at a lesser depth, or unless all parties agree to complete or abandon the well at a lesser depth.
64

65 Operator shall make reasonable tests of all formations encountered during drilling which give indication of containing oil and
66 gas in quantities sufficient to test, unless this agreement shall be limited in its application to a specific formation or formations, in which
67 event Operator shall be required to test only the formation or formations to which this agreement may apply.
68

69

70

ARTICLE VI
continued

1 If, in Operator's judgment, the well will not produce oil or gas in paying quantities, and it wishes to plug and abandon the
2 well as a dry hole, the provisions of Article VI.E.1. shall thereafter apply.

3 **The Operator may propose the drilling of an Initial Well. Each Initial Well proposal shall be in writing and shall contain, at a**
4 **minimum, the following:** (i) the proposed location of the Initial Well, including the proposed surface and bottom hole location; (ii)
5 the AFE setting forth the estimated cost to drill and complete the Initial Well; (iii) the proposed total depth and the drilling
6 program/prognosis for same if available; (iv) the configuration of the proposed Contract Area (as hereinafter defined) for such
7 Initial Well; and an executed JOA for the Initial Well being proposed covering the Contract Area for said well. A Party receiving an
8 Initial Well proposal shall have a response period of thirty (30) days after receipt of the proposal within which to notify the Operator
9 whether they elect to participate in the cost of the Initial Well. A party failing to respond to an Initial Well proposal made pursuant
10 to this provision within the thirty (30) day response period shall be deemed a Non-Consenting Party and shall be subject to the
11 following:

12 In the event a Party elects not to participate (a Non-Consenting Party) in the Initial Well proposed in the Contract Area
13 pursuant to Article VI.A., upon the timely commencement of actual drilling operations on such Well, such Non-Consenting Party
14 shall be deemed to have relinquished to the Consenting Parties, and the Consenting Parties shall own and be entitled to receive, in
15 proportion to their respective interests, all of such Non-Consenting Party's interest in the well and share of production therefrom
16 until the proceeds of the sale of such share, calculated at the well, or market value thereof if such share is not sold, (after deducting
17 production taxes, excise taxes, royalty, overriding royalty and other interests not excepted by Article III.D. payable out of or
18 measured by the production from such well accruing with respect to such interest until it reverts) shall equal the total of the
19 following: (a) 300% of such Non-Consenting Party's share of the cost of any newly acquired surface equipment beyond the wellhead
20 connections (including, but not limited to, stock tanks, separators, treaters, pumping equipment and piping), plus 300% of such Non-
21 Consenting Party's share of the cost of operation of the well commencing with first production and continuing until such Non-
22 Consenting Party's relinquished interest shall revert to it under other provisions of this Article, it being agreed that such Non-
23 Consenting Party's share of such costs and equipment will be that interest which would have been chargeable to such Non-
24 Consenting Party had it participated in the well from the beginning of the operations; and (b) 300% of that portion of the costs and
25 expenses of drilling, testing and completing, after deducting any cash contributions received under Article VIII.C., and 300% of that
26 portion of the cost of newly acquired equipment in the well (to and including wellhead connections), which would have been
27 chargeable to such Non-Consenting Party if it had participated therein.

28

29 **B. Subsequent Operations:**

30 1. Proposed Operations: Should any party hereto desire to drill any well on the Contract Area other than the well provided
31 for in Article VI.A., or to rework, deepen or plug back a dry hole drilled at the joint expense of all parties or a well jointly owned by all
32 the parties and not then producing in paying quantities, the party desiring to drill, rework, deepen or plug back such a well shall give the
33 other parties written notice of the proposed operation, specifying the work to be performed, the location, proposed depth, objective forma-
34 tion and the estimated cost of the operation. The parties receiving such a notice shall have thirty (30) days after receipt of the notice
35 within which to notify the party wishing to do the work whether they elect to participate in the cost of the proposed operation. If a drill-
36 ing rig is on location, notice of a proposal to rework, plug back or drill deeper may be given by telephone and the response period shall be
37 limited to forty-eight (48) hours, exclusive of Saturday, Sunday, and legal holidays. Failure of a party receiving such notice to reply within
38 the period above fixed shall constitute an election by that party not to participate in the cost of the proposed operation. Any notice or
39 response given by telephone shall be promptly confirmed in writing.

40

41 If all parties elect to participate in such a proposed operation, Operator shall, within ~~ninety (90)~~ / days after expiration of the notice
42 period of thirty (30) days (or as promptly as possible after the expiration of the forty-eight (48) hour period when a drilling rig is on loca-
43 tion, as the case may be), actually commence the proposed operation and complete it with due diligence at the risk and expense of all par-
44 ties hereto; provided, however, said commencement date may be extended upon written notice of same by Operator to the other parties,
45 for a period of up to thirty (30) additional days if, in the sole opinion of Operator, such additional time is reasonably necessary to obtain
46 permits from governmental authorities, surface rights (including rights-of-way) or appropriate drilling equipment, or to complete title ex-
47 amination or curative matter required for title approval or acceptance. Notwithstanding the force majeure provisions of Article XI, if the
48 actual operation has not been commenced within the time provided (including any extension thereof as specifically permitted herein) and
49 if any party hereto still desires to conduct said operation, written notice proposing same must be resubmitted to the other parties in accor-
50 dance with the provisions hereof as if no prior proposal had been made.

51

52 **Nothing contained herein shall prohibit Operator or the participating parties from actually commencing the proposed operation**
53 **before the expiration of the notice period nor shall the timing of such commencement affect in any way the validity of a party's**
54 **election or deemed election.**

55

56 2. Operations by Less than All Parties: If any party receiving such notice as provided in Article VI.B.1. or VII.D.1. (Option
57 No. 2) elects not to participate in the proposed operation, then, in order to be entitled to the benefits of this Article, the party or parties
58 giving the notice and such other parties as shall elect to participate in the operation shall, within / ~~ninety (90)~~ **one hundred twenty (120)** days after the expiration of
59 the notice period of thirty (30) days (or as promptly as possible after the expiration of the forty-eight (48) hour period when a drilling rig is
60 on location, as the case may be) actually commence the proposed operation and complete it with due diligence. Operator shall perform all
61 work for the account of the Consenting Parties; provided, however, if no drilling rig or other equipment is on location, and if Operator is
62 a Non-Consenting Party, the Consenting Parties shall either: (a) request Operator to perform the work required by such proposed opera-
63 tion for the account of the Consenting Parties, or (b) designate one (1) of the Consenting Parties as Operator to perform such work. Con-
64 senting Parties, when conducting operations on the Contract Area pursuant to this Article VI.B.2., shall comply with all terms and con-
65 ditions of this agreement.

66

67 If less than all parties approve any proposed operation, the proposing party, immediately after the expiration of the applicable
68 notice period, shall advise the Consenting Parties of the total interest of the parties approving such operation and its recommendation as
69 to whether the Consenting Parties should proceed with the operation as proposed. Each Consenting Party, within forty-eight (48) hours

70

ARTICLE VI
continued

1 (exclusive of Saturday, Sunday and legal holidays) after receipt of such notice, shall advise the proposing party of its desire to (a) limit par-
2 ticipation to such party's interest as shown on Exhibit "A" or (b) carry its proportionate part of Non-Consenting Parties' interests, and
3 failure to advise the proposing party shall be deemed an election under (a). In the event a drilling rig is on location, the time permitted for
4 such a response shall not exceed a total of forty-eight (48) hours (inclusive of Saturday, Sunday and legal holidays). The proposing party,
5 at its election, may withdraw such proposal if there is insufficient participation and shall promptly notify all parties of such decision.

6

7

8

9 The entire cost and risk of conducting such operations shall be borne by the Consenting Parties in the proportions they have
10 elected to bear same under the terms of the preceding paragraph.* Consenting Parties shall keep the leasehold estates involved in such
11 operations free and clear of all liens and encumbrances of every kind created by or arising from the operations of the Consenting Parties.
12 If such an operation results in a dry hole, the Consenting Parties shall plug and abandon the well and restore the surface location at their
13 sole cost, risk and expense. If any well drilled, reworked, deepened or plugged back under the provisions of this Article results in a pro-
14 ducer of oil and/or gas in paying quantities, the Consenting Parties shall complete and equip the well to produce at their sole cost and risk,
15 ***The Consenting Parties shall bear proportionately the well costs attributed to any unleased or uncommitted owners in the Contract**
16 **Area.**

17 and the well shall then be turned over to Operator and shall be operated by it at the expense and for the account of the Consenting Par-
18 ties. Upon commencement of operations for the drilling, reworking, deepening or plugging back of any such well by Consenting Parties
19 in accordance with the provisions of this Article, each Non-Consenting Party shall be deemed to have relinquished to Consenting Parties,
20 and the Consenting Parties shall own and be entitled to receive, in proportion to their respective interests, all of such Non-Consenting
21 Party's interest in the well and share of production therefrom until the proceeds of the sale of such share, calculated at the well, or
22 market value thereof if such share is not sold, (after deducting production taxes, excise taxes, royalty, overriding royalty and other in-
23 terests not excepted by Article III.D. payable out of or measured by the production from such well accruing with respect to such interest
24 until it reverts) shall equal the total of the following:

25

26

27

28 (a) 200% of each such Non-Consenting Party's share of the cost of any newly acquired surface equipment beyond the wellhead ~~200% connections~~
29 (including, but not limited to, stock tanks, separators, treaters, pumping equipment and piping), plus 1/400% of each such
30 Non-Consenting Party's share of the cost of operation of the well commencing with first production and continuing until each such Non-
31 Consenting Party's relinquished interest shall revert to it under other provisions of this Article, it being agreed that each Non-
32 Consenting Party's share of such costs and equipment will be that interest which would have been chargeable to such Non-Consenting
33 Party had it participated in the well from the beginning of the operations; and

34

35

36

37 (b) 200 % of that portion of the costs and expenses of drilling, reworking, deepening, plugging back, testing and completing,
38 after deducting any cash contributions received under Article VIII.C., and 200 % of that portion of the cost of newly acquired equip-
39 ment in the well (to and including the wellhead connections), which would have been chargeable to such Non-Consenting Party if it had
40 participated therein.

41

42

43

44 An election not to participate in the drilling or the deepening of a well shall be deemed an election not to participate in any re-
45 working or plugging back operation proposed in such a well, or portion thereof, to which the initial Non-Consent election applied that is
46 conducted at any time prior to full recovery by the Consenting Parties of the Non-Consenting Party's recoupment account. Any such
47 reworking or plugging back operation conducted during the recoupment period shall be deemed part of the cost of operation of said well
48 and there shall be added to the sums to be recouped by the Consenting Parties ~~two~~ ^{200%} hundred percent (~~400%~~) of that portion of the costs of
49 the reworking or plugging back operation which would have been chargeable to such Non-Consenting Party had it participated therein. If
50 such a reworking or plugging back operation is proposed during such recoupment period, the provisions of this Article VI.B. shall be ap-
51 plicable as between said Consenting Parties in said well.

52

53

54

55 During the period of time Consenting Parties are entitled to receive Non-Consenting Party's share of production, or the
56 proceeds therefrom, Consenting Parties shall be responsible for the payment of all production, severance, excise, gathering and other
57 taxes, and all royalty, overriding royalty and other burdens applicable to Non-Consenting Party's share of production not excepted by Ar-
58 ticle III.D.

59

60

61

62 In the case of any reworking, plugging back or deeper drilling operation, the Consenting Parties shall be permitted to use, free
63 of cost, all casing, tubing and other equipment in the well, but the ownership of all such equipment shall remain unchanged; and upon
64 abandonment of a well after such reworking, plugging back or deeper drilling, the Consenting Parties shall account for all such equip-
65 ment to the owners thereof, with each party receiving its proportionate part in kind or in value, less cost of salvage.

66

67 Within sixty (60) days after the completion of any operation under this Article, the party conducting the operations for the
68 Consenting Parties shall furnish each Non-Consenting Party with an inventory of the equipment in and connected to the well, and an
69 itemized statement of the cost of drilling, deepening, plugging back, testing, completing, and equipping the well for production; or, at its
70

ARTICLE VI
continued

1 option, the operating party, in lieu of an itemized statement of such costs of operation, may submit a detailed statement of monthly bill-
2 ings. Each month thereafter, during the time the Consenting Parties are being reimbursed as provided above, the party conducting the
3 operations for the Consenting Parties shall furnish the Non-Consenting Parties with an itemized statement of all costs and liabilities in-
4 curred in the operation of the well, together with a statement of the quantity of oil and gas produced from it and the amount of proceeds
5 realized from the sale of the well's working interest production during the preceding month. In determining the quantity of oil and gas
6 produced during any month, Consenting Parties shall use industry accepted methods such as, but not limited to, metering or periodic
7 well tests. Any amount realized from the sale or other disposition of equipment newly acquired in connection with any such operation
8 which would have been owned by a Non-Consenting Party had it participated therein shall be credited against the total unreturned costs
9 of the work done and of the equipment purchased in determining when the interest of such Non-Consenting Party shall revert to it as
10 above provided; and if there is a credit balance, it shall be paid to such Non-Consenting Party.

11

12 If and when the Consenting Parties recover from a Non-Consenting Party's relinquished interest the amounts provided for above,
13 the relinquished interests of such Non-Consenting Party shall automatically revert to it /, and, from and after such reversion, such Non-
14 Consenting Party shall own the same interest in such well, the material and equipment in or pertaining thereto, and the production
15 therefrom as such Non-Consenting Party would have been entitled to had it participated in the drilling, reworking, deepening or plugging
16 back of said well. Thereafter, such Non-Consenting Party shall be charged with and shall pay its proportionate part of the further costs of
17 the operation of said well in accordance with the terms of this agreement and the Accounting Procedure attached hereto.

18

19

20

21 Notwithstanding the provisions of this Article VI.B.2., it is agreed that without the mutual consent of all parties, no wells shall
22 be completed in or produced from a source of supply from which a well located elsewhere on the Contract Area is producing, unless such
23 well conforms to the then-existing well spacing pattern for such source of supply.

24

25

26

27 The provisions of this Article shall have no application whatsoever to the drilling of the initial well described in Article VI.A.
28 except (a) as to Article VII.D.1. (Option No. 2), if selected, or (b) as to the reworking, deepening and plugging back of such initial well
29 after it has been drilled to the depth specified in Article VI.A. if it shall thereafter prove to be a dry hole or, if initially completed for pro-
30 duction, ceases to produce in paying quantities.

31

32

33

34 3. Stand-By Time: When a well which has been drilled or deepened has reached its authorized depth and all tests have been
35 completed, and the results thereof furnished to the parties, stand-by costs incurred pending response to a party's notice proposing a
36 reworking, deepening, plugging back or completing operation in such a well shall be charged and borne as part of the drilling or deepen-
37 ing operation just completed. Stand-by costs subsequent to all parties responding, or expiration of the response time permitted, whichever
38 first occurs, and prior to agreement as to the participating interests of all Consenting Parties pursuant to the terms of the second gram-
39 matical paragraph of Article VI.B.2., shall be charged to and borne as part of the proposed operation, but if the proposal is subsequently
40 withdrawn because of insufficient participation, such stand-by costs shall be allocated between the Consenting Parties in the proportion
41 each Consenting Party's interest as shown on Exhibit "A" bears to the total interest as shown on Exhibit "A" of all Consenting Par-
42 ties.

43

44

45

46 4. Sidetracking: Except as hereinafter provided, those provisions of this agreement applicable to a "deepening" operation shall
47 also be applicable to any proposal to directionally control and intentionally deviate a well from vertical so as to change the bottom hole
48 location (herein call "sidetracking"), unless done to straighten the hole or to drill around junk in the hole or because of other
49 mechanical difficulties. Any party having the right to participate in a proposed sidetracking operation that does not own an interest in the
50 affected well bore at the time of the notice shall, upon electing to participate, tender to the well bore owners its proportionate share (equal
51 to its interest in the sidetracking operation) of the value of that portion of the existing well bore to be utilized as follows:

52

53

54 (a) If the proposal is for sidetracking an existing dry hole, reimbursement shall be on the basis of the actual costs incurred in
55 the initial drilling of the well down to the depth at which the sidetracking operation is initiated.

56

57 (b) If the proposal is for sidetracking a well which has previously produced, reimbursement shall be on the basis of the well's
58 salvable materials and equipment down to the depth at which the sidetracking operation is initiated, determined in accordance with the
59 provisions of Exhibit "C", less the estimated cost of salvaging and the estimated cost of plugging and abandoning.

60

61 In the event that notice for a sidetracking operation is given while the drilling rig to be utilized is on location, the response period
62 shall be limited to forty-eight (48) hours, exclusive of Saturday, Sunday and legal holidays; provided, however, any party may request and
63 receive up to eight (8) additional days after expiration of the forty-eight (48) hours within which to respond by paying for all stand-by time
64 incurred during such extended response period. If more than one party elects to take such additional time to respond to the notice, stand
65 by costs shall be allocated between the parties taking additional time to respond on a day-to-day basis in the proportion each electing par-
66 ty's interest as shown on Exhibit "A" bears to the total interest as shown on Exhibit "A" of all the electing parties. In all other in-
67 stances the response period to a proposal for sidetracking shall be limited to thirty (30) days.

68 69 Also see Article XV.I.

70

ARTICLE VI
continued

1 C. TAKING PRODUCTION IN KIND:

2
3 Each party shall take in kind or separately dispose of its proportionate share of all oil and gas produced from the Contract Area,
4 exclusive of production which may be used in development and producing operations and in preparing and treating oil and gas for
5 marketing purposes and production unavoidably lost. Any extra expenditure incurred in the taking in kind or separate disposition by any
6 party of its proportionate share of the production shall be borne by such party. Any party taking its share of production in kind shall be
7 required to pay for only its proportionate share of such part of Operator's surface facilities which it uses.
8

9
10 Each party shall execute such division orders and contracts as may be necessary for the sale of its interest in production from
11 the Contract Area, and, except as provided in Article VII.B., shall be entitled to receive payment directly from the purchaser thereof for
12 its share of all production.
13

14 In the event any party shall fail to make the arrangements necessary to take in kind or separately dispose of its proportionate share of
15 the oil / ~~produced~~ ^{and/or gas} from the Contract Area, Operator shall have the right, subject to the revocation at will by the party owning it, but not
16 the obligation, to purchase such oil / ~~or~~ ^{and/or gas} sell it to others at any time and from time to time, for the account of the non-taking party at the
17 ~~received from the sale of~~ ^{best price / obtainable in the area for} such production. Any such purchase or sale by Operator shall be subject always to the right of the
18 owner of the production to exercise at any time its right to take in kind, or separately dispose of, its share of all oil / ~~not previously~~ ^{and/or gas}
19 delivered to a purchaser. Any purchase or sale by Operator of any other party's share of oil / shall be only for such reasonable periods of
20 time as are consistent with the minimum needs of the industry under the particular circumstances, but in no event for a period in excess
21 of one (1) year.
22

23 In the event one or more parties' separate disposition of its share of the gas causes split-stream deliveries to separate pipelines and/or
24 deliveries which on a day-to-day basis for any reason are not exactly equal to a party's respective proportionate share of total gas sales to
25 be allocated to it, the balancing or accounting between the respective accounts of the parties shall be in accordance with any gas balancing
26 agreement between the parties hereto, whether such an agreement is attached as Exhibit "E", or is a separate agreement.
27

28 D. Access to Contract Area and Information:

29 Each party shall have access to the Contract Area at all reasonable times, at its sole cost and risk to inspect or observe operations,
30 and shall have access at reasonable times to information pertaining to the development or operation thereof, including Operator's books
31 and records relating thereto. Operator, upon request, shall furnish each of the other parties with copies of all forms or reports filed with
32 governmental agencies, daily drilling reports, well logs, / ~~and tank tables, daily gauge and run tickets and reports of stock on hand at the first of~~
33 each month, and shall make available samples of any cores or cuttings taken from any well drilled on the Contract Area. The cost of
34 gathering and furnishing information to Non-Operator, other than that specified above, shall be charged to the Non-Operator that re-
35 quested the Information. **Non-consenting parties shall be denied access to the well location and well information during the non-consent**
36 **period.**
37

38 E. Abandonment of Wells:

39 1. Abandonment of Dry Holes: Except for any well drilled or deepened pursuant to Article VI.B.2., any well which has been
40 drilled or deepened under the terms of this agreement and is proposed to be completed as a dry hole shall not be plugged and abandoned
41 without the consent of all parties. Should Operator, after diligent effort, be unable to contact any party, or should any party fail to reply
42 within forty-eight (48) hours (exclusive of Saturday, Sunday and legal holidays) after receipt of notice of the proposal to plug and abandon
43 such well, such party shall be deemed to have consented to the proposed abandonment. All such wells shall be plugged and abandoned in
44 accordance with applicable regulations and at the cost, risk and expense of the parties who participated in the cost of drilling or deepening
45 such well. Any party who objects to plugging and abandoning such well shall have the right to take over the well and conduct further
46 operations in search of oil and/or gas subject to the provisions of Article VI.B.
47

48 2. Abandonment of Wells that have Produced: Except for any well in which a Non-Consent operation has been conducted
49 hereunder for which the Consenting Parties have not been fully reimbursed as herein provided, any well which has been completed as a
50 producer shall not be plugged and abandoned without the consent of all parties ⁷. If all parties consent to such abandonment, the well shall
51 be plugged and abandoned in accordance with applicable regulations and at the cost, risk and expense of all the parties hereto. If, within
52 thirty (30) days after receipt of notice of the proposed abandonment of any well, all parties do not agree to the abandonment of such well,
53 those wishing to continue its operation from the interval(s) of the formation(s) then open to production shall tender to each of the other
54 parties its proportionate share of the value of the well's salvable material and equipment, determined in accordance with the provisions of
55 **Failure of a party to make written election within thirty (30) days will be deemed to be a consent to the abandonment of the well.**
56 Exhibit "C", less the estimated cost of salvaging and the estimated cost of plugging and abandoning. / Each abandoning party shall assign
57 the non-abandoning parties, without warranty, express or implied, as to title or as to quantity, or fitness for use of the equipment and
58 material, all of its interest in the well and related equipment, together with its interest in the leasehold estate as to, but only as to, the in-
59 terval or intervals of the formation or formations then open to production. If the interest of the abandoning party is or includes an oil and
60 gas interest, such party shall execute and deliver to the non-abandoning party or parties an oil and gas lease, limited to the interval or in-
61 tervals of the formation or formations then open to production, for a term of one (1) year and so long thereafter as oil and/or gas is pro-
62 duced from the interval or intervals of the formation or formations covered thereby, such lease to be on the form attached as Exhibit
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ARTICLE VI
continued

1 "B". The assignments or leases so limited shall encompass the "drilling unit" upon which the well is located. The payments by, and the
2 assignments or leases to, the assignees shall be in a ratio based upon the relationship of their respective percentage of participation in the
3 Contract Area to the aggregate of the percentages of participation in the Contract Area of all assignees. There shall be no readjustment of
4 interests in the remaining portion of the Contract Area.

5

6 Thereafter, abandoning parties shall have no further responsibility, liability, or interest in the operation of or production from
7 the well in the interval or intervals then open other than the royalties retained in any lease made under the terms of this Article. ~~Upon re-~~
~~At the election of the Non-Operators,~~
8 ~~quest, /~~ Operator shall continue to operate the assigned well for the account of the non-abandoning parties at the rates and charges con-
9 templated by this agreement, plus any additional cost and charges which may arise as the result of the separate ownership of the assigned
10 well. Upon proposed abandonment of the producing interval(s) assigned or leased, the assignor or lessor shall then have the option to
11 repurchase its prior interest in the well (using the same valuation formula) and participate in further operations therein subject to the pro-
12 visions hereof.

13

14 3. Abandonment of Non-Consent Operations: The provisions of Article VI.E.1. or VI.E.2 above shall be applicable as between
15 Consenting Parties in the event of the proposed abandonment of any well excepted from said Articles; provided, however, no well shall be
16 permanently plugged and abandoned unless and until all parties having the right to conduct further operations therein have been notified
17 of the proposed abandonment and afforded the opportunity to elect to take over the well in accordance with the provisions of this Article
18 VI.E.

19

20

ARTICLE VII.
EXPENDITURES AND LIABILITY OF PARTIES

22

23 **A. Liability of Parties:**

24

25 The liability of the parties shall be several, not joint or collective. Each party shall be responsible only for its obligations, and
26 shall be liable only for its proportionate share of the costs of developing and operating the Contract Area. Accordingly, the liens granted
27 among the parties in Article VII.B. are given to secure only the debts of each severally. It is not the intention of the parties to create, nor
28 shall this agreement be construed as creating, a mining or other partnership or association, or to render the parties liable as partners.

29

30 **B. Liens and Payment Defaults:**

31

32 Each Non-Operator grants to Operator a lien upon its oil and gas rights in the Contract Area, and a security interest in its share
33 of oil and/or gas when extracted and its interest in all equipment, to secure payment of its share of expense, together with interest thereon
34 at the rate provided in Exhibit "C". To the extent that Operator has a security interest under the Uniform Commercial Code of the
35 state, Operator shall be entitled to exercise the rights and remedies of a secured party under the Code. The bringing of a suit and the ob-
36 taining of judgment by Operator for the secured indebtedness shall not be deemed an election of remedies or otherwise affect the lien
37 rights or security interest as security for the payment thereof. In addition, upon default by any Non-Operator in the payment of its share
38 of expense, Operator shall have the right, without prejudice to other rights or remedies, to collect from the purchaser the proceeds from
39 the sale of such Non-Operator's share of oil and/or gas until the amount owed by such Non-Operator, plus interest, has been paid. Each
40 purchaser shall be entitled to rely upon Operator's written statement concerning the amount of any default. Operator grants a like lien
41 and security interest to the Non-Operators to secure payment of Operator's proportionate share of expense.

42

43 If any party fails or is unable to pay its share of expense within sixty (60) days after rendition of a statement therefor by
44 Operator, the non-defaulting parties, including Operator, shall, upon request by Operator, pay the unpaid amount in the proportion that
45 the interest of each such party bears to the interest of all such parties. Each party so paying its share of the unpaid amount shall, to obtain
46 reimbursement thereof, be subrogated to the security rights described in the foregoing paragraph.

47

48 **C. Payments and Accounting:**

49

50 Except as herein otherwise specifically provided, Operator shall promptly pay and discharge expenses incurred in the development
51 and operation of the Contract Area pursuant to this agreement and shall charge each of the parties hereto with their respective propor-
52 tionate shares upon the expense basis provided in Exhibit "C". Operator shall keep an accurate record of the joint account hereunder,
53 showing expenses incurred and charges and credits made and received.

54

55 Operator, at its election, shall have the right from time to time to demand and receive from the other parties payment in advance
56 of their respective shares of the estimated amount of the expense to be incurred in operations hereunder during the next succeeding
57 month, which right may be exercised only by submission to each such party of an itemized statement of such estimated expense, together
58 with an invoice for its share thereof. Each such statement and invoice for the payment in advance of estimated expense shall be submitted
59 on or before the 20th day of the next preceding month. Each party shall pay to Operator its proportionate share of such estimate within
60 fifteen (15) days after such estimate and invoice is received. If any party fails to pay its share of said estimate within said time, the amount
61 due shall bear interest as provided in Exhibit "C" until paid. Proper adjustment shall be made monthly between advances and actual ex-
62 pense to the end that each party shall bear and pay its proportionate share of actual expenses incurred, and no more.

63

64 **D. Limitation of Expenditures:**

65

66 1. Drill or Deepen: Without the consent of all parties, no well shall be drilled or deepened, except any well drilled or deepened
67 pursuant to the provisions of Article VI.B.2. of this agreement. Consent to the drilling or deepening shall include:

68

69

70

ARTICLE VII
continued

1 Option No. 1: All necessary expenditures for the drilling or deepening, testing, completing and equipping of the well, including
2 necessary tankage and/or surface facilities.

3 See Article XV.G.

4 Option No. 2: All necessary expenditures for the drilling or deepening and testing of the well. When such well has reached its
5 authorized depth, and all tests have been completed, and the results thereof furnished to the parties, Operator shall give immediate notice
6 to the Non-Operators who have the right to participate in the completion costs. The parties receiving such notice shall have forty-eight
7 (48) hours (exclusive of Saturday, Sunday and legal holidays) in which to elect to participate in the setting of casing and the completion at-
8 tempt. Such election, when made, shall include consent to all necessary expenditures for the completing and equipping of such well, in-
9 cluding necessary tankage and/or surface facilities. Failure of any party receiving such notice to reply within the period above fixed shall
10 constitute an election by that party not to participate in the cost of the completion attempt. If one or more, but less than all of the parties,
11 elect to set pipe and to attempt a completion, the provisions of Article VI.B.2. hereof (the phrase "reworking, deepening or plugging
12 back" as contained in Article VI.B.2. shall be deemed to include "completing") shall apply to the operations thereafter conducted by less
13 than all parties.

14 See Article XV.G.

15 2. Rework or Plug Back: Without the consent of all parties, no well shall be reworked or plugged back except a well reworked or
16 plugged back pursuant to the provisions of Article VI.B.2. of this agreement. Consent to the reworking or plugging back of a well shall
17 include all necessary expenditures in conducting such operations and completing and equipping of said well, including necessary tankage
18 and/or surface facilities.

19

20 3. Other Operations: Without the consent of all parties, Operator shall not undertake any single project reasonably estimated
21 to require an expenditure in excess of Fifty Thousand Dollars (\$ 50,000.00)
22 except in connection with a well, the drilling, reworking, deepening, completing, recompleting, or plugging back of which has been
23 previously authorized by or pursuant to this agreement; provided, however, that, in case of explosion, fire, flood or other sudden
24 emergency, whether of the same or different nature, Operator may take such steps and incur such expenses as in its opinion are required
25 to deal with the emergency to safeguard life and property but Operator, as promptly as possible, shall report the emergency to the other
26 parties. If Operator prepares an authority for expenditure (AFE) for its own use, Operator shall furnish any Non-Operator so requesting
27 an information copy thereof for any single project costing in excess of Fifty Thousand
28 Dollars (\$ 50,000.00) but less than the amount first set forth above in this paragraph. **An AFE is an estimate**
29 **only of costs and in no way shall the execution of an AFE limit the liability of any party.**

30

31 **E. Rentals, Shut-in Well Payments and Minimum Royalties:**

32

33 Rentals, shut-in well payments and minimum royalties which may be required under the terms of any lease shall be paid by the
34 party or parties who subjected such lease to this agreement at its or their expense. In the event two or more parties own and have con-
35 tributed interests in the same lease to this agreement, such parties may designate one of such parties to make said payments for and on
36 behalf of all such parties. Any party may request, and shall be entitled to receive, proper evidence of all such payments. In the event of
37 failure to make proper payment of any rental, shut-in well payment or minimum royalty through mistake or oversight where such pay-
38 ment is required to continue the lease in force, any loss which results from such non-payment shall be borne in accordance with the pro-
39 visions of Article IV.B.2. IV.B.3.

40

41 Operator shall notify Non-Operator of the anticipated completion of a shut-in gas well /, or the shutting in or return to production
42 of a producing gas well /, at least five (5) days (excluding Saturday, Sunday and legal holidays), or at the earliest opportunity permitted by
43 circumstances, prior to taking such action, but assumes no liability for failure to do so. In the event of failure by Operator to so notify
44 Non-Operator, the loss of any lease contributed hereto by Non-Operator for failure to make timely payments of any shut-in well payment
45 / shall be borne jointly by the parties hereto under the provisions of Article IV.B.3.

46

47 **F. Taxes:**

48

49 Beginning with the first calendar year after the effective date hereof, Operator shall render for ad valorem taxation all property
50 subject to this agreement which by law should be rendered for such taxes, and it shall pay all such taxes assessed thereon before they
51 become delinquent. Prior to the rendition date, each Non-Operator shall furnish Operator information as to burdens (to include, but not
52 be limited to, royalties, overriding royalties and production payments) on leases and oil and gas interests contributed by such Non-
53 Operator. If the assessed valuation of any leasehold estate is reduced by reason of its being subject to outstanding excess royalties, over-
54 riding royalties or production payments, the reduction in ad valorem taxes resulting therefrom shall inure to the benefit of the owner or
55 owners of such leasehold estate, and Operator shall adjust the charge to such owner or owners so as to reflect the benefit of such reduc-
56 tion. If the ad valorem taxes are based in whole or in part upon separate valuations of each party's working interest, then notwithstanding
57 anything to the contrary herein, charges to the joint account shall be made and paid by the parties hereto in accordance with the tax
58 value generated by each party's working interest. Operator shall bill the other parties for their proportionate shares of all tax payments in
59 the manner provided in Exhibit "C".

60

61 If Operator considers any tax assessment improper, Operator may, at its discretion, protest within the time and manner
62 prescribed by law, and prosecute the protest to a final determination, unless all parties agree to abandon the protest prior to final deter-
63 mination. During the pendency of administrative or judicial proceedings, Operator may elect to pay, under protest, all such taxes and any
64 interest and penalty. When any such protested assessment shall have been finally determined, Operator shall pay the tax for the joint ac-
65 count, together with any interest and penalty accrued, and the total cost shall then be assessed against the parties, and be paid by them, as
66 provided in Exhibit "C".

67

68 Each party shall pay or cause to be paid all production, severance, excise, gathering and other taxes imposed upon or with respect
69 to the production or handling of such party's share of oil and/or gas produced under the terms of this agreement.

70

ARTICLE VII
continued

1 **G. Insurance:**

2

3 At all times while operations are conducted hereunder, Operator shall comply with the workmen's compensation law of
4 the state where the operations are being conducted; provided, however, that Operator may be a self-insurer for liability under said com-
5 pensation laws in which event the only charge that shall be made to the joint account shall be as provided in Exhibit "C". Operator shall
6 also carry or provide insurance for the benefit of the joint account of the parties as outlined in Exhibit "D", attached to and made a part
7 hereof. Operator shall require all contractors engaged in work on or for the Contract Area to comply with the workmen's compensation
8 law of the state where the operations are being conducted and to maintain such other insurance as Operator may require.

9

10 ~~In the event automobile public liability insurance is specified in said Exhibit "D", or subsequently receives the approval of the~~
11 ~~parties, no direct charge shall be made by Operator for premiums paid for such insurance for Operator's automotive equipment.~~

12

ARTICLE VIII.

ACQUISITION, MAINTENANCE OR TRANSFER OF INTEREST

13

14 **A. Surrender of Leases:**

15

16 The leases covered by this agreement, insofar as they embrace acreage in the Contract Area, shall not be surrendered in whole
17 or in part unless all parties consent thereto; **however, no consent shall be necessary to release a lease which has expired or otherwise**
terminated or if release is required by law or order of notice of violation from the regulatory agency having jurisdiction, and notice of
such release shall be provided to the other parties.

18 However, should any party desire to surrender its interest in any lease or in any portion thereof, and the other parties do not
19 agree or consent thereto, the party desiring to surrender shall assign, without express or implied warranty of title, all of its interest in
20 such lease, or portion thereof, and any well, material and equipment which may be located thereon and any rights in production
21 thereafter secured, to the parties not consenting to such surrender. If the interest of the assigning party is or includes an oil and gas in-
22 terest, the assigning party shall execute and deliver to the party or parties not consenting to such surrender an oil and gas lease covering
23 such oil and gas interest for a term of one (1) year and so long thereafter as oil and/or gas is produced / from the land covered thereby, such
24 lease to be on the form attached hereto as Exhibit "B". Upon such assignment or lease, the assigning party shall be relieved from all
25 obligations thereafter accruing, but not theretofore accrued, with respect to the interest assigned or leased and the operation of any well
26 attributable thereto, and the assigning party shall have no further interest in the assigned or leased premises and its equipment and pro-
27 duction other than the royalties retained in any lease made under the terms of this Article. The party assignee or lessee shall pay to the
28 party assignor or lessor the reasonable salvage value of the latter's interest in any wells and equipment attributable to the assigned or les-
29 sed acreage. The value of all material shall be determined in accordance with the provisions of Exhibit "C", less the estimated cost of
30 salvaging and the estimated cost of plugging and abandoning. If the assignment or lease is in favor of more than one party, the interest
31 shall be shared by such parties in the proportions that the interest of each bears to the total interest of all such parties.

32

33 Any assignment, lease or surrender made under this provision shall not reduce or change the assignor's, lessor's or surrendering
34 party's interest as it was immediately before the assignment, lease or surrender in the balance of the Contract Area; and the acreage
35 assigned, leased or surrendered, and subsequent operations thereon, shall not thereafter be subject to the terms and provisions of this
36 agreement.

37

38 **B. Renewal or Extension of Leases:**

39

40 If any party secures a renewal of any oil and gas lease subject to this agreement, all other parties shall be notified promptly, and
41 shall have the right for a period of thirty (30) days following receipt of such notice in which to elect to participate in the ownership of the
42 renewal lease, insofar as such lease affects lands within the Contract Area, by paying to the party who acquired it their several proper pro-
43 portionate shares of the acquisition cost allocated to that part of such lease within the Contract Area, which shall be in proportion to the
44 interests held at that time by the parties in the Contract Area.

45

46 If some, but less than all, of the parties elect to participate in the purchase of a renewal lease, it shall be owned by the parties
47 who elect to participate therein, in a ratio based upon the relationship of their respective percentage of participation in the Contract Area
48 to the aggregate of the percentages of participation in the Contract Area of all parties participating in the purchase of such renewal lease.

49

50 Any renewal lease in which less than all parties elect to participate shall not be subject to this agreement.

51

52 Each party who participates in the purchase of a renewal lease shall be given an assignment of its proportionate interest therein
53 by the acquiring party.

54

55 The provisions of this Article shall apply to renewal leases whether they are for the entire interest covered by the expiring lease
56 or cover only a portion of its area or an interest therein. Any renewal lease taken before the expiration of its predecessor lease, or taken or
57 contracted for within six (6) months after the expiration of the existing lease shall be subject to this provision; but any lease taken or con-
58 tracted for more than six (6) months after the expiration of an existing lease shall not be deemed a renewal lease and shall not be subject to
59 the provisions of this agreement.

60

61 The provisions in this Article shall also be applicable to extensions of oil and gas leases.

62

63 **C. Acreage or Cash Contributions:**

64

65 While this agreement is in force, if any party contracts for a contribution of cash towards the drilling of a well or any other
66 operation on the Contract Area, such contribution shall be paid to the party who conducted the drilling or other operation and shall be
67 applied by it against the cost of such drilling or other operation. If the contribution be in the form of acreage, the party to whom the con-
68 tribution is made shall promptly tender an assignment of the acreage, without warranty of title, to the Drilling Parties in the proportions

ARTICLE VIII
continued

1 said Drilling Parties shared the cost of drilling the well. Such acreage shall become a separate Contract Area and, to the extent possible, be
2 governed by provisions identical to this agreement. Each party shall promptly notify all other parties of any acreage or cash contributions
3 it may obtain in support of any well or any other operation on the Contract Area. The above provisions shall also be applicable to op-
4 tional rights to earn acreage outside the Contract Area which are in support of a well drilled inside the Contract Area.

5

6 If any party contracts for any consideration relating to disposition of such party's share of substances produced hereunder, such
7 consideration shall not be deemed a contribution as contemplated in this Article VIII.C.

8

9 D. Maintenance of Uniform Interests:

10

11 ~~For the purpose of maintaining uniformity of ownership in the oil and gas leasehold interests covered by this agreement, no~~
12 ~~party shall sell, encumber, transfer or make other disposition of its interest in the leases embraced within the Contract Area and in wells,~~
13 ~~equipment and production unless such disposition covers either:~~

14

15 1. ~~the entire interest of the party in all leases and equipment and production; or~~

16

17 2. ~~an equal undivided interest in all leases and equipment and production in the Contract Area.~~

18

19 Every ~~such~~ sale, encumbrance, transfer or other disposition made by any party shall be made expressly subject to this agreement
20 and shall be made without prejudice to the right of the other parties.

21

22 If, at any time the interest of any party is divided among and owned by ~~four~~ or more co-owners, Operator, at its discretion, may
23 require such co-owners to appoint a single trustee or agent with full authority to receive notices, approve expenditures, receive billings for
24 and approve and pay such party's share of the joint expenses, and to deal generally with, and with power to bind, the co-owners of such
25 party's interest within the scope of the operations embraced in this agreement; however, all such co-owners shall have the right to enter
26 into and execute all contracts or agreements for the disposition of their respective shares of the oil and gas produced from the Contract
27 Area and they shall have the right to receive, separately, payment of the sale proceeds thereof.

~~Also see Article XV.E.~~

28

29 E. Waiver of Rights to Partition:

30

31 If permitted by the laws of the state or states in which the property covered hereby is located, each party hereto owning an
32 undivided interest in the Contract Area waives any and all rights it may have to partition and have set aside to it in severalty its undivided
33 interest therein.

34

35 F. Preferential Right to Purchase:

36

37 ~~Should any party desire to sell all or any part of its interests under this agreement, or its rights and interests in the Contract~~
38 ~~Area, it shall promptly give written notice to the other parties, with full information concerning its proposed sale, which shall include the~~
39 ~~name and address of the prospective purchaser (who must be ready, willing and able to purchase), the purchase price, and all other terms~~
40 ~~of the offer. The other parties shall then have an optional prior right, for a period of ten (10) days after receipt of the notice, to purchase~~
41 ~~on the same terms and conditions the interest which the other party proposes to sell; and, if this optional right is exercised, the purchas-~~
42 ~~ing parties shall share the purchased interest in the proportions that the interest of each bears to the total interest of all purchasing par-~~
43 ~~ties. However, there shall be no preferential right to purchase in those cases where any party wishes to mortgage its interests, or to~~
44 ~~dispose of its interests by merger, reorganization, consolidation, or sale of all or substantially all of its assets to a subsidiary or parent com-~~
45 ~~pany or to a subsidiary of a parent company, or to any company in which any one party owns a majority of the stock.~~

46

ARTICLE IX.

INTERNAL REVENUE CODE ELECTION

49

50 This agreement is not intended to create, and shall not be construed to create, a relationship of partnership or an association
51 for profit between or among the parties hereto. Notwithstanding any provision herein that the rights and liabilities hereunder are several
52 and not joint or collective, or that this agreement and operations hereunder shall not constitute a partnership, if, for federal income tax
53 purposes, this agreement and the operations hereunder are regarded as a partnership, each party hereby affected elects to be excluded
54 from the application of all of the provisions of Subchapter "K", Chapter 1, Subtitle "A", of the Internal Revenue Code of 1954, as per-
55 mitted and authorized by Section 761 of the Code and the regulations promulgated thereunder. Operator is authorized and directed to ex-
56 ecute on behalf of each party hereby affected such evidence of this election as may be required by the Secretary of the Treasury of the
57 United States or the Federal Internal Revenue Service, including specifically, but not by way of limitation, all of the returns, statements,
58 and the data required by Federal Regulations 1.761. Should there be any requirement that each party hereby affected give further
59 evidence of this election, each such party shall execute such documents and furnish such other evidence as may be required by the
60 Federal Internal Revenue Service or as may be necessary to evidence this election. No such party shall give any notices or take any other
61 action inconsistent with the election made hereby. If any present or future income tax laws of the state or states in which the Contract
62 Area is located or any future income tax laws of the United States contain provisions similar to those in Subchapter "K", Chapter 1,
63 Subtitle "A", of the Internal Revenue Code of 1954, under which an election similar to that provided by Section 761 of the Code is per-
64 mitted, each party hereby affected shall make such election as may be permitted or required by such laws. In making the foregoing elec-
65 tion, each such party states that the income derived by such party from operations hereunder can be adequately determined without the
66 computation of partnership taxable income.

67

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ARTICLE X.

CLAIMS AND LAWSUITS

4 Operator may settle any single uninsured third party damage claim or suit arising from operations hereunder if the expenditure
5 does not exceed Fifty Thousand Dollars
6 (\$ 50,000.00) and if the payment is in complete settlement of such claim or suit. If the amount required for settlement ex-
7 ceeds the above amount, the parties hereto shall assume and take over the further handling of the claim or suit, unless such authority is
8 delegated to Operator. All costs and expenses of handling, settling, or otherwise discharging such claim or suit shall be at the joint ex-
9 pense of the parties participating in the operation from which the claim or suit arises. If a claim is made against any party or if any party is
10 sued on account of any matter arising from operations hereunder over which such individual has no control because of the rights given
11 Operator by this agreement, such party shall immediately notify all other parties, and the claim or suit shall be treated as any other claim
12 or suit involving operations hereunder.

ARTICLE XI. FORCE MAJEURE

17 If any party is rendered unable, wholly or in part, by force majeure to carry out its obligations under this agreement, other than
18 the obligation to make money payments, that party shall give to all other parties prompt written notice of the force majeure with
19 reasonably full particulars concerning it; thereupon, the obligations of the party giving the notice, so far as they are affected by the force
20 majeure, shall be suspending during, but no longer than, the continuance of the force majeure. The affected party shall use all reasonable
21 diligence to remove the force majeure situation as quickly as practicable.

23 The requirement that any force majeure shall be remedied with all reasonable dispatch shall not require the settlement of strikes,
24 lockouts, or other labor difficulty by the party involved, contrary to its wishes; how all such difficulties shall be handled shall be entirely
25 within the discretion of the party concerned.

26
27 The term "force majeure", as here employed, shall mean an act of God, strike, lockout, or other industrial disturbance, act of
28 the public enemy, war, blockade, public riot, lightning, fire, storm, flood, explosion, governmental action, governmental delay, restraint
29 or inaction, unavailability of equipment, and any other cause, whether of the kind specifically enumerated above or otherwise, which is
30 not reasonably within the control of the party claiming suspension.

ARTICLE XII.

NOTICES

35 All notices authorized or required between the parties and required by any of the provisions of this agreement, unless otherwise
36 specifically provided, shall be given in writing by mail or telegram, postage or charges prepaid, or by telex or telecopier and addressed to
37 the parties to whom the notice is given at the addresses listed on Exhibit "A". The originating notice given under any provision hereof
38 shall be deemed given only when received by the party to whom such notice is directed, and the time for such party to give any notice in
39 response thereto shall run from the date the originating notice is received. The second or any responsive notice shall be deemed given
40 when deposited in the mail or with the telegraph company, with postage or charges prepaid, or sent by telex or telecopier. Each party
41 shall have the right to change its address at any time, and from time to time, by giving written notice thereof to all other parties.

ARTICLE XIII.

TERM OF AGREEMENT

46 This agreement shall remain in full force and effect as to the oil and gas leases and/or oil and gas interests subject hereto for the
47 period of time selected below; provided, however, no party hereto shall ever be construed as having any right, title or interest in or to any
48 lease or oil and gas interest contributed by any other party beyond the term of this agreement.

49
50 Option No. 1: So long as any of the oil and gas leases subject to this agreement remain or are continued in force as to any part

51 of the Contract Area, whether by production, extension, renewal, or otherwise.
52
53 Option No. 2: In the event the well described in Article VI.A., or any subsequent well drilled under any provision of this
54 agreement, results in production of oil and/or gas in paying quantities, this agreement shall continue in force so long as any such well or
55 wells produce, or are capable of production, and for an additional period of 90 days from cessation of all production; provided,
56 however, if, prior to the expiration of such additional period, one or more of the parties hereto are engaged in drilling, reworking, deepen-
57 ing, plugging back, testing or attempting to complete a well or wells hereunder, this agreement shall continue in force until such opera-
58 tions have been completed and if production results therefrom, this agreement shall continue in force as provided herein. In the event the
59 well described in Article VI.A., or any subsequent well drilled hereunder, results in a dry hole, and no other well is producing, or capable
60 of producing oil and/or gas from the Contract Area, this agreement shall terminate unless drilling, deepening, plugging back or rework-
61 ing operations are commenced within 90 days from the date of abandonment of said well.

62 It is agreed, however, that the termination of this agreement shall not relieve any party hereto from any liability which has
63 accrued prior to the date of such termination.

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1

ARTICLE XIV.
COMPLIANCE WITH LAWS AND REGULATIONS

2

3

4 **A. Laws, Regulations and Orders:**

5

6 This agreement shall be subject to the conservation laws of the state in which the Contract Area is located, to the valid rules,
7 regulations, and orders of any duly constituted regulatory body of said state; and to all other applicable federal, state, and local laws, or-
8 dinances, rules, regulations, and orders.

9

10 **B. Governing Law:**

11

12 This agreement and all matters pertaining hereto, including, but not limited to, matters of performance, non-performance, breach,
13 remedies, procedures, rights, duties, and interpretation or construction, shall be governed and determined by the law of the state in which
14 the Contract Area is located. If the Contract Area is in two or more states, the law of the state of _____
15 shall govern.

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EXHIBIT "A"

Attached to and made a part of that certain Unit Operating Agreement
dated July 13, 2020, as approved by the
Ohio Department of Natural Resources for the Angelo Unit

1. Description of lands subject to this Agreement:

The Contract Area is the Unit shown on Exhibit "A-1" attached hereto.

2. Restrictions, if any, as to depths, formations or substances:

This Agreement shall cover the Unit Area from fifty feet above the top of the Utica Shale formation to fifty feet below the top of the Trenton Limestone (as more particularly defined in Article 1 of the Unit Agreement).

3. Parties to agreement with addresses for notice purposes:

Gulfport Appalachia, LLC
3001 Quail Springs Parkway
Oklahoma City, Oklahoma 73134
Attention: Bill Eischeid, Vice President

The names and addresses of the remaining parties set forth in Exhibit "A-3" and Exhibit "A-6" attached hereto.

4. Percentages or fractional interests of parties to this agreement:

OPERATOR	<u>Working Interest</u>
Gulfport Appalachia, LLC	74.32467490%*
NON OPERATOR	
COMMITTED WORKING INTEREST OWNER	
Ascent Resources - Utica, LLC Attn: Kade R Smith P.O. Box 13678 Oklahoma City, OK 73113	14.01251553%*
UNLEASED MINERAL OWNERS	
	11.66280957%
TOTAL:	100.000000%

5. Oil and Gas Leases and/or Oil and Gas Interests subject to this agreement:

See Exhibit "A-2"

*It is understood by the Parties that the working interests listed above are estimates and are subject to change based upon the verification of title, additional leasehold acquired within the Contract Area, and/or the participation or non-participation of unleased mineral interests and/or third parties. The Parties' interests shall be adjusted to reflect the actual interest owned by the Parties in the Contract Area.

End of Exhibit "A"

EXHIBIT "A-1"
GULFPORT APPALACHIA, LLC
ANGELO UNIT
JEFFERSON COUNTY, OHIO
581.837 ACRES

T5N
R2W

MAP ID	PARCEL NUMBER	ACRES
1	41-00053-000	2.270
2	41-00054-000	4.806
3	41-00055-000	5.018
4	41-00067-000	7.165
5	41-00086-000	0.703
6	41-00093-000	6.529
7	41-00094-000	1.510
8	41-00143-000	59.333
9	41-00143-001	13.538
10	41-00143-002	3.588
11	41-01158-000	0.397
12	41-00378-000	6.540
13	41-00379-000	1.411
14	41-00380-000	0.755
15	41-00593-000	0.654
16	41-00595-000	0.049
17	41-00695-000	22.510
18	41-00695-001	0.305
19	41-00701-000	0.068
20	41-00756-000	1.673
21	41-00879-000	55.153
22	41-00918-000	43.971
23	41-00918-001	3.741
24A	41-00991-000	30.211
24B	41-00991-000	0.947
25	41-01190-000	0.998
26	41-01273-000	0.497
27	41-01369-000	1.227
28A	41-01446-000	0.118
28B	41-01446-000	0.205
29	41-02599-000	2.471
30	41-02157-000	0.288
31	41-02157-003	1.191
32	41-02169-000	6.583
33	41-02248-000	17.355
34	41-02269-000	3.373
35A	41-02289-000	42.591
35B	41-02289-000	2.333
36	41-02306-000	3.299
37A	41-02306-001	0.286
37B	41-02306-001	0.433
38	41-02306-002	0.344
39	41-02350-000	1.045
40	41-02535-000	1.045
41	41-02541-000	0.779
42	41-02579-000	0.243
43A	41-02590-000	61.579
43B	41-02590-000	0.007
44	41-02641-000	0.416
45	41-02671-000	1.033
46	41-02674-000	9.078
47	41-02674-001	3.000
48	41-02675-000	1.067
49	41-02676-000	21.095
50	41-02679-000	12.328
51	41-02682-000	3.642
52	41-02682-001	2.512
53	41-02682-006	15.319
54	41-02690-000	10.058
55	41-02692-000	10.668
56	41-02716-000	18.738
57	41-02759-000	5.364
58	UNKNOWN	24.553
59	41-02394-000	15.759
60	41-00000-000	3.599
61	41-00000-000	1.260
62	41-00000-000	1.213

**Jefferson
County**

**WARREN
Township**

 UNIT BOUNDARY - 581.837 ACRES

Sec.
27

Sec.
21

Sec.
15

1 in = 1,950 ft



ANGELO
WARREN TOWNSHIP
JEFFERSON COUNTY, OHIO

Last Updated: July 2, 2020
Version 1

Exhibit A-2 All Mineral Owners in the proposed Angelo Unit																
TRACT NUMBER	LEASE ID NUMBER	MINERAL OWNER	LEASED Y/N	DECIMAL INTEREST IN TRACT	SURFACE ACRES IN UNIT	TRACT PARTICIPATION IN UNIT	TAX MAP PARCEL ID	TOWNSHIP	COUNTY	COMMITTED WORKING INTEREST PERCENTAGE	GULFPORT APPALACHIA WORKING INTEREST	ASCENT RESOURCES - UTICA, LLC WORKING INTEREST	ADDRESS	CITY	STATE	ZIP
1	Committed Working Interest	Gulfport Appalachia, LLC Attn: Bill Eischeid	N	1.00000000	2.27000000	0.39014363%	41-00053-000	Warren	Jefferson	0.39014363%	0.39014363%	0.00000000%	3001 Quail Springs Parkway	Oklahoma City	OK	73134
2	Committed Working Interest	Gulfport Appalachia, LLC Attn: Bill Eischeid	N	1.00000000	4.80600000	0.82600453%	41-00054-000	Warren	Jefferson	0.82600453%	0.82600453%	0.00000000%	3001 Quail Springs Parkway	Oklahoma City	OK	73134
3	Committed Working Interest	Gulfport Appalachia, LLC Attn: Bill Eischeid	N	1.00000000	5.01800000	0.86244086%	41-00055-000	Warren	Jefferson	0.86244086%	0.86244086%	0.00000000%	3001 Quail Springs Parkway	Oklahoma City	OK	73134
4	L002268000	Gary R. Watt and Susanne Watt, husband and wife	Y	1.00000000	7.16500000	1.23144455%	41-00067-000	Warren	Jefferson	1.23144455%	1.23144455%	0.00000000%	1235 Merkel Loop	Rayland	OH	43943
5	Unleased Mineral Interest	Howard P. Dallas, his unknown successors, heirs and assigns	N	0.01785714	*0.01255357	*0.00215758%	41-00086-000	Warren	Jefferson	0.00000000%	0.00000000%	0.00000000%	Undetermined	Undetermined	Undetermined	Undetermined
5	L028238000	Mary D. Babcock, a single woman	Y	0.00892857	0.00627679	0.00107879%	41-00086-000	Warren	Jefferson	0.00107879%	0.00107879%	0.00000000%	19557 Cardene Way	Northville	MI	48167
5	Unleased Mineral Interest	Helen Moon Kraus	N	0.00892857	*0.00627679	*0.00107879%	41-00086-000	Warren	Jefferson	0.00000000%	0.00000000%	0.00000000%	29 Crockett Ridge Rd.	Black Mountain	NC	28711
5	Unleased Mineral Interest	Donald M. Dallas	N	0.00595238	*0.00418452	*0.00071919%	41-00086-000	Warren	Jefferson	0.00000000%	0.00000000%	0.00000000%	2125 Conestoga Rd.	Reno	NV	89521
5	Unleased Mineral Interest	Melinda D. Legge nka Mindy A. Dallas	N	0.00595238	*0.00418452	*0.00071919%	41-00086-000	Warren	Jefferson	0.00000000%	0.00000000%	0.00000000%	1080 Combination Rd.	Reno	NV	89521
5	Unleased Mineral Interest	Pamela Dallas	N	0.00595238	*0.00418452	*0.00071919%	41-00086-000	Warren	Jefferson	0.00000000%	0.00000000%	0.00000000%	1540 Carlin St.	Reno	NV	89503
5	Unleased Mineral Interest	Ethel J. Dallas Abrams, her unknown successors, heirs and assigns	N	0.01785714	*0.01255357	*0.00215758%	41-00086-000	Warren	Jefferson	0.00000000%	0.00000000%	0.00000000%	Undetermined	Undetermined	Undetermined	Undetermined
5	L028503000	Norman W. Dallas, Jr., and Linda F. Dallas, husband and wife	Y	0.00595238	0.00418452	0.00071919%	41-00086-000	Warren	Jefferson	0.00071919%	0.00071919%	0.00000000%	5445 Arbor Wood Lane	Beaumont	TX	77706
5	L028506000	Janet E. Yocum and Phillip L. Yocum, wife and husband	Y	0.00595238	0.00418452	0.00071919%	41-00086-000	Warren	Jefferson	0.00071919%	0.00071919%	0.00000000%	1157 High Street	Harrisburg	OH	43126
5	Unleased Mineral Interest	Mark E. Dallas	N	0.00595238	*0.00418452	*0.00071919%	41-00086-000	Warren	Jefferson	0.00000000%	0.00000000%	0.00000000%	11527 Pipesville Rd.	Howard	OH	43028
5	L031047000	Charles W. Buckley Jr. and Cheryl Ann Buckley, husband and wife	Y	0.01785714	0.01255357	0.00215758%	41-00086-000	Warren	Jefferson	0.00215758%	0.00215758%	0.00000000%	2075 Palo Alto Avenue	Lady Lake	FL	32159
5	Committed Working Interest	Gulfport Appalachia, LLC Attn: Bill Eischeid	N	0.00892857	0.00627679	0.00107879%	41-00086-000	Warren	Jefferson	0.00107879%	0.00107879%	0.00000000%	3001 Quail Springs Parkway	Oklahoma City	OK	73134
5	L028501000	David H. Boston and Lori L. Boston, husband and wife	Y	0.00892857	0.00627679	0.00107879%	41-00086-000	Warren	Jefferson	0.00107879%	0.00107879%	0.00000000%	242 E. 4th St.	Tucson	AZ	85705
5	L028103000	Doris E. Calkins, a widowed woman	Y	0.00390625	0.00274609	0.00047197%	41-00086-000	Warren	Jefferson	0.00047197%	0.00047197%	0.00000000%	5008 Cable Ave.	Cheyenne	WY	82009
5	L028118000	Lois I. Ronish and Robert R. Ronish, wife and husband	Y	0.00390625	0.00274609	0.00047197%	41-00086-000	Warren	Jefferson	0.00047197%	0.00047197%	0.00000000%	3201 - 4th Ave. N	Great Falls	MT	59401
5	L028102000	Helen L. Burngarner, a widowed woman	Y	0.00390625	0.00274609	0.00047197%	41-00086-000	Warren	Jefferson	0.00047197%	0.00047197%	0.00000000%	5311 Seslar Ave.	Cheyenne	WY	82009
5	L028092000	Carol A. Palmer and Leland Brooks Palmer, wife and husband	Y	0.00390625	0.00274609	0.00047197%	41-00086-000	Warren	Jefferson	0.00047197%	0.00047197%	0.00000000%	300 W. Carlson St., #103	Cheyenne	WY	82009
5	L028895000	Everett L. Grout and Sharon L. Grout, husband and wife	Y	0.00312500	0.00219688	0.00037758%	41-00086-000	Warren	Jefferson	0.00037758%	0.00037758%	0.00000000%	16104 - 275th Street East	Graham	WA	98338
5	L028505000	David C. Grout and Melinda K. Grout, husband and wife	Y	0.00312500	0.00219688	0.00037758%	41-00086-000	Warren	Jefferson	0.00037758%	0.00037758%	0.00000000%	9531 Forest Dell Dr.	Edmonds	WA	98020
5	L028496000	Lois M. Giles and Stephen B. Giles, wife and husband	Y	0.00312500	0.00219688	0.00037758%	41-00086-000	Warren	Jefferson	0.00037758%	0.00037758%	0.00000000%	456 Stein Ln.	Camano Island	WA	98282
5	L028498000	Donna E. Grout, a single woman	Y	0.00312500	0.00219688	0.00037758%	41-00086-000	Warren	Jefferson	0.00037758%	0.00037758%	0.00000000%	456 A, Stein Ln.	Camano Island	WA	98282

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TRACT NUMBER	LEASE ID NUMBER	MINERAL OWNER	LEASED Y/N	DECIMAL INTEREST IN TRACT	SURFACE ACRES IN UNIT	TRACT PARTICIPATION IN UNIT	TAX MAP PARCEL ID	TOWNSHIP	COUNTY	COMMITTED WORKING INTEREST PERCENTAGE	GULFPORT APPALACHIA WORKING INTEREST	ASCENT RESOURCES - UTICA, LLC WORKING INTEREST	ADDRESS	CITY	STATE	ZIP
5	L028499000	Phillip J. Harvey, a widowed man	Y	0.00312500	0.00219688	0.00037758%	41-00086-000	Warren	Jefferson	0.00037758%	0.00037758%	0.0000000%	10442 Forbes Creek Dr.	Kirkland	WA	98033
5	L028240000	Janet K. Kranz and William A. Kranz, wife and husband	Y	0.00223214	0.00156920	0.00026970%	41-00086-000	Warren	Jefferson	0.00026970%	0.00026970%	0.0000000%	603 Country Club Rd.	Sauk Centre	MN	56378
5	L029022000	Frances A. Yett and Danny R. Yett, wife and husband	Y	0.00111607	0.00078460	0.00013485%	41-00086-000	Warren	Jefferson	0.00013485%	0.00013485%	0.0000000%	2670 Gem Ave.	Emmett	ID	83617
5	L030725000	Robert Earl Baumann and Stephanie Baumann, husband and wife	Y	0.00111607	0.00078460	0.00013485%	41-00086-000	Warren	Jefferson	0.00013485%	0.00013485%	0.0000000%	992 Mistletoe Loop N.	Keizer	OR	97303
5	L028204000	Geraldine A. Thomas and Robert Thomas, wife and husband	Y	0.00223214	0.00156920	0.00026970%	41-00086-000	Warren	Jefferson	0.00026970%	0.00026970%	0.0000000%	5136 Bates Street	Turner	OR	97317
5	L028495000	Thomas G. Dallas and Laurie E. Dallas, husband and wife	Y	0.00223214	0.00156920	0.00026970%	41-00086-000	Warren	Jefferson	0.00026970%	0.00026970%	0.0000000%	702 Vista Park Dr.	Eagle Point	OR	97524
5	L028187000	Edna J. Everett, a widowed woman	Y	0.00223214	0.00156920	0.00026970%	41-00086-000	Warren	Jefferson	0.00026970%	0.00026970%	0.0000000%	3166 Chandler Egan Dr.	Medford	OR	97504
5	L028277000	John L. Dallas, a single man	Y	0.00223214	0.00156920	0.00026970%	41-00086-000	Warren	Jefferson	0.00026970%	0.00026970%	0.0000000%	PO Box 16922	South Lake Tahoe	CA	96151
5	L028188000	Deborah M. Albert and Allan R. Albert, wife and husband	Y	0.00223214	0.00156920	0.00026970%	41-00086-000	Warren	Jefferson	0.00026970%	0.00026970%	0.0000000%	1006 Sherwood Ln.	Papillion	NE	68046
5	Unleased Mineral Interest	John C. Cavallaro	N	0.00390625	*0.00274609	*0.00047197%	41-00086-000	Warren	Jefferson	0.0000000%	0.0000000%	0.0000000%	4638 Live Oak Ct.	Ellicott City	MD	21043
5	L028228000	James K. Cavallaro and Elizabeth S. Cavallaro, husband and wife	Y	0.00390625	0.00274609	0.00047197%	41-00086-000	Warren	Jefferson	0.00047197%	0.00047197%	0.0000000%	4620 Alpine Dr.	Lakeland	FL	33801
5	L028211000	Karen S. Marasco and Charles M. Marasco, wife and husband	Y	0.00390625	0.00274609	0.00047197%	41-00086-000	Warren	Jefferson	0.00047197%	0.00047197%	0.0000000%	229 Branford Rd., Unit #464	North Branford	CT	06471
5	Unleased Mineral Interest	David D. Cavallaro	N	0.00390625	*0.00274609	*0.00047197%	41-00086-000	Warren	Jefferson	0.0000000%	0.0000000%	0.0000000%	121 Lydall Rd.	East Hartford	CT	06118
5	L028126000	Dean R. Dallas and Elizabeth A. Dallas, husband and wife	Y	0.00390625	0.00274609	0.00047197%	41-00086-000	Warren	Jefferson	0.00047197%	0.00047197%	0.0000000%	5580 S. Basalt Ave.	Boise	ID	83716
5	L028144000	Donald L. Dallas and Denise L. Storer Dallas, husband and wife	Y	0.00390625	0.00274609	0.00047197%	41-00086-000	Warren	Jefferson	0.00047197%	0.00047197%	0.0000000%	2485 E. Tybalt Dr.	Meridian	ID	83642
5	L028127000	Kay Marie Dallas Jewell aka Kay Dallas Jewell, a single woman	Y	0.00390625	0.00274609	0.00047197%	41-00086-000	Warren	Jefferson	0.00047197%	0.00047197%	0.0000000%	5723 Elkhorn Ave.	Boise	ID	83705
5	L028124000	The Dallas Family Trust, dated October 15th, 2016 Attn: Craig T. Dallas and Mary J. Dallas, Trustees	Y	0.00390625	0.00274609	0.00047197%	41-00086-000	Warren	Jefferson	0.00047197%	0.00047197%	0.0000000%	1759 W Oakhampton Dr.	Eagle	ID	83616
5	Unleased Mineral Interest	Edgar N. Dallas, his unknown successors, heirs and assigns	N	0.01562500	*0.01098438	*0.00188788%	41-00086-000	Warren	Jefferson	0.0000000%	0.0000000%	0.0000000%	Undetermined	Undetermined	Undetermined	Undetermined
5	L028237000	Jerry L. Dallas and Marsha A. Dallas, husband and wife	Y	0.00390625	0.00274609	0.00047197%	41-00086-000	Warren	Jefferson	0.00047197%	0.00047197%	0.0000000%	4913 S. Peach Willow Ln.	Gilbert	AZ	85298
5	L028224000	Rodger W. Dallas and Holly I. Dallas, husband and wife	Y	0.00390625	0.00274609	0.00047197%	41-00086-000	Warren	Jefferson	0.00047197%	0.00047197%	0.0000000%	233 SE View Dr	Newport	OR	97365
5	L028326000	Wayne E. Dallas and Jeanette M. Dallas, husband and wife	Y	0.00390625	0.00274609	0.00047197%	41-00086-000	Warren	Jefferson	0.00047197%	0.00047197%	0.0000000%	826 Lakeside Dr.	Anderson	SC	29621
5	L028209000	James K. Dallas and Janet D. Dallas, husband and wife	Y	0.00390625	0.00274609	0.00047197%	41-00086-000	Warren	Jefferson	0.00047197%	0.00047197%	0.0000000%	4650 Auburn Folsom Rd.	Loomis	CA	95650
5	L028252000	Douglas M. Harlan, a widowed man	Y	0.00142045	0.00099858	0.00017163%	41-00086-000	Warren	Jefferson	0.00017163%	0.00017163%	0.0000000%	921 North 700	East Mapleton	UT	84664
5	L028492000	James R. Harlan, a single man	Y	0.00142045	0.00099858	0.00017163%	41-00086-000	Warren	Jefferson	0.00017163%	0.00017163%	0.0000000%	553 35th St. NW	Gig Harbor	WA	98335
5	L029744000	John L. Harlan, a single man	Y	0.00142045	0.00099858	0.00017163%	41-00086-000	Warren	Jefferson	0.00017163%	0.00017163%	0.0000000%	19831 Arbutus Ct.	Poulsbo	WA	98370
5	L028493000	Thomas L. Harlan and Rebecca L. Harlan, husband and wife	Y	0.00142045	0.00099858	0.00017163%	41-00086-000	Warren	Jefferson	0.00017163%	0.00017163%	0.0000000%	74711 Dillon Rd.	Desert Hot Springs	CA	92241

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5	L028897000	Susan K. Skidmore and Stuart Skidmore, wife and husband	Y	0.00015783	0.00011095	0.00001907%	41-00086-000	Warren	Jefferson	0.00001907%	0.00001907%	0.0000000%	7 Mundinger Ln.	Omak	WA	98841
5	L029658000	Catherine L. Strickling, a single woman	Y	0.00015783	0.00011095	0.00001907%	41-00086-000	Warren	Jefferson	0.00001907%	0.00001907%	0.0000000%	2966 Westcove Dr.	West Valley City	UT	84119
5	L028957000	Bonnie Jean Crawford, a single woman	Y	0.00015783	0.00011095	0.00001907%	41-00086-000	Warren	Jefferson	0.00001907%	0.00001907%	0.0000000%	4313 Queen Circle	The Colony	TX	75056
5	L029301000	Lynn Arie Murry aka Lynn Marie Murray and Gregory Murray, wife and husband	Y	0.00015783	0.00011095	0.00001907%	41-00086-000	Warren	Jefferson	0.00001907%	0.00001907%	0.0000000%	3576 S. 6830 W.	West Valley City	UT	84128
5	L029520000	Martha Ann Washington and Ricky Washington, wife and husband	Y	0.00015783	0.00011095	0.00001907%	41-00086-000	Warren	Jefferson	0.00001907%	0.00001907%	0.0000000%	305 S. 3rd. St.	Wylie	TX	75098
5	L029660000	Richard S. Casteel, a single man	Y	0.00015783	0.00011095	0.00001907%	41-00086-000	Warren	Jefferson	0.00001907%	0.00001907%	0.0000000%	23719 Stottlemyer Rd NE	Poulsbo	WA	98370
5	L029019000	Deborah K. Mullins, a single woman	Y	0.00015783	0.00011095	0.00001907%	41-00086-000	Warren	Jefferson	0.00001907%	0.00001907%	0.0000000%	400 Flower Meadows St.	Port Orchard	WA	98366
5	L029014000	Marie L. Schruhl and Daryl Schruhl, wife and husband	Y	0.00015783	0.00011095	0.00001907%	41-00086-000	Warren	Jefferson	0.00001907%	0.00001907%	0.0000000%	8984 Nels Nelson Rd NW	Bremerton	WA	98311
5	L028959000	Donald R. Casteel and Linda Casteel, husband and wife	Y	0.00015783	0.00011095	0.00001907%	41-00086-000	Warren	Jefferson	0.00001907%	0.00001907%	0.0000000%	PO Box 1463	Belfair	WA	98528
5	L028231000	Diana Millsap, a widowed woman	Y	0.00142045	0.00099858	0.00017163%	41-00086-000	Warren	Jefferson	0.00017163%	0.00017163%	0.0000000%	P.O. Box 483	Bear River City	UT	84301
5	L028229000	Linda L. Watry and William E. Watry, wife and husband	Y	0.00142045	0.00099858	0.00017163%	41-00086-000	Warren	Jefferson	0.00017163%	0.00017163%	0.0000000%	2208 Mugho Pl.	Loveland	CO	80538
5	L028239000	Marion S. Kennedy aka Marian S. Kennedy, a widowed woman	Y	0.00142045	0.00099858	0.00017163%	41-00086-000	Warren	Jefferson	0.00017163%	0.00017163%	0.0000000%	2135 E. 21st St.	Bremerton	WA	98310
5	L028490000	Ralph R. Edenholm, a single man	Y	0.00047348	0.00033286	0.00005721%	41-00086-000	Warren	Jefferson	0.00005721%	0.00005721%	0.0000000%	2744 Sutherland Pl.	Steilacoom	WA	98388
5	L028489000	Cory E. Snider and Ryoko Snider, husband and wife	Y	0.00031566	0.00022191	0.00003814%	41-00086-000	Warren	Jefferson	0.00003814%	0.00003814%	0.0000000%	#1 - 75th St. NW	Everett	WA	98203
5	L028488000	Michelle L. Cox and C. Nathan Cox, wife and husband	Y	0.00031566	0.00022191	0.00003814%	41-00086-000	Warren	Jefferson	0.00003814%	0.00003814%	0.0000000%	462 S. Grand Oaks Dr.	Fruit Heights	UT	84037
5	L029117000	Renae K. Snider, a single woman	Y	0.00031566	0.00022191	0.00003814%	41-00086-000	Warren	Jefferson	0.00003814%	0.00003814%	0.0000000%	1909 S 1100 W	Syracuse	UT	84075
5	L028494000	Jeanne Halper, a single woman	Y	0.00142045	0.00099858	0.00017163%	41-00086-000	Warren	Jefferson	0.00017163%	0.00017163%	0.0000000%	1215 W. Slaughter Ln., #2511	Austin	TX	78748
5	L028491000	Cynthia L. Harlan, a single woman	Y	0.00142045	0.00099858	0.00017163%	41-00086-000	Warren	Jefferson	0.00017163%	0.00017163%	0.0000000%	711 W. Summit St.	Lead	SD	57754
5	Unleased Mineral Interest	Nettie M. Gates	N	0.06250000	*0.04393750	*0.00755151%	41-00086-000	Warren	Jefferson	0.0000000%	0.0000000%	0.0000000%	Undetermined	Undetermined	Undetermined	Undetermined
5	Unleased Mineral Interest	The Audre G. & Evelyn M. Blair Revocable Trust, dated March 23, 2000 Attn: Robert W. Blair, Successor Trustee	N	0.06250000	*0.04393750	*0.00755151%	41-00086-000	Warren	Jefferson	0.0000000%	0.0000000%	0.0000000%	14515 Bass Lake Rd.	Newbury	OH	44065
5	L028504000	Walton M. Dallas Jr. Living Trust, dated January 17th, 2012 Attn: Walton M. Dallas, Jr., Trustee	Y	0.03125000	0.02196875	0.00377576%	41-00086-000	Warren	Jefferson	0.00377576%	0.00377576%	0.0000000%	1400 N. Eagle Ln.	Oklahoma City	OK	73127
5	L028505000	Joanne E. Dallas, a single woman	Y	0.03125000	0.02196875	0.00377576%	41-00086-000	Warren	Jefferson	0.00377576%	0.00377576%	0.0000000%	7739 Chalkstone Dr.	Dallas	TX	75248
5	L030726000	Sandra Sue Dallas, a single woman	Y	0.02083333	0.01464583	0.00251717%	41-00086-000	Warren	Jefferson	0.00251717%	0.00251717%	0.0000000%	48549 Highway 101, SPC 4	Bandon	OR	97411-6208
5	L030727000	JaDene S. Jones and Jeffrey D. Jones, wife and husband	Y	0.01041667	0.00732292	0.00125859%	41-00086-000	Warren	Jefferson	0.00125859%	0.00125859%	0.0000000%	1681 Halverson Ct.	Folsom	CA	95630-7350
5	Unleased Mineral Interest	Jane Lonsberry	N	0.01041667	*0.00732292	*0.00125859%	41-00086-000	Warren	Jefferson	0.0000000%	0.0000000%	0.0000000%	223 E. Mill St., Apt.1	Orland	CA	95963-1977

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5	L029137000	Elaine S. Dallas, a widowed woman	Y	0.02083333	0.01464583	0.00251717%	41-00086-000	Warren	Jefferson	0.00251717%	0.00251717%	0.0000000%	93199 Luscombe Loop	Coos Bay	OR	97420
5	L031064000	Marvin A. Johnson and Joyce A. Johnson, husband and wife	Y	0.00520833	0.00366146	0.00062929%	41-00086-000	Warren	Jefferson	0.00062929%	0.00062929%	0.0000000%	3060 N Ridgecrest, Unit 181	Mesa	AZ	85207
5	L031101000	Carol L. Grover, a single woman	Y	0.00520833	0.00366146	0.00062929%	41-00086-000	Warren	Jefferson	0.00062929%	0.00062929%	0.0000000%	272 Thwing Rd.	Chardon	OH	44024
5	Unleased Mineral Interest	Kay E. Hering	N	0.00520833	*0.00366146	*0.00062929%	41-00086-000	Warren	Jefferson	0.0000000%	0.0000000%	0.0000000%	13900 Hale Rd.	Burton	OH	44021
5	Unleased Mineral Interest	Melinda Rae Baty	N	0.00520833	*0.00366146	*0.00062929%	41-00086-000	Warren	Jefferson	0.0000000%	0.0000000%	0.0000000%	919 Franklin Ave.	Fremont	OH	43420
5	L029642000	Kim A. Kamin and David Kamin, wife and husband	Y	0.00520833	0.00366146	0.00062929%	41-00086-000	Warren	Jefferson	0.00062929%	0.00062929%	0.0000000%	3820 London Ln.	Richland Hills	TX	76118
5	Unleased Mineral Interest	Michael D. Lotz	N	0.00520833	*0.00366146	*0.00062929%	41-00086-000	Warren	Jefferson	0.0000000%	0.0000000%	0.0000000%	1007 S. Bridgeport Pl.	Sioux Falls	SD	57106-3465
5	L031062000	Thomas J. Michie Jr., a single man, by and through his Attorney-in-Fact, George R. Michie	Y	0.00520833	0.00366146	0.00062929%	41-00086-000	Warren	Jefferson	0.00062929%	0.00062929%	0.0000000%	6025 Summerfield Farm Lane	Charlottesville	VA	22903
5	Unleased Mineral Interest	Allison Shrank Babcock	N	0.00520833	*0.00366146	*0.00062929%	41-00086-000	Warren	Jefferson	0.0000000%	0.0000000%	0.0000000%	17 Bluff Point Rd.	Sag Harbor	NY	11963
5	Unleased Mineral Interest	JP Morgan Chase Bank fka The Peoples National Bank and Trust Company fka The National Bank of Dover Attn: Larae Benedetto, Branch Manager	N	0.02083333	*0.01464583	*0.00251717%	41-00086-000	Warren	Jefferson	0.0000000%	0.0000000%	0.0000000%	301 W. 3rd St.	Dover	OH	44622
5	Unleased Mineral Interest	George J. Siedel	N	0.01041667	*0.00732292	*0.00125859%	41-00086-000	Warren	Jefferson	0.0000000%	0.0000000%	0.0000000%	2809 Aspen Road	Ann Arbor	MI	48108
5	L029135000	Karen E. Braaten and Claude T. Braaten, wife and husband	Y	0.01041667	0.00732292	0.00125859%	41-00086-000	Warren	Jefferson	0.00125859%	0.00125859%	0.0000000%	3926 Hedgewood Dr.	Medina	OH	44256
5	Unleased Mineral Interest	Lillian J. Smith	N	0.01041667	*0.00732292	*0.00125859%	41-00086-000	Warren	Jefferson	0.0000000%	0.0000000%	0.0000000%	Undetermined	Undetermined	Undetermined	Undetermined
5	Unleased Mineral Interest	Betty Smith	N	0.01041667	*0.00732292	*0.00125859%	41-00086-000	Warren	Jefferson	0.0000000%	0.0000000%	0.0000000%	Undetermined	Undetermined	Undetermined	Undetermined
5	Unleased Mineral Interest	The Revocable Living Trust of Betty M. Stotlar, 2014 Attn: Dale Stotlar, Jr., Trustee	N	0.00520833	*0.00366146	*0.00062929%	41-00086-000	Warren	Jefferson	0.0000000%	0.0000000%	0.0000000%	1129 Krumroy Rd.	Akron	OH	44306
5	L030729000	Mary A. Barnhardt, a widow and not remarried	Y	0.00520833	0.00366146	0.00062929%	41-00086-000	Warren	Jefferson	0.00062929%	0.00062929%	0.0000000%	160 Glenwood Dr. SW	Concord	NC	28025
5	L030728000	David L Mapes and Pamela J. Mapes, husband and wife	Y	0.00520833	0.00366146	0.00062929%	41-00086-000	Warren	Jefferson	0.00062929%	0.00062929%	0.0000000%	7558 Mayfield Rd.	Chesterland	OH	44026
5	L030710000	Donna M. Werner, a widow and not remarried	Y	0.00520833	0.00366146	0.00062929%	41-00086-000	Warren	Jefferson	0.00062929%	0.00062929%	0.0000000%	799 Crown Ridge Rd.	Sedona	AZ	86351
5	Unleased Mineral Interest	Robert Hugh Dallas, his unknown successors, heirs and assigns	N	0.06250000	*0.04393750	*0.00755151%	41-00086-000	Warren	Jefferson	0.0000000%	0.0000000%	0.0000000%	Undetermined	Undetermined	Undetermined	Undetermined
5	L028175000	Pamela Blankinship, a widowed woman	Y	0.03125000	0.02196875	0.00377576%	41-00086-000	Warren	Jefferson	0.00377576%	0.00377576%	0.0000000%	8401 S. Kolb Rd., Unit #570	Tucson	AZ	85756
5	Unleased Mineral Interest	Tonia Platt Busby McNulty	N	0.01041667	*0.00732292	*0.00125859%	41-00086-000	Warren	Jefferson	0.0000000%	0.0000000%	0.0000000%	1535 West Thatcher Blvd., Lot 222	Safford	AZ	85546
5	L028293000	Scott E. Busby, a single man	Y	0.00520833	0.00366146	0.00062929%	41-00086-000	Warren	Jefferson	0.00062929%	0.00062929%	0.0000000%	765 W. Witt Ave.	San Tan Valley	AZ	85140
5	L028265000	Deborah A. Wellard and Thomas T. Wellard, wife and husband	Y	0.00520833	0.00366146	0.00062929%	41-00086-000	Warren	Jefferson	0.00062929%	0.00062929%	0.0000000%	2661 S. Spring Bar Way	Meridian	ID	83642
5	L028345000	Ellen R. Castellini and Robert Castellini, wife and husband	Y	0.00520833	0.00366146	0.00062929%	41-00086-000	Warren	Jefferson	0.00062929%	0.00062929%	0.0000000%	2577 S. Penrose Dr.	Gilbert	AZ	85295
5	L028346000	Diana T. Houghton and Michael Houghton, wife and husband	Y	0.00520833	0.00366146	0.00062929%	41-00086-000	Warren	Jefferson	0.00062929%	0.00062929%	0.0000000%	12719 Sweet Root Ln.	Humble	TX	77346

Exhibit A-2
All Mineral Owners in the proposed Angelo Unit

TRACT NUMBER	LEASE ID NUMBER	MINERAL OWNER	LEASED Y/N	DECIMAL INTEREST IN TRACT	SURFACE ACRES IN UNIT	TRACT PARTICIPATION IN UNIT	TAX MAP PARCEL ID	TOWNSHIP	COUNTY	COMMITTED WORKING INTEREST PERCENTAGE	GULFPORT APPALACHIA WORKING INTEREST	ASCENT RESOURCES - UTICA, LLC WORKING INTEREST	ADDRESS	CITY	STATE	ZIP
5	Unleased Mineral Interest	Thelma Dallas	N	0.06250000	*0.04393750	*0.00755151%	41-00086-000	Warren	Jefferson	0.00000000%	0.00000000%	0.00000000%	Undetermined	Undetermined	Undetermined	Undetermined
5	Unleased Mineral Interest	Hazel Dallas	N	0.06250000	*0.04393750	*0.00755151%	41-00086-000	Warren	Jefferson	0.00000000%	0.00000000%	0.00000000%	Undetermined	Undetermined	Undetermined	Undetermined
5	L028502000	Charlene M. Shephard and Mark A. Shephard, wife and husband	Y	0.12500000	0.08787500	0.01510303%	41-00086-000	Warren	Jefferson	0.01510303%	0.01510303%	0.00000000%	756 N. Sharon Dr.	Woodstock	IL	60098
6	L000507000	Nelson Wiggins and Linda Wiggins, husband and wife	Y	1.00000000	6.52900000	1.12213558%	41-00093-000	Warren	Jefferson	1.12213558%	1.12213558%	0.00000000%	1315 Trace Drive	Houston	TX	77077
7	L000506000	Albert L. Benedetti and Julia A. Benedetti, husband and wife, for their joint lives, remainder to the survivor of them	Y	1.00000000	1.51000000	0.25952286%	41-00094-000	Warren	Jefferson	0.25952286%	0.25952286%	0.00000000%	1937 Township Road 113	Rayland	OH	43943
8	L007275000	John M. Furry, Jr. and Brenda K. Furry, husband and wife	Y	0.50000000	29.66650000	5.09876477%	41-00143-000	Warren	Jefferson	5.09876477%	5.09876477%	0.00000000%	319 Central Avenue	Tiltonsville	OH	43963
8	Committed Working Interest	Heritage Resources – Utica Minerals, LLC Attn: Kristen Rogstad	Y	0.50000000	29.66650000	5.09876477%	41-00143-000	Warren	Jefferson	5.09876477%	0.00000000%	5.09876477%	P.O. Box 13580	Oklahoma City	OK	73113
9	L007275000	John M. Furry, Jr. and Brenda K. Furry, husband and wife	Y	0.50000000	6.76900000	1.16338425%	41-00143-001	Warren	Jefferson	1.16338425%	1.16338425%	0.00000000%	319 Central Avenue	Tiltonsville	OH	43963
9	Committed Working Interest	Heritage Resources – Utica Minerals, LLC Attn: Kristen Rogstad	Y	0.50000000	6.76900000	1.16338425%	41-00143-001	Warren	Jefferson	1.16338425%	0.00000000%	1.16338425%	P.O. Box 13580	Oklahoma City	OK	73113
10	L007275000	John M. Furry, Jr. and Brenda K. Furry, husband and wife	Y	0.50000000	1.79400000	0.30833378%	41-00143-002	Warren	Jefferson	0.30833378%	0.30833378%	0.00000000%	319 Central Avenue	Tiltonsville	OH	43963
10	Committed Working Interest	Heritage Resources – Utica Minerals, LLC Attn: Kristen Rogstad	Y	0.50000000	1.79400000	0.30833378%	41-00143-002	Warren	Jefferson	0.30833378%	0.00000000%	0.30833378%	P.O. Box 13580	Oklahoma City	OK	73113
11	L007142000	David M. Banal and Terri Lynn Banal a/k/a Terri L. Banal, for their joint lives, remainder to the survivor of them	Y	1.00000000	0.39700000	0.06823217%	41-01158-000	Warren	Jefferson	0.06823217%	0.06823217%	0.00000000%	7755 State Route 150	Dillonvale	OH	43917
12	L000403000	Michele L. Nemeth and Gregory L. Nemeth aka Greg Nemeth, wife and husband	Y	1.00000000	6.54000000	1.12402614%	41-00378-000	Warren	Jefferson	1.12402614%	1.12402614%	0.00000000%	PO Box 307	Rayland	OH	43943
13	Unleased Mineral Interest	Howard P. Dallas, his unknown successors, heirs and assigns	N	0.01785714	*0.02519643	*0.00433050%	41-00379-000	Warren	Jefferson	0.00000000%	0.00000000%	0.00000000%	Undetermined	Undetermined	Undetermined	Undetermined
13	L028238000	Mary D. Babcock, a single woman	Y	0.00892857	0.01259821	0.00216525%	41-00379-000	Warren	Jefferson	0.00216525%	0.00216525%	0.00000000%	19557 Cardene Way	Northville	MI	48167
13	Unleased Mineral Interest	Helen Moon Kraus	N	0.00892857	*0.01259821	*0.00216525%	41-00379-000	Warren	Jefferson	0.00000000%	0.00000000%	0.00000000%	29 Crockett Ridge Rd.	Black Mountain	NC	28711
13	Unleased Mineral Interest	Donald M. Dallas	N	0.00595238	*0.00839881	*0.00144350%	41-00379-000	Warren	Jefferson	0.00000000%	0.00000000%	0.00000000%	2125 Conestoga Rd.	Reno	NV	89521
13	Unleased Mineral Interest	Melinda D. Legge nka Mindy A. Dallas	N	0.00595238	*0.00839881	*0.00144350%	41-00379-000	Warren	Jefferson	0.00000000%	0.00000000%	0.00000000%	1080 Combination Rd.	Reno	NV	89521
13	Unleased Mineral Interest	Pamela Dallas	N	0.00595238	*0.00839881	*0.00144350%	41-00379-000	Warren	Jefferson	0.00000000%	0.00000000%	0.00000000%	1540 Carlin St.	Reno	NV	89503
13	Unleased Mineral Interest	Ethel J. Dallas Abrams, her unknown successors, heirs and assigns	N	0.01785714	*0.02519643	*0.00433050%	41-00379-000	Warren	Jefferson	0.00000000%	0.00000000%	0.00000000%	Undetermined	Undetermined	Undetermined	Undetermined
13	L028503000	Norman W. Dallas, Jr., and Linda F. Dallas, husband and wife	Y	0.00595238	0.00839881	0.00144350%	41-00379-000	Warren	Jefferson	0.00144350%	0.00144350%	0.00000000%	5445 Arbor Wood Lane	Beaumont	TX	77706
13	L028506000	Janet E. Yocom and Phillip L. Yocom, wife and husband	Y	0.00595238	0.00839881	0.00144350%	41-00379-000	Warren	Jefferson	0.00144350%	0.00144350%	0.00000000%	1157 High Street	Harrisburg	OH	43126
13	Unleased Mineral Interest	Mark E. Dallas	N	0.00595238	*0.00839881	*0.00144350%	41-00379-000	Warren	Jefferson	0.00000000%	0.00000000%	0.00000000%	1152 Pipesville Rd.	Howard	OH	43028
13	L031047000	Charles W. Buckley Jr. and Cheryl Ann Buckley, husband and wife	Y	0.01785714	0.02519643	0.00433050%	41-00379-000	Warren	Jefferson	0.00433050%	0.00433050%	0.00000000%	2075 Palo Alto Avenue	Lady Lake	FL	32159
13	Committed Working Interest	Gulfport Appalachia, LLC Attn: Bill Eischeid	N	0.00892857	0.01259821	0.00216525%	41-00379-000	Warren	Jefferson	0.00216525%	0.00216525%	0.00000000%	3001 Quail Springs Parkway	Oklahoma City	OK	73134

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13	L028501000	David H. Boston and Lori L. Boston, husband and wife	Y	0.00892857	0.01259821	0.00216525%	41-00379-000	Warren	Jefferson	0.00216525%	0.00216525%	0.0000000%	242 E. 4th St.	Tucson	AZ	85705
13	L028103000	Doris E. Calkins, a widowed woman	Y	0.00390625	0.00551172	0.00094730%	41-00379-000	Warren	Jefferson	0.00094730%	0.00094730%	0.0000000%	5008 Cable Ave.	Cheyenne	WY	82009
13	L028118000	Lois I. Ronish and Robert R. Ronish, wife and husband	Y	0.00390625	0.00551172	0.00094730%	41-00379-000	Warren	Jefferson	0.00094730%	0.00094730%	0.0000000%	3201 - 4th Ave. N	Great Falls	MT	59401
13	L028102000	Helen L. Bumgarner, a widowed woman	Y	0.00390625	0.00551172	0.00094730%	41-00379-000	Warren	Jefferson	0.00094730%	0.00094730%	0.0000000%	5311 Seslar Ave.	Cheyenne	WY	82009
13	L028092000	Carol A. Palmer and Leland Brooks Palmer, wife and husband	Y	0.00390625	0.00551172	0.00094730%	41-00379-000	Warren	Jefferson	0.00094730%	0.00094730%	0.0000000%	300 W. Carlson St., #103	Cheyenne	WY	82009
13	L028895000	Everett L. Grout and Sharon L. Grout, husband and wife	Y	0.00312500	0.00440938	0.00075784%	41-00379-000	Warren	Jefferson	0.00075784%	0.00075784%	0.0000000%	16104 - 275th Street East	Graham	WA	98338
13	L028505000	David C. Grout and Melinda K. Grout, husband and wife	Y	0.00312500	0.00440938	0.00075784%	41-00379-000	Warren	Jefferson	0.00075784%	0.00075784%	0.0000000%	9531 Forest Dell Dr.	Edmonds	WA	98020
13	L028496000	Lois M. Giles and Stephen B. Giles, wife and husband	Y	0.00312500	0.00440938	0.00075784%	41-00379-000	Warren	Jefferson	0.00075784%	0.00075784%	0.0000000%	456 Stein Ln.	Camano Island	WA	98282
13	L028498000	Donna E. Grout, a single woman	Y	0.00312500	0.00440938	0.00075784%	41-00379-000	Warren	Jefferson	0.00075784%	0.00075784%	0.0000000%	456 A, Stein Ln.	Camano Island	WA	98282
13	L028499000	Phillip J. Harvey, a widowed man	Y	0.00312500	0.00440938	0.00075784%	41-00379-000	Warren	Jefferson	0.00075784%	0.00075784%	0.0000000%	10442 Forbes Creek Dr.	Kirkland	WA	98033
13	L028240000	Janet K. Kranz and William A. Kranz, wife and husband	Y	0.00223214	0.00314955	0.00054131%	41-00379-000	Warren	Jefferson	0.00054131%	0.00054131%	0.0000000%	603 Country Club Rd.	Sauk Centre	MN	56378
13	L029022000	Frances A. Yett and Danny R. Yett, wife and husband	Y	0.00111607	0.00157478	0.00027066%	41-00379-000	Warren	Jefferson	0.00027066%	0.00027066%	0.0000000%	2670 Gem Ave.	Emmett	ID	83617
13	L030725000	Robert Earl Baumann and Stephanie Baumann, husband and wife	Y	0.00111607	0.00157478	0.00027066%	41-00379-000	Warren	Jefferson	0.00027066%	0.00027066%	0.0000000%	992 Mistletoe Loop N.	Keizer	OR	97303
13	L028204000	Geraldine A. Thomas and Robert Thomas, wife and husband	Y	0.00223214	0.00314955	0.00054131%	41-00379-000	Warren	Jefferson	0.00054131%	0.00054131%	0.0000000%	5136 Bates Street	Turner	OR	97317
13	L028495000	Thomas G. Dallas and Laurie E. Dallas, husband and wife	Y	0.00223214	0.00314955	0.00054131%	41-00379-000	Warren	Jefferson	0.00054131%	0.00054131%	0.0000000%	702 Vista Park Dr.	Eagle Point	OR	97524
13	L028187000	Edna J. Everett, a widowed woman	Y	0.00223214	0.00314955	0.00054131%	41-00379-000	Warren	Jefferson	0.00054131%	0.00054131%	0.0000000%	3166 Chandler Egan Dr.	Medford	OR	97504
13	L028277000	John L. Dallas, a single man	Y	0.00223214	0.00314955	0.00054131%	41-00379-000	Warren	Jefferson	0.00054131%	0.00054131%	0.0000000%	PO Box 16922	South Lake Tahoe	CA	96151
13	L028188000	Deborah M. Albert and Allan R. Albert, wife and husband	Y	0.00223214	0.00314955	0.00054131%	41-00379-000	Warren	Jefferson	0.00054131%	0.00054131%	0.0000000%	1006 Sherwood Ln.	Papillion	NE	68046
13	Unleased Mineral Interest	John C. Cavallaro	N	0.00390625	*0.00551172	*0.00094730%	41-00379-000	Warren	Jefferson	0.0000000%	0.0000000%	0.0000000%	4638 Live Oak Ct.	Ellicott City	MD	21043
13	L028228000	James K. Cavallaro and Elizabeth S. Cavallaro, husband and wife	Y	0.00390625	0.00551172	0.00094730%	41-00379-000	Warren	Jefferson	0.00094730%	0.00094730%	0.0000000%	4620 Alpine Dr.	Lakeland	FL	33801
13	L028211000	Karen S. Marasco and Charles M. Marasco, wife and husband	Y	0.00390625	0.00551172	0.00094730%	41-00379-000	Warren	Jefferson	0.00094730%	0.00094730%	0.0000000%	229 Branford Rd., Unit #464	North Branford	CT	06471
13	Unleased Mineral Interest	David D. Cavallaro	N	0.00390625	*0.00551172	*0.00094730%	41-00379-000	Warren	Jefferson	0.0000000%	0.0000000%	0.0000000%	121 Lydall Rd.	East Hartford	CT	06118
13	L028126000	Dean R. Dallas and Elizabeth A. Dallas, husband and wife	Y	0.00390625	0.00551172	0.00094730%	41-00379-000	Warren	Jefferson	0.00094730%	0.00094730%	0.0000000%	5580 S. Basalt Ave.	Boise	ID	83716
13	L028144000	Donald L. Dallas and Denise L. Storer Dallas, husband and wife	Y	0.00390625	0.00551172	0.00094730%	41-00379-000	Warren	Jefferson	0.00094730%	0.00094730%	0.0000000%	2485 E. Tybalt Dr.	Meridian	ID	83642
13	L028127000	Kay Marie Dallas Jewell aka Kay Dallas Jewell, a single woman	Y	0.00390625	0.00551172	0.00094730%	41-00379-000	Warren	Jefferson	0.00094730%	0.00094730%	0.0000000%	5723 Elkhorn Ave.	Boise	ID	83705
13	L028124000	The Dallas Family Trust, dated October 15th, 2016 Attn: Craig T. Dallas and Mary J. Dallas, Trustees	Y	0.00390625	0.00551172	0.00094730%	41-00379-000	Warren	Jefferson	0.00094730%	0.00094730%	0.0000000%	1759 W Oakhampton Dr.	Eagle	ID	83616

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13	Unleased Mineral Interest	Edgar N. Dallas, his unknown successors, heirs and assigns	N	0.01562500	*0.02204688	*0.00378918%	41-00379-000	Warren	Jefferson	0.00000000%	0.00000000%	0.00000000%	Undetermined	Undetermined	Undetermined	Undetermined
13	L028237000	Jerry L. Dallas and Marsha A. Dallas, husband and wife	Y	0.00390625	0.00551172	0.00094730%	41-00379-000	Warren	Jefferson	0.00094730%	0.00094730%	0.00000000%	4913 S. Peach Willow Ln.	Gilbert	AZ	85298
13	L028224000	Rodger W. Dallas and Holly I. Dallas, husband and wife	Y	0.00390625	0.00551172	0.00094730%	41-00379-000	Warren	Jefferson	0.00094730%	0.00094730%	0.00000000%	233 SE View Dr	Newport	OR	97365
13	L028326000	Wayne E. Dallas and Jeanette M. Dallas, husband and wife	Y	0.00390625	0.00551172	0.00094730%	41-00379-000	Warren	Jefferson	0.00094730%	0.00094730%	0.00000000%	826 Lakeside Dr.	Anderson	SC	29621
13	L028209000	James K. Dallas and Janet D. Dallas, husband and wife	Y	0.00390625	0.00551172	0.00094730%	41-00379-000	Warren	Jefferson	0.00094730%	0.00094730%	0.00000000%	4650 Auburn Folsom Rd.	Loomis	CA	95650
13	L028252000	Douglas M. Harlan, a widowed man	Y	0.00142045	0.00200426	0.00034447%	41-00379-000	Warren	Jefferson	0.00034447%	0.00034447%	0.00000000%	921 North 700	East Mapleton	UT	84664
13	L028492000	James R. Harlan, a single man	Y	0.00142045	0.00200426	0.00034447%	41-00379-000	Warren	Jefferson	0.00034447%	0.00034447%	0.00000000%	553 35th St. NW	Gig Harbor	WA	98335
13	L029744000	John L. Harlan, a single man	Y	0.00142045	0.00200426	0.00034447%	41-00379-000	Warren	Jefferson	0.00034447%	0.00034447%	0.00000000%	19831 Arbutus Ct.	Poulsbo	WA	98370
13	L028493000	Thomas L. Harlan and Rebecca L. Harlan, husband and wife	Y	0.00142045	0.00200426	0.00034447%	41-00379-000	Warren	Jefferson	0.00034447%	0.00034447%	0.00000000%	74711 Dillon Rd.	Desert Hot Springs	CA	92241
13	L028897000	Susan K. Skidmore and Stuart Skidmore, wife and husband	Y	0.00015783	0.00022270	0.00003827%	41-00379-000	Warren	Jefferson	0.00003827%	0.00003827%	0.00000000%	7 Mundinger Ln.	Omak	WA	98841
13	L029658000	Catherine L. Strickling, a single woman	Y	0.00015783	0.00022270	0.00003827%	41-00379-000	Warren	Jefferson	0.00003827%	0.00003827%	0.00000000%	2966 Westcove Dr.	West Valley City	UT	84119
13	L028957000	Bonnie Jean Crawford, a single woman	Y	0.00015783	0.00022270	0.00003827%	41-00379-000	Warren	Jefferson	0.00003827%	0.00003827%	0.00000000%	4313 Queen Circle	The Colony	TX	75056
13	L029301000	Lynn Arie Murry aka Lynn Marie Murray and Gregory Murray, wife and husband	Y	0.00015783	0.00022270	0.00003827%	41-00379-000	Warren	Jefferson	0.00003827%	0.00003827%	0.00000000%	3576 S. 6830 W.	West Valley City	UT	84128
13	L029520000	Martha Ann Washington and Ricky Washington, wife and husband	Y	0.00015783	0.00022270	0.00003827%	41-00379-000	Warren	Jefferson	0.00003827%	0.00003827%	0.00000000%	305 S. 3rd. St.	Wylie	TX	75098
13	L029660000	Richard S. Casteel, a single man	Y	0.00015783	0.00022270	0.00003827%	41-00379-000	Warren	Jefferson	0.00003827%	0.00003827%	0.00000000%	23719 Stottlemeyer Rd NE	Poulsbo	WA	98370
13	L029019000	Deborah K. Mullins, a single woman	Y	0.00015783	0.00022270	0.00003827%	41-00379-000	Warren	Jefferson	0.00003827%	0.00003827%	0.00000000%	400 Flower Meadows St.	Port Orchard	WA	98366
13	L029014000	Marie L. Schruhl and Daryl Schruhl, wife and husband	Y	0.00015783	0.00022270	0.00003827%	41-00379-000	Warren	Jefferson	0.00003827%	0.00003827%	0.00000000%	8984 Nels Nelson Rd NW	Bremerton	WA	98311
13	L028959000	Donald R. Casteel and Linda Casteel, husband and wife	Y	0.00015783	0.00022270	0.00003827%	41-00379-000	Warren	Jefferson	0.00003827%	0.00003827%	0.00000000%	PO Box 1463	Belfair	WA	98528
13	L028231000	Diana Millsap, a widowed woman	Y	0.00142045	0.00200426	0.00034447%	41-00379-000	Warren	Jefferson	0.00034447%	0.00034447%	0.00000000%	P.O. Box 483	Bear River City	UT	84301
13	L028229000	Linda L. Watry and William E. Watry, wife and husband	Y	0.00142045	0.00200426	0.00034447%	41-00379-000	Warren	Jefferson	0.00034447%	0.00034447%	0.00000000%	2208 Mugho Pl.	Loveland	CO	80538
13	L028239000	Marion S. Kennedy aka Marian S. Kennedy, a widowed woman	Y	0.00142045	0.00200426	0.00034447%	41-00379-000	Warren	Jefferson	0.00034447%	0.00034447%	0.00000000%	2135 E. 21st St.	Bremerton	WA	98310
13	L028490000	Ralph R. Edenholm, a single man	Y	0.00047348	0.00066809	0.00011482%	41-00379-000	Warren	Jefferson	0.00011482%	0.00011482%	0.00000000%	2744 Sutherland Pl.	Steilacoom	WA	98388
13	L028489000	Cory E. Snider and Ryoko Snider, husband and wife	Y	0.00031566	0.00044539	0.00007655%	41-00379-000	Warren	Jefferson	0.00007655%	0.00007655%	0.00000000%	#1 - 75th St. NW	Everett	WA	98203
13	L028488000	Michelle L. Cox and C. Nathan Cox, wife and husband	Y	0.00031566	0.00044539	0.00007655%	41-00379-000	Warren	Jefferson	0.00007655%	0.00007655%	0.00000000%	462 S. Grand Oaks Dr.	Fruit Heights	UT	84037
13	L029117000	Renae K. Snider, a single woman	Y	0.00031566	0.00044539	0.00007655%	41-00379-000	Warren	Jefferson	0.00007655%	0.00007655%	0.00000000%	1909 S 1100 W	Syracuse	UT	84075
13	L028494000	Jeanne Halper, a single woman	Y	0.00142045	0.00200426	0.00034447%	41-00379-000	Warren	Jefferson	0.00034447%	0.00034447%	0.00000000%	1215 W. Slaughter Ln., #2511	Austin	TX	78748

Exhibit A-2
All Mineral Owners in the proposed Angelo Unit

TRACT NUMBER	LEASE ID NUMBER	MINERAL OWNER	LEASED Y/N	DECIMAL INTEREST IN TRACT	SURFACE ACRES IN UNIT	TRACT PARTICIPATION IN UNIT	TAX MAP PARCEL ID	TOWNSHIP	COUNTY	COMMITTED WORKING INTEREST PERCENTAGE	GULFPORT APPALACHIA WORKING INTEREST	ASCENT RESOURCES - UTICA, LLC WORKING INTEREST	ADDRESS	CITY	STATE	ZIP
13	L028491000	Cynthia L. Harlan, a single woman	Y	0.00142045	0.00200426	0.00034447%	41-00379-000	Warren	Jefferson	0.00034447%	0.00034447%	0.0000000%	711 W. Summit St.	Lead	SD	57754
13	Unleased Mineral Interest	Nettie M. Gates	N	0.06250000	*0.08818750	*0.01515674%	41-00379-000	Warren	Jefferson	0.0000000%	0.0000000%	0.0000000%	Undetermined	Undetermined	Undetermined	Undetermined
13	Unleased Mineral Interest	The Audre G. & Evelyn M. Blair Revocable Trust, dated March 23, 2000 Attn: Robert W. Blair, Successor Trustee	N	0.06250000	*0.08818750	*0.01515674%	41-00379-000	Warren	Jefferson	0.0000000%	0.0000000%	0.0000000%	14515 Bass Lake Rd.	Newbury	OH	44065
13	L028504000	Walton M. Dallas Jr. Living Trust, dated January 17th, 2012 Attn: Walton M. Dallas, Jr., Trustee	Y	0.03125000	0.04409375	0.00757837%	41-00379-000	Warren	Jefferson	0.00757837%	0.00757837%	0.0000000%	1400 N. Eagle Ln.	Oklahoma City	OK	73127
13	L028505000	Joanne E. Dallas, a single woman	Y	0.03125000	0.04409375	0.00757837%	41-00379-000	Warren	Jefferson	0.00757837%	0.00757837%	0.0000000%	7739 Chalkstone Dr.	Dallas	TX	75248
13	L030726000	Sandra Sue Dallas, a single woman	Y	0.02083333	0.02939583	0.00505225%	41-00379-000	Warren	Jefferson	0.00505225%	0.00505225%	0.0000000%	48549 Highway 101, SPC 4	Bandon	OR	97411-6208
13	L030727000	JaDene S. Jones and Jeffrey D. Jones, wife and husband	Y	0.01041667	0.01469792	0.00252612%	41-00379-000	Warren	Jefferson	0.00252612%	0.00252612%	0.0000000%	1681 Halverson Ct.	Folsom	CA	95630-7350
13	Unleased Mineral Interest	Jane Lonsberry	N	0.01041667	*0.01469792	*0.00252612%	41-00379-000	Warren	Jefferson	0.0000000%	0.0000000%	0.0000000%	223 E. Mill St., Apt.1	Orland	CA	95963-1977
13	L029137000	Elaine S. Dallas, a widowed woman	Y	0.02083333	0.02939583	0.00505225%	41-00379-000	Warren	Jefferson	0.00505225%	0.00505225%	0.0000000%	93199 Luscombe Loop	Coos Bay	OR	97420
13	L031064000	Marvin A. Johnson and Joyce A. Johnson, husband and wife	Y	0.00520833	0.00734896	0.00126306%	41-00379-000	Warren	Jefferson	0.00126306%	0.00126306%	0.0000000%	3060 N Ridgecrest, Unit 181	Mesa	AZ	85207
13	L031101000	Carol L. Grover, a single woman	Y	0.00520833	0.00734896	0.00126306%	41-00379-000	Warren	Jefferson	0.00126306%	0.00126306%	0.0000000%	272 Thwing Rd.	Chardon	OH	44024
13	Unleased Mineral Interest	Kay E. Hering	N	0.00520833	*0.00734896	*0.00126306%	41-00379-000	Warren	Jefferson	0.0000000%	0.0000000%	0.0000000%	13900 Hale Rd.	Burton	OH	44021
13	Unleased Mineral Interest	Melinda Rae Baty	N	0.00520833	*0.00734896	*0.00126306%	41-00379-000	Warren	Jefferson	0.0000000%	0.0000000%	0.0000000%	919 Franklin Ave.	Fremont	OH	43420
13	L029642000	Kim A. Kamin and David Kamin, wife and husband	Y	0.00520833	0.00734896	0.00126306%	41-00379-000	Warren	Jefferson	0.00126306%	0.00126306%	0.0000000%	3820 London Ln.	Richland Hills	TX	76118
13	Unleased Mineral Interest	Michael D. Lotz	N	0.00520833	*0.00734896	*0.00126306%	41-00379-000	Warren	Jefferson	0.0000000%	0.0000000%	0.0000000%	1007 S. Bridgeport Pl.	Sioux Falls	SD	57106-3465
13	L031062000	Thomas J. Michie Jr., a single man, by and through his Attorney-in-Fact, George R. Michie	Y	0.00520833	0.00734896	0.00126306%	41-00379-000	Warren	Jefferson	0.00126306%	0.00126306%	0.0000000%	6025 Summerfield Farm Lane	Charlottesville	VA	22903
13	Unleased Mineral Interest	Allison Shrank Babcock	N	0.00520833	*0.00734896	*0.00126306%	41-00379-000	Warren	Jefferson	0.0000000%	0.0000000%	0.0000000%	17 Bluff Point Rd.	Sag Harbor	NY	11963
13	Unleased Mineral Interest	JP Morgan Chase Bank fka The Peoples National Bank and Trust Company fka The National Bank of Dover Attn: Larae Benedetto, Branch Manager	N	0.02083333	*0.02939583	*0.00505225%	41-00379-000	Warren	Jefferson	0.0000000%	0.0000000%	0.0000000%	301 W. 3rd St.	Dover	OH	44622
13	Unleased Mineral Interest	George J. Siedel	N	0.01041667	*0.01469792	*0.00252612%	41-00379-000	Warren	Jefferson	0.0000000%	0.0000000%	0.0000000%	2809 Aspen Road	Ann Arbor	MI	48108
13	L029135000	Karen E. Braaten and Claude T. Braaten, wife and husband	Y	0.01041667	0.01469792	0.00252612%	41-00379-000	Warren	Jefferson	0.00252612%	0.00252612%	0.0000000%	3926 Hedgewood Dr.	Medina	OH	44256
13	Unleased Mineral Interest	Lillian J. Smith	N	0.01041667	*0.01469792	*0.00252612%	41-00379-000	Warren	Jefferson	0.0000000%	0.0000000%	0.0000000%	Undetermined	Undetermined	Undetermined	Undetermined
13	Unleased Mineral Interest	Betty Smith	N	0.01041667	*0.01469792	*0.00252612%	41-00379-000	Warren	Jefferson	0.0000000%	0.0000000%	0.0000000%	Undetermined	Undetermined	Undetermined	Undetermined
13	Unleased Mineral Interest	The Revocable Living Trust of Betty M. Stotlar, 2014 Attn: Dale Stotlar, Jr., Trustee	N	0.00520833	*0.00734896	*0.00126306%	41-00379-000	Warren	Jefferson	0.0000000%	0.0000000%	0.0000000%	1129 Krumroy Rd.	Akron	OH	44306
13	L030729000	Mary A. Barnhardt, a widow and not remarried	Y	0.00520833	0.00734896	0.00126306%	41-00379-000	Warren	Jefferson	0.00126306%	0.00126306%	0.0000000%	160 Glenwood Dr. SW	Concord	NC	28025
13	L030728000	David L. Mapes and Pamela J. Mapes, husband and wife	Y	0.00520833	0.00734896	0.00126306%	41-00379-000	Warren	Jefferson	0.00126306%	0.00126306%	0.0000000%	7558 Mayfield Rd.	Chesterland	OH	44026

Exhibit A-2
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TRACT NUMBER	LEASE ID NUMBER	MINERAL OWNER	LEASED Y/N	DECIMAL INTEREST IN TRACT	SURFACE ACRES IN UNIT	TRACT PARCIPATIO N IN UNIT	TAX MAP PARCEL ID	TOWNSHIP	COUNTY	COMMITTED WORKING INTEREST PERCENTAGE	GULFPORT APPALACHIA WORKING INTEREST	ASCENT RESOURCES - UTICA, LLC WORKING INTEREST	ADDRESS	CITY	STATE	ZIP
13	L030710000	Donna M. Werner, a widow and not remarried	Y	0.00520833	0.00734896	0.00126306%	41-00379-000	Warren	Jefferson	0.00126306%	0.00126306%	0.0000000%	799 Crown Ridge Rd.	Sedona	AZ	86351
13	Unleased Mineral Interest	Robert Hugh Dallas, his unknown successors, heirs and assigns	N	0.06250000	*0.08818750	*0.01515674%	41-00379-000	Warren	Jefferson	0.0000000%	0.0000000%	0.0000000%	Undetermined	Undetermined	Undetermined	Undetermined
13	L028175000	Pamela Blankinship, a widowed woman	Y	0.03125000	0.04409375	0.00757837%	41-00379-000	Warren	Jefferson	0.00757837%	0.00757837%	0.0000000%	8401 S. Kolb Rd., Unit #570	Tucson	AZ	85756
13	Unleased Mineral Interest	Tonia Platt Busby McNulty	N	0.01041667	*0.01469792	*0.00252612%	41-00379-000	Warren	Jefferson	0.0000000%	0.0000000%	0.0000000%	1535 West Thatcher Blvd., Lot 222	Safford	AZ	85546
13	L028293000	Scott E. Busby, a single man	Y	0.00520833	0.00734896	0.00126306%	41-00379-000	Warren	Jefferson	0.00126306%	0.00126306%	0.0000000%	765 W. Witt Ave.	San Tan Valley	AZ	85140
13	L028265000	Deborah A. Wellard and Thomas T. Wellard, wife and husband	Y	0.00520833	0.00734896	0.00126306%	41-00379-000	Warren	Jefferson	0.00126306%	0.00126306%	0.0000000%	2661 S. Spring Bar Way	Meridian	ID	83642
13	L028345000	Ellen R. Castellini and Robert Castellini, wife and husband	Y	0.00520833	0.00734896	0.00126306%	41-00379-000	Warren	Jefferson	0.00126306%	0.00126306%	0.0000000%	2577 S. Penrose Dr.	Gilbert	AZ	85295
13	L028346000	Diana T. Houghton and Michael Houghton, wife and husband	Y	0.00520833	0.00734896	0.00126306%	41-00379-000	Warren	Jefferson	0.00126306%	0.00126306%	0.0000000%	12719 Sweet Root Ln.	Humble	TX	77346
13	Unleased Mineral Interest	Thelma Dallas	N	0.06250000	*0.08818750	*0.01515674%	41-00379-000	Warren	Jefferson	0.0000000%	0.0000000%	0.0000000%	Undetermined	Undetermined	Undetermined	Undetermined
13	Unleased Mineral Interest	Hazel Dallas	N	0.06250000	*0.08818750	*0.01515674%	41-00379-000	Warren	Jefferson	0.0000000%	0.0000000%	0.0000000%	Undetermined	Undetermined	Undetermined	Undetermined
13	L028502000	Charlene M. Shephard and Mark A. Shephard, wife and husband	Y	0.12500000	0.17637500	0.03031347%	41-00379-000	Warren	Jefferson	0.03031347%	0.03031347%	0.0000000%	756 N. Sharon Dr.	Woodstock	IL	60098
14	L000403000	Michele L. Nemeth and Gregory L. Nemeth aka Greg Nemeth, wife and husband	Y	1.00000000	0.75500000	0.12976143%	41-00380-000	Warren	Jefferson	0.12976143%	0.12976143%	0.0000000%	PO Box 307	Rayland	OH	43943
15	L000443000	Kurt Kemo, a single man	Y	0.50000000	0.32700000	0.05620131%	41-00593-000	Warren	Jefferson	0.05620131%	0.05620131%	0.0000000%	852 Main Street	Wintersville	OH	43953
15	L004105000	Harry Nelson Crichton and Mary Beth Crichton, husband and wife	Y	0.50000000	0.32700000	0.05620131%	41-00593-000	Warren	Jefferson	0.05620131%	0.05620131%	0.0000000%	679 River Oaks Circle	Pawleys Island	SC	29585
16	L004105000	Mary Beth Crichton	Y	0.50000000	0.02450000	0.00421080%	41-00595-000	Warren	Jefferson	0.00421080%	0.00421080%	0.0000000%	679 River Oaks Circle	Pawleys Island	SC	29585
16	L000443000	Kurt Kemo, a single man	Y	0.50000000	0.02450000	0.00421080%	41-00595-000	Warren	Jefferson	0.00421080%	0.00421080%	0.0000000%	852 Main Street	Wintersville	OH	43953
17	Committed Working Interest	Corey A. Petrosino and Beth Ann Petrosino, husband and wife	Y	1.00000000	22.51000000	3.86878112%	41-00695-000	Warren	Jefferson	3.86878112%	0.0000000%	3.86878112%	9009 SR 150	Rayland	OH	43943
18	L026694000	Raymond Hewitt and Judith Hewitt, husband and wife	Y	1.00000000	0.30500000	0.05242018%	41-00695-001	Warren	Jefferson	0.05242018%	0.05242018%	0.0000000%	318 Bay View Drive	Bumpus Mills	TN	37028
19	L000424000	Derek R. Baker, a single man	Y	1.00000000	0.06800000	0.01168712%	41-00701-000	Warren	Jefferson	0.01168712%	0.01168712%	0.0000000%	PO Box 192	Mt. Pleasant	OH	43939
20	L000705000	Frank T. Litva, a single man	Y	1.00000000	1.67300000	0.28753757%	41-00756-000	Warren	Jefferson	0.28753757%	0.28753757%	0.0000000%	10446 State Route 150	Rayland	OH	43943
21	L002247000	Angelo L. DiLuzio, Trustee	Y	1.00000000	55.15300000	9.47911528%	41-00879-000	Warren	Jefferson	9.47911528%	9.47911528%	0.0000000%	112 Park Street	Yorkville	OH	43971
22	L000399000	Ricardo R. Leoni	Y	0.50000000	21.98550000	3.77863560%	41-00918-000	Warren	Jefferson	3.77863560%	3.77863560%	0.0000000%	102 Branton Dr.	Layette	LA	70508
22	L000399000	Marianna R. Lindstrom	Y	0.50000000	21.98550000	3.77863560%	41-00918-000	Warren	Jefferson	3.77863560%	3.77863560%	0.0000000%	9601 Wilshire Blvd., Suite 1175	Beverly Hills	CA	90210
23	L002247000	Angelo L. DiLuzio, Trustee	Y	1.00000000	3.74100000	0.64296358%	41-00918-001	Warren	Jefferson	0.64296358%	0.64296358%	0.0000000%	112 Park Street	Yorkville	OH	43971
24A	L003725000	Ascent Utica Minerals, LLC Attn: Kade R. Smith	Y	0.50000000	15.10550000	2.59617384%	41-00991-000	Warren	Jefferson	2.59617384%	2.59617384%	0.0000000%	3501 NW 63rd Street	Oklahoma City	OK	73116
24A	Committed Working Interest	Greg Cesario and Tammy D. Cesario, husband and wife	Y	0.50000000	15.10550000	2.59617384%	41-00991-000	Warren	Jefferson	2.59617384%	2.59617384%	4101 Mountain Road	Haymarket	VA	20169	

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24B	L003725000	Ascent Utica Minerals, LLC Attn: Kade R. Smith	Y	1.00000000	0.94700000	0.16276036%	41-00991-000	Warren	Jefferson	0.16276036%	0.16276036%	0.0000000%	3501 NW 63rd Street	Oklahoma City	OK	73116
25	Committed Working Interest	Jeffrey M. Monforton, Bishop of Steubenville	Y	1.00000000	0.99800000	0.17152570%	41-01190-000	Warren	Jefferson	0.17152570%	0.0000000%	0.17152570%	P.O. Box 969	Steubenville	OH	43952
26	L009441000	Patricia A. McConn and Michael D. McConn, wife and husband	Y	0.50000000	0.24850000	0.04270956%	41-01273-000	Warren	Jefferson	0.04270956%	0.04270956%	0.0000000%	47968 Township Road 2207	Clarington	OH	43915
26	L026769000	Dorothy K. Olenick and Vincent P. Olenick, wife and husband	Y	0.50000000	0.24850000	0.04270956%	41-01273-000	Warren	Jefferson	0.04270956%	0.04270956%	0.0000000%	2532 State Route 152	Dillonvale	OH	43917
27	Unleased Mineral Interest	Virginia Holding Corporation Attn: Ann S. Powell, Norfolk Southern Real Estate Department	N	1.00000000	*1.22700000	*0.21088380%	41-01369-000	Warren	Jefferson	0.0000000%	0.0000000%	0.0000000%	1200 Peachtree St., 12th Floor	Atlanta	GA	30309
28A	Unleased Mineral Interest	Wyoming Pocahontas Land Co. fka Youghiogheny and Ohio Coal Company Attn: Sandra D. Freeburger	N	1.00000000	*0.11800000	*0.02028059%	41-01446-000	Warren	Jefferson	0.0000000%	0.0000000%	0.0000000%	101 First Street	Henderson	KY	42420
28B	L029201000	George R. Robinson and Barbara Robinson, husband and wife, for their joint lives, remainder to the survivor of them	Y	1.00000000	0.20500000	0.03523324%	41-01446-000	Warren	Jefferson	0.03523324%	0.03523324%	0.0000000%	5124 County Road 1	Rayland	OH	43943
29	L031092000	George K. Pernick and Norma J. Pernick, husband and wife	Y	1.00000000	2.47100000	0.42468939%	41-02599-000	Warren	Jefferson	0.42468939%	0.42468939%	0.0000000%	42 Township Road 112	Rayland	OH	43943
30	L000424000	Derek R. Baker, a single man	Y	1.00000000	0.28800000	0.04949840%	41-02157-000	Warren	Jefferson	0.04949840%	0.04949840%	0.0000000%	PO Box 192	Mt. Pleasant	OH	43939
31	L030738000	Carolyn B. Piergallini and Lawrence T. Piergallini, wife and husband	Y	1.00000000	1.19100000	0.20469650%	41-02157-003	Warren	Jefferson	0.20469650%	0.20469650%	0.0000000%	1230 County Rd. 10	Dillonvale	OH	43917
32	L007461000	John F. Becca and Pamela K. Becca, husband and wife, for their joint lives, remainder to the survivor of them	Y	1.00000000	6.58300000	1.13141653%	41-02169-000	Warren	Jefferson	1.13141653%	1.13141653%	0.0000000%	2132 Township Road 113	Rayland	OH	43943
33	L002304000	Larry R. Boroski and Wilma E. Boroski, husband and wife	Y	1.00000000	17.35500000	2.98279415%	41-02248-000	Warren	Jefferson	2.98279415%	2.98279415%	0.0000000%	2285 Township Road 113	Rayland	OH	43943
34	L002247000	Angelo L. DiLuzio and Karen DiLuzio, husband and wife	Y	0.66666667	2.24866667	0.38647708%	41-02269-000	Warren	Jefferson	0.38647708%	0.38647708%	0.0000000%	112 Park Street	Yorkville	OH	43971
34	L002247000	Angelo L. DiLuzio, Trustee	Y	0.33333333	1.12433333	0.19323854%	41-02269-000	Warren	Jefferson	0.19323854%	0.19323854%	0.0000000%	112 Park Street	Yorkville	OH	43971
35A	L030231000	Eugene A. Hetson and Josefina P. Hetson, husband and wife	Y	0.50000000	21.29550000	3.66004568%	41-02289-000	Warren	Jefferson	3.66004568%	3.66004568%	0.0000000%	645 Star Drive	Uniontown	OH	44685
35A	L030229000	Mar Resources, LLC Attn: Todd Jenkins, Member	Y	0.12500000	5.32387500	0.91501142%	41-02289-000	Warren	Jefferson	0.91501142%	0.91501142%	0.0000000%	121 Village Blvd.	Madison	MS	39110
35A	L030228000	Rawls Energy, LLC Attn: James H. Rawls, Member	Y	0.17625000	7.50666375	1.29016610%	41-02289-000	Warren	Jefferson	1.29016610%	1.29016610%	0.0000000%	P. O. Box 2238	Ridgeland	MS	39158
35A	L030230000	Geo-Pro, LLC Attn: Robert R. Ward, Member	Y	0.12375000	5.27063625	0.90586131%	41-02289-000	Warren	Jefferson	0.90586131%	0.90586131%	0.0000000%	P. O. Box 5098	Brandon	MS	39047
35A	L030225000	Frank A. Perkins and Frances B. Perkins, Husband and Wife	Y	0.07500000	3.19432500	0.54900685%	41-02289-000	Warren	Jefferson	0.54900685%	0.54900685%	0.0000000%	941 Luckney Road	Brandon	MS	39047
35B	Unleased Mineral Interest	Howard P. Dallas, his unknown successors, heirs and assigns	N	0.01785714	*0.04166071	*0.00716020%	41-02289-000	Warren	Jefferson	0.0000000%	0.0000000%	0.0000000%	Undetermined	Undetermined	Undetermined	Undetermined
35B	L028238000	Mary D. Babcock, a single woman	Y	0.00892857	0.02083036	0.00358010%	41-02289-000	Warren	Jefferson	0.00358010%	0.00358010%	0.0000000%	19557 Cardene Way	Northville	MI	48167
35B	Unleased Mineral Interest	Helen Moon Kraus	N	0.00892857	*0.02083036	*0.00358010%	41-02289-000	Warren	Jefferson	0.0000000%	0.0000000%	0.0000000%	29 Crockett Ridge Rd.	Black Mountain	NC	28711
35B	Unleased Mineral Interest	Donald M. Dallas	N	0.00595238	*0.01388690	*0.00238673%	41-02289-000	Warren	Jefferson	0.0000000%	0.0000000%	0.0000000%	2125 Conestoga Rd.	Reno	NV	89521
35B	Unleased Mineral Interest	Melinda D. Legge nka Mindy A. Dallas	N	0.00595238	*0.01388690	*0.00238673%	41-02289-000	Warren	Jefferson	0.0000000%	0.0000000%	0.0000000%	1080 Combination Rd.	Reno	NV	89521
35B	Unleased Mineral Interest	Pamela Dallas	N	0.00595238	*0.01388690	*0.00238673%	41-02289-000	Warren	Jefferson	0.0000000%	0.0000000%	0.0000000%	1540 Carlin St.	Reno	NV	89503

Exhibit A-2
All Mineral Owners in the proposed Angelo Unit

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35B	Unleased Mineral Interest	Ethel J. Dallas Abrams, her unknown successors, heirs and assigns	N	0.01785714	*0.04166071	*0.00716020%	41-02289-000	Warren	Jefferson	0.00000000%	0.00000000%	0.00000000%	Undetermined	Undetermined	Undetermined	Undetermined
35B	L028503000	Norman W. Dallas, Jr., and Linda F. Dallas, husband and wife	Y	0.00595238	0.01388690	0.00238673%	41-02289-000	Warren	Jefferson	0.00238673%	0.00238673%	0.00000000%	5445 Arbor Wood Lane	Beaumont	TX	77706
35B	L028506000	Janet E. Yocom and Phillip L. Yocom, wife and husband	Y	0.00595238	0.01388690	0.00238673%	41-02289-000	Warren	Jefferson	0.00238673%	0.00238673%	0.00000000%	1157 High Street	Harrisburg	OH	43126
35B	Unleased Mineral Interest	Mark E. Dallas	N	0.00595238	*0.01388690	*0.00238673%	41-02289-000	Warren	Jefferson	0.00000000%	0.00000000%	0.00000000%	11527 Pipesville Rd.	Howard	OH	43028
35B	L031047000	Charles W. Buckley Jr. and Cheryl Ann Buckley, husband and wife	Y	0.01785714	0.04166071	0.00716020%	41-02289-000	Warren	Jefferson	0.00716020%	0.00716020%	0.00000000%	2075 Palo Alto Avenue	Lady Lake	FL	32159
35B	Committed Working Interest	Gulfport Appalachia, LLC Attn: Bill Eischeid	N	0.00892857	0.02083036	0.00358010%	41-02289-000	Warren	Jefferson	0.00358010%	0.00358010%	0.00000000%	3001 Quail Springs Parkway	Oklahoma City	OK	73134
35B	L028501000	David H. Boston and Lori L. Boston, husband and wife	Y	0.00892857	0.02083036	0.00358010%	41-02289-000	Warren	Jefferson	0.00358010%	0.00358010%	0.00000000%	242 E. 4th St.	Tucson	AZ	85705
35B	L028103000	Doris E. Calkins, a widowed woman	Y	0.00390625	0.00911328	0.00156629%	41-02289-000	Warren	Jefferson	0.00156629%	0.00156629%	0.00000000%	5008 Cable Ave.	Cheyenne	WY	82009
35B	L028118000	Lois I. Ronish and Robert R. Ronish, wife and husband	Y	0.00390625	0.00911328	0.00156629%	41-02289-000	Warren	Jefferson	0.00156629%	0.00156629%	0.00000000%	3201 - 4th Ave. N	Great Falls	MT	59401
35B	L028102000	Helen L. Bumgarner, a widowed woman	Y	0.00390625	0.00911328	0.00156629%	41-02289-000	Warren	Jefferson	0.00156629%	0.00156629%	0.00000000%	5311 Seslar Ave.	Cheyenne	WY	82009
35B	L028092000	Carol A. Palmer and Leland Brooks Palmer, wife and husband	Y	0.00390625	0.00911328	0.00156629%	41-02289-000	Warren	Jefferson	0.00156629%	0.00156629%	0.00000000%	300 W. Carlson St., #103	Cheyenne	WY	82009
35B	L028895000	Everett L. Grout and Sharon L. Grout, husband and wife	Y	0.00312500	0.00729063	0.00125304%	41-02289-000	Warren	Jefferson	0.00125304%	0.00125304%	0.00000000%	16104 - 275th Street East	Graham	WA	98338
35B	L028505000	David C. Grout and Melinda K. Grout, husband and wife	Y	0.00312500	0.00729063	0.00125304%	41-02289-000	Warren	Jefferson	0.00125304%	0.00125304%	0.00000000%	9531 Forest Dell Dr.	Edmonds	WA	98020
35B	L028496000	Lois M. Giles and Stephen B. Giles, wife and husband	Y	0.00312500	0.00729063	0.00125304%	41-02289-000	Warren	Jefferson	0.00125304%	0.00125304%	0.00000000%	456 Stein Ln.	Camano Island	WA	98282
35B	L028498000	Donna E. Grout, a single woman	Y	0.00312500	0.00729063	0.00125304%	41-02289-000	Warren	Jefferson	0.00125304%	0.00125304%	0.00000000%	456 A, Stein Ln.	Camano Island	WA	98282
35B	L028499000	Phillip J. Harvey, a widowed man	Y	0.00312500	0.00729063	0.00125304%	41-02289-000	Warren	Jefferson	0.00125304%	0.00125304%	0.00000000%	10442 Forbes Creek Dr.	Kirkland	WA	98033
35B	L028240000	Janet K. Kranz and William A. Kranz, wife and husband	Y	0.00223214	0.00502759	0.00089503%	41-02289-000	Warren	Jefferson	0.00089503%	0.00089503%	0.00000000%	603 Country Club Rd.	Sauk Centre	MN	56378
35B	L029022000	Frances A. Yett and Danny R. Yett, wife and husband	Y	0.00111607	0.00260379	0.00044751%	41-02289-000	Warren	Jefferson	0.00044751%	0.00044751%	0.00000000%	2670 Gem Ave.	Emmett	ID	83617
35B	L030725000	Robert Earl Baumann and Stephanie Baumann, husband and wife	Y	0.00111607	0.00260379	0.00044751%	41-02289-000	Warren	Jefferson	0.00044751%	0.00044751%	0.00000000%	992 Mistletoe Loop N.	Keizer	OR	97303
35B	L028204000	Geraldine A. Thomas and Robert Thomas, wife and husband	Y	0.00223214	0.00502759	0.00089503%	41-02289-000	Warren	Jefferson	0.00089503%	0.00089503%	0.00000000%	5136 Bates Street	Turner	OR	97317
35B	L028495000	Thomas G. Dallas and Laurie E. Dallas, husband and wife	Y	0.00223214	0.00502759	0.00089503%	41-02289-000	Warren	Jefferson	0.00089503%	0.00089503%	0.00000000%	702 Vista Park Dr.	Eagle Point	OR	97524
35B	L028187000	Edna J. Everett, a widowed woman	Y	0.00223214	0.00520759	0.00089503%	41-02289-000	Warren	Jefferson	0.00089503%	0.00089503%	0.00000000%	3166 Chandler Egan Dr.	Medford	OR	97504
35B	L028277000	John L. Dallas, a single man	Y	0.00223214	0.00520759	0.00089503%	41-02289-000	Warren	Jefferson	0.00089503%	0.00089503%	0.00000000%	PO Box 16922	South Lake Tahoe	CA	96151
35B	L028188000	Deborah M. Albert and Allan R. Albert, wife and husband	Y	0.00223214	0.00520759	0.00089503%	41-02289-000	Warren	Jefferson	0.00089503%	0.00089503%	0.00000000%	1006 Sherwood Ln.	Papillion	NE	68046
35B	Unleased Mineral Interest	John C. Cavallaro	N	0.00390625	*0.00911328	*0.00156629%	41-02289-000	Warren	Jefferson	0.00000000%	0.00000000%	0.00000000%	4638 Live Oak Ct.	Ellicott City	MD	21043
35B	L028228000	James K. Cavallaro and Elizabeth S. Cavallaro, husband and wife	Y	0.00390625	0.00911328	0.00156629%	41-02289-000	Warren	Jefferson	0.00156629%	0.00156629%	0.00000000%	4620 Alpine Dr.	Lakeland	FL	33801

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35B	L028211000	Karen S. Marasco and Charles M. Marasco, wife and husband	Y	0.00390625	0.00911328	0.00156629%	41-02289-000	Warren	Jefferson	0.00156629%	0.00156629%	0.0000000%	229 Branford Rd., Unit #464	North Branford	CT	06471
35B	Unleased Mineral Interest	David D. Cavallaro	N	0.00390625	*0.00911328	*0.00156629%	41-02289-000	Warren	Jefferson	0.0000000%	0.0000000%	0.0000000%	121 Lydall Rd.	East Hartford	CT	06118
35B	L028126000	Dean R. Dallas and Elizabeth A. Dallas, husband and wife	Y	0.00390625	0.00911328	0.00156629%	41-02289-000	Warren	Jefferson	0.00156629%	0.00156629%	0.0000000%	5580 S. Basalt Ave.	Boise	ID	83716
35B	L028144000	Donald L. Dallas and Denise L. Storer Dallas, husband and wife	Y	0.00390625	0.00911328	0.00156629%	41-02289-000	Warren	Jefferson	0.00156629%	0.00156629%	0.0000000%	2485 E. Tybalt Dr.	Meridian	ID	83642
35B	L028127000	Kay Marie Dallas Jewell aka Kay Dallas Jewell, a single woman	Y	0.00390625	0.00911328	0.00156629%	41-02289-000	Warren	Jefferson	0.00156629%	0.00156629%	0.0000000%	5723 Elkhorn Ave.	Boise	ID	83705
35B	L028124000	The Dallas Family Trust, dated October 15th, 2016 Attn: Craig T. Dallas and Mary J. Dallas, Trustees	Y	0.00390625	0.00911328	0.00156629%	41-02289-000	Warren	Jefferson	0.00156629%	0.00156629%	0.0000000%	1759 W Oakhampton Dr.	Eagle	ID	83616
35B	Unleased Mineral Interest	Edgar N. Dallas, his unknown successors, heirs and assigns	N	0.01562500	*0.03645313	*0.00626518%	41-02289-000	Warren	Jefferson	0.0000000%	0.0000000%	0.0000000%	Undetermined	Undetermined	Undetermined	Undetermined
35B	L028237000	Jerry L. Dallas and Marsha A. Dallas, husband and wife	Y	0.00390625	0.00911328	0.00156629%	41-02289-000	Warren	Jefferson	0.00156629%	0.00156629%	0.0000000%	4913 S. Peach Willow Ln.	Gilbert	AZ	85298
35B	L028224000	Rodger W. Dallas and Holly I. Dallas, husband and wife	Y	0.00390625	0.00911328	0.00156629%	41-02289-000	Warren	Jefferson	0.00156629%	0.00156629%	0.0000000%	233 SE View Dr	Newport	OR	97365
35B	L028326000	Wayne E. Dallas and Jeanette M. Dallas, husband and wife	Y	0.00390625	0.00911328	0.00156629%	41-02289-000	Warren	Jefferson	0.00156629%	0.00156629%	0.0000000%	826 Lakeside Dr.	Anderson	SC	29621
35B	L028209000	James K. Dallas and Janet D. Dallas, husband and wife	Y	0.00390625	0.00911328	0.00156629%	41-02289-000	Warren	Jefferson	0.00156629%	0.00156629%	0.0000000%	4650 Auburn Folsom Rd.	Loomis	CA	95650
35B	L028252000	Douglas M. Harlan, a widowed man	Y	0.00142045	0.00331392	0.00056956%	41-02289-000	Warren	Jefferson	0.00056956%	0.00056956%	0.0000000%	921 North 700	East Mapleton	UT	84664
35B	L028492000	James R. Harlan, a single man	Y	0.00142045	0.00331392	0.00056956%	41-02289-000	Warren	Jefferson	0.00056956%	0.00056956%	0.0000000%	553 35th St. NW	Gig Harbor	WA	98335
35B	L029744000	John L. Harlan, a single man	Y	0.00142045	0.00331392	0.00056956%	41-02289-000	Warren	Jefferson	0.00056956%	0.00056956%	0.0000000%	19831 Arbutus Ct.	Poulsbo	WA	98370
35B	L028493000	Thomas L. Harlan and Rebecca L. Harlan, husband and wife	Y	0.00142045	0.00331392	0.00056956%	41-02289-000	Warren	Jefferson	0.00056956%	0.00056956%	0.0000000%	74711 Dillon Rd.	Desert Hot Springs	CA	92241
35B	L028897000	Susan K. Skidmore and Stuart Skidmore, wife and husband	Y	0.00015783	0.00036821	0.00006328%	41-02289-000	Warren	Jefferson	0.00006328%	0.00006328%	0.0000000%	7 Mundinger Ln.	Omak	WA	98841
35B	L029658000	Catherine L. Strickling, a single woman	Y	0.00015783	0.00036821	0.00006328%	41-02289-000	Warren	Jefferson	0.00006328%	0.00006328%	0.0000000%	2966 Westcove Dr.	West Valley City	UT	84119
35B	L028957000	Bonnie Jean Crawford, a single woman	Y	0.00015783	0.00036821	0.00006328%	41-02289-000	Warren	Jefferson	0.00006328%	0.00006328%	0.0000000%	4313 Queen Circle	The Colony	TX	75056
35B	L029301000	Lynn Arie Murry aka Lynn Marie Murray and Gregory Murray, wife and husband	Y	0.00015783	0.00036821	0.00006328%	41-02289-000	Warren	Jefferson	0.00006328%	0.00006328%	0.0000000%	3576 S. 6830 W.	West Valley City	UT	84128
35B	L029520000	Martha Ann Washington and Ricky Washington, wife and husband	Y	0.00015783	0.00036821	0.00006328%	41-02289-000	Warren	Jefferson	0.00006328%	0.00006328%	0.0000000%	305 S. 3rd. St.	Wylie	TX	75098
35B	L029660000	Richard S. Casteel, a single man	Y	0.00015783	0.00036821	0.00006328%	41-02289-000	Warren	Jefferson	0.00006328%	0.00006328%	0.0000000%	23719 Stottlemeyer Rd NE	Poulsbo	WA	98370
35B	L029019000	Deborah K. Mullins, a single woman	Y	0.00015783	0.00036821	0.00006328%	41-02289-000	Warren	Jefferson	0.00006328%	0.00006328%	0.0000000%	400 Flower Meadows St.	Port Orchard	WA	98366
35B	L029014000	Marie L. Schruhl and Daryl Schruhl, wife and husband	Y	0.00015783	0.00036821	0.00006328%	41-02289-000	Warren	Jefferson	0.00006328%	0.00006328%	0.0000000%	8984 Nels Nelson Rd NW	Bremerton	WA	98311
35B	L028959000	Donald R. Casteel and Linda Casteel, husband and wife	Y	0.00015783	0.00036821	0.00006328%	41-02289-000	Warren	Jefferson	0.00006328%	0.00006328%	0.0000000%	PO Box 1463	Belfair	WA	98528
35B	L028231000	Diana Millsap, a widowed woman	Y	0.00142045	0.00331392	0.00056956%	41-02289-000	Warren	Jefferson	0.00056956%	0.00056956%	0.0000000%	P.O. Box 483	Bear River City	UT	84301
35B	L028229000	Linda L. Watry and William E. Watry, wife and husband	Y	0.00142045	0.00331392	0.00056956%	41-02289-000	Warren	Jefferson	0.00056956%	0.00056956%	0.0000000%	2208 Mugho Pl.	Loveland	CO	80538

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35B	L028239000	Marion S. Kennedy aka Marian S. Kennedy, a widowed woman	Y	0.00142045	0.00331392	0.00056956%	41-02289-000	Warren	Jefferson	0.00056956%	0.00056956%	0.0000000%	2135 E. 21st St.	Bremerton	WA	98310
35B	L028490000	Ralph R. Edenthal, a single man	Y	0.00047348	0.00110464	0.00018985%	41-02289-000	Warren	Jefferson	0.00018985%	0.00018985%	0.0000000%	2744 Sutherland Pl.	Steilacoom	WA	98388
35B	L028489000	Cory E. Snider and Ryoko Snider, husband and wife	Y	0.00031566	0.00073643	0.00012657%	41-02289-000	Warren	Jefferson	0.00012657%	0.00012657%	0.0000000%	#1 - 75th St. NW	Everett	WA	98203
35B	L028488000	Michelle L. Cox and C. Nathan Cox, wife and husband	Y	0.00031566	0.00073643	0.00012657%	41-02289-000	Warren	Jefferson	0.00012657%	0.00012657%	0.0000000%	462 S. Grand Oaks Dr.	Fruit Heights	UT	84037
35B	L029117000	Renae K. Snider, a single woman	Y	0.00031566	0.00073643	0.00012657%	41-02289-000	Warren	Jefferson	0.00012657%	0.00012657%	0.0000000%	1909 S 1100 W	Syracuse	UT	84075
35B	L028494000	Jeanne Halper, a single woman	Y	0.00142045	0.00331392	0.00056956%	41-02289-000	Warren	Jefferson	0.00056956%	0.00056956%	0.0000000%	1215 W. Slaughter Ln., #2511	Austin	TX	78748
35B	L028491000	Cynthia L. Harlan, a single woman	Y	0.00142045	0.00331392	0.00056956%	41-02289-000	Warren	Jefferson	0.00056956%	0.00056956%	0.0000000%	711 W. Summit St.	Lead	SD	57754
35B	Unleased Mineral Interest	Nettie M. Gates	N	0.06250000	*0.14581250	*0.02506071%	41-02289-000	Warren	Jefferson	0.0000000%	0.0000000%	0.0000000%	Undetermined	Undetermined	Undetermined	Undetermined
35B	Unleased Mineral Interest	The Audre G. & Evelyn M. Blair Revocable Trust, dated March 23, 2000 Attn: Robert W. Blair, Successor Trustee	N	0.06250000	*0.14581250	*0.02506071%	41-02289-000	Warren	Jefferson	0.0000000%	0.0000000%	0.0000000%	14515 Bass Lake Rd.	Newbury	OH	44065
35B	L028504000	Walton M. Dallas Jr. Living Trust, dated January 17th, 2012 Attn: Walton M. Dallas, Jr., Trustee	Y	0.03125000	0.07290625	0.01253036%	41-02289-000	Warren	Jefferson	0.01253036%	0.01253036%	0.0000000%	1400 N. Eagle Ln.	Oklahoma City	OK	73127
35B	L028505000	Joanne E. Dallas, a single woman	Y	0.03125000	0.07290625	0.01253036%	41-02289-000	Warren	Jefferson	0.01253036%	0.01253036%	0.0000000%	7739 Chalkstone Dr.	Dallas	TX	75248
35B	L030726000	Sandra Sue Dallas, a single woman	Y	0.02083333	0.04860417	0.00835357%	41-02289-000	Warren	Jefferson	0.00835357%	0.00835357%	0.0000000%	48549 Highway 101, SPC 4	Bandon	OR	97411-6208
35B	L030727000	JaDene S. Jones and Jeffrey D. Jones, wife and husband	Y	0.01041667	0.02430208	0.00417679%	41-02289-000	Warren	Jefferson	0.00417679%	0.00417679%	0.0000000%	1681 Halverson Ct.	Folsom	CA	95630-7350
35B	Unleased Mineral Interest	Jane Lonsberry	N	0.01041667	*0.02430208	*0.00417679%	41-02289-000	Warren	Jefferson	0.0000000%	0.0000000%	0.0000000%	223 E. Mill St., Apt.1	Orland	CA	95963-1977
35B	L029137000	Elaine S. Dallas, a widowed woman	Y	0.02083333	0.04860417	0.00835357%	41-02289-000	Warren	Jefferson	0.00835357%	0.00835357%	0.0000000%	93199 Luscombe Loop	Coos Bay	OR	97420
35B	L031064000	Marvin A. Johnson and Joyce A. Johnson, husband and wife	Y	0.00520833	0.01215104	0.00208839%	41-02289-000	Warren	Jefferson	0.00208839%	0.00208839%	0.0000000%	3060 N Ridgecrest, Unit 181	Mesa	AZ	85207
35B	L031101000	Carol L. Grover, a single woman	Y	0.00520833	0.01215104	0.00208839%	41-02289-000	Warren	Jefferson	0.00208839%	0.00208839%	0.0000000%	272 Thwing Rd.	Chardon	OH	44024
35B	Unleased Mineral Interest	Kay E. Hering	N	0.00520833	*0.01215104	*0.00208839%	41-02289-000	Warren	Jefferson	0.0000000%	0.0000000%	0.0000000%	13900 Hale Rd.	Burton	OH	44021
35B	Unleased Mineral Interest	Melinda Rae Baty	N	0.00520833	*0.01215104	*0.00208839%	41-02289-000	Warren	Jefferson	0.0000000%	0.0000000%	0.0000000%	919 Franklin Ave.	Fremont	OH	43420
35B	L029642000	Kim A. Kamin and David Kamin, wife and husband	Y	0.00520833	0.01215104	0.00208839%	41-02289-000	Warren	Jefferson	0.00208839%	0.00208839%	0.0000000%	3820 London Ln.	Richland Hills	TX	76118
35B	Unleased Mineral Interest	Michael D. Lotz	N	0.00520833	*0.01215104	*0.00208839%	41-02289-000	Warren	Jefferson	0.0000000%	0.0000000%	0.0000000%	1007 S. Bridgeport Pl.	Sioux Falls	SD	57106-3465
35B	L031062000	Thomas J. Michie Jr., a single man, by and through his Attorney-in-Fact, George R. Michie	Y	0.00520833	0.01215104	0.00208839%	41-02289-000	Warren	Jefferson	0.00208839%	0.00208839%	0.0000000%	6025 Summerfield Farm Lane	Charlottesville	VA	22903
35B	Unleased Mineral Interest	Allison Shrank Babcock	N	0.00520833	*0.01215104	*0.00208839%	41-02289-000	Warren	Jefferson	0.0000000%	0.0000000%	0.0000000%	17 Bluff Point Rd.	Sag Harbor	NY	11963
35B	Unleased Mineral Interest	JP Morgan Chase Bank fka The Peoples National Bank and Trust Company fka The National Bank of Dover Attn: Larae Benedetto, Branch Manager	N	0.02083333	*0.04860417	*0.00835357%	41-02289-000	Warren	Jefferson	0.0000000%	0.0000000%	0.0000000%	301 W. 3rd St.	Dover	OH	44622
35B	Unleased Mineral Interest	George J. Siedel	N	0.01041667	*0.02430208	*0.00417679%	41-02289-000	Warren	Jefferson	0.0000000%	0.0000000%	0.0000000%	2809 Aspen Road	Ann Arbor	MI	48108

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35B	L029135000	Karen E. Braaten and Claude T. Braaten, wife and husband	Y	0.01041667	0.02430208	0.00417679%	41-02289-000	Warren	Jefferson	0.00417679%	0.00417679%	0.0000000%	3926 Hedgewood Dr.	Medina	OH	44256
35B	Unleased Mineral Interest	Lillian J. Smith	N	0.01041667	*0.02430208	*0.00417679%	41-02289-000	Warren	Jefferson	0.0000000%	0.0000000%	0.0000000%	Undetermined	Undetermined	Undetermined	Undetermined
35B	Unleased Mineral Interest	Betty Smith	N	0.01041667	*0.02430208	*0.00417679%	41-02289-000	Warren	Jefferson	0.0000000%	0.0000000%	0.0000000%	Undetermined	Undetermined	Undetermined	Undetermined
35B	Unleased Mineral Interest	The Revocable Living Trust of Betty M. Stotlar, 2014 Attn: Dale Stotlar, Jr., Trustee	N	0.00520833	*0.01215104	*0.00208839%	41-02289-000	Warren	Jefferson	0.0000000%	0.0000000%	0.0000000%	1129 Krumroy Rd.	Akron	OH	44306
35B	L030729000	Mary A. Barnhardt, a widow and not remarried	Y	0.00520833	0.01215104	0.00208839%	41-02289-000	Warren	Jefferson	0.00208839%	0.00208839%	0.0000000%	160 Glenwood Dr. SW	Concord	NC	28025
35B	L030728000	David L Mapes and Pamela J. Mapes, husband and wife	Y	0.00520833	0.01215104	0.00208839%	41-02289-000	Warren	Jefferson	0.00208839%	0.00208839%	0.0000000%	7558 Mayfield Rd.	Chesterland	OH	44026
35B	L030710000	Donna M. Werner, a widow and not remarried	Y	0.00520833	0.01215104	0.00208839%	41-02289-000	Warren	Jefferson	0.00208839%	0.00208839%	0.0000000%	799 Crown Ridge Rd.	Sedona	AZ	86351
35B	Unleased Mineral Interest	Robert Hugh Dallas, his unknown successors, heirs and assigns	N	0.06250000	*0.14581250	*0.02506071%	41-02289-000	Warren	Jefferson	0.0000000%	0.0000000%	0.0000000%	Undetermined	Undetermined	Undetermined	Undetermined
35B	L028175000	Pamela Blankinship, a widowed woman	Y	0.03125000	0.07290625	0.01253036%	41-02289-000	Warren	Jefferson	0.01253036%	0.01253036%	0.0000000%	8401 S. Kolb Rd., Unit #570	Tucson	AZ	85756
35B	Unleased Mineral Interest	Tonia Platt Busby McNulty	N	0.01041667	*0.02430208	*0.00417679%	41-02289-000	Warren	Jefferson	0.0000000%	0.0000000%	0.0000000%	1535 West Thatcher Blvd., Lot 222	Safford	AZ	85546
35B	L028293000	Scott E. Busby, a single man	Y	0.00520833	0.01215104	0.00208839%	41-02289-000	Warren	Jefferson	0.00208839%	0.00208839%	0.0000000%	765 W. Witt Ave.	San Tan Valley	AZ	85140
35B	L028265000	Deborah A. Wellard and Thomas T. Wellard, wife and husband	Y	0.00520833	0.01215104	0.00208839%	41-02289-000	Warren	Jefferson	0.00208839%	0.00208839%	0.0000000%	2661 S. Spring Bar Way	Meridian	ID	83642
35B	L028345000	Ellen R. Castellini and Robert Castellini, wife and husband	Y	0.00520833	0.01215104	0.00208839%	41-02289-000	Warren	Jefferson	0.00208839%	0.00208839%	0.0000000%	2577 S. Penrose Dr.	Gilbert	AZ	85295
35B	L028346000	Diana T. Houghton and Michael Houghton, wife and husband	Y	0.00520833	0.01215104	0.00208839%	41-02289-000	Warren	Jefferson	0.00208839%	0.00208839%	0.0000000%	12719 Sweet Root Ln.	Humble	TX	77346
35B	Unleased Mineral Interest	Thelma Dallas	N	0.06250000	*0.14581250	*0.02506071%	41-02289-000	Warren	Jefferson	0.0000000%	0.0000000%	0.0000000%	Undetermined	Undetermined	Undetermined	Undetermined
35B	Unleased Mineral Interest	Hazel Dallas	N	0.06250000	*0.14581250	*0.02506071%	41-02289-000	Warren	Jefferson	0.0000000%	0.0000000%	0.0000000%	Undetermined	Undetermined	Undetermined	Undetermined
35B	L028502000	Charlene M. Shephard and Mark A. Shephard, wife and husband	Y	0.12500000	0.29162500	0.05012143%	41-02289-000	Warren	Jefferson	0.05012143%	0.05012143%	0.0000000%	756 N. Sharon Dr.	Woodstock	IL	60098
36	L029400000	George K. Pernick and Norma J. Pernick, husband and wife, for their joint lives, remainder to the survivor of them	Y	0.96875000	3.19590625	0.54927862%	41-02306-000	Warren	Jefferson	0.54927862%	0.54927862%	0.0000000%	42 Township Road 112	Rayland	OH	43943
36	L028505000	Joanne E. Dallas, a single woman	Y	0.03125000	0.10309375	0.01771867%	41-02306-000	Warren	Jefferson	0.01771867%	0.01771867%	0.0000000%	7739 Chalkstone Dr.	Dallas	TX	75248
37A	L029400000	George K. Pernick and Norma J. Pernick, husband and wife, for their joint lives, remainder to the survivor of them	Y	0.96875000	0.27706250	0.04761858%	41-02306-001	Warren	Jefferson	0.04761858%	0.04761858%	0.0000000%	42 Township Road 112	Rayland	OH	43943
37A	L028505000	Joanne E. Dallas, a single woman	Y	0.03125000	0.00893750	0.00153608%	41-02306-001	Warren	Jefferson	0.00153608%	0.00153608%	0.0000000%	7739 Chalkstone Dr.	Dallas	TX	75248
37B	Committed Working Interest	Gulfport Appalachia, LLC Attn: Bill Eischeid	N	1.00000000	0.43300000	0.07441947%	41-02306-001	Warren	Jefferson	0.07441947%	0.07441947%	0.0000000%	3001 Quail Springs Parkway	Oklahoma City	OK	73134
38	Unleased Mineral Interest	Howard P. Dallas, his unknown successors, heirs and assigns	N	0.01785714	*0.00614286	*0.00105577%	41-02306-002	Warren	Jefferson	0.0000000%	0.0000000%	0.0000000%	Undetermined	Undetermined	Undetermined	Undetermined
38	L028238000	Mary D. Babcock, a single woman	Y	0.00892857	0.00307143	0.00052788%	41-02306-002	Warren	Jefferson	0.00052788%	0.00052788%	0.0000000%	19557 Cardene Way	Northville	MI	48167
38	Unleased Mineral Interest	Helen Moon Kraus	N	0.00892857	*0.00307143	*0.00052788%	41-02306-002	Warren	Jefferson	0.0000000%	0.0000000%	0.0000000%	29 Crockett Ridge Rd.	Black Mountain	NC	28711

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TRACT NUMBER	LEASE ID NUMBER	MINERAL OWNER	LEASED Y/N	DECIMAL INTEREST IN TRACT	SURFACE ACRES IN UNIT	TRACT PARTICIPATION IN UNIT	TAX MAP PARCEL ID	TOWNSHIP	COUNTY	COMMITTED WORKING INTEREST PERCENTAGE	GULFPORT APPALACHIA WORKING INTEREST	ASCENT RESOURCES - UTICA, LLC WORKING INTEREST	ADDRESS	CITY	STATE	ZIP
38	Unleased Mineral Interest	Donald M. Dallas	N	0.00595238	*0.00204762	*0.00035192%	41-02306-002	Warren	Jefferson	0.00000000%	0.00000000%	0.00000000%	2125 Conestoga Rd.	Reno	NV	89521
38	Unleased Mineral Interest	Melinda D. Legge nka Mindy A. Dallas	N	0.00595238	*0.00204762	*0.00035192%	41-02306-002	Warren	Jefferson	0.00000000%	0.00000000%	0.00000000%	1080 Combination Rd.	Reno	NV	89521
38	Unleased Mineral Interest	Pamela Dallas	N	0.00595238	*0.00204762	*0.00035192%	41-02306-002	Warren	Jefferson	0.00000000%	0.00000000%	0.00000000%	1540 Carlin St.	Reno	NV	89503
38	Unleased Mineral Interest	Ethel J. Dallas Abrams, her unknown successors, heirs and assigns	N	0.01785714	*0.00614286	*0.00105577%	41-02306-002	Warren	Jefferson	0.00000000%	0.00000000%	0.00000000%	Undetermined	Undetermined	Undetermined	Undetermined
38	L028503000	Norman W. Dallas, Jr., and Linda F. Dallas, husband and wife	Y	0.00595238	0.00204762	0.00035192%	41-02306-002	Warren	Jefferson	0.00035192%	0.00035192%	0.00000000%	5445 Arbor Wood Lane	Beaumont	TX	77706
38	L028506000	Janet E. Yocom and Phillip L. Yocom, wife and husband	Y	0.00595238	0.00204762	0.00035192%	41-02306-002	Warren	Jefferson	0.00035192%	0.00035192%	0.00000000%	1157 High Street	Harrisburg	OH	43126
38	Unleased Mineral Interest	Mark E. Dallas	N	0.00595238	*0.00204762	*0.00035192%	41-02306-002	Warren	Jefferson	0.00000000%	0.00000000%	0.00000000%	11527 Pipesville Rd.	Howard	OH	43028
38	L031047000	Charles W. Buckley Jr. and Cheryl Ann Buckley, husband and wife	Y	0.01785714	0.00614286	0.00105577%	41-02306-002	Warren	Jefferson	0.00105577%	0.00105577%	0.00000000%	2075 Palo Alto Avenue	Lady Lake	FL	32159
38	Committed Working Interest	Gulfport Appalachia, LLC Attn: Bill Eischeid	N	0.00892857	0.00307143	0.00052788%	41-02306-002	Warren	Jefferson	0.00052788%	0.00052788%	0.00000000%	3001 Quail Springs Parkway	Oklahoma City	OK	73134
38	L028501000	David H. Boston and Lori L. Boston, husband and wife	Y	0.00892857	0.00307143	0.00052788%	41-02306-002	Warren	Jefferson	0.00052788%	0.00052788%	0.00000000%	242 E. 4th St.	Tucson	AZ	85705
38	L028103000	Doris E. Calkins, a widowed woman	Y	0.00390625	0.00134375	0.00023095%	41-02306-002	Warren	Jefferson	0.00023095%	0.00023095%	0.00000000%	5008 Cable Ave.	Cheyenne	WY	82009
38	L028118000	Lois I. Ronish and Robert R. Ronish, wife and husband	Y	0.00390625	0.00134375	0.00023095%	41-02306-002	Warren	Jefferson	0.00023095%	0.00023095%	0.00000000%	3201 - 4th Ave. N	Great Falls	MT	59401
38	L028102000	Helen L. Bumgarner, a widowed woman	Y	0.00390625	0.00134375	0.00023095%	41-02306-002	Warren	Jefferson	0.00023095%	0.00023095%	0.00000000%	5311 Seslar Ave.	Cheyenne	WY	82009
38	L028092000	Carol A. Palmer and Leland Brooks Palmer, wife and husband	Y	0.00390625	0.00134375	0.00023095%	41-02306-002	Warren	Jefferson	0.00023095%	0.00023095%	0.00000000%	300 W. Carlson St., #103	Cheyenne	WY	82009
38	L028895000	Everett L. Grout and Sharon L. Grout, husband and wife	Y	0.00312500	0.00107500	0.00018476%	41-02306-002	Warren	Jefferson	0.00018476%	0.00018476%	0.00000000%	16104 - 275th Street East	Graham	WA	98338
38	L028505000	David C. Grout and Melinda K. Grout, husband and wife	Y	0.00312500	0.00107500	0.00018476%	41-02306-002	Warren	Jefferson	0.00018476%	0.00018476%	0.00000000%	9531 Forest Dell Dr.	Edmonds	WA	98020
38	L028496000	Lois M. Giles and Stephen B. Giles, wife and husband	Y	0.00312500	0.00107500	0.00018476%	41-02306-002	Warren	Jefferson	0.00018476%	0.00018476%	0.00000000%	456 Stein Ln.	Camano Island	WA	98282
38	L028498000	Donna E. Grout, a single woman	Y	0.00312500	0.00107500	0.00018476%	41-02306-002	Warren	Jefferson	0.00018476%	0.00018476%	0.00000000%	456 A, Stein Ln.	Camano Island	WA	98282
38	L028499000	Phillip J. Harvey, a widowed man	Y	0.00312500	0.00107500	0.00018476%	41-02306-002	Warren	Jefferson	0.00018476%	0.00018476%	0.00000000%	10442 Forbes Creek Dr.	Kirkland	WA	98033
38	L028240000	Janet K. Kranz and William A. Kranz, wife and husband	Y	0.00223214	0.00076786	0.00013197%	41-02306-002	Warren	Jefferson	0.00013197%	0.00013197%	0.00000000%	603 Country Club Rd.	Sauk Centre	MN	56378
38	L029022000	Frances A. Yett and Danny R. Yett, wife and husband	Y	0.00111607	0.00038393	0.00006599%	41-02306-002	Warren	Jefferson	0.00006599%	0.00006599%	0.00000000%	2670 Gem Ave.	Emmett	ID	83617
38	L030725000	Robert Earl Baumann and Stephanie Baumann, husband and wife	Y	0.00111607	0.00038393	0.00006599%	41-02306-002	Warren	Jefferson	0.00006599%	0.00006599%	0.00000000%	992 Mistletoe Loop N.	Keizer	OR	97303
38	L028204000	Geraldine A. Thomas and Robert Thomas, wife and husband	Y	0.00223214	0.00076786	0.00013197%	41-02306-002	Warren	Jefferson	0.00013197%	0.00013197%	0.00000000%	5136 Bates Street	Turner	OR	97317
38	L028495000	Thomas G. Dallas and Laurie E. Dallas, husband and wife	Y	0.00223214	0.00076786	0.00013197%	41-02306-002	Warren	Jefferson	0.00013197%	0.00013197%	0.00000000%	702 Vista Park Dr.	Eagle Point	OR	97524
38	L028187000	Edna J. Everett, a widowed woman	Y	0.00223214	0.00076786	0.00013197%	41-02306-002	Warren	Jefferson	0.00013197%	0.00013197%	0.00000000%	3166 Chandler Egan Dr.	Medford	OR	97504
38	L028277000	John L. Dallas, a single man	Y	0.00223214	0.00076786	0.00013197%	41-02306-002	Warren	Jefferson	0.00013197%	0.00013197%	0.00000000%	PO Box 16922	South Lake Tahoe	CA	96151

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38	L028188000	Deborah M. Albert and Allan R. Albert, wife and husband	Y	0.00223214	0.00076786	0.00013197%	41-02306-002	Warren	Jefferson	0.00013197%	0.00013197%	0.0000000%	1006 Sherwood Ln.	Papillion	NE	68046
38	Unleased Mineral Interest	John C. Cavallaro	N	0.00390625	*0.00134375	*0.00023095%	41-02306-002	Warren	Jefferson	0.0000000%	0.0000000%	0.0000000%	4638 Live Oak Ct.	Ellicott City	MD	21043
38	L028228000	James K. Cavallaro and Elizabeth S. Cavallaro, husband and wife	Y	0.00390625	0.00134375	0.00023095%	41-02306-002	Warren	Jefferson	0.00023095%	0.00023095%	0.0000000%	4620 Alpine Dr.	Lakeland	FL	33801
38	L028211000	Karen S. Marasco and Charles M. Marasco, wife and husband	Y	0.00390625	0.00134375	0.00023095%	41-02306-002	Warren	Jefferson	0.00023095%	0.00023095%	0.0000000%	229 Branford Rd., Unit #464	North Branford	CT	06471
38	Unleased Mineral Interest	David D. Cavallaro	N	0.00390625	*0.00134375	*0.00023095%	41-02306-002	Warren	Jefferson	0.0000000%	0.0000000%	0.0000000%	121 Lydall Rd.	East Hartford	CT	06118
38	L028126000	Dean R. Dallas and Elizabeth A. Dallas, husband and wife	Y	0.00390625	0.00134375	0.00023095%	41-02306-002	Warren	Jefferson	0.00023095%	0.00023095%	0.0000000%	5580 S. Basalt Ave.	Boise	ID	83716
38	L028144000	Donald L. Dallas and Denise L. Storer Dallas, husband and wife	Y	0.00390625	0.00134375	0.00023095%	41-02306-002	Warren	Jefferson	0.00023095%	0.00023095%	0.0000000%	2485 E. Tybalt Dr.	Meridian	ID	83642
38	L028127000	Kay Marie Dallas Jewell aka Kay Dallas Jewell, a single woman	Y	0.00390625	0.00134375	0.00023095%	41-02306-002	Warren	Jefferson	0.00023095%	0.00023095%	0.0000000%	5723 Elkhorn Ave.	Boise	ID	83705
38	L028124000	The Dallas Family Trust, dated October 15th, 2016 Attn: Craig T. Dallas and Mary J. Dallas, Trustees	Y	0.00390625	0.00134375	0.00023095%	41-02306-002	Warren	Jefferson	0.00023095%	0.00023095%	0.0000000%	1759 W Oakhampton Dr.	Eagle	ID	83616
38	Unleased Mineral Interest	Edgar N. Dallas, his unknown successors, heirs and assigns	N	0.01562500	*0.00537500	*0.00092380%	41-02306-002	Warren	Jefferson	0.0000000%	0.0000000%	0.0000000%	Undetermined	Undetermined	Undetermined	Undetermined
38	L028237000	Jerry L. Dallas and Marsha A. Dallas, husband and wife	Y	0.00390625	0.00134375	0.00023095%	41-02306-002	Warren	Jefferson	0.00023095%	0.00023095%	0.0000000%	4913 S. Peach Willow Ln.	Gilbert	AZ	85298
38	L028224000	Rodger W. Dallas and Holly I. Dallas, husband and wife	Y	0.00390625	0.00134375	0.00023095%	41-02306-002	Warren	Jefferson	0.00023095%	0.00023095%	0.0000000%	233 SE View Dr	Newport	OR	97365
38	L028326000	Wayne E. Dallas and Jeanette M. Dallas, husband and wife	Y	0.00390625	0.00134375	0.00023095%	41-02306-002	Warren	Jefferson	0.00023095%	0.00023095%	0.0000000%	826 Lakeside Dr.	Anderson	SC	29621
38	L028209000	James K. Dallas and Janet D. Dallas, husband and wife	Y	0.00390625	0.00134375	0.00023095%	41-02306-002	Warren	Jefferson	0.00023095%	0.00023095%	0.0000000%	4650 Auburn Folsom Rd.	Loomis	CA	95650
38	L028252000	Douglas M. Harlan, a widowed man	Y	0.00142045	0.00048864	0.00008398%	41-02306-002	Warren	Jefferson	0.00008398%	0.00008398%	0.0000000%	921 North 700	East Mapleton	UT	84664
38	L028492000	James R. Harlan, a single man	Y	0.00142045	0.00048864	0.00008398%	41-02306-002	Warren	Jefferson	0.00008398%	0.00008398%	0.0000000%	553 35th St. NW	Gig Harbor	WA	98335
38	L029744000	John L. Harlan, a single man	Y	0.00142045	0.00048864	0.00008398%	41-02306-002	Warren	Jefferson	0.00008398%	0.00008398%	0.0000000%	19831 Arbutus Ct.	Poulsbo	WA	98370
38	L028493000	Thomas L. Harlan and Rebecca L. Harlan, husband and wife	Y	0.00142045	0.00048864	0.00008398%	41-02306-002	Warren	Jefferson	0.00008398%	0.00008398%	0.0000000%	74711 Dillon Rd.	Desert Hot Springs	CA	92241
38	L028897000	Susan K. Skidmore and Stuart Skidmore, wife and husband	Y	0.00015783	0.00005429	0.00000933%	41-02306-002	Warren	Jefferson	0.00000933%	0.00000933%	0.0000000%	7 Mundinger Ln.	Omak	WA	98841
38	L029658000	Catherine L. Strickling, a single woman	Y	0.00015783	0.00005429	0.00000933%	41-02306-002	Warren	Jefferson	0.00000933%	0.00000933%	0.0000000%	2966 Westcove Dr.	West Valley City	UT	84119
38	L028957000	Bonnie Jean Crawford, a single woman	Y	0.00015783	0.00005429	0.00000933%	41-02306-002	Warren	Jefferson	0.00000933%	0.00000933%	0.0000000%	4313 Queen Circle	The Colony	TX	75056
38	L029301000	Lynn Arie Murry aka Lynn Marie Murray and Gregory Murray, wife and husband	Y	0.00015783	0.00005429	0.00000933%	41-02306-002	Warren	Jefferson	0.00000933%	0.00000933%	0.0000000%	3576 S. 6830 W.	West Valley City	UT	84128
38	L029520000	Martha Ann Washington and Ricky Washington, wife and husband	Y	0.00015783	0.00005429	0.00000933%	41-02306-002	Warren	Jefferson	0.00000933%	0.00000933%	0.0000000%	305 S. 3rd. St.	Wylie	TX	75098
38	L029660000	Richard S. Casteel, a single man	Y	0.00015783	0.00005429	0.00000933%	41-02306-002	Warren	Jefferson	0.00000933%	0.00000933%	0.0000000%	23719 Stottlemeyer Rd NE	Poulsbo	WA	98370
38	L029019000	Deborah K. Mullins, a single woman	Y	0.00015783	0.00005429	0.00000933%	41-02306-002	Warren	Jefferson	0.00000933%	0.00000933%	0.0000000%	400 Flower Meadows St.	Port Orchard	WA	98366
38	L029014000	Marie L. Schruhl and Daryl Schruhl, wife and husband	Y	0.00015783	0.00005429	0.00000933%	41-02306-002	Warren	Jefferson	0.00000933%	0.00000933%	0.0000000%	8984 Nels Nelson Rd NW	Bremerton	WA	98311

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38	L028959000	Donald R. Casteel and Linda Casteel, husband and wife	Y	0.00015783	0.00005429	0.00000933%	41-02306-002	Warren	Jefferson	0.00000933%	0.00000933%	0.0000000%	PO Box 1463	Belfair	WA	98528
38	L028231000	Diana Millsap, a widowed woman	Y	0.00142045	0.00048864	0.00008398%	41-02306-002	Warren	Jefferson	0.00008398%	0.00008398%	0.0000000%	P.O. Box 483	Bear River City	UT	84301
38	L028229000	Linda L. Watry and William E. Watry, wife and husband	Y	0.00142045	0.00048864	0.00008398%	41-02306-002	Warren	Jefferson	0.00008398%	0.00008398%	0.0000000%	2208 Mugho Pl.	Loveland	CO	80538
38	L028239000	Marion S. Kennedy aka Marian S. Kennedy, a widowed woman	Y	0.00142045	0.00048864	0.00008398%	41-02306-002	Warren	Jefferson	0.00008398%	0.00008398%	0.0000000%	2135 E. 21st St.	Bremerton	WA	98310
38	L028490000	Ralph R. Edenholm, a single man	Y	0.00047348	0.00016288	0.00002799%	41-02306-002	Warren	Jefferson	0.00002799%	0.00002799%	0.0000000%	2744 Sutherland Pl.	Steilacoom	WA	98388
38	L028489000	Cory E. Snider and Ryoko Snider, husband and wife	Y	0.00031566	0.00010859	0.00001866%	41-02306-002	Warren	Jefferson	0.00001866%	0.00001866%	0.0000000%	#1 - 75th St. NW	Everett	WA	98203
38	L028488000	Michelle L. Cox and C. Nathan Cox, wife and husband	Y	0.00031566	0.00010859	0.00001866%	41-02306-002	Warren	Jefferson	0.00001866%	0.00001866%	0.0000000%	462 S. Grand Oaks Dr.	Fruit Heights	UT	84037
38	L029117000	Renae K. Snider, a single woman	Y	0.00031566	0.00010859	0.00001866%	41-02306-002	Warren	Jefferson	0.00001866%	0.00001866%	0.0000000%	1909 S 1100 W	Syracuse	UT	84075
38	L028494000	Jeanne Halper, a single woman	Y	0.00142045	0.00048864	0.00008398%	41-02306-002	Warren	Jefferson	0.00008398%	0.00008398%	0.0000000%	1215 W. Slaughter Ln., #2511	Austin	TX	78748
38	L028491000	Cynthia L. Harlan, a single woman	Y	0.00142045	0.00048864	0.00008398%	41-02306-002	Warren	Jefferson	0.00008398%	0.00008398%	0.0000000%	711 W. Summit St.	Lead	SD	57754
38	Unleased Mineral Interest	Nettie M. Gates	N	0.06250000	*0.02150000	*0.00369519%	41-02306-002	Warren	Jefferson	0.0000000%	0.0000000%	0.0000000%	Undetermined	Undetermined	Undetermined	Undetermined
38	Unleased Mineral Interest	The Audre G. & Evelyn M. Blair Revocable Trust, dated March 23, 2000 Attn: Robert W. Blair, Successor Trustee	N	0.06250000	*0.02150000	*0.00369519%	41-02306-002	Warren	Jefferson	0.0000000%	0.0000000%	0.0000000%	14515 Bass Lake Rd.	Newbury	OH	44065
38	L028504000	Walton M. Dallas Jr. Living Trust, dated January 17th, 2012 Attn: Walton M. Dallas, Jr., Trustee	Y	0.03125000	0.01075000	0.00184760%	41-02306-002	Warren	Jefferson	0.00184760%	0.00184760%	0.0000000%	1400 N. Eagle Ln.	Oklahoma City	OK	73127
38	L028505000	Joanne E. Dallas, a single woman	Y	0.03125000	0.01075000	0.00184760%	41-02306-002	Warren	Jefferson	0.00184760%	0.00184760%	0.0000000%	7739 Chalkstone Dr.	Dallas	TX	75248
38	L030726000	Sandra Sue Dallas, a single woman	Y	0.02083333	0.00716667	0.00123173%	41-02306-002	Warren	Jefferson	0.00123173%	0.00123173%	0.0000000%	48549 Highway 101, SPC 4	Bandon	OR	97411-6208
38	L030727000	JaDene S. Jones and Jeffrey D. Jones, wife and husband	Y	0.01041667	0.00358333	0.00061587%	41-02306-002	Warren	Jefferson	0.00061587%	0.00061587%	0.0000000%	1681 Halverson Ct.	Folsom	CA	95630-7350
38	Unleased Mineral Interest	Jane Lonsberry	N	0.01041667	*0.00358333	*0.00061587%	41-02306-002	Warren	Jefferson	0.0000000%	0.0000000%	0.0000000%	223 E. Mill St., Apt.1	Orland	CA	95963-1977
38	L029137000	Elaine S. Dallas, a widowed woman	Y	0.02083333	0.00716667	0.00123173%	41-02306-002	Warren	Jefferson	0.00123173%	0.00123173%	0.0000000%	93199 Luscombe Loop	Coos Bay	OR	97420
38	L031064000	Marvin A. Johnson and Joyce A. Johnson, husband and wife	Y	0.00520833	0.00179167	0.00030793%	41-02306-002	Warren	Jefferson	0.00030793%	0.00030793%	0.0000000%	3060 N Ridgecrest, Unit 181	Mesa	AZ	85207
38	L031101000	Carol L. Grover, a single woman	Y	0.00520833	0.00179167	0.00030793%	41-02306-002	Warren	Jefferson	0.00030793%	0.00030793%	0.0000000%	272 Thwing Rd.	Chardon	OH	44024
38	Unleased Mineral Interest	Kay E. Hering	N	0.00520833	*0.00179167	*0.00030793%	41-02306-002	Warren	Jefferson	0.0000000%	0.0000000%	0.0000000%	13900 Hale Rd.	Burton	OH	44021
38	Unleased Mineral Interest	Melinda Rae Baty	N	0.00520833	*0.00179167	*0.00030793%	41-02306-002	Warren	Jefferson	0.0000000%	0.0000000%	0.0000000%	919 Franklin Ave.	Fremont	OH	43420
38	L029642000	Kim A. Kamin and David Kamin, wife and husband	Y	0.00520833	0.00179167	0.00030793%	41-02306-002	Warren	Jefferson	0.00030793%	0.00030793%	0.0000000%	3820 London Ln.	Richland Hills	TX	76118
38	Unleased Mineral Interest	Michael D. Lotz	N	0.00520833	*0.00179167	*0.00030793%	41-02306-002	Warren	Jefferson	0.0000000%	0.0000000%	0.0000000%	1007 S. Bridgeport Pl.	Sioux Falls	SD	57106-3465
38	L031062000	Thomas J. Michie Jr., a single man, by and through his Attorney-in-Fact, George R. Michie	Y	0.00520833	0.00179167	0.00030793%	41-02306-002	Warren	Jefferson	0.00030793%	0.00030793%	0.0000000%	6025 Summerfield Farm Lane	Charlottesville	VA	22903

Exhibit A-2 All Mineral Owners in the proposed Angelo Unit																
TRACT NUMBER	LEASE ID NUMBER	MINERAL OWNER	LEASED Y/N	DECIMAL INTEREST IN TRACT	SURFACE ACRES IN UNIT	TRACT PARTICIPATION IN UNIT	TAX MAP PARCEL ID	TOWNSHIP	COUNTY	COMMITTED WORKING INTEREST PERCENTAGE	GULFPORT APPALACHIA WORKING INTEREST	ASCENT RESOURCES - UTICA, LLC WORKING INTEREST	ADDRESS	CITY	STATE	ZIP
38	Unleased Mineral Interest	Allison Shrank Babcock	N	0.00520833	*0.00179167	*0.00030793%	41-02306-002	Warren	Jefferson	0.00000000%	0.00000000%	0.00000000%	17 Bluff Point Rd.	Sag Harbor	NY	11963
38	Unleased Mineral Interest	JP Morgan Chase Bank fka The Peoples National Bank and Trust Company fka The National Bank of Dover Attn: Larae Benedetto, Branch Manager	N	0.02083333	*0.00716667	*0.00123173%	41-02306-002	Warren	Jefferson	0.00000000%	0.00000000%	0.00000000%	301 W. 3rd St.	Dover	OH	44622
38	Unleased Mineral Interest	George J. Siedel	N	0.01041667	*0.00358333	*0.00061587%	41-02306-002	Warren	Jefferson	0.00000000%	0.00000000%	0.00000000%	2809 Aspen Road	Ann Arbor	MI	48108
38	L029135000	Karen E. Braaten and Claude T. Braaten, wife and husband	Y	0.01041667	0.00358333	0.00061587%	41-02306-002	Warren	Jefferson	0.00061587%	0.00061587%	0.00000000%	3926 Hedgewood Dr.	Medina	OH	44256
38	Unleased Mineral Interest	Lillian J. Smith	N	0.01041667	*0.00358333	*0.00061587%	41-02306-002	Warren	Jefferson	0.00000000%	0.00000000%	0.00000000%	Undetermined	Undetermined	Undetermined	Undetermined
38	Unleased Mineral Interest	Betty Smith	N	0.01041667	*0.00358333	*0.00061587%	41-02306-002	Warren	Jefferson	0.00000000%	0.00000000%	0.00000000%	Undetermined	Undetermined	Undetermined	Undetermined
38	Unleased Mineral Interest	The Revocable Living Trust of Betty M. Stotlar, 2014 Attn: Dale Stotlar, Jr., Trustee	N	0.00520833	*0.00179167	*0.00030793%	41-02306-002	Warren	Jefferson	0.00000000%	0.00000000%	0.00000000%	1129 Krumroy Rd.	Akron	OH	44306
38	L030729000	Mary A. Barnhardt, a widow and not remarried	Y	0.00520833	0.00179167	0.00030793%	41-02306-002	Warren	Jefferson	0.00030793%	0.00030793%	0.00000000%	160 Glenwood Dr. SW	Concord	NC	28025
38	L030728000	David L Mapes and Pamela J. Mapes, husband and wife	Y	0.00520833	0.00179167	0.00030793%	41-02306-002	Warren	Jefferson	0.00030793%	0.00030793%	0.00000000%	7558 Mayfield Rd.	Chesterland	OH	44026
38	L030710000	Donna M. Werner, a widow and not remarried	Y	0.00520833	0.00179167	0.00030793%	41-02306-002	Warren	Jefferson	0.00030793%	0.00030793%	0.00000000%	799 Crown Ridge Rd.	Sedona	AZ	86351
38	Unleased Mineral Interest	Robert Hugh Dallas, his unknown successors, heirs and assigns	N	0.06250000	*0.02150000	*0.00369519%	41-02306-002	Warren	Jefferson	0.00000000%	0.00000000%	0.00000000%	Undetermined	Undetermined	Undetermined	Undetermined
38	L028175000	Pamela Blankinship, a widowed woman	Y	0.03125000	0.01075000	0.00184760%	41-02306-002	Warren	Jefferson	0.00184760%	0.00184760%	0.00000000%	8401 S. Kolb Rd., Unit #570	Tucson	AZ	85756
38	Unleased Mineral Interest	Tonia Platt Busby McNulty	N	0.01041667	*0.00358333	*0.00061587%	41-02306-002	Warren	Jefferson	0.00000000%	0.00000000%	0.00000000%	1535 West Thatcher Blvd., Lot 222	Safford	AZ	85546
38	L028293000	Scott E. Busby, a single man	Y	0.00520833	0.00179167	0.00030793%	41-02306-002	Warren	Jefferson	0.00030793%	0.00030793%	0.00000000%	765 W. Witt Ave.	San Tan Valley	AZ	85140
38	L028265000	Deborah A. Wellard and Thomas T. Wellard, wife and husband	Y	0.00520833	0.00179167	0.00030793%	41-02306-002	Warren	Jefferson	0.00030793%	0.00030793%	0.00000000%	2661 S. Spring Bar Way	Meridian	ID	83642
38	L028345000	Ellen R. Castellini and Robert Castellini, wife and husband	Y	0.00520833	0.00179167	0.00030793%	41-02306-002	Warren	Jefferson	0.00030793%	0.00030793%	0.00000000%	2577 S. Penrose Dr.	Gilbert	AZ	85295
38	L028346000	Diana T. Houghton and Michael Houghton, wife and husband	Y	0.00520833	0.00179167	0.00030793%	41-02306-002	Warren	Jefferson	0.00030793%	0.00030793%	0.00000000%	12719 Sweet Root Ln.	Humble	TX	77346
38	Unleased Mineral Interest	Thelma Dallas	N	0.06250000	*0.02150000	*0.00369519%	41-02306-002	Warren	Jefferson	0.00000000%	0.00000000%	0.00000000%	Undetermined	Undetermined	Undetermined	Undetermined
38	Unleased Mineral Interest	Hazel Dallas	N	0.06250000	*0.02150000	*0.00369519%	41-02306-002	Warren	Jefferson	0.00000000%	0.00000000%	0.00000000%	Undetermined	Undetermined	Undetermined	Undetermined
38	L028502000	Charlene M. Shephard and Mark A. Shephard, wife and husband	Y	0.12500000	0.04300000	0.00739039%	41-02306-002	Warren	Jefferson	0.00739039%	0.00739039%	0.00000000%	756 N. Sharon Dr.	Woodstock	IL	60098
39	Committed Working Interest	Jeffrey Marc Monforton, Bishop of the Roman Catholic Diocese of Steubenville, as Trustee for the Diocese of Steubenville	Y	1.00000000	1.04500000	0.17960357%	41-02350-000	Warren	Jefferson	0.17960357%	0.00000000%	0.17960357%	422 Washington Street	Steubenville	OH	43952
40	L00048400	Randy D. Bohall and Violet S. Bohall, husband and wife	Y	1.00000000	1.04500000	0.17960357%	41-02535-000	Warren	Jefferson	0.17960357%	0.17960357%	0.00000000%	3698 State Route 152	Dillonvale	OH	43917
41	L028089000	Jerri D. Robinson	Y	1.00000000	0.77900000	0.13388629%	41-02541-000	Warren	Jefferson	0.13388629%	0.13388629%	0.00000000%	5022 County Road 1	Rayland	OH	43943
42	L028090000	Jerri D. Robinson	Y	1.00000000	0.24300000	0.04176427%	41-02579-000	Warren	Jefferson	0.04176427%	0.04176427%	0.00000000%	5022 County Road 1	Rayland	OH	43943
43A	L000442000	Heritage Resources – Utica Minerals, LLC Attn: Kristen Rogstad	Y	1.00000000	61.57900000	10.58354831%	41-02590-000	Warren	Jefferson	10.58354831%	10.58354831%	0.00000000%	P.O. Box 13580	Oklahoma City	OK	73113

Exhibit A-2
All Mineral Owners in the proposed Angelo Unit

TRACT NUMBER	LEASE ID NUMBER	MINERAL OWNER	LEASED Y/N	DECIMAL INTEREST IN TRACT	SURFACE ACRES IN UNIT	TRACT PARTICIPATION IN UNIT	TAX MAP PARCEL ID	TOWNSHIP	COUNTY	COMMITTED WORKING INTEREST PERCENTAGE	GULFPORT APPALACHIA WORKING INTEREST	ASCENT RESOURCES - UTICA, LLC WORKING INTEREST	ADDRESS	CITY	STATE	ZIP
43B	Unleased Mineral Interest	James Updegraff, his unknown successors, heirs and assigns	N	1.00000000	*0.00700000	*0.00120309%	41-02590-000	Warren	Jefferson	0.00000000%	0.00000000%	0.00000000%	Undetermined	Undetermined	Undetermined	Undetermined
44	Unleased Mineral Interest	Wyoming Pocahontas Land Co. fka Youghiogheny and Ohio Coal Company Attn: Sandra D. Freeburger	N	1.00000000	*0.41600000	*0.07149769%	41-02641-000	Warren	Jefferson	0.00000000%	0.00000000%	0.00000000%	101 First Street	Henderson	KY	42420
45	L028038000	Donald Pernick and Beverly Pernick, husband and wife, for their joint lives, remainder to the survivor of them	Y	0.50000000	0.51650000	0.08877057%	41-02671-000	Warren	Jefferson	0.08877057%	0.08877057%	0.00000000%	338 TR 112	Rayland	OH	43943
45	L030369000	Elizabeth A. Newman	Y	0.25000000	0.25825000	0.04438528%	41-02671-000	Warren	Jefferson	0.04438528%	0.04438528%	0.00000000%	1595 Twp. Rd. 212	Bloomingdale	OH	43910
45	L030369000	Tamara J. Bartek	Y	0.25000000	0.25825000	0.04438528%	41-02671-000	Warren	Jefferson	0.04438528%	0.04438528%	0.00000000%	708 N. High St.	Lancaster	OH	43130
46	L003729000	Edward C. Vargo, Jr.	Y	1.00000000	9.07800000	1.56023079%	41-02674-000	Warren	Jefferson	1.56023079%	1.56023079%	0.00000000%	260 TR 112	Rayland	OH	43943
47	L000515000	Donald Pernick and Beverly Pernick, husband and wife, for their joint lives, remainder to the survivor of them	Y	1.00000000	3.00000000	0.51560832%	41-02674-001	Warren	Jefferson	0.51560832%	0.51560832%	0.00000000%	338 TR 112	Rayland	OH	43943
48	L028038000	Donald Pernick and Beverly Pernick, husband and wife, for their joint lives, remainder to the survivor of them	Y	0.50000000	0.53350000	0.09169235%	41-02675-000	Warren	Jefferson	0.09169235%	0.09169235%	0.00000000%	338 Township Road 112	Rayland	OH	43943
48	L030369000	Elizabeth A. Newman	Y	0.25000000	0.26675000	0.04584617%	41-02675-000	Warren	Jefferson	0.04584617%	0.04584617%	0.00000000%	1595 Twp. Rd. 212	Bloomingdale	OH	43910
48	L030369000	Tamara J. Bartek	Y	0.25000000	0.26675000	0.04584617%	41-02675-000	Warren	Jefferson	0.04584617%	0.04584617%	0.00000000%	708 N. High St.	Lancaster	OH	43130
49	L002251000	James R. Blaney, Trustee of the Guy E. Blaney Living Trust Dated June 13th, 1996	Y	1.00000000	21.09500000	3.62558586%	41-02676-000	Warren	Jefferson	3.62558586%	3.62558586%	0.00000000%	61860 Hunter Road	Bethesda	OH	43719
49	L002251000	James R. Blaney and Brenda L. Blaney, husband and wife	Y				41-02676-000	Warren	Jefferson				61860 Hunter Road	Bethesda	OH	43719
49	L002251000	John M. Digkeit and Victoria S. Digkeit, husband and wife	Y				41-02676-000	Warren	Jefferson				36671 Connor Ridge Road	Woodsfield	OH	43793
50	Unleased Mineral Interest	Wyoming Pocahontas Land Co. fka Youghiogheny and Ohio Coal Company Attn: Sandra D. Freeburger	N	1.00000000	*12.32800000	*2.11880647%	41-02679-000	Warren	Jefferson	0.00000000%	0.00000000%	0.00000000%	101 First Street	Henderson	KY	42420
51	Committed Working Interest	Angelo E. Marsili aka Angelo Marsili and Carol A. Marsili aka Carolyn Marsili, his wife	Y	1.00000000	3.64200000	0.62594850%	41-02682-000	Warren	Jefferson	0.62594850%	0.00000000%	0.62594850%	3188 County Rd. 8	Dillonvale	OH	43917
52	L007141000	David M. Banal and Terri Lynn Banal a/k/a Terri L. Banal, for their joint lives, remainder to the survivor of them	Y	1.00000000	2.51200000	0.43173604%	41-02682-001	Warren	Jefferson	0.43173604%	0.43173604%	0.00000000%	7755 State Route 150	Dillonvale	OH	43917
53	L007141000	David M. Banal and Terri Lynn Banal a/k/a Terri L. Banal, for their joint lives, remainder to the survivor of them	Y	1.00000000	15.31900000	2.63286797%	41-02682-006	Warren	Jefferson	2.63286797%	2.63286797%	0.00000000%	7755 State Route 150	Dillonvale	OH	43917
54	Unleased Mineral Interest	Wyoming Pocahontas Land Co. fka Youghiogheny and Ohio Coal Company Attn: Sandra D. Freeburger	N	1.00000000	*10.05800000	*1.72866284%	41-02690-000	Warren	Jefferson	0.00000000%	0.00000000%	0.00000000%	101 First Street	Henderson	KY	42420
55	Unleased Mineral Interest	Wyoming Pocahontas Land Co. fka Youghiogheny and Ohio Coal Company Attn: Sandra D. Freeburger	N	1.00000000	*10.66800000	*1.83350320%	41-02692-000	Warren	Jefferson	0.00000000%	0.00000000%	0.00000000%	101 First Street	Henderson	KY	42420
56	L030761000	Westhawk Minerals, LLC Attn: Lester A Zitkus, Senior VP of Land	Y	0.60000000	11.24280000	1.93229375%	41-02716-000	Warren	Jefferson	1.93229375%	1.93229375%	0.00000000%	3001 Quail Springs Parkway	Oklahoma City	OK	73134
56	L029929000	Gateway Royalty V, LLC Attn: Chris Oldham, President	Y	0.40000000	7.49520000	1.28819583%	41-02716-000	Warren	Jefferson	1.28819583%	1.28819583%	0.00000000%	111 2nd St SW	Carrollton	OH	44615

Exhibit A-2 All Mineral Owners in the proposed Angelo Unit																	
TRACT NUMBER	LEASE ID NUMBER	MINERAL OWNER	LEASED Y/N	DECIMAL INTEREST IN TRACT	SURFACE ACRES IN UNIT	TRACT PARTICIPATION IN UNIT	TAX MAP PARCEL ID	TOWNSHIP	COUNTY	COMMITTED WORKING INTEREST PERCENTAGE	GULFPORT APPALACHIA WORKING INTEREST	ASCENT RESOURCES - UTICA, LLC WORKING INTEREST	ADDRESS	CITY	STATE	ZIP	
57	L002251000	James R. Blaney, Trustee of the Guy E. Blaney Living Trust Dated June 13th, 1996	Y	1.00000000	5.36400000	0.92190768%	41-02759-000	Warren	Jefferson	0.92190768%	0.92190768%	0.00000000%	61860 Hunter Road	Bethesda	OH	43719	
57	L002251000	James R. Blaney and Brenda L. Blaney, husband and wife	Y				41-02759-000	Warren	Jefferson				61860 Hunter Road	Bethesda	OH	43719	
57	L002251000	John M. Dígity and Victoria S. Dígity, husband and wife	Y				41-02759-000	Warren	Jefferson				36671 Connor Ridge Road	Woodsfield	OH	43793	
58	Unleased Mineral Interest	Wheeling and Lake Erie Railway Company Attn: Jeff Davis, Manager of Real Estate	N	1.00000000	*24.55300000	*4.21991039%	UNKNOWN	Warren	Jefferson	0.00000000%	0.00000000%	0.00000000%	100 First St. SE	Brewster	OH	44613	
59	L029032000	Harry Nelson Crichton and Mary Beth Crichton, husband and wife	Y	1.00000000	15.75900000	2.70849052%	41-02394-000	Warren	Jefferson	2.70849052%	2.70849052%	0.00000000%	679 River Oaks Circle	Pawleys Island	SC	29585	
60	Unleased Mineral Interest	Peter K. Soffel, his unknown successors, heirs and assigns	N	1.00000000	*3.59900000	*0.61855812%	41-00000-000	Warren	Jefferson	0.00000000%	0.00000000%	0.00000000%	Undetermined	Undetermined	Undetermined	Undetermined	
61	Unleased Mineral Interest	Peter K. Soffel, his unknown successors, heirs and assigns	N	1.00000000	*1.26000000	*0.21655550%	41-00000-000	Warren	Jefferson	0.00000000%	0.00000000%	0.00000000%	Undetermined	Undetermined	Undetermined	Undetermined	
62	Unleased Mineral Interest	Peter K. Soffel, his unknown successors, heirs and assigns	N	1.00000000	*1.21300000	*0.20847763%	41-00000-000	Warren	Jefferson	0.00000000%	0.00000000%	0.00000000%	Undetermined	Undetermined	Undetermined	Undetermined	
TOTAL NET LEASED ACRES:				513.97845871	88.33719043%					88.33719043%	74.32467490%	14.01251553%					
TOTAL UNIT ACRES:				581.83700000													
*UNLEASED MINERAL INTEREST OWNER																	

END OF EXHIBIT "A-2"

Exhibit A-3 All Unleased Mineral Owners in the proposed Angelo Unit														
TRACT NUMBER	LEASE ID NUMBER	MINERAL OWNER	LEASED Y/N	DECIMAL INTEREST IN TRACT	SURFACE ACRES IN UNIT	TRACT PARTICIPATION IN UNIT	TAX MAP PARCEL ID	TOWNSHIP	COUNTY	ADDRESS	CITY	STATE	ZIP	
5	Unleased Mineral Interest	Howard P. Dallas, his unknown successors, heirs and assigns	N	0.01785714	0.01255357	0.00215758%	41-00086-000	Warren	Jefferson	Undetermined	Undetermined	Undetermined	Undetermined	
5	Unleased Mineral Interest	Helen Moon Kraus	N	0.00892857	0.00627679	0.00107879%	41-00086-000	Warren	Jefferson	29 Crockett Ridge Rd.	Black Mountain	NC	28711	
5	Unleased Mineral Interest	Donald M. Dallas	N	0.00595238	0.00418452	0.00071919%	41-00086-000	Warren	Jefferson	2125 Conestoga Rd.	Reno	NV	89521	
5	Unleased Mineral Interest	Melinda D. Legge nka Mindy A. Dallas	N	0.00595238	0.00418452	0.00071919%	41-00086-000	Warren	Jefferson	1080 Combination Rd.	Reno	NV	89521	
5	Unleased Mineral Interest	Pamela Dallas	N	0.00595238	0.00418452	0.00071919%	41-00086-000	Warren	Jefferson	1540 Carlin St.	Reno	NV	89503	
5	Unleased Mineral Interest	Ethel J. Dallas Abrams, her unknown successors, heirs and assigns	N	0.01785714	0.01255357	0.00215758%	41-00086-000	Warren	Jefferson	Undetermined	Undetermined	Undetermined	Undetermined	
5	Unleased Mineral Interest	Mark E. Dallas	N	0.00595238	0.00418452	0.00071919%	41-00086-000	Warren	Jefferson	11527 Pipesville Rd.	Howard	OH	43028	
5	Unleased Mineral Interest	John C. Cavallaro	N	0.00390625	0.00274609	0.00047197%	41-00086-000	Warren	Jefferson	4638 Live Oak Ct.	Ellicott City	MD	21043	
5	Unleased Mineral Interest	David D. Cavallaro	N	0.00390625	0.00274609	0.00047197%	41-00086-000	Warren	Jefferson	121 Lydall Rd.	East Hartford	CT	06118	
5	Unleased Mineral Interest	Edgar N. Dallas, his unknown successors, heirs and assigns	N	0.01562500	0.01098438	0.00188788%	41-00086-000	Warren	Jefferson	Undetermined	Undetermined	Undetermined	Undetermined	
5	Unleased Mineral Interest	Nettie M. Gates	N	0.06250000	0.04393750	0.00755151%	41-00086-000	Warren	Jefferson	Undetermined	Undetermined	Undetermined	Undetermined	
5	Unleased Mineral Interest	The Audre G. & Evelyn M. Blair Revocable Trust, dated March 23, 2000 Attn: Robert W. Blair, Successor Trustee	N	0.06250000	0.04393750	0.00755151%	41-00086-000	Warren	Jefferson	14515 Bass Lake Rd.	Newbury	OH	44065	
5	Unleased Mineral Interest	Jane Lonsberry	N	0.01041667	0.00732292	0.00125859%	41-00086-000	Warren	Jefferson	223 E. Mill St., Apt.1	Orland	CA	95963-1977	
5	Unleased Mineral Interest	Kay E. Hering	N	0.00520833	0.00366146	0.00062929%	41-00086-000	Warren	Jefferson	13900 Hale Rd.	Burton	OH	44021	
5	Unleased Mineral Interest	Melinda Rae Baty	N	0.00520833	0.00366146	0.00062929%	41-00086-000	Warren	Jefferson	919 Franklin Ave.	Fremont	OH	43420	
5	Unleased Mineral Interest	Michael D. Lotz	N	0.00520833	0.00366146	0.00062929%	41-00086-000	Warren	Jefferson	1007 S. Bridgeport Pl.	Sioux Falls	SD	57106-3465	
5	Unleased Mineral Interest	Allison Shrank Babcock	N	0.00520833	0.00366146	0.00062929%	41-00086-000	Warren	Jefferson	17 Bluff Point Rd.	Sag Harbor	NY	11963	
5	Unleased Mineral Interest	JP Morgan Chase Bank fka The Peoples National Bank and Trust Company fka The National Bank of Dover Attn: Larae Benedetto, Branch Manager	N	0.02083333	0.01464583	0.00251717%	41-00086-000	Warren	Jefferson	301 W. 3rd St.	Dover	OH	44622	
5	Unleased Mineral Interest	George J. Siedel	N	0.01041667	0.00732292	0.00125859%	41-00086-000	Warren	Jefferson	2809 Aspen Road	Ann Arbor	MI	48108	
5	Unleased Mineral Interest	Lillian J. Smith	N	0.01041667	0.00732292	0.00125859%	41-00086-000	Warren	Jefferson	Undetermined	Undetermined	Undetermined	Undetermined	
5	Unleased Mineral Interest	Betty Smith	N	0.01041667	0.00732292	0.00125859%	41-00086-000	Warren	Jefferson	Undetermined	Undetermined	Undetermined	Undetermined	

Exhibit A-3 All Unleashed Mineral Owners in the proposed Angelo Unit													
TRACT NUMBER	LEASE ID NUMBER	MINERAL OWNER	LEASED Y/N	DECIMAL INTEREST IN TRACT	SURFACE ACRES IN UNIT	TRACT PARTICIPATION IN UNIT	TAX MAP PARCEL ID	TOWNSHIP	COUNTY	ADDRESS	CITY	STATE	ZIP
5	Unleashed Mineral Interest	The Revocable Living Trust of Betty M. Stotlar, 2014 Attn: Dale Stotlar, Jr., Trustee	N	0.00520833	0.00366146	0.00062929%	41-00086-000	Warren	Jefferson	1129 Krumroy Rd.	Akron	OH	44306
5	Unleashed Mineral Interest	Robert Hugh Dallas, his unknown successors, heirs and assigns	N	0.06250000	0.04393750	0.00755151%	41-00086-000	Warren	Jefferson	Undetermined	Undetermined	Undetermined	Undetermined
5	Unleashed Mineral Interest	Tonia Platt Busby McNulty	N	0.01041667	0.00732292	0.00125859%	41-00086-000	Warren	Jefferson	1535 West Thatcher Blvd., Lot 222	Safford	AZ	85546
5	Unleashed Mineral Interest	Thelma Dallas	N	0.06250000	0.04393750	0.00755151%	41-00086-000	Warren	Jefferson	Undetermined	Undetermined	Undetermined	Undetermined
5	Unleashed Mineral Interest	Hazel Dallas	N	0.06250000	0.04393750	0.00755151%	41-00086-000	Warren	Jefferson	Undetermined	Undetermined	Undetermined	Undetermined
13	Unleashed Mineral Interest	Howard P. Dallas, his unknown successors, heirs and assigns	N	0.01785714	0.02519643	0.00433050%	41-00379-000	Warren	Jefferson	Undetermined	Undetermined	Undetermined	Undetermined
13	Unleashed Mineral Interest	Helen Moon Kraus	N	0.00892857	0.01259821	0.00216525%	41-00379-000	Warren	Jefferson	29 Crockett Ridge Rd.	Black Mountain	NC	28711
13	Unleashed Mineral Interest	Donald M. Dallas	N	0.00595238	0.00839881	0.00144350%	41-00379-000	Warren	Jefferson	2125 Conestoga Rd.	Reno	NV	89521
13	Unleashed Mineral Interest	Melinda D. Legge nka Mindy A. Dallas	N	0.00595238	0.00839881	0.00144350%	41-00379-000	Warren	Jefferson	1080 Combination Rd.	Reno	NV	89521
13	Unleashed Mineral Interest	Pamela Dallas	N	0.00595238	0.00839881	0.00144350%	41-00379-000	Warren	Jefferson	1540 Carlin St.	Reno	NV	89503
13	Unleashed Mineral Interest	Ethel J. Dallas Abrams, her unknown successors, heirs and assigns	N	0.01785714	0.02519643	0.00433050%	41-00379-000	Warren	Jefferson	Undetermined	Undetermined	Undetermined	Undetermined
13	Unleashed Mineral Interest	Mark E. Dallas	N	0.00595238	0.00839881	0.00144350%	41-00379-000	Warren	Jefferson	11527 Pipesville Rd.	Howard	OH	43028
13	Unleashed Mineral Interest	John C. Cavallaro	N	0.00390625	0.00551172	0.00094730%	41-00379-000	Warren	Jefferson	4638 Live Oak Ct.	Ellicott City	MD	21043
13	Unleashed Mineral Interest	David D. Cavallaro	N	0.00390625	0.00551172	0.00094730%	41-00379-000	Warren	Jefferson	121 Lydall Rd.	East Hartford	CT	06118
13	Unleashed Mineral Interest	Edgar N. Dallas, his unknown successors, heirs and assigns	N	0.01562500	0.02204688	0.00378918%	41-00379-000	Warren	Jefferson	Undetermined	Undetermined	Undetermined	Undetermined
13	Unleashed Mineral Interest	Nettie M. Gates	N	0.06250000	0.08818750	0.01515674%	41-00379-000	Warren	Jefferson	Undetermined	Undetermined	Undetermined	Undetermined
13	Unleashed Mineral Interest	The Audre G. & Evelyn M. Blair Revocable Trust, dated March 23, 2000 Attn: Robert W. Blair, Successor Trustee	N	0.06250000	0.08818750	0.01515674%	41-00379-000	Warren	Jefferson	14515 Bass Lake Rd.	Newbury	OH	44065
13	Unleashed Mineral Interest	Jane Lonsberry	N	0.01041667	0.01469792	0.00252612%	41-00379-000	Warren	Jefferson	223 E. Mill St., Apt.1	Orland	CA	95963-1977
13	Unleashed Mineral Interest	Kay E. Hering	N	0.00520833	0.00734896	0.00126306%	41-00379-000	Warren	Jefferson	13900 Hale Rd.	Burton	OH	44021
13	Unleashed Mineral Interest	Melinda Rae Baty	N	0.00520833	0.00734896	0.00126306%	41-00379-000	Warren	Jefferson	919 Franklin Ave.	Fremont	OH	43420
13	Unleashed Mineral Interest	Michael D. Lotz	N	0.00520833	0.00734896	0.00126306%	41-00379-000	Warren	Jefferson	1007 S. Bridgeport Pl.	Sioux Falls	SD	57106-3465
13	Unleashed Mineral Interest	Allison Shrank Babcock	N	0.00520833	0.00734896	0.00126306%	41-00379-000	Warren	Jefferson	17 Bluff Point Rd.	Sag Harbor	NY	11963

Exhibit A-3 All Unleased Mineral Owners in the proposed Angelo Unit														
TRACT NUMBER	LEASE ID NUMBER	MINERAL OWNER	LEASED Y/N	DECIMAL INTEREST IN TRACT	SURFACE ACRES IN UNIT	TRACT PARTICIPATION IN UNIT	TAX MAP PARCEL ID	TOWNSHIP	COUNTY	ADDRESS	CITY	STATE	ZIP	
13	Unleased Mineral Interest	JP Morgan Chase Bank fka The Peoples National Bank and Trust Company fka The National Bank of Dover Attn: Larae Benedetto, Branch Manager	N	0.02083333	0.02939583	0.00505225%	41-00379-000	Warren	Jefferson	301 W. 3rd St.	Dover	OH	44622	
13	Unleased Mineral Interest	George J. Siedel	N	0.01041667	0.01469792	0.00252612%	41-00379-000	Warren	Jefferson	2809 Aspen Road	Ann Arbor	MI	48108	
13	Unleased Mineral Interest	Lillian J. Smith	N	0.01041667	0.01469792	0.00252612%	41-00379-000	Warren	Jefferson	Undetermined	Undetermined	Undetermined	Undetermined	
13	Unleased Mineral Interest	Betty Smith	N	0.01041667	0.01469792	0.00252612%	41-00379-000	Warren	Jefferson	Undetermined	Undetermined	Undetermined	Undetermined	
13	Unleased Mineral Interest	The Revocable Living Trust of Betty M. Stotlar, 2014 Attn: Dale Stotlar, Jr., Trustee	N	0.00520833	0.00734896	0.00126306%	41-00379-000	Warren	Jefferson	1129 Krumroy Rd.	Akron	OH	44306	
13	Unleased Mineral Interest	Robert Hugh Dallas, his unknown successors, heirs and assigns	N	0.06250000	0.08818750	0.01515674%	41-00379-000	Warren	Jefferson	Undetermined	Undetermined	Undetermined	Undetermined	
13	Unleased Mineral Interest	Tonia Platt Busby McNulty	N	0.01041667	0.01469792	0.00252612%	41-00379-000	Warren	Jefferson	1535 West Thatcher Blvd., Lot 222	Safford	AZ	85546	
13	Unleased Mineral Interest	Thelma Dallas	N	0.06250000	0.08818750	0.01515674%	41-00379-000	Warren	Jefferson	Undetermined	Undetermined	Undetermined	Undetermined	
13	Unleased Mineral Interest	Hazel Dallas	N	0.06250000	0.08818750	0.01515674%	41-00379-000	Warren	Jefferson	Undetermined	Undetermined	Undetermined	Undetermined	
27	Unleased Mineral Interest	Virginia Holding Corporation Attn: Ann S. Powell, Norfolk Southern Real Estate Department	N	1.00000000	1.22700000	0.21088380%	41-01369-000	Warren	Jefferson	1200 Peachtree St., 12th Floor	Atlanta	GA	30309	
28A	Unleased Mineral Interest	Wyoming Pocahontas Land Co. fka Youghiogheny and Ohio Coal Company Attn: Sandra D. Freeburger	N	1.00000000	0.11800000	0.02028059%	41-01446-000	Warren	Jefferson	101 First Street	Henderson	KY	42420	
35B	Unleased Mineral Interest	Howard P. Dallas, his unknown successors, heirs and assigns	N	0.01785714	0.04166071	0.00716020%	41-02289-000	Warren	Jefferson	Undetermined	Undetermined	Undetermined	Undetermined	
35B	Unleased Mineral Interest	Helen Moon Kraus	N	0.00892857	0.02083036	0.00358010%	41-02289-000	Warren	Jefferson	29 Crockett Ridge Rd.	Black Mountain	NC	28711	
35B	Unleased Mineral Interest	Donald M. Dallas	N	0.00595238	0.01388690	0.00238673%	41-02289-000	Warren	Jefferson	2125 Conestoga Rd.	Reno	NV	89521	
35B	Unleased Mineral Interest	Melinda D. Legge nka Mindy A. Dallas	N	0.00595238	0.01388690	0.00238673%	41-02289-000	Warren	Jefferson	1080 Combination Rd.	Reno	NV	89521	
35B	Unleased Mineral Interest	Pamela Dallas	N	0.00595238	0.01388690	0.00238673%	41-02289-000	Warren	Jefferson	1540 Carlin St.	Reno	NV	89503	
35B	Unleased Mineral Interest	Ethel J. Dallas Abrams, her unknown successors, heirs and assigns	N	0.01785714	0.04166071	0.00716020%	41-02289-000	Warren	Jefferson	Undetermined	Undetermined	Undetermined	Undetermined	
35B	Unleased Mineral Interest	Mark E. Dallas	N	0.00595238	0.01388690	0.00238673%	41-02289-000	Warren	Jefferson	11527 Pipesville Rd.	Howard	OH	43028	
35B	Unleased Mineral Interest	John C. Cavallaro	N	0.00390625	0.00911328	0.00156629%	41-02289-000	Warren	Jefferson	4638 Live Oak Ct.	Ellicott City	MD	21043	
35B	Unleased Mineral Interest	David D. Cavallaro	N	0.00390625	0.00911328	0.00156629%	41-02289-000	Warren	Jefferson	121 Lydall Rd.	East Hartford	CT	06118	
35B	Unleased Mineral Interest	Edgar N. Dallas, his unknown successors, heirs and assigns	N	0.01562500	0.03645313	0.00626518%	41-02289-000	Warren	Jefferson	Undetermined	Undetermined	Undetermined	Undetermined	

Exhibit A-3 All Unleased Mineral Owners in the proposed Angelo Unit														
TRACT NUMBER	LEASE ID NUMBER	MINERAL OWNER	LEASED Y/N	DECIMAL INTEREST IN TRACT	SURFACE ACRES IN UNIT	TRACT PARTICIPATION IN UNIT	TAX MAP PARCEL ID	TOWNSHIP	COUNTY	ADDRESS	CITY	STATE	ZIP	
35B	Unleased Mineral Interest	Nettie M. Gates	N	0.06250000	0.14581250	0.02506071%	41-02289-000	Warren	Jefferson	Undetermined	Undetermined	Undetermined	Undetermined	
35B	Unleased Mineral Interest	The Audre G. & Evelyn M. Blair Revocable Trust, dated March 23, 2000 Attn: Robert W. Blair, Successor Trustee	N	0.06250000	0.14581250	0.02506071%	41-02289-000	Warren	Jefferson	14515 Bass Lake Rd.	Newbury	OH	44065	
35B	Unleased Mineral Interest	Jane Lonsberry	N	0.01041667	0.02430208	0.00417679%	41-02289-000	Warren	Jefferson	223 E. Mill St., Apt.1	Orland	CA	95963-1977	
35B	Unleased Mineral Interest	Kay E. Hering	N	0.00520833	0.01215104	0.00208839%	41-02289-000	Warren	Jefferson	13900 Hale Rd.	Burton	OH	44021	
35B	Unleased Mineral Interest	Melinda Rae Baty	N	0.00520833	0.01215104	0.00208839%	41-02289-000	Warren	Jefferson	919 Franklin Ave.	Fremont	OH	43420	
35B	Unleased Mineral Interest	Michael D. Lotz	N	0.00520833	0.01215104	0.00208839%	41-02289-000	Warren	Jefferson	1007 S. Bridgeport Pl.	Sioux Falls	SD	57106-3465	
35B	Unleased Mineral Interest	Allison Shrank Babcock	N	0.00520833	0.01215104	0.00208839%	41-02289-000	Warren	Jefferson	17 Bluff Point Rd.	Sag Harbor	NY	11963	
35B	Unleased Mineral Interest	JP Morgan Chase Bank fka The Peoples National Bank and Trust Company fka The National Bank of Dover Attn: Larae Benedetto, Branch Manager	N	0.02083333	0.04860417	0.00835357%	41-02289-000	Warren	Jefferson	301 W. 3rd St.	Dover	OH	44622	
35B	Unleased Mineral Interest	George J. Siedel	N	0.01041667	0.02430208	0.00417679%	41-02289-000	Warren	Jefferson	2809 Aspen Road	Ann Arbor	MI	48108	
35B	Unleased Mineral Interest	Lillian J. Smith	N	0.01041667	0.02430208	0.00417679%	41-02289-000	Warren	Jefferson	Undetermined	Undetermined	Undetermined	Undetermined	
35B	Unleased Mineral Interest	Betty Smith	N	0.01041667	0.02430208	0.00417679%	41-02289-000	Warren	Jefferson	Undetermined	Undetermined	Undetermined	Undetermined	
35B	Unleased Mineral Interest	The Revocable Living Trust of Betty M. Stotlar, 2014 Attn: Dale Stotlar, Jr., Trustee	N	0.00520833	0.01215104	0.00208839%	41-02289-000	Warren	Jefferson	1129 Krumroy Rd.	Akron	OH	44306	
35B	Unleased Mineral Interest	Robert Hugh Dallas, his unknown successors, heirs and assigns	N	0.06250000	0.14581250	0.02506071%	41-02289-000	Warren	Jefferson	Undetermined	Undetermined	Undetermined	Undetermined	
35B	Unleased Mineral Interest	Tonia Platt Busby McNulty	N	0.01041667	0.02430208	0.00417679%	41-02289-000	Warren	Jefferson	1535 West Thatcher Blvd., Lot 222	Safford	AZ	85546	
35B	Unleased Mineral Interest	Thelma Dallas	N	0.06250000	0.14581250	0.02506071%	41-02289-000	Warren	Jefferson	Undetermined	Undetermined	Undetermined	Undetermined	
35B	Unleased Mineral Interest	Hazel Dallas	N	0.06250000	0.14581250	0.02506071%	41-02289-000	Warren	Jefferson	Undetermined	Undetermined	Undetermined	Undetermined	
38	Unleased Mineral Interest	Howard P. Dallas, his unknown successors, heirs and assigns	N	0.01785714	0.00614286	0.00105577%	41-02306-002	Warren	Jefferson	Undetermined	Undetermined	Undetermined	Undetermined	
38	Unleased Mineral Interest	Helen Moon Kraus	N	0.00892857	0.00307143	0.00052788%	41-02306-002	Warren	Jefferson	29 Crockett Ridge Rd.	Black Mountain	NC	28711	
38	Unleased Mineral Interest	Donald M. Dallas	N	0.00595238	0.00204762	0.00035192%	41-02306-002	Warren	Jefferson	2125 Conestoga Rd.	Reno	NV	89521	
38	Unleased Mineral Interest	Melinda D. Legge aka Mindy A. Dallas	N	0.00595238	0.00204762	0.00035192%	41-02306-002	Warren	Jefferson	1080 Combination Rd.	Reno	NV	89521	
38	Unleased Mineral Interest	Pamela Dallas	N	0.00595238	0.00204762	0.00035192%	41-02306-002	Warren	Jefferson	1540 Carlin St.	Reno	NV	89503	

Exhibit A-3 All Unleased Mineral Owners in the proposed Angelo Unit													
TRACT NUMBER	LEASE ID NUMBER	MINERAL OWNER	LEASED Y/N	DECIMAL INTEREST IN TRACT	SURFACE ACRES IN UNIT	TRACT PARTICIPATION IN UNIT	TAX MAP PARCEL ID	TOWNSHIP	COUNTY	ADDRESS	CITY	STATE	ZIP
38	Unleased Mineral Interest	Ethel J. Dallas Abrams, her unknown successors, heirs and assigns	N	0.01785714	0.00614286	0.00105577%	41-02306-002	Warren	Jefferson	Undetermined	Undetermined	Undetermined	Undetermined
38	Unleased Mineral Interest	Mark E. Dallas	N	0.00595238	0.00204762	0.00035192%	41-02306-002	Warren	Jefferson	11527 Pipesville Rd.	Howard	OH	43028
38	Unleased Mineral Interest	John C. Cavallaro	N	0.00390625	0.00134375	0.00023095%	41-02306-002	Warren	Jefferson	4638 Live Oak Ct.	Ellicott City	MD	21043
38	Unleased Mineral Interest	David D. Cavallaro	N	0.00390625	0.00134375	0.00023095%	41-02306-002	Warren	Jefferson	121 Lydall Rd.	East Hartford	CT	06118
38	Unleased Mineral Interest	Edgar N. Dallas, his unknown successors, heirs and assigns	N	0.01562500	0.00537500	0.00092380%	41-02306-002	Warren	Jefferson	Undetermined	Undetermined	Undetermined	Undetermined
38	Unleased Mineral Interest	Nettie M. Gates	N	0.06250000	0.02150000	0.00369519%	41-02306-002	Warren	Jefferson	Undetermined	Undetermined	Undetermined	Undetermined
38	Unleased Mineral Interest	The Audre G. & Evelyn M. Blair Revocable Trust, dated March 23, 2000 Attn: Robert W. Blair, Successor Trustee	N	0.06250000	0.02150000	0.00369519%	41-02306-002	Warren	Jefferson	14515 Bass Lake Rd.	Newbury	OH	44065
38	Unleased Mineral Interest	Jane Lonsberry	N	0.01041667	0.00358333	0.00061587%	41-02306-002	Warren	Jefferson	223 E. Mill St., Apt.1	Orland	CA	95963-1977
38	Unleased Mineral Interest	Kay E. Hering	N	0.00520833	0.00179167	0.00030793%	41-02306-002	Warren	Jefferson	13900 Hale Rd.	Burton	OH	44021
38	Unleased Mineral Interest	Melinda Rae Baty	N	0.00520833	0.00179167	0.00030793%	41-02306-002	Warren	Jefferson	919 Franklin Ave.	Fremont	OH	43420
38	Unleased Mineral Interest	Michael D. Lotz	N	0.00520833	0.00179167	0.00030793%	41-02306-002	Warren	Jefferson	1007 S. Bridgeport Pl.	Sioux Falls	SD	57106-3465
38	Unleased Mineral Interest	Allison Shrank Babcock	N	0.00520833	0.00179167	0.00030793%	41-02306-002	Warren	Jefferson	17 Bluff Point Rd.	Sag Harbor	NY	11963
38	Unleased Mineral Interest	JP Morgan Chase Bank fka The Peoples National Bank and Trust Company fka The National Bank of Dover Attn: Larae Benedetto, Branch Manager	N	0.02083333	0.00716667	0.00123173%	41-02306-002	Warren	Jefferson	301 W. 3rd St.	Dover	OH	44622
38	Unleased Mineral Interest	George J. Siedel	N	0.01041667	0.00358333	0.00061587%	41-02306-002	Warren	Jefferson	2809 Aspen Road	Ann Arbor	MI	48108
38	Unleased Mineral Interest	Lillian J. Smith	N	0.01041667	0.00358333	0.00061587%	41-02306-002	Warren	Jefferson	Undetermined	Undetermined	Undetermined	Undetermined
38	Unleased Mineral Interest	Betty Smith	N	0.01041667	0.00358333	0.00061587%	41-02306-002	Warren	Jefferson	Undetermined	Undetermined	Undetermined	Undetermined
38	Unleased Mineral Interest	The Revocable Living Trust of Betty M. Stotlar, 2014 Attn: Dale Stotlar, Jr., Trustee	N	0.00520833	0.00179167	0.00030793%	41-02306-002	Warren	Jefferson	1129 Krumroy Rd.	Akron	OH	44306
38	Unleased Mineral Interest	Robert Hugh Dallas, his unknown successors, heirs and assigns	N	0.06250000	0.02150000	0.00369519%	41-02306-002	Warren	Jefferson	Undetermined	Undetermined	Undetermined	Undetermined
38	Unleased Mineral Interest	Tonia Platt Busby McNulty	N	0.01041667	0.00358333	0.00061587%	41-02306-002	Warren	Jefferson	1535 West Thatcher Blvd., Lot 222	Safford	AZ	85546
38	Unleased Mineral Interest	Thelma Dallas	N	0.06250000	0.02150000	0.00369519%	41-02306-002	Warren	Jefferson	Undetermined	Undetermined	Undetermined	Undetermined
38	Unleased Mineral Interest	Hazel Dallas	N	0.06250000	0.02150000	0.00369519%	41-02306-002	Warren	Jefferson	Undetermined	Undetermined	Undetermined	Undetermined
43B	Unleased Mineral Interest	James Updegraff, his unknown successors, heirs and assigns	N	1.00000000	0.00700000	0.00120309%	41-02590-000	Warren	Jefferson	Undetermined	Undetermined	Undetermined	Undetermined
44	Unleased Mineral Interest	Wyoming Pocahontas Land Co. fka Youghiogheny and Ohio Coal Company Attn: Sandra D. Freeburger	N	1.00000000	0.41600000	0.07149769%	41-02641-000	Warren	Jefferson	101 First Street	Henderson	KY	42420

Exhibit A-3 All Unleased Mineral Owners in the proposed Angelo Unit													
TRACT NUMBER	LEASE ID NUMBER	MINERAL OWNER	LEASED Y/N	DECIMAL INTEREST IN TRACT	SURFACE ACRES IN UNIT	TRACT PARTICIPATION IN UNIT	TAX MAP PARCEL ID	TOWNSHIP	COUNTY	ADDRESS	CITY	STATE	ZIP
50	Unleased Mineral Interest	Wyoming Pocahontas Land Co. fka Youghiogheny and Ohio Coal Company Attn: Sandra D. Freeburger	N	1.00000000	12.32800000	2.11880647%	41-02679-000	Warren	Jefferson	101 First Street	Henderson	KY	42420
54	Unleased Mineral Interest	Wyoming Pocahontas Land Co. fka Youghiogheny and Ohio Coal Company Attn: Sandra D. Freeburger	N	1.00000000	10.05800000	1.72866284%	41-02690-000	Warren	Jefferson	101 First Street	Henderson	KY	42420
55	Unleased Mineral Interest	Wyoming Pocahontas Land Co. fka Youghiogheny and Ohio Coal Company Attn: Sandra D. Freeburger	N	1.00000000	10.66800000	1.83350320%	41-02692-000	Warren	Jefferson	101 First Street	Henderson	KY	42420
58	Unleased Mineral Interest	Wheeling and Lake Erie Railway Company Attn: Jeff Davis, Manager of Real Estate	N	1.00000000	24.55300000	4.21991039%	UNKNOWN	Warren	Jefferson	100 First St. SE	Brewster	OH	44613
60	Unleased Mineral Interest	Peter K. Soffel, his unknown successors, heirs and assigns	N	1.00000000	3.59900000	0.61855812%	41-00000-000	Warren	Jefferson	Undetermined	Undetermined	Undetermined	Undetermined
61	Unleased Mineral Interest	Peter K. Soffel, his unknown successors, heirs and assigns	N	1.00000000	1.26000000	0.21655550%	41-00000-000	Warren	Jefferson	Undetermined	Undetermined	Undetermined	Undetermined
62	Unleased Mineral Interest	Peter K. Soffel, his unknown successors, heirs and assigns	N	1.00000000	1.21300000	0.20847763%	41-00000-000	Warren	Jefferson	Undetermined	Undetermined	Undetermined	Undetermined

TOTAL UNLEASED ACRES:	67.85854129	11.66280957%
TOTAL UNIT ACRES:	581.83700000	

*UNLEASED MINERAL INTEREST OWNER

END OF EXHIBIT "A-3"

Exhibit A-4 All Committed Working Interest Owners in the proposed Angelo Unit												
TRACT NUMBER	COMMITTED WORKING INTEREST OWNER	ADDRESS	CITY	STATE	ZIP	LEASED Y/N	DECIMAL INTEREST IN TRACT	SURFACE ACRES IN UNIT	TRACT PARTICIPATION IN UNIT	TAX MAP PARCEL ID	TOWNSHIP	COUNTY
1	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	N	1.00000000	2.27000000	0.39014363%	41-00053-000	Warren	Jefferson
2	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	N	1.00000000	4.80600000	0.82600453%	41-00054-000	Warren	Jefferson
3	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	N	1.00000000	5.01800000	0.86244086%	41-00055-000	Warren	Jefferson
4	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	1.00000000	7.16500000	1.23144455%	41-00067-000	Warren	Jefferson
5	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00892857	0.00627679	0.00107879%	41-00086-000	Warren	Jefferson
5	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00595238	0.00418452	0.00071919%	41-00086-000	Warren	Jefferson
5	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00595238	0.00418452	0.00071919%	41-00086-000	Warren	Jefferson
5	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.01785714	0.01255357	0.00215758%	41-00086-000	Warren	Jefferson
5	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	N	0.00892857	0.00627679	0.00107879%	41-00086-000	Warren	Jefferson
5	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00892857	0.00627679	0.00107879%	41-00086-000	Warren	Jefferson
5	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00390625	0.00274609	0.00047197%	41-00086-000	Warren	Jefferson
5	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00390625	0.00274609	0.00047197%	41-00086-000	Warren	Jefferson
5	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00390625	0.00274609	0.00047197%	41-00086-000	Warren	Jefferson
5	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00390625	0.00274609	0.00047197%	41-00086-000	Warren	Jefferson
5	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00312500	0.00219688	0.00037758%	41-00086-000	Warren	Jefferson
5	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00312500	0.00219688	0.00037758%	41-00086-000	Warren	Jefferson
5	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00312500	0.00219688	0.00037758%	41-00086-000	Warren	Jefferson
5	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00312500	0.00219688	0.00037758%	41-00086-000	Warren	Jefferson
5	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00312500	0.00219688	0.00037758%	41-00086-000	Warren	Jefferson

Exhibit A-4 All Committed Working Interest Owners in the proposed Angelo Unit												
TRACT NUMBER	COMMITTED WORKING INTEREST OWNER	ADDRESS	CITY	STATE	ZIP	LEASED Y/N	DECIMAL INTEREST IN TRACT	SURFACE ACRES IN UNIT	TRACT PARTICIPATION IN UNIT	TAX MAP PARCEL ID	TOWNSHIP	COUNTY
5	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00223214	0.00156920	0.00026970%	41-00086-000	Warren	Jefferson
5	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00111607	0.00078460	0.00013485%	41-00086-000	Warren	Jefferson
5	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00111607	0.00078460	0.00013485%	41-00086-000	Warren	Jefferson
5	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00223214	0.00156920	0.00026970%	41-00086-000	Warren	Jefferson
5	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00223214	0.00156920	0.00026970%	41-00086-000	Warren	Jefferson
5	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00223214	0.00156920	0.00026970%	41-00086-000	Warren	Jefferson
5	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00223214	0.00156920	0.00026970%	41-00086-000	Warren	Jefferson
5	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00223214	0.00156920	0.00026970%	41-00086-000	Warren	Jefferson
5	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00223214	0.00156920	0.00026970%	41-00086-000	Warren	Jefferson
5	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00390625	0.00274609	0.00047197%	41-00086-000	Warren	Jefferson
5	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00390625	0.00274609	0.00047197%	41-00086-000	Warren	Jefferson
5	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00390625	0.00274609	0.00047197%	41-00086-000	Warren	Jefferson
5	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00390625	0.00274609	0.00047197%	41-00086-000	Warren	Jefferson
5	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00390625	0.00274609	0.00047197%	41-00086-000	Warren	Jefferson
5	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00390625	0.00274609	0.00047197%	41-00086-000	Warren	Jefferson
5	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00390625	0.00274609	0.00047197%	41-00086-000	Warren	Jefferson
5	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00390625	0.00274609	0.00047197%	41-00086-000	Warren	Jefferson
5	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00390625	0.00274609	0.00047197%	41-00086-000	Warren	Jefferson
5	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00390625	0.00274609	0.00047197%	41-00086-000	Warren	Jefferson
5	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00390625	0.00274609	0.00047197%	41-00086-000	Warren	Jefferson
5	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00390625	0.00274609	0.00047197%	41-00086-000	Warren	Jefferson
5	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00390625	0.00274609	0.00047197%	41-00086-000	Warren	Jefferson
5	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00390625	0.00274609	0.00047197%	41-00086-000	Warren	Jefferson
5	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00390625	0.00274609	0.00047197%	41-00086-000	Warren	Jefferson
5	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00142045	0.00099858	0.00017163%	41-00086-000	Warren	Jefferson

Exhibit A-4

All Committed Working Interest Owners in the proposed Angelo Unit

TRACT NUMBER	COMMITTED WORKING INTEREST OWNER	ADDRESS	CITY	STATE	ZIP	LEASED Y/N	DECIMAL INTEREST IN TRACT	SURFACE ACRES IN UNIT	TRACT PARTICIPATION IN UNIT	TAX MAP PARCEL ID	TOWNSHIP	COUNTY
5	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00142045	0.00099858	0.00017163%	41-00086-000	Warren	Jefferson
5	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00142045	0.00099858	0.00017163%	41-00086-000	Warren	Jefferson
5	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00142045	0.00099858	0.00017163%	41-00086-000	Warren	Jefferson
5	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00015783	0.00011095	0.00001907%	41-00086-000	Warren	Jefferson
5	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00015783	0.00011095	0.00001907%	41-00086-000	Warren	Jefferson
5	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00015783	0.00011095	0.00001907%	41-00086-000	Warren	Jefferson
5	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00015783	0.00011095	0.00001907%	41-00086-000	Warren	Jefferson
5	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00015783	0.00011095	0.00001907%	41-00086-000	Warren	Jefferson
5	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00015783	0.00011095	0.00001907%	41-00086-000	Warren	Jefferson
5	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00015783	0.00011095	0.00001907%	41-00086-000	Warren	Jefferson
5	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00015783	0.00011095	0.00001907%	41-00086-000	Warren	Jefferson
5	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00015783	0.00011095	0.00001907%	41-00086-000	Warren	Jefferson
5	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00142045	0.00099858	0.00017163%	41-00086-000	Warren	Jefferson
5	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00142045	0.00099858	0.00017163%	41-00086-000	Warren	Jefferson
5	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00142045	0.00099858	0.00017163%	41-00086-000	Warren	Jefferson
5	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00047348	0.00033286	0.00005721%	41-00086-000	Warren	Jefferson
5	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00031566	0.00022191	0.00003814%	41-00086-000	Warren	Jefferson
5	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00031566	0.00022191	0.00003814%	41-00086-000	Warren	Jefferson
5	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00031566	0.00022191	0.00003814%	41-00086-000	Warren	Jefferson

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TRACT NUMBER	COMMITTED WORKING INTEREST OWNER	ADDRESS	CITY	STATE	ZIP	LEASED Y/N	DECIMAL INTEREST IN TRACT	SURFACE ACRES IN UNIT	TRACT PARTICIPATION IN UNIT	TAX MAP PARCEL ID	TOWNSHIP	COUNTY
5	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00142045	0.00099858	0.00017163%	41-00086-000	Warren	Jefferson
5	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00142045	0.00099858	0.00017163%	41-00086-000	Warren	Jefferson
5	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.03125000	0.02196875	0.00377576%	41-00086-000	Warren	Jefferson
5	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.03125000	0.02196875	0.00377576%	41-00086-000	Warren	Jefferson
5	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.02083333	0.01464583	0.00251717%	41-00086-000	Warren	Jefferson
5	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.01041667	0.00732292	0.00125859%	41-00086-000	Warren	Jefferson
5	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.02083333	0.01464583	0.00251717%	41-00086-000	Warren	Jefferson
5	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00520833	0.00366146	0.00062929%	41-00086-000	Warren	Jefferson
5	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00520833	0.00366146	0.00062929%	41-00086-000	Warren	Jefferson
5	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00520833	0.00366146	0.00062929%	41-00086-000	Warren	Jefferson
5	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00520833	0.00366146	0.00062929%	41-00086-000	Warren	Jefferson
5	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00520833	0.00366146	0.00062929%	41-00086-000	Warren	Jefferson
5	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00520833	0.00366146	0.00062929%	41-00086-000	Warren	Jefferson
5	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.03125000	0.02196875	0.00377576%	41-00086-000	Warren	Jefferson
5	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00520833	0.00366146	0.00062929%	41-00086-000	Warren	Jefferson
5	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00520833	0.00366146	0.00062929%	41-00086-000	Warren	Jefferson
5	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00520833	0.00366146	0.00062929%	41-00086-000	Warren	Jefferson

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5	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00520833	0.00366146	0.00062929%	41-00086-000	Warren	Jefferson
5	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.12500000	0.08787500	0.01510303%	41-00086-000	Warren	Jefferson
6	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	1.00000000	6.52900000	1.12213558%	41-00093-000	Warren	Jefferson
7	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	1.00000000	1.51000000	0.25952286%	41-00094-000	Warren	Jefferson
8	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.50000000	29.66650000	5.09876477%	41-00143-000	Warren	Jefferson
8	Ascent Resources - Utica, LLC Attn: Kade R Smith	P.O. Box 13678	Oklahoma City	OK	73113	Y	0.50000000	29.66650000	5.09876477%	41-00143-000	Warren	Jefferson
9	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.50000000	6.76900000	1.16338425%	41-00143-001	Warren	Jefferson
9	Ascent Resources - Utica, LLC Attn: Kade R Smith	P.O. Box 13678	Oklahoma City	OK	73113	Y	0.50000000	6.76900000	1.16338425%	41-00143-001	Warren	Jefferson
10	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.50000000	1.79400000	0.30833378%	41-00143-002	Warren	Jefferson
10	Ascent Resources - Utica, LLC Attn: Kade R Smith	P.O. Box 13678	Oklahoma City	OK	73113	Y	0.50000000	1.79400000	0.30833378%	41-00143-002	Warren	Jefferson
11	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	1.00000000	0.39700000	0.06823217%	41-01158-000	Warren	Jefferson
12	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	1.00000000	6.54000000	1.12402614%	41-00378-000	Warren	Jefferson
13	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00892857	0.01259821	0.00216525%	41-00379-000	Warren	Jefferson
13	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00595238	0.00839881	0.00144350%	41-00379-000	Warren	Jefferson
13	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00595238	0.00839881	0.00144350%	41-00379-000	Warren	Jefferson
13	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.01785714	0.02519643	0.00433050%	41-00379-000	Warren	Jefferson
13	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	N	0.00892857	0.01259821	0.00216525%	41-00379-000	Warren	Jefferson
13	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00892857	0.01259821	0.00216525%	41-00379-000	Warren	Jefferson
13	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00390625	0.00551172	0.00094730%	41-00379-000	Warren	Jefferson

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13	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00390625	0.00551172	0.00094730%	41-00379-000	Warren	Jefferson
13	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00390625	0.00551172	0.00094730%	41-00379-000	Warren	Jefferson
13	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00312500	0.00440938	0.00075784%	41-00379-000	Warren	Jefferson
13	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00312500	0.00440938	0.00075784%	41-00379-000	Warren	Jefferson
13	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00312500	0.00440938	0.00075784%	41-00379-000	Warren	Jefferson
13	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00312500	0.00440938	0.00075784%	41-00379-000	Warren	Jefferson
13	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00312500	0.00440938	0.00075784%	41-00379-000	Warren	Jefferson
13	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00312500	0.00440938	0.00075784%	41-00379-000	Warren	Jefferson
13	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00223214	0.00314955	0.00054131%	41-00379-000	Warren	Jefferson
13	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00111607	0.00157478	0.00027066%	41-00379-000	Warren	Jefferson
13	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00111607	0.00157478	0.00027066%	41-00379-000	Warren	Jefferson
13	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00223214	0.00314955	0.00054131%	41-00379-000	Warren	Jefferson
13	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00223214	0.00314955	0.00054131%	41-00379-000	Warren	Jefferson
13	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00223214	0.00314955	0.00054131%	41-00379-000	Warren	Jefferson
13	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00223214	0.00314955	0.00054131%	41-00379-000	Warren	Jefferson
13	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00223214	0.00314955	0.00054131%	41-00379-000	Warren	Jefferson
13	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00390625	0.00551172	0.00094730%	41-00379-000	Warren	Jefferson
13	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00390625	0.00551172	0.00094730%	41-00379-000	Warren	Jefferson
13	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00390625	0.00551172	0.00094730%	41-00379-000	Warren	Jefferson

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TRACT NUMBER	COMMITTED WORKING INTEREST OWNER	ADDRESS	CITY	STATE	ZIP	LEASED Y/N	DECIMAL INTEREST IN TRACT	SURFACE ACRES IN UNIT	TRACT PARTICIPATION IN UNIT	TAX MAP PARCEL ID	TOWNSHIP	COUNTY
13	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00390625	0.00551172	0.00094730%	41-00379-000	Warren	Jefferson
13	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00390625	0.00551172	0.00094730%	41-00379-000	Warren	Jefferson
13	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00390625	0.00551172	0.00094730%	41-00379-000	Warren	Jefferson
13	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00390625	0.00551172	0.00094730%	41-00379-000	Warren	Jefferson
13	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00390625	0.00551172	0.00094730%	41-00379-000	Warren	Jefferson
13	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00390625	0.00551172	0.00094730%	41-00379-000	Warren	Jefferson
13	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00390625	0.00551172	0.00094730%	41-00379-000	Warren	Jefferson
13	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00390625	0.00551172	0.00094730%	41-00379-000	Warren	Jefferson
13	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00142045	0.00200426	0.00034447%	41-00379-000	Warren	Jefferson
13	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00142045	0.00200426	0.00034447%	41-00379-000	Warren	Jefferson
13	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00142045	0.00200426	0.00034447%	41-00379-000	Warren	Jefferson
13	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00142045	0.00200426	0.00034447%	41-00379-000	Warren	Jefferson
13	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00015783	0.00022270	0.00003827%	41-00379-000	Warren	Jefferson
13	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00015783	0.00022270	0.00003827%	41-00379-000	Warren	Jefferson
13	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00015783	0.00022270	0.00003827%	41-00379-000	Warren	Jefferson
13	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00015783	0.00022270	0.00003827%	41-00379-000	Warren	Jefferson
13	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00015783	0.00022270	0.00003827%	41-00379-000	Warren	Jefferson
13	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00015783	0.00022270	0.00003827%	41-00379-000	Warren	Jefferson
13	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00015783	0.00022270	0.00003827%	41-00379-000	Warren	Jefferson

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TRACT NUMBER	COMMITTED WORKING INTEREST OWNER	ADDRESS	CITY	STATE	ZIP	LEASED Y/N	DECIMAL INTEREST IN TRACT	SURFACE ACRES IN UNIT	TRACT PARTICIPATION IN UNIT	TAX MAP PARCEL ID	TOWNSHIP	COUNTY
13	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00015783	0.00022270	0.00003827%	41-00379-000	Warren	Jefferson
13	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00142045	0.00200426	0.00034447%	41-00379-000	Warren	Jefferson
13	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00142045	0.00200426	0.00034447%	41-00379-000	Warren	Jefferson
13	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00142045	0.00200426	0.00034447%	41-00379-000	Warren	Jefferson
13	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00047348	0.00066809	0.00011482%	41-00379-000	Warren	Jefferson
13	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00031566	0.00044539	0.00007655%	41-00379-000	Warren	Jefferson
13	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00031566	0.00044539	0.00007655%	41-00379-000	Warren	Jefferson
13	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00031566	0.00044539	0.00007655%	41-00379-000	Warren	Jefferson
13	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00142045	0.00200426	0.00034447%	41-00379-000	Warren	Jefferson
13	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00142045	0.00200426	0.00034447%	41-00379-000	Warren	Jefferson
13	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.03125000	0.04409375	0.00757837%	41-00379-000	Warren	Jefferson
13	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.03125000	0.04409375	0.00757837%	41-00379-000	Warren	Jefferson
13	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.02083333	0.02939583	0.00505225%	41-00379-000	Warren	Jefferson
13	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.01041667	0.01469792	0.00252612%	41-00379-000	Warren	Jefferson
13	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.02083333	0.02939583	0.00505225%	41-00379-000	Warren	Jefferson
13	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00520833	0.00734896	0.00126306%	41-00379-000	Warren	Jefferson
13	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00520833	0.00734896	0.00126306%	41-00379-000	Warren	Jefferson
13	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00520833	0.00734896	0.00126306%	41-00379-000	Warren	Jefferson
13	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00520833	0.00734896	0.00126306%	41-00379-000	Warren	Jefferson

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TRACT NUMBER	COMMITTED WORKING INTEREST OWNER	ADDRESS	CITY	STATE	ZIP	LEASED Y/N	DECIMAL INTEREST IN TRACT	SURFACE ACRES IN UNIT	TRACT PARTICIPATION IN UNIT	TAX MAP PARCEL ID	TOWNSHIP	COUNTY
13	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.01041667	0.01469792	0.00252612%	41-00379-000	Warren	Jefferson
13	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00520833	0.00734896	0.00126306%	41-00379-000	Warren	Jefferson
13	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00520833	0.00734896	0.00126306%	41-00379-000	Warren	Jefferson
13	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00520833	0.00734896	0.00126306%	41-00379-000	Warren	Jefferson
13	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.03125000	0.04409375	0.00757837%	41-00379-000	Warren	Jefferson
13	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00520833	0.00734896	0.00126306%	41-00379-000	Warren	Jefferson
13	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00520833	0.00734896	0.00126306%	41-00379-000	Warren	Jefferson
13	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00520833	0.00734896	0.00126306%	41-00379-000	Warren	Jefferson
13	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00520833	0.00734896	0.00126306%	41-00379-000	Warren	Jefferson
13	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.12500000	0.17637500	0.03031347%	41-00379-000	Warren	Jefferson
14	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	1.00000000	0.75500000	0.12976143%	41-00380-000	Warren	Jefferson
15	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.50000000	0.32700000	0.05620131%	41-00593-000	Warren	Jefferson
15	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.50000000	0.32700000	0.05620131%	41-00593-000	Warren	Jefferson
16	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.50000000	0.02450000	0.00421080%	41-00595-000	Warren	Jefferson
16	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.50000000	0.02450000	0.00421080%	41-00595-000	Warren	Jefferson
17	Ascent Resources - Utica, LLC Attn: Kade R Smith	P.O. Box 13678	Oklahoma City	OK	73113	Y	1.00000000	22.51000000	3.86878112%	41-00695-000	Warren	Jefferson
18	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	1.00000000	0.30500000	0.05242018%	41-00695-001	Warren	Jefferson
19	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	1.00000000	0.06800000	0.01168712%	41-00701-000	Warren	Jefferson
20	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	1.00000000	1.67300000	0.28753757%	41-00756-000	Warren	Jefferson

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21	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	1.00000000	55.15300000	9.47911528%	41-00879-000	Warren	Jefferson
22	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.50000000	21.98550000	3.77863560%	41-00918-000	Warren	Jefferson
22	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.50000000	21.98550000	3.77863560%	41-00918-000	Warren	Jefferson
23	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	1.00000000	3.74100000	0.64296358%	41-00918-001	Warren	Jefferson
24A	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.50000000	15.10550000	2.59617384%	41-00991-000	Warren	Jefferson
24A	Ascent Resources - Utica, LLC Attn: Kade R Smith	P.O. Box 13678	Oklahoma City	OK	73113	Y	0.50000000	15.10550000	2.59617384%	41-00991-000	Warren	Jefferson
24B	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	1.00000000	0.94700000	0.16276036%	41-00991-000	Warren	Jefferson
25	Ascent Resources - Utica, LLC Attn: Kade R Smith	P.O. Box 13678	Oklahoma City	OK	73113	Y	1.00000000	0.99800000	0.17152570%	41-01190-000	Warren	Jefferson
26	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.50000000	0.24850000	0.04270956%	41-01273-000	Warren	Jefferson
26	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.50000000	0.24850000	0.04270956%	41-01273-000	Warren	Jefferson
28B	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	1.00000000	0.20500000	0.03523324%	41-01446-000	Warren	Jefferson
29	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	1.00000000	2.47100000	0.42468939%	41-02599-000	Warren	Jefferson
30	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	1.00000000	0.28800000	0.04949840%	41-02157-000	Warren	Jefferson
31	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	1.00000000	1.19100000	0.20469650%	41-02157-003	Warren	Jefferson
32	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	1.00000000	6.58300000	1.13141653%	41-02169-000	Warren	Jefferson
33	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	1.00000000	17.35500000	2.98279415%	41-02248-000	Warren	Jefferson
34	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.66666667	2.24866667	0.38647708%	41-02269-000	Warren	Jefferson
34	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.33333333	1.12433333	0.19323854%	41-02269-000	Warren	Jefferson
35A	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.50000000	21.29550000	3.66004568%	41-02289-000	Warren	Jefferson

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35A	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.1250000	5.32387500	0.91501142%	41-02289-000	Warren	Jefferson
35A	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.1762500	7.50666375	1.29016610%	41-02289-000	Warren	Jefferson
35A	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.1237500	5.27063625	0.90586131%	41-02289-000	Warren	Jefferson
35A	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.0750000	3.19432500	0.54900685%	41-02289-000	Warren	Jefferson
35B	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00892857	0.02083036	0.00358010%	41-02289-000	Warren	Jefferson
35B	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00595238	0.01388690	0.00238673%	41-02289-000	Warren	Jefferson
35B	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00595238	0.01388690	0.00238673%	41-02289-000	Warren	Jefferson
35B	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.01785714	0.04166071	0.00716020%	41-02289-000	Warren	Jefferson
35B	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	N	0.00892857	0.02083036	0.00358010%	41-02289-000	Warren	Jefferson
35B	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00892857	0.02083036	0.00358010%	41-02289-000	Warren	Jefferson
35B	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00390625	0.00911328	0.00156629%	41-02289-000	Warren	Jefferson
35B	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00390625	0.00911328	0.00156629%	41-02289-000	Warren	Jefferson
35B	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00390625	0.00911328	0.00156629%	41-02289-000	Warren	Jefferson
35B	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00390625	0.00911328	0.00156629%	41-02289-000	Warren	Jefferson
35B	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00312500	0.00729063	0.00125304%	41-02289-000	Warren	Jefferson
35B	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00312500	0.00729063	0.00125304%	41-02289-000	Warren	Jefferson
35B	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00312500	0.00729063	0.00125304%	41-02289-000	Warren	Jefferson
35B	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00312500	0.00729063	0.00125304%	41-02289-000	Warren	Jefferson
35B	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00312500	0.00729063	0.00125304%	41-02289-000	Warren	Jefferson

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TRACT NUMBER	COMMITTED WORKING INTEREST OWNER	ADDRESS	CITY	STATE	ZIP	LEASED Y/N	DECIMAL INTEREST IN TRACT	SURFACE ACRES IN UNIT	TRACT PARTICIPATION IN UNIT	TAX MAP PARCEL ID	TOWNSHIP	COUNTY
35B	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00223214	0.00520759	0.00089503%	41-02289-000	Warren	Jefferson
35B	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00111607	0.00260379	0.00044751%	41-02289-000	Warren	Jefferson
35B	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00111607	0.00260379	0.00044751%	41-02289-000	Warren	Jefferson
35B	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00223214	0.00520759	0.00089503%	41-02289-000	Warren	Jefferson
35B	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00223214	0.00520759	0.00089503%	41-02289-000	Warren	Jefferson
35B	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00223214	0.00520759	0.00089503%	41-02289-000	Warren	Jefferson
35B	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00223214	0.00520759	0.00089503%	41-02289-000	Warren	Jefferson
35B	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00223214	0.00520759	0.00089503%	41-02289-000	Warren	Jefferson
35B	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00223214	0.00520759	0.00089503%	41-02289-000	Warren	Jefferson
35B	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00390625	0.00911328	0.00156629%	41-02289-000	Warren	Jefferson
35B	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00390625	0.00911328	0.00156629%	41-02289-000	Warren	Jefferson
35B	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00390625	0.00911328	0.00156629%	41-02289-000	Warren	Jefferson
35B	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00390625	0.00911328	0.00156629%	41-02289-000	Warren	Jefferson
35B	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00390625	0.00911328	0.00156629%	41-02289-000	Warren	Jefferson
35B	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00390625	0.00911328	0.00156629%	41-02289-000	Warren	Jefferson
35B	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00390625	0.00911328	0.00156629%	41-02289-000	Warren	Jefferson
35B	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00390625	0.00911328	0.00156629%	41-02289-000	Warren	Jefferson
35B	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00390625	0.00911328	0.00156629%	41-02289-000	Warren	Jefferson
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35B	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00142045	0.00331392	0.00056956%	41-02289-000	Warren	Jefferson

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35B	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00142045	0.00331392	0.00056956%	41-02289-000	Warren	Jefferson
35B	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00142045	0.00331392	0.00056956%	41-02289-000	Warren	Jefferson
35B	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00015783	0.00036821	0.00006328%	41-02289-000	Warren	Jefferson
35B	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00015783	0.00036821	0.00006328%	41-02289-000	Warren	Jefferson
35B	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00015783	0.00036821	0.00006328%	41-02289-000	Warren	Jefferson
35B	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00015783	0.00036821	0.00006328%	41-02289-000	Warren	Jefferson
35B	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00015783	0.00036821	0.00006328%	41-02289-000	Warren	Jefferson
35B	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00015783	0.00036821	0.00006328%	41-02289-000	Warren	Jefferson
35B	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00015783	0.00036821	0.00006328%	41-02289-000	Warren	Jefferson
35B	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00015783	0.00036821	0.00006328%	41-02289-000	Warren	Jefferson
35B	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00015783	0.00036821	0.00006328%	41-02289-000	Warren	Jefferson
35B	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00015783	0.00036821	0.00006328%	41-02289-000	Warren	Jefferson
35B	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00142045	0.00331392	0.00056956%	41-02289-000	Warren	Jefferson
35B	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00142045	0.00331392	0.00056956%	41-02289-000	Warren	Jefferson
35B	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00047348	0.00110464	0.00018985%	41-02289-000	Warren	Jefferson
35B	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00031566	0.00073643	0.00012657%	41-02289-000	Warren	Jefferson
35B	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00031566	0.00073643	0.00012657%	41-02289-000	Warren	Jefferson
35B	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00031566	0.00073643	0.00012657%	41-02289-000	Warren	Jefferson

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35B	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00142045	0.00331392	0.00056956%	41-02289-000	Warren	Jefferson
35B	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00142045	0.00331392	0.00056956%	41-02289-000	Warren	Jefferson
35B	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.03125000	0.07290625	0.01253036%	41-02289-000	Warren	Jefferson
35B	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.03125000	0.07290625	0.01253036%	41-02289-000	Warren	Jefferson
35B	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.02083333	0.04860417	0.00835357%	41-02289-000	Warren	Jefferson
35B	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.01041667	0.02430208	0.00417679%	41-02289-000	Warren	Jefferson
35B	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.02083333	0.04860417	0.00835357%	41-02289-000	Warren	Jefferson
35B	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00520833	0.01215104	0.00208839%	41-02289-000	Warren	Jefferson
35B	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00520833	0.01215104	0.00208839%	41-02289-000	Warren	Jefferson
35B	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00520833	0.01215104	0.00208839%	41-02289-000	Warren	Jefferson
35B	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00520833	0.01215104	0.00208839%	41-02289-000	Warren	Jefferson
35B	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00520833	0.01215104	0.00208839%	41-02289-000	Warren	Jefferson
35B	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00520833	0.01215104	0.00208839%	41-02289-000	Warren	Jefferson
35B	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.03125000	0.07290625	0.01253036%	41-02289-000	Warren	Jefferson
35B	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00520833	0.01215104	0.00208839%	41-02289-000	Warren	Jefferson
35B	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00520833	0.01215104	0.00208839%	41-02289-000	Warren	Jefferson
35B	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00520833	0.01215104	0.00208839%	41-02289-000	Warren	Jefferson

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35B	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00520833	0.01215104	0.00208839%	41-02289-000	Warren	Jefferson
35B	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.12500000	0.29162500	0.05012143%	41-02289-000	Warren	Jefferson
36	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.96875000	3.19590625	0.54927862%	41-02306-000	Warren	Jefferson
36	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.03125000	0.10309375	0.01771867%	41-02306-000	Warren	Jefferson
37A	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.96875000	0.27706250	0.04761858%	41-02306-001	Warren	Jefferson
37A	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.03125000	0.00893750	0.00153608%	41-02306-001	Warren	Jefferson
37B	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	N	1.00000000	0.43300000	0.07441947%	41-02306-001	Warren	Jefferson
38	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00892857	0.00307143	0.00052788%	41-02306-002	Warren	Jefferson
38	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00595238	0.00204762	0.00035192%	41-02306-002	Warren	Jefferson
38	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00595238	0.00204762	0.00035192%	41-02306-002	Warren	Jefferson
38	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.01785714	0.00614286	0.00105577%	41-02306-002	Warren	Jefferson
38	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	N	0.00892857	0.00307143	0.00052788%	41-02306-002	Warren	Jefferson
38	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00892857	0.00307143	0.00052788%	41-02306-002	Warren	Jefferson
38	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00390625	0.00134375	0.00023095%	41-02306-002	Warren	Jefferson
38	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00390625	0.00134375	0.00023095%	41-02306-002	Warren	Jefferson
38	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00390625	0.00134375	0.00023095%	41-02306-002	Warren	Jefferson
38	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00312500	0.00107500	0.00018476%	41-02306-002	Warren	Jefferson
38	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00312500	0.00107500	0.00018476%	41-02306-002	Warren	Jefferson

Exhibit A-4

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38	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00312500	0.00107500	0.00018476%	41-02306-002	Warren	Jefferson
38	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00312500	0.00107500	0.00018476%	41-02306-002	Warren	Jefferson
38	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00312500	0.00107500	0.00018476%	41-02306-002	Warren	Jefferson
38	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00223214	0.00076786	0.00013197%	41-02306-002	Warren	Jefferson
38	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00111607	0.00038393	0.00006599%	41-02306-002	Warren	Jefferson
38	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00111607	0.00038393	0.00006599%	41-02306-002	Warren	Jefferson
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38	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00223214	0.00076786	0.00013197%	41-02306-002	Warren	Jefferson
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38	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00142045	0.00048864	0.00008398%	41-02306-002	Warren	Jefferson
38	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00142045	0.00048864	0.00008398%	41-02306-002	Warren	Jefferson
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38	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00015783	0.00005429	0.00000933%	41-02306-002	Warren	Jefferson
38	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00015783	0.00005429	0.00000933%	41-02306-002	Warren	Jefferson
38	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00015783	0.00005429	0.00000933%	41-02306-002	Warren	Jefferson
38	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00015783	0.00005429	0.00000933%	41-02306-002	Warren	Jefferson
38	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00015783	0.00005429	0.00000933%	41-02306-002	Warren	Jefferson
38	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00015783	0.00005429	0.00000933%	41-02306-002	Warren	Jefferson
38	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00142045	0.00048864	0.00008398%	41-02306-002	Warren	Jefferson
38	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00142045	0.00048864	0.00008398%	41-02306-002	Warren	Jefferson
38	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00142045	0.00048864	0.00008398%	41-02306-002	Warren	Jefferson
38	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00047348	0.00016288	0.00002799%	41-02306-002	Warren	Jefferson

Exhibit A-4 All Committed Working Interest Owners in the proposed Angelo Unit												
TRACT NUMBER	COMMITTED WORKING INTEREST OWNER	ADDRESS	CITY	STATE	ZIP	LEASED Y/N	DECIMAL INTEREST IN TRACT	SURFACE ACRES IN UNIT	TRACT PARTICIPATION IN UNIT	TAX MAP PARCEL ID	TOWNSHIP	COUNTY
38	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00031566	0.00010859	0.00001866%	41-02306-002	Warren	Jefferson
38	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00031566	0.00010859	0.00001866%	41-02306-002	Warren	Jefferson
38	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00031566	0.00010859	0.00001866%	41-02306-002	Warren	Jefferson
38	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00142045	0.00048864	0.00008398%	41-02306-002	Warren	Jefferson
38	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00142045	0.00048864	0.00008398%	41-02306-002	Warren	Jefferson
38	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.03125000	0.01075000	0.00184760%	41-02306-002	Warren	Jefferson
38	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.03125000	0.01075000	0.00184760%	41-02306-002	Warren	Jefferson
38	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.02083333	0.00716667	0.00123173%	41-02306-002	Warren	Jefferson
38	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.01041667	0.00358333	0.00061587%	41-02306-002	Warren	Jefferson
38	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.02083333	0.00716667	0.00123173%	41-02306-002	Warren	Jefferson
38	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00520833	0.00179167	0.00030793%	41-02306-002	Warren	Jefferson
38	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00520833	0.00179167	0.00030793%	41-02306-002	Warren	Jefferson
38	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00520833	0.00179167	0.00030793%	41-02306-002	Warren	Jefferson
38	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00520833	0.00179167	0.00030793%	41-02306-002	Warren	Jefferson
38	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00520833	0.00179167	0.00030793%	41-02306-002	Warren	Jefferson
38	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.01041667	0.00358333	0.00061587%	41-02306-002	Warren	Jefferson
38	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00520833	0.00179167	0.00030793%	41-02306-002	Warren	Jefferson
38	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00520833	0.00179167	0.00030793%	41-02306-002	Warren	Jefferson
38	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00520833	0.00179167	0.00030793%	41-02306-002	Warren	Jefferson
38	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.03125000	0.01075000	0.00184760%	41-02306-002	Warren	Jefferson

Exhibit A-4 All Committed Working Interest Owners in the proposed Angelo Unit												
TRACT NUMBER	COMMITTED WORKING INTEREST OWNER	ADDRESS	CITY	STATE	ZIP	LEASED Y/N	DECIMAL INTEREST IN TRACT	SURFACE ACRES IN UNIT	TRACT PARTICIPATION IN UNIT	TAX MAP PARCEL ID	TOWNSHIP	COUNTY
38	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00520833	0.00179167	0.00030793%	41-02306-002	Warren	Jefferson
38	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00520833	0.00179167	0.00030793%	41-02306-002	Warren	Jefferson
38	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00520833	0.00179167	0.00030793%	41-02306-002	Warren	Jefferson
38	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00520833	0.00179167	0.00030793%	41-02306-002	Warren	Jefferson
38	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.00520833	0.00179167	0.00030793%	41-02306-002	Warren	Jefferson
39	Ascent Resources - Utica, LLC Attn: Kade R Smith	P.O. Box 13678	Oklahoma City	OK	73113	Y	1.00000000	1.04500000	0.17960357%	41-02350-000	Warren	Jefferson
40	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	1.00000000	1.04500000	0.17960357%	41-02535-000	Warren	Jefferson
41	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	1.00000000	0.77900000	0.13388629%	41-02541-000	Warren	Jefferson
42	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	1.00000000	0.24300000	0.04176427%	41-02579-000	Warren	Jefferson
43A	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	1.00000000	61.57900000	10.58354831%	41-02590-000	Warren	Jefferson
45	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.50000000	0.51650000	0.08877057%	41-02671-000	Warren	Jefferson
45	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.25000000	0.25825000	0.04438528%	41-02671-000	Warren	Jefferson
45	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.25000000	0.25825000	0.04438528%	41-02671-000	Warren	Jefferson
46	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	1.00000000	9.07800000	1.56023079%	41-02674-000	Warren	Jefferson
47	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	1.00000000	3.00000000	0.51560832%	41-02674-001	Warren	Jefferson
48	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.50000000	0.53350000	0.09169235%	41-02675-000	Warren	Jefferson
48	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.25000000	0.26675000	0.04584617%	41-02675-000	Warren	Jefferson
48	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.25000000	0.26675000	0.04584617%	41-02675-000	Warren	Jefferson

Exhibit A-4

All Committed Working Interest Owners in the proposed Angelo Unit

TRACT NUMBER	COMMITTED WORKING INTEREST OWNER	ADDRESS	CITY	STATE	ZIP	LEASED Y/N	DECIMAL INTEREST IN TRACT	SURFACE ACRES IN UNIT	TRACT PARTICIPATION IN UNIT	TAX MAP PARCEL ID	TOWNSHIP	COUNTY
49	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	1.00000000	21.09500000	3.62558586%	41-02676-000	Warren	Jefferson
49	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y				41-02676-000	Warren	Jefferson
49	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y				41-02676-000	Warren	Jefferson
51	Ascent Resources - Utica, LLC Attn: Kade R Smith	P.O. Box 13678	Oklahoma City	OK	73113	Y	1.00000000	3.64200000	0.62594850%	41-02682-000	Warren	Jefferson
52	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	1.00000000	2.51200000	0.43173604%	41-02682-001	Warren	Jefferson
53	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	1.00000000	15.31900000	2.63286797%	41-02682-006	Warren	Jefferson
56	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.60000000	11.24280000	1.93229375%	41-02716-000	Warren	Jefferson
56	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	0.40000000	7.49520000	1.28819583%	41-02716-000	Warren	Jefferson
57	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	1.00000000	5.36400000	0.92190768%	41-02759-000	Warren	Jefferson
57	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y				41-02759-000	Warren	Jefferson
57	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y				41-02759-000	Warren	Jefferson
59	Gulfport Appalachia, LLC Attn: Bill Eischeid	3001 Quail Springs Parkway	Oklahoma City	OK	73134	Y	1.00000000	15.75900000	2.70849052%	41-02394-000	Warren	Jefferson

TOTAL COMMITTED ACRES:	513.97845871	88.33719043%
TOTAL UNIT ACRES:	581.83700000	

*UNLEASED MINERAL INTEREST OWNER

END OF EXHIBIT "A-4"

Exhibit A-5

All Uncommitted Working Interest Owners in the proposed Angelo Unit

TRACT NUMBER	UNCOMMITTED WORKING INTEREST OWNER	ADDRESS	CITY	STATE	ZIP	LEASED Y/N	DECIMAL INTEREST IN TRACT	SURFACE ACRES IN UNIT	TRACT PARTICIPATION IN UNIT	TAX MAP PARCEL ID	TOWNSHIP	COUNTY
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NONE

TOTAL UNCOMMITTED ACRES:	0.00000000	0.00000000%
TOTAL UNIT ACRES:	581.83700000	

*UNLEASED MINERAL INTEREST OWNER

END OF EXHIBIT "A-5"

Exhibit A-6

All parcels subject to pending ownership litigation in the proposed Angelo Unit

TRACT NUMBER	OWNERSHIP DISPUTE PARTIES	ADDRESS	CITY	STATE	ZIP	LEASED Y/N	DECIMAL INTEREST IN TRACT	SURFACE ACRES IN UNIT	TRACT PARTICIPATION IN UNIT	TAX MAP PARCEL ID	TOWNSHIP	COUNTY
36	George K. Pernick and Norma J. Pernick, husband and wife, for their joint lives, remainder to the survivor of them	42 Township Road 112	Rayland	OH	43943	Y	0.96875000	3.19590625	0.54927862%	41-02306-000	Warren	Jefferson
36	Joanne E. Dallas, a single woman	7739 Chalkstone Dr.	Dallas	TX	75248	Y	0.03125000	0.10309375	0.01771867%	41-02306-000	Warren	Jefferson
37A	George K. Pernick and Norma J. Pernick, husband and wife, for their joint lives, remainder to the survivor of them	42 Township Road 112	Rayland	OH	43943	Y	0.96875000	0.27706250	0.04761858%	41-02306-001	Warren	Jefferson
37A	Joanne E. Dallas, a single woman	7739 Chalkstone Dr.	Dallas	TX	75248	Y	0.03125000	0.00893750	0.00153608%	41-02306-001	Warren	Jefferson

TOTAL ACRES PENDING OWNERSHIP LITIGATION:	3.5850000	0.61615195%
TOTAL UNIT ACRES:	581.8370000	

END OF EXHIBIT "A-6"

EXHIBIT "B"

PAID-UP OIL & GAS LEASE

This Lease made this _____ day of _____ 2020, by and between _____, of _____ hereinafter collectively called "Lessor," and **GULFPORT APPALACHIA, LLC**, a Delaware Limited Liability Company with a mailing address of 3001 Quail Springs Parkway, Oklahoma City, OK 73134, hereinafter called "Lessee."

WITNESSETH, that for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, and of the mutual covenants and agreements hereinafter set forth, the Lessor and Lessee agree as follows:

LEASING CLAUSE. Lessor hereby leases exclusively to Lessee all the oil and gas (including, but not limited to coal seam gas, coalbed methane gas, coalbed gas, methane gas, gob gas, occluded methane/natural gas and all associated natural gas and other hydrocarbons and non-hydrocarbons contained in, associated with, emitting from, or produced/originating within any formation, gob area, mined-out area, coal seam, and all communicating zones), and their liquid or gaseous constituents, whether hydrocarbon or non-hydrocarbon, underlying the land herein leased, together with such exclusive rights as may be necessary or convenient for Lessee, at its election, to explore for, develop, produce, measure, and market production from the Leasehold, and from adjoining lands, using methods and techniques which are not restricted to current technology, including the right to conduct exclusive geophysical and other exploratory tests; to drill, maintain, operate, cease to operate, plug, abandon, and remove wells; to use or install roads, electric power and telephone facilities, and to construct pipelines with appurtenant facilities, including data acquisition, compression and collection facilities for use in the production and transportation of products from the Leasehold or from neighboring lands across the Leasehold, to use oil, gas, and non-domestic water sources, free of cost, to store gas of any kind underground, regardless of the source thereof, including the injecting of gas therein and removing the same therefrom; to protect stored gas; to operate, maintain, repair, and remove material and equipment.

DESCRIPTION. The Leasehold is located in the Township of _____, in the County of _____, in the State of Ohio, and described as follows:

Tax Parcel Identification Number; Twp/Section/Twp No/Range/Qtr:
_____; ____ / ____ / ____ :

and is bounded formerly or currently as follows:

On the North by lands of _____;
On the East by lands of _____;
On the South by lands of _____;
On the West by lands of _____;

"See Exhibit "A" attached hereto and made a part hereof for Other Provisions of this lease"

Including the lands acquired from _____, by virtue of Warranty Deed, dated _____, and recorded in Deed Book _____, at Page _____, at the Recorder's office of _____ County, Ohio, and described for the purposes of this agreement as containing a total of _____ acres, whether actually more or less, and including contiguous interest owned by Lessor. This Lease also covers and includes, in addition to that above described, all land, if any, contiguous or adjacent to or adjoining the land above described and (a) owned or claimed by Lessor by limitation, prescription, possession, reversion or unrecorded instrument or (b) as to which Lessor has a preference right of acquisition. Lessor agrees to execute any supplemental instrument requested by Lessee for a more complete or accurate description of said land.

LEASE TERM. This Lease shall remain in force for a primary term of **Five (5) years** from 12:00 A.M. _____, 2020 (effective date) to 11:59 P.M. _____, 2025 (last day of primary term) and shall continue beyond the primary term as to the entirety of the Leasehold if any of the following is satisfied: (i) operations are conducted on the Leasehold or lands pooled/unitized therewith in search of oil, gas, or their constituents, or (ii) a well deemed by Lessee to be capable of production is located on the Leasehold or lands pooled/unitized therewith, or (iii) oil or gas, or their constituents, are produced from the Leasehold or lands pooled/unitized therewith, or (iv) if the Leasehold or lands pooled/unitized therewith is used for the underground storage of gas, or for the protection of stored gas, or (v) if prescribed payments are made, or (vi) if Lessee's operations are delayed, postponed or interrupted as a result of any coal, stone or other mining or mining related operation under any existing and effective lease, permit or authorization covering such operations on the leased premises or on other lands affecting the leased premises, such delay will automatically extend the primary or secondary term of this oil and gas lease without additional compensation or performance by Lessee for a period of time equal to any such delay, postponement or interruption. If there is any dispute concerning the extension of this Lease beyond the primary term by reason of any of the alternative mechanisms specified herein, the payment to the Lessor of the prescribed payments provided below shall be conclusive evidence that the Lease has been extended beyond the primary term.

EXHIBIT "B"

EXTENSION OF PRIMARY TERM. Lessee has the option to extend the primary term of this Lease for one additional term of five (5) years from the expiration of the primary term of this Lease; said extension to be under the same terms and conditions as contained in this Lease. Lessee may exercise this option to extend this Lease if on or before the expiration date of the primary term of this Lease, Lessee pays or tenders to the Lessor or to the Lessor's credit an extension payment of the same consideration as was paid in this lease per Leasehold acre, only insofar as those acres intended to be renewed by Lessee. Exercise of this option is at Lessee's sole discretion and may be invoked by Lessee where no other alternative of the Lease Term clause extends this Lease beyond the primary term.

NO AUTOMATIC TERMINATION OR FORFEITURE.

(A) CONSTRUCTION OF LEASE: The language of this Lease (including, but not limited to, the Lease Term and Extension of Term clauses) shall never be read as language of special limitation. This Lease shall be construed against termination, forfeiture, cancellation or expiration and in favor of giving effect to the continuation of this Lease where the circumstances exist to maintain this Lease in effect under any of the alternative mechanisms set forth above. In connection therewith, (i) a well shall be deemed to be capable of production if it has the capacity to produce a profit over operating costs, without regard to any capital costs to drill or equip the well, or to deliver the oil or gas to market, and (ii) the Lessee shall be deemed to be conducting operations in search of oil or gas, or their constituents, if the Lessee is engaged in geophysical and other exploratory work including, but not limited to, activities to drill an initial well, to drill a new well, or to rework, stimulate, deepen, sidetrack, frac, plug back in the same or different formation or repair a well or equipment on the Leasehold or any lands pooled/unitized therewith (such activities shall include, but not be limited to, performing any preliminary or preparatory work necessary for drilling, conducting internal technical analysis to initiate and/or further develop a well, obtaining permits and approvals associated therewith and may include reasonable gaps in activities provided that there is a continuum of activities showing a good faith effort to develop a well or that the cessation or interruption of activities was beyond the control of Lessee, including interruptions caused by the acts of third parties over whom Lessee has no control or regulatory delays associated with any approval process required for conducting such activities).

(B) LIMITATION OF FORFEITURE: This Lease shall never be subject to a civil action or proceeding to enforce a claim of termination, cancellation, expiration or forfeiture due to any action or inaction by the Lessee, including, but not limited to making any prescribed payments authorized under the terms of this Lease, unless the Lessee has received written notice of Lessor's demand and thereafter fails or refuses to satisfy or provide justification responding to Lessor's demand within 60 days from the receipt of such notice. If Lessee timely responds to Lessor's demand, but in good faith disagrees with Lessor's position and sets forth the reasons therefore, such a response shall be deemed to satisfy this provision, this Lease shall continue in full force and effect and no further damages (or other claims for relief) will accrue in Lessor's favor during the pendency of the dispute, other than claims for payments that may be due under the terms of this Lease.

PAYMENTS TO LESSOR. In addition to the bonus paid by Lessee for the execution hereof, Lessee covenants to pay Lessor, proportionate to Lessor's percentage of ownership, as follows:

(A) DELAY RENTAL: To pay Lessor as Delay Rental, after the first year, at the rate of five dollars (\$5.00) per net acre per year payable in advance. **The parties hereto agree that this is a Paid-Up Lease with no further Delay Rental and/or Delay in Marketing payments due to Lessor during the primary term hereof.**

(B) ROYALTY: To pay Lessor as Royalty, less all taxes, assessments, and adjustments on production from the Leasehold, as follows:

1. **OIL:** To deliver to the credit of Lessor, free of cost, a Royalty of the equal **sixteen percent (16.00%)** part of all oil and any constituents thereof produced and marketed from the Leasehold.

2. **GAS:** To pay Lessor an amount equal to **sixteen percent (16.00%)** of the revenue realized by Lessee for all gas and the constituents thereof produced and marketed from the Leasehold, less the cost to transport, treat and process the gas and any losses in volumes to point of measurement that determines the revenue realized by Lessee. Lessee may withhold Royalty payment until such time as the total withheld exceeds fifty dollars (\$50.00).

(C) DELAY IN MARKETING: In the event that Lessee drills a well on the Leasehold or lands pooled/unitized therewith that is awaiting completion, or that Lessee deems to be capable of production, but does not market producible gas, oil, or their constituents therefrom, and there is no other basis for extending this Lease, Lessee shall pay after the primary term and until such time as marketing is established (or Lessee surrenders the Lease) a Delay in Marketing payment equal in amount and frequency to the annual Delay Rental payment, and this Lease shall remain in full force and effect to the same extent as payment of Royalty.

(D) SHUT-IN: In the event that production of oil, gas, or their constituents is interrupted and not marketed for a period of twelve (12) months, and there is no producing well on the Leasehold or lands pooled/unitized therewith, Lessee shall thereafter, as Royalty for constructive production, pay a Shut-in Royalty equal in amount and frequency to the annual Delay Rental payment until such time as production is re-established (or lessee surrenders the Lease) and this Lease shall remain in full force and effect. During Shut-in, Lessee shall have the right to rework, stimulate, or deepen any well on the Leasehold or to drill a new well on the Leasehold in an effort to re-establish production, whether from an original producing formation or from a different formation. In the event that the production from the only producing well on the Leasehold is interrupted for a period of less than twelve (12) months, this Lease shall remain in full force and effect without payment of Royalty or Shut-in Royalty.

(E) DAMAGES: Lessee will remove unnecessary equipment and materials and reclaim all disturbed lands at the completion of activities, and Lessee agrees to repair any damaged improvements to the land and pay for the loss of growing crops or marketable timber.

(F) MANNER OF PAYMENT: Lessee shall make or tender all payments due hereunder by check, payable to Lessor, at Lessor's last known address, and Lessee may withhold any payment pending notification by Lessor of a change in address. Payment may be tendered by mail or any comparable method (e.g., Federal Express), and payment is deemed complete upon mailing or dispatch. Where the due date for any payment specified herein falls on a holiday, Saturday or Sunday, payment tendered (mailed or dispatched) on the next business day is timely.

EXHIBIT "B"

(G) CHANGE IN LAND OWNERSHIP: Lessee shall not be bound by any change in the ownership of the Leasehold until furnished with such documentation as Lessee may reasonably require. Pending the receipt of documentation, Lessee may elect either to continue to make or withhold payments as if such a change had not occurred.

(H) TITLE: If Lessee receives evidence that Lessor does not have title to all or any part of the rights herein leased, Lessee may immediately withhold payments that would be otherwise due and payable hereunder to Lessor until the adverse claim is fully resolved.

(I) LIENS: Lessee may at its option pay and discharge any past due taxes, mortgages, judgments, or other liens and encumbrances on or against any land or interest included in the Leasehold; and Lessee shall be entitled to recover from the debtor, with legal interest and costs, by deduction from any future payments to Lessor or by any other lawful means. In the event the leased lands are encumbered by a prior mortgage, then, notwithstanding anything contained herein to the contrary, Lessee shall have the right to suspend the payment of any royalties due hereunder, without liability for interest, until such time as Lessor obtains at its own expense a subordination of the mortgage in a form acceptable to Lessee.

(J) CHARACTERIZATION OF PAYMENTS: Payments set forth herein are covenants, not special limitations, regardless of the manner in which these payments may be invoked. Any failure on the part of the Lessee to timely or otherwise properly tender payment can never result in an automatic termination, expiration, cancellation, or forfeiture of this Lease. Lessor recognizes and acknowledges that oil and gas lease payments, in the form of rental, bonus and royalty, can vary depending on multiple factors and that this Lease is the product of good faith negotiations. Lessor hereby agrees that the payment terms, as set forth herein, and any bonus payments paid to Lessor constitute full consideration for the Leasehold. Lessor further agrees that such payment terms and bonus payments are final and that Lessor will not seek to amend or modify the lease payments, or seek additional consideration based upon any differing terms which Lessee has or will negotiate with any other lessor/oil and gas owner.

(K) PAYMENT REDUCTIONS: If Lessor owns a lesser interest in the oil or gas than the entire undivided fee simple estate, then the bonus rentals (except for Delay Rental payments as set forth above), royalties and shut-in royalties hereunder shall be paid to Lessor only in the proportion which Lessor's interest bears to the whole and undivided fee.

UNITIZATION AND POOLING. Lessor grants Lessee the right to pool, unitize, or combine all or parts of the Leasehold with other lands, whether contiguous or not contiguous, leased or unleased, whether owned by Lessee or by others, at a time before or after drilling to create drilling or production units either by contract right or pursuant to governmental authorization. Pooling or unitizing in one or more instances shall not exhaust Lessee's pooling and unitizing rights hereunder, and Lessee is granted the right to change the size, shape, and conditions of operation or payment of any unit created. Lessor agrees to accept and receive out of the production or the revenue realized from the production of such unit, such proportional share of the Royalty from each unit well as the number of Leasehold acres included in the unit bears to the total number of acres in the unit. Otherwise, as to any part of the unit, drilling, operations in preparation for drilling, production, or shut-in production from the unit, or payment of Royalty, Shut-in Royalty, Delay in Marketing payment or Delay Rental attributable to any part of the unit (including non-Leasehold land) shall have the same effect upon the terms of this Lease as if a well were located on, or the subject activity attributable to, the Leasehold. In the event of conflict or inconsistency between the Leasehold acres ascribed to the Lease, and the local property tax assessment calculation of the lands covered by the Lease, or the deeded acreage amount, Lessee may, at its option, rely on the latter as being determinative for the purposes of this paragraph.

FACILITIES. Lessee shall not drill a well on the Leasehold within 500 feet of any structure located on the Leasehold without Lessor's written consent. Lessor shall not erect any building or structure, or plant any trees within 200 feet of a well or within 25 feet of a pipeline without Lessee's written consent. Lessor shall not improve, modify, degrade, or restrict roads and facilities built by Lessee without Lessee's written consent.

CONVERSION TO STORAGE. Lessee is hereby granted the right to convert the Leasehold or lands pooled/unitized therewith to gas storage. At the time of conversion, Lessee shall pay Lessor's proportionate part for the estimated recoverable gas remaining in any well drilled pursuant to this Lease using methods of calculating gas reserves as are generally accepted by the natural gas industry and, in the event that all wells on the Leasehold and/or lands pooled/unitized therewith have permanently ceased production, Lessor shall be paid a Conversion to Storage payment in an amount equal to Delay Rental for as long thereafter as the Leasehold or lands pooled/unitized therewith is/are used for gas storage or for protection of gas storage; such Conversion to Storage payment shall first become due upon the next ensuing Delay Rental anniversary date. The use of any part of the Leasehold or lands pooled or unitized therewith for the underground storage of gas, or for the protection of stored gas will extend this Lease beyond the primary term as to all rights granted by this Lease, including but not limited to production rights, regardless of whether the production and storage rights are owned together or separately.

TITLE AND INTERESTS. Lessor hereby warrants and agrees to defend title to the Leasehold and covenants that Lessee shall have quiet enjoyment hereunder and shall have benefit of the doctrine of after acquired title. Should any person having title to the Leasehold fail to execute this Lease, the Lease shall nevertheless be binding upon all persons who do execute it as Lessor.

LEASE DEVELOPMENT. There is no implied covenant to drill, prevent drainage, further develop or market production within the primary term or any extension of term of this Lease. There shall be no Leasehold forfeiture, termination, expiration or cancellation for failure to comply with said implied covenants. Provisions herein, including, but not limited to the prescribed payments, constitute full compensation for the privileges herein granted.

EXHIBIT "B"

COVENANTS. This Lease and its expressed or implied covenants shall not be subject to termination, forfeiture of rights, or damages due to failure to comply with obligations if compliance is effectively prevented by federal, state, or local law, regulation, or decree, or the acts of God and/or third parties over whom Lessee has no control.

RIGHT OF FIRST REFUSAL. If at any time within the primary term of this Lease or any continuation or extension thereof, Lessor receives any bona fide offer, acceptable to Lessor, to grant an additional lease ("Top Lease") covering all or part of the Leasehold, Lessee shall have the continuing option by meeting any such offer to acquire a Top Lease on equivalent terms and conditions. Any offer must be in writing and must set forth the proposed Lessee's name, bonus consideration and royalty consideration to be paid for such Top Lease, and include a copy of the lease form to be utilized reflecting all pertinent and relevant terms and conditions of the Top Lease. Lessee shall have fifteen (15) days after receipt from Lessor of a complete copy of any such offer to advise Lessor in writing of its election to enter into an oil and gas lease with Lessor on equivalent terms and conditions. If Lessee fails to notify Lessor within the aforesaid fifteen (15) day period of its election to meet any such bona fide offer, Lessor shall have the right to accept said offer. Any Top Lease granted by Lessor in violation of this provision shall be null and void.

ARBITRATION. In the event of a disagreement between Lessor and Lessee concerning this Lease or the associated Order of Payment, performance thereunder, or damages caused by Lessee's operations, the resolution of all such disputes shall be determined by arbitration in accordance with the rules of the American Arbitration Association. Arbitration shall be the exclusive remedy and cover all disputes, including but not limited to, the formation, execution, validity and performance of the Lease and Order of Payment. All fees and costs associated with the arbitration shall be borne equally by Lessor and Lessee.

ENTIRE CONTRACT. The entire agreement between Lessor and Lessee is embodied herein and in the associated Order of Payment (if any). No oral warranties, representations, or promises have been made or relied upon by either party as an inducement to or modification of this Lease.

TITLE CURATIVE. Lessor agrees to execute affidavits, corrections, ratifications, amendments, permits and other instruments as may be necessary to carry out the purpose of this lease.

SURRENDER. Lessee, at any time, and from time to time, may surrender and cancel this Lease as to all or any part of the Leasehold by recording a Surrender of Lease and thereupon this Lease, and the rights and obligations of the parties hereunder, shall terminate as to the part so surrendered; provided, however, that upon each surrender as to any part of the Leasehold, Lessee shall have reasonable and convenient easements for then existing wells, pipelines, pole lines, roadways and other facilities on the lands surrendered.

SUCCESSORS. All rights, duties, and liabilities herein benefit and bind Lessor and Lessee and their heirs, successors, and assigns.

FORCE MAJEURE. All express or implied covenants of this Lease shall be subject to all applicable laws, rules, regulations and orders. When drilling, reworking, production or other operations hereunder, or Lessee's fulfillment of its obligations hereunder are prevented or delayed by such laws, rules, regulations or orders, or by inability to obtain necessary permits, equipment, services, material, water, electricity, fuel, access or easements, or by fire, flood, adverse weather conditions, war, sabotage, rebellion, insurrection, riot, strike or labor disputes, or by inability to obtain a satisfactory market for production or failure of purchasers or carriers to take or transport such production, or by any other cause not reasonably within Lessee's control, this Lease shall not terminate, in whole or in part, because of such prevention or delay, and, at Lessee's option, the period of such prevention or delay shall be added to the term hereof. Lessee shall not be liable in damages for breach of any express or implied covenants of this Lease for failure to comply therewith, if compliance is prevented by, or failure is the result of any applicable laws, rules, regulations or orders or operation of force majeure.

SEVERABILITY. This Lease is intended to comply with all applicable laws, rules, regulations, ordinances and governmental orders. If any provision of this Lease is held by a court of competent jurisdiction to be invalid, void, or unenforceable, the remaining provisions shall survive and continue in full force and effect to the maximum extent allowed by law. If a court of competent jurisdiction holds any provision of this Lease invalid, void, or unenforceable under applicable law, the court shall give the provision the greatest effect possible under the law and modify the provision so as to conform to applicable law if that can be done in a manner which does not frustrate the purpose of this Lease.

WARRANTY. Lessor hereby warrants and agrees to defend the title to the lands herein described, and agrees that the Lessee shall have the right at any time to redeem for Lessor by payment any mortgages, taxes, or other liens on the above described lands, in the event of default of payment by Lessor, and be subrogated to the rights of the holder thereof.

COUNTERPARTS. This Lease may be executed in one or more counterparts, each of which will be deemed to be an original copy of this Lease and all of which, when taken together, will be deemed to constitute one and the same agreement.

EXHIBIT “B”

EXECUTED this _____ day of _____ 2020

ACKNOWLEDGMENT

STATE OF _____)
) SS:
COUNTY OF _____)

On this, the _____ day of _____ 2020, before me _____, the undersigned officer, personally appeared _____, known to me (or satisfactorily proven) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged that he/she/they executed the same for the purposes therein contained.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.

My Commission Expires: _____

Signature/Notary Public: _____

Name/Notary Public (print): _____

Recorder: Prepared By and Return To:
Gulfport Appalachia, LLC
3001 Quail Springs Parkway
Oklahoma City, OK 73134

EXHIBIT "C" ACCOUNTING PROCEDURE JOINT OPERATIONS

1 Attached to and made part of that certain Joint Operating Agreement dated and effective July 13, 2020 by and between Gulfport Appalachia,
2 LLC, as Operator

4 I. GENERAL PROVISIONS

5 **IF THE PARTIES FAIL TO SELECT EITHER ONE OF COMPETING "ALTERNATIVE" PROVISIONS, OR SELECT ALL THE
6 COMPETING "ALTERNATIVE" PROVISIONS, ALTERNATIVE 1 IN EACH SUCH INSTANCE SHALL BE DEEMED TO HAVE
7 BEEN ADOPTED BY THE PARTIES AS A RESULT OF ANY SUCH OMISSION OR DUPLICATE NOTATION.**

9 **IN THE EVENT THAT ANY "OPTIONAL" PROVISION OF THIS ACCOUNTING PROCEDURE IS NOT ADOPTED BY THE
10 PARTIES TO THE AGREEMENT BY A TYPED, PRINTED OR HANDWRITTEN INDICATION, SUCH PROVISION SHALL NOT
11 FORM A PART OF THIS ACCOUNTING PROCEDURE, AND NO INFERENCE SHALL BE MADE CONCERNING THE INTENT
12 OF THE PARTIES IN SUCH EVENT.**

13 **1. DEFINITIONS**

16 All terms used in this Accounting Procedure shall have the following meaning, unless otherwise expressly defined in the Agreement:

18 **"Affiliate"** means for a person, another person that controls, is controlled by, or is under common control with that person. In this
19 definition, (a) control means the ownership by one person, directly or indirectly, of more than fifty percent (50%) of the voting securities
20 of a corporation or, for other persons, the equivalent ownership interest (such as partnership interests), and (b) "person" means an
21 individual, corporation, partnership, trust, estate, unincorporated organization, association, or other legal entity.

23 **"Agreement"** means the operating agreement, farmout agreement, or other contract between the Parties to which this Accounting
24 Procedure is attached.

26 **"Controllable Material"** means Material that, at the time of acquisition or disposition by the Joint Account, as applicable, is so classified
27 in the Material Classification Manual most recently recommended by the Council of Petroleum Accountants Societies (COPAS).

29 **"Equalized Freight"** means the procedure of charging transportation cost to the Joint Account based upon the distance from the nearest
30 Railway Receiving Point to the property.

32 **"Excluded Amount"** means a specified excluded trucking amount most recently recommended by COPAS.

34 **"Field Office"** means a structure, or portion of a structure, whether a temporary or permanent installation, the primary function of which is
35 to directly serve daily operation and maintenance activities of the Joint Property and which serves as a staging area for directly chargeable
36 field personnel.

38 **"First Level Supervision"** means those employees whose primary function in Joint Operations is the direct oversight of the Operator's
39 field employees and/or contract labor directly employed On-site in a field operating capacity. First Level Supervision functions may
40 include, but are not limited to:

42 • Responsibility for field employees and contract labor engaged in activities that can include field operations, maintenance,
43 construction, well remedial work, equipment movement and drilling
44 • Responsibility for day-to-day direct oversight of rig operations
45 • Responsibility for day-to-day direct oversight of construction operations
46 • Coordination of job priorities and approval of work procedures
47 • Responsibility for optimal resource utilization (equipment, Materials, personnel)
48 • Responsibility for meeting production and field operating expense targets
49 • Representation of the Parties in local matters involving community, vendors, regulatory agents and landowners, as an incidental
50 part of the supervisor's operating responsibilities
51 • Responsibility for all emergency responses with field staff
52 • Responsibility for implementing safety and environmental practices
53 • Responsibility for field adherence to company policy
54 • Responsibility for employment decisions and performance appraisals for field personnel
55 • Oversight of sub-groups for field functions such as electrical, safety, environmental, telecommunications, which may have group
56 or team leaders.

58 **"Joint Account"** means the account showing the charges paid and credits received in the conduct of the Joint Operations that are to be
59 shared by the Parties, but does not include proceeds attributable to hydrocarbons and by-products produced under the Agreement.

61 **"Joint Operations"** means all operations necessary or proper for the exploration, appraisal, development, production, protection,
62 maintenance, repair, abandonment, and restoration of the Joint Property.

1 **“Joint Property”** means the real and personal property subject to the Agreement.
2

3 **“Laws”** means any laws, rules, regulations, decrees, and orders of the United States of America or any state thereof and all other
4 governmental bodies, agencies, and other authorities having jurisdiction over or affecting the provisions contained in or the transactions
5 contemplated by the Agreement or the Parties and their operations, whether such laws now exist or are hereafter amended, enacted,
6 promulgated or issued.
7

8 **“Material”** means personal property, equipment, supplies, or consumables acquired or held for use by the Joint Property.
9

10 **“Non-Operators”** means the Parties to the Agreement other than the Operator.
11

12 **“Offshore Facilities”** means platforms, surface and subsea development and production systems, and other support systems such as oil and
13 gas handling facilities, living quarters, offices, shops, cranes, electrical supply equipment and systems, fuel and water storage and piping,
14 helipad, marine docking installations, communication facilities, navigation aids, and other similar facilities necessary in the conduct of
15 offshore operations, all of which are located offshore.
16

17 **“Off-site”** means any location that is not considered On-site as defined in this Accounting Procedure.
18

19 **“On-site”** means on the Joint Property when in direct conduct of Joint Operations. The term “On-site” shall also include that portion of
20 Offshore Facilities, Shore Base Facilities, fabrication yards, and staging areas from which Joint Operations are conducted, or other
21 facilities that directly control equipment on the Joint Property, regardless of whether such facilities are owned by the Joint Account.
22

23 **“Operator”** means the Party designated pursuant to the Agreement to conduct the Joint Operations.
24

25 **“Parties”** means legal entities signatory to the Agreement or their successors and assigns. Parties shall be referred to individually as
26 “Party.”
27

28 **“Participating Interest”** means the percentage of the costs and risks of conducting an operation under the Agreement that a Party agrees,
29 or is otherwise obligated, to pay and bear.
30

31 **“Participating Party”** means a Party that approves a proposed operation or otherwise agrees, or becomes liable, to pay and bear a share of
32 the costs and risks of conducting an operation under the Agreement.
33

34 **“Personal Expenses”** means reimbursed costs for travel and temporary living expenses.
35

36 **“Railway Receiving Point”** means the railhead nearest the Joint Property for which freight rates are published, even though an actual
37 railhead may not exist.
38

39 **“Shore Base Facilities”** means onshore support facilities that during Joint Operations provide such services to the Joint Property as a
40 receiving and transshipment point for Materials; debarkation point for drilling and production personnel and services; communication,
41 scheduling and dispatching center; and other associated functions serving the Joint Property.
42

43 **“Supply Store”** means a recognized source or common stock point for a given Material item.
44

45 **“Technical Services”** means services providing specific engineering, geoscience, or other professional skills, such as those performed by
46 engineers, geologists, geophysicists, and technicians, required to handle specific operating conditions and problems for the benefit of Joint
47 Operations; provided, however, Technical Services shall not include those functions specifically identified as overhead under the second
48 paragraph of the introduction of Section III (*Overhead*). Technical Services may be provided by the Operator, Operator’s Affiliate, Non-
49 Operator, Non-Operator Affiliates, and/or third parties.
50

51 **2. STATEMENTS AND BILLINGS**

52

53 The Operator shall bill Non-Operators on or before the last day of the month for their proportionate share of the Joint Account for the
54 preceding month. Such bills shall be accompanied by statements that identify the AFE (authority for expenditure), lease or facility, and all
55 charges and credits summarized by appropriate categories of investment and expense. Controllable Material shall be separately identified
56 and fully described in detail, or at the Operator’s option, Controllable Material may be summarized by major Material classifications.
57 Intangible drilling costs, audit adjustments, and unusual charges and credits shall be separately and clearly identified.
58

59 The Operator may make available to Non-Operators any statements and bills required under Section I.2 and/or Section I.3.A (*Advances*
60 and *Payments by the Parties*) via email, electronic data interchange, internet websites or other equivalent electronic media in lieu of paper
61 copies. The Operator shall provide the Non-Operators instructions and any necessary information to access and receive the statements and
62 bills within the timeframes specified herein. A statement or billing shall be deemed as delivered twenty-four (24) hours (exclusive of
63 weekends and holidays) after the Operator notifies the Non-Operator that the statement or billing is available on the website and/or sent via
64 email or electronic data interchange transmission. Each Non-Operator individually shall elect to receive statements and billings
65 electronically, if available from the Operator, or request paper copies. Such election may be changed upon thirty (30) days prior written
66 notice to the Operator.

1 **3. ADVANCES AND PAYMENTS BY THE PARTIES**

2

3 A. Unless otherwise provided for in the Agreement, the Operator may require the Non-Operators to advance their share of the estimated
4 cash outlay for the succeeding month's operations within fifteen (15) days after receipt of the advance request or by the first day of
5 the month for which the advance is required, whichever is later. The Operator shall adjust each monthly billing to reflect advances
6 received from the Non-Operators for such month. If a refund is due, the Operator shall apply the amount to be refunded to the
7 subsequent month's billing or advance, unless the Non-Operator sends the Operator a written request for a cash refund. The Operator
8 shall remit the refund to the Non-Operator within fifteen (15) days of receipt of such written request.

9

10 B. Except as provided below, each Party shall pay its proportionate share of all bills in full within thirty (30) ~~fifteen (15)~~ days of receipt. If
11 payment is not made within such time, the unpaid balance shall bear interest compounded monthly at the prime rate published by the
12 *Wall Street Journal* on the first day of each month the payment is delinquent, plus three percent (3%), per annum, or the maximum
13 contract rate permitted by the applicable usury Laws governing the Joint Property, whichever is the lesser, plus attorney's fees, court
14 costs, and other costs in connection with the collection of unpaid amounts. If the *Wall Street Journal* ceases to be published or
15 discontinues publishing a prime rate, the unpaid balance shall bear interest compounded monthly at the prime rate published by the
16 Federal Reserve plus three percent (3%), per annum. Interest shall begin accruing on the first day of the month in which the payment
17 was due. Payment shall not be reduced or delayed as a result of inquiries or anticipated credits unless the Operator has agreed.
18 Notwithstanding the foregoing, the Non-Operator may reduce payment, provided it furnishes documentation and explanation to the
19 Operator at the time payment is made, to the extent such reduction is caused by:
20

21 (1) being billed at an incorrect working interest or Participating Interest that is higher than such Non-Operator's actual working
22 interest or Participating Interest, as applicable; or
23 (2) being billed for a project or AFE requiring approval of the Parties under the Agreement that the Non-Operator has not approved
24 or is not otherwise obligated to pay under the Agreement; or
25 (3) being billed for a property in which the Non-Operator no longer owns a working interest, provided the Non-Operator has
26 furnished the Operator a copy of the recorded assignment or letter in-lieu. Notwithstanding the foregoing, the Non-Operator
27 shall remain responsible for paying bills attributable to the interest it sold or transferred for any bills rendered during the thirty
28 (30) day period following the Operator's receipt of such written notice; or
29 (4) charges outside the adjustment period, as provided in Section I.4 (*Adjustments*).

30

31 **4. ADJUSTMENTS**

32

33 A. Payment of any such bills shall not prejudice the right of any Party to protest or question the correctness thereof; however, all bills
34 and statements, including payout statements, rendered during any calendar year shall conclusively be presumed to be true and correct,
35 with respect only to expenditures, after twenty-four (24) months following the end of any such calendar year, unless within said
36 period a Party takes specific detailed written exception thereto making a claim for adjustment. The Operator shall provide a response
37 to all written exceptions, whether or not contained in an audit report, within the time periods prescribed in Section I.5 (*Expenditure
38 Audits*).

39

40 B. All adjustments initiated by the Operator, except those described in items (1) through (4) of this Section I.4.B, are limited to the
41 twenty-four (24) month period following the end of the calendar year in which the original charge appeared or should have appeared
42 on the Operator's Joint Account statement or payout statement. Adjustments that may be made beyond the twenty-four (24) month
43 period are limited to adjustments resulting from the following:
44

45 (1) a physical inventory of Controllable Material as provided for in Section V (*Inventories of Controllable Material*), or
46 (2) an offsetting entry (whether in whole or in part) that is the direct result of a specific joint interest audit exception granted by the
47 Operator relating to another property, or
48 (3) a government/regulatory audit, or
49 (4) a working interest ownership or Participating Interest adjustment.

50

51 **5. EXPENDITURE AUDITS**

52

53 A. A Non-Operator, upon written notice to the Operator and all other Non-Operators, shall have the right to audit the Operator's
54 accounts and records relating to the Joint Account within the twenty-four (24) month period following the end of such calendar year in
55 which such bill was rendered; however, conducting an audit shall not extend the time for the taking of written exception to and the
56 adjustment of accounts as provided for in Section I.4 (*Adjustments*). Any Party that is subject to payout accounting under the
57 Agreement shall have the right to audit the accounts and records of the Party responsible for preparing the payout statements, or of
58 the Party furnishing information to the Party responsible for preparing payout statements. Audits of payout accounts may include the
59 volumes of hydrocarbons produced and saved and proceeds received for such hydrocarbons as they pertain to payout accounting
60 required under the Agreement. Unless otherwise provided in the Agreement, audits of a payout account shall be conducted within the
61 twenty-four (24) month period following the end of the calendar year in which the payout statement was rendered.

62

63 Where there are two or more Non-Operators, the Non-Operators shall make every reasonable effort to conduct a joint audit in a
64 manner that will result in a minimum of inconvenience to the Operator. The Operator shall bear no portion of the Non-Operators'
65 audit cost incurred under this paragraph unless agreed to by the Operator. The audits shall not be conducted more than once each year
66 without prior approval of the Operator, except upon the resignation or removal of the Operator, and shall be made at the expense of

1 those Non-Operators approving such audit.
2

3 The Non-Operator leading the audit (hereinafter “lead audit company”) shall issue the audit report within ninety (90) days after
4 completion of the audit testing and analysis; however, the ninety (90) day time period shall not extend the twenty-four (24) month
5 requirement for taking specific detailed written exception as required in Section I.4.A (*Adjustments*) above. All claims shall be
6 supported with sufficient documentation.
7

8 A timely filed written exception or audit report containing written exceptions (hereinafter “written exceptions”) shall, with respect to
9 the claims made therein, preclude the Operator from asserting a statute of limitations defense against such claims, and the Operator
10 hereby waives its right to assert any statute of limitations defense against such claims for so long as any Non-Operator continues to
11 comply with the deadlines for resolving exceptions provided in this Accounting Procedure. If the Non-Operators fail to comply with
12 the additional deadlines in Section I.5.B or I.5.C, the Operator’s waiver of its rights to assert a statute of limitations defense against
13 the claims brought by the Non-Operators shall lapse, and such claims shall then be subject to the applicable statute of limitations,
14 provided that such waiver shall not lapse in the event that the Operator has failed to comply with the deadlines in Section I.5.B or
15 I.5.C.
16

17 B. The Operator shall provide a written response to all exceptions in an audit report within one hundred eighty (180) days after Operator
18 receives such report. Denied exceptions should be accompanied by a substantive response. If the Operator fails to provide substantive
19 response to an exception within this one hundred eighty (180) day period, the Operator will owe interest on that exception or portion
20 thereof, if ultimately granted, from the date it received the audit report. Interest shall be calculated using the rate set forth in Section
21 I.3.B (*Advances and Payments by the Parties*).
22

23 C. The lead audit company shall reply to the Operator’s response to an audit report within ninety (90) days of receipt, and the Operator
24 shall reply to the lead audit company’s follow-up response within ninety (90) days of receipt; provided, however, each Non-Operator
25 shall have the right to represent itself if it disagrees with the lead audit company’s position or believes the lead audit company is not
26 adequately fulfilling its duties. Unless otherwise provided for in Section I.5.E, if the Operator fails to provide substantive response
27 to an exception within this ninety (90) day period, the Operator will owe interest on that exception or portion thereof, if ultimately
28 granted, from the date it received the audit report. Interest shall be calculated using the rate set forth in Section I.3.B (*Advances and
29 Payments by the Parties*).
30

31 D. If any Party fails to meet the deadlines in Sections I.5.B or I.5.C or if any audit issues are outstanding fifteen (15) months after
32 Operator receives the audit report, the Operator or any Non-Operator participating in the audit has the right to call a resolution
33 meeting, as set forth in this Section I.5.D or it may invoke the dispute resolution procedures included in the Agreement, if applicable.
34 The meeting will require one month’s written notice to the Operator and all Non-Operators participating in the audit. The meeting
35 shall be held at the Operator’s office or mutually agreed location, and shall be attended by representatives of the Parties with
36 authority to resolve such outstanding issues. Any Party who fails to attend the resolution meeting shall be bound by any resolution
37 reached at the meeting. The lead audit company will make good faith efforts to coordinate the response and positions of the
38 Non-Operator participants throughout the resolution process; however, each Non-Operator shall have the right to represent itself.
39 Attendees will make good faith efforts to resolve outstanding issues, and each Party will be required to present substantive information
40 supporting its position. A resolution meeting may be held as often as agreed to by the Parties. Issues unresolved at one meeting may
41 be discussed at subsequent meetings until each such issue is resolved.
42

43 If the Agreement contains no dispute resolution procedures and the audit issues cannot be resolved by negotiation, the dispute shall
44 be submitted to mediation. In such event, promptly following one Party’s written request for mediation, the Parties to the dispute
45 shall choose a mutually acceptable mediator and share the costs of mediation services equally. The Parties shall each have present
46 at the mediation at least one individual who has the authority to settle the dispute. The Parties shall make reasonable efforts to
47 ensure that the mediation commences within sixty (60) days of the date of the mediation request. Notwithstanding the above, any
48 Party may file a lawsuit or complaint (1) if the Parties are unable after reasonable efforts, to commence mediation within sixty (60)
49 days of the date of the mediation request, (2) for statute of limitations reasons, or (3) to seek a preliminary injunction or other
50 provisional judicial relief, if in its sole judgment an injunction or other provisional relief is necessary to avoid irreparable damage or
51 to preserve the status quo. Despite such action, the Parties shall continue to try to resolve the dispute by mediation.
52

53 E. (*Optional Provision – Forfeiture Penalties*)

54 If the Non-Operators fail to meet the deadline in Section I.5.C, any unresolved exceptions that were not addressed by the Non-
55 Operators within one (1) year following receipt of the last substantive response of the Operator shall be deemed to have been
56 withdrawn by the Non-Operators. If the Operator fails to meet the deadlines in Section I.5.B or I.5.C, any unresolved exceptions that
57 were not addressed by the Operator within one (1) year following receipt of the audit report or receipt of the last substantive response
58 of the Non-Operators, whichever is later, shall be deemed to have been granted by the Operator and adjustments shall be made,
59 without interest, to the Joint Account.
60

61 6. APPROVAL BY PARTIES
62

63 A. GENERAL MATTERS
64

65 Where an approval or other agreement of the Parties or Non-Operators is expressly required under other Sections of this Accounting
66 Procedure and if the Agreement to which this Accounting Procedure is attached contains no contrary provisions in regard thereto, the

1 Operator shall notify all Non-Operators of the Operator's proposal and the agreement or approval of a majority in interest of the
2 Non-Operators shall be controlling on all Non-Operators.

3
4 This Section I.6.A applies to specific situations of limited duration where a Party proposes to change the accounting for charges from
5 that prescribed in this Accounting Procedure. This provision does not apply to amendments to this Accounting Procedure, which are
6 covered by Section I.6.B.

7
8 **B. AMENDMENTS**

9
10 If the Agreement to which this Accounting Procedure is attached contains no contrary provisions in regard thereto, this Accounting
11 Procedure can be amended by an affirmative vote of two (2) or more Parties, one of which is the Operator,
12 having a combined working interest of at least Sixty-Five percent (65 %), which approval shall be binding on all Parties,
13 provided, however, approval of at least one (1) Non-Operator shall be required.

14
15 **C. AFFILIATES**

16
17 For the purpose of administering the voting procedures of Sections I.6.A and I.6.B, if Parties to this Agreement are Affiliates of each
18 other, then such Affiliates shall be combined and treated as a single Party having the combined working interest or Participating
19 Interest of such Affiliates.

20
21 For the purposes of administering the voting procedures in Section I.6.A, if a Non-Operator is an Affiliate of the Operator, votes
22 under Section I.6.A shall require the majority in interest of the Non-Operator(s) after excluding the interest of the Operator's
23 Affiliate.

24
25 **II. DIRECT CHARGES**

26
27 The Operator shall charge the Joint Account with the following items:

28
29 **1. RENTALS AND ROYALTIES**

30
31 Lease rentals and royalties paid by the Operator, on behalf of all Parties, for the Joint Operations.

32
33 **2. LABOR**

34
35 A. Salaries and wages, including incentive compensation programs as set forth in COPAS MFI-37 ("Chargeability of Incentive
36 Compensation Programs"), for:

37
38 (1) Operator's field employees directly employed On-site in the conduct of Joint Operations,
39
40 (2) Operator's employees directly employed on Shore Base Facilities, Offshore Facilities, or other facilities serving the Joint
41 Property if such costs are not charged under Section II.6 (*Equipment and Facilities Furnished by Operator*) or are not a
42 function covered under Section III (*Overhead*),
43
44 (3) Operator's employees providing First Level Supervision,
45
46 (4) Operator's employees providing On-site Technical Services for the Joint Property if such charges are excluded from the
47 overhead rates in Section III (*Overhead*),
48
49 (5) Operator's employees providing Off-site Technical Services for the Joint Property if such charges are excluded from the
50 overhead rates in Section III (*Overhead*).

51
52 Charges for the Operator's employees identified in Section II.2.A may be made based on the employee's actual salaries and wages,
53 or in lieu thereof, a day rate representing the Operator's average salaries and wages of the employee's specific job category.

54
55 Charges for personnel chargeable under this Section II.2.A who are foreign nationals shall not exceed comparable compensation paid
56 to an equivalent U.S. employee pursuant to this Section II.2, unless otherwise approved by the Parties pursuant to Section
57 I.6.A (*General Matters*).

58
59 B. Operator's cost of holiday, vacation, sickness, and disability benefits, and other customary allowances paid to employees whose
60 salaries and wages are chargeable to the Joint Account under Section II.2.A, excluding severance payments or other termination
61 allowances. Such costs under this Section II.2.B may be charged on a "when and as-paid basis" or by "percentage assessment" on the
62 amount of salaries and wages chargeable to the Joint Account under Section II.2.A. If percentage assessment is used, the rate shall
63 be based on the Operator's cost experience.

64
65 C. Expenditures or contributions made pursuant to assessments imposed by governmental authority that are applicable to costs
66 chargeable to the Joint Account under Sections II.2.A and B.

1 D. Personal Expenses of personnel whose salaries and wages are chargeable to the Joint Account under Section II.2.A when the
2 expenses are incurred in connection with directly chargeable activities.
3
4 E. Reasonable relocation costs incurred in transferring to the Joint Property personnel whose salaries and wages are chargeable to the
5 Joint Account under Section II.2.A. Notwithstanding the foregoing, relocation costs that result from reorganization or merger of a
6 Party, or that are for the primary benefit of the Operator, shall not be chargeable to the Joint Account. Extraordinary relocation
7 costs, such as those incurred as a result of transfers from remote locations, such as Alaska or overseas, shall not be charged to the
8 Joint Account unless approved by the Parties pursuant to Section I.6.A (*General Matters*).
9
10 F. ~~Training costs as specified in COPAS MFI 35 ("Charging of Training Costs to the Joint Account") for personnel whose salaries and
11 wages are chargeable under Section II.2.A. This training charge shall include the wages, salaries, training course cost, and Personal
12 Expenses incurred during the training session. The training cost shall be charged or allocated to the property or properties directly
13 benefiting from the training. The cost of the training course shall not exceed prevailing commercial rates, where such rates are
14 available.~~
15
16 G. Operator's current cost of established plans for employee benefits, as described in COPAS MFI-27 ("Employee Benefits Chargeable
17 to Joint Operations and Subject to Percentage Limitation"), applicable to the Operator's labor costs chargeable to the Joint Account
18 under Sections II.2.A and B based on the Operator's actual cost not to exceed the employee benefits limitation percentage most
19 recently recommended by COPAS.
20
21 H. Award payments to employees, in accordance with COPAS MFI-49 ("Awards to Employees and Contractors") for personnel whose
22 salaries and wages are chargeable under Section II.2.A.
23

24 3. MATERIAL

25
26 Material purchased or furnished by the Operator for use on the Joint Property in the conduct of Joint Operations as provided under Section
27 IV (*Material Purchases, Transfers, and Dispositions*). Only such Material shall be purchased for or transferred to the Joint Property as
28 may be required for immediate use or is reasonably practical and consistent with efficient and economical operations. The accumulation
29 of surplus stocks shall be avoided.
30

31 4. TRANSPORTATION

32
33 A. Transportation of the Operator's, Operator's Affiliate's, or contractor's personnel necessary for Joint Operations.
34
35 B. Transportation of Material between the Joint Property and another property, or from the Operator's warehouse or other storage point
36 to the Joint Property, shall be charged to the receiving property using one of the methods listed below. Transportation of Material
37 from the Joint Property to the Operator's warehouse or other storage point shall be paid for by the Joint Property using one of the
38 methods listed below:
39
40 (1) If the actual trucking charge is less than or equal to the Excluded Amount the Operator may charge actual trucking cost or a
41 theoretical charge from the Railway Receiving Point to the Joint Property. The basis for the theoretical charge is the per
42 hundred weight charge plus fuel surcharges from the Railway Receiving Point to the Joint Property. The Operator shall
43 consistently apply the selected alternative.
44
45 (2) If the actual trucking charge is greater than the Excluded Amount, the Operator shall charge Equalized Freight. Accessorial
46 charges such as loading and unloading costs, split pick-up costs, detention, call out charges, and permit fees shall be charged
47 directly to the Joint Property and shall not be included when calculating the Equalized Freight.
48

49 5. SERVICES

50
51 The cost of contract services, equipment, and utilities used in the conduct of Joint Operations, except for contract services, equipment, and
52 utilities covered by Section III (*Overhead*), or Section II.7 (*Affiliates*), or excluded under Section II.9 (*Legal Expense*). Awards paid to
53 contractors shall be chargeable pursuant to COPAS MFI-49 ("Awards to Employees and Contractors").
54

55 The costs of third party Technical Services are chargeable to the extent excluded from the overhead rates under Section III (*Overhead*).
56

57 6. EQUIPMENT AND FACILITIES FURNISHED BY OPERATOR

59 In the absence of a separately negotiated agreement, equipment and facilities furnished by the Operator will be charged as follows:
60

61 A. The Operator shall charge the Joint Account for use of Operator-owned equipment and facilities, including but not limited to
62 production facilities, Shore Base Facilities, Offshore Facilities, and Field Offices, at rates commensurate with the costs of ownership
63 and operation. The cost of Field Offices shall be chargeable to the extent the Field Offices provide direct service to personnel who
64 are chargeable pursuant to Section II.2.A (*Labor*). Such rates may include labor, maintenance, repairs, other operating expense,
65 insurance, taxes, depreciation using straight line depreciation method, and interest on gross investment less accumulated depreciation
66 not to exceed Twelve percent (12%) per annum; provided, however, depreciation shall not be charged when the

1 equipment and facilities investment have been fully depreciated. The rate may include an element of the estimated cost for
2 abandonment, reclamation, and dismantlement. Such rates shall not exceed the average commercial rates currently prevailing in the
3 immediate area of the Joint Property.

4

5 B. In lieu of charges in Section II.6.A above, the Operator may elect to use average commercial rates prevailing in the immediate area
6 of the Joint Property, less twenty percent (20%). If equipment and facilities are charged under this Section II.6.B, the Operator shall
7 adequately document and support commercial rates and shall periodically review and update the rate and the supporting
8 documentation. For automotive equipment, the Operator may elect to use rates published by the Petroleum Motor Transport
9 Association (PMTA) or such other organization recognized by COPAS as the official source of rates.

10 **7. AFFILIATES**

11

12 A. Charges for an Affiliate's goods and/or services used in operations requiring an AFE or other authorization from the Non-Operators
13 may be made without the approval of the Parties provided (i) the Affiliate is identified and the Affiliate goods and services are
14 specifically detailed in the approved AFE or other authorization, and (ii) the total costs for such Affiliate's goods and services billed
15 to such individual project do not exceed \$ 50,000.00. If the total costs for an Affiliate's goods and services charged to such
16 individual project are not specifically detailed in the approved AFE or authorization or exceed such amount, charges for such
17 Affiliate shall require approval of the Parties, pursuant to Section I.6.A (*General Matters*).

18

19 B. For an Affiliate's goods and/or services used in operations not requiring an AFE or other authorization from the Non-Operators,
20 charges for such Affiliate's goods and services shall require approval of the Parties, pursuant to Section I.6.A (*General Matters*), if the
21 charges exceed \$ 100,000.00 in a given calendar year.

22

23 C. The cost of the Affiliate's goods or services shall not exceed average commercial rates prevailing in the area of the Joint Property,
24 unless the Operator obtains the Non-Operators' approval of such rates. The Operator shall adequately document and support
25 commercial rates and shall periodically review and update the rate and the supporting documentation; provided, however,
26 documentation of commercial rates shall not be required if the Operator obtains Non-Operator approval of its Affiliate's rates or
27 charges prior to billing Non-Operators for such Affiliate's goods and services. Notwithstanding the foregoing, direct charges for
28 Affiliate-owned communication facilities or systems shall be made pursuant to Section II.12 (*Communications*).

29

30

31 If the Parties fail to designate an amount in Sections II.7.A or II.7.B, in each instance the amount deemed adopted by the Parties as a
32 result of such omission shall be the amount established as the Operator's expenditure limitation in the Agreement. If the Agreement
33 does not contain an Operator's expenditure limitation, the amount deemed adopted by the Parties as a result of such omission shall be
34 zero dollars (\$ 0.00).

35

36 **8. DAMAGES AND LOSSES TO JOINT PROPERTY**

37

38 All costs or expenses necessary for the repair or replacement of Joint Property resulting from damages or losses incurred, except to the
39 extent such damages or losses result from a Party's or Parties' gross negligence or willful misconduct, in which case such Party or Parties
40 shall be solely liable.

41

42 The Operator shall furnish the Non-Operator written notice of damages or losses incurred as soon as practicable after a report has been
43 received by the Operator.

44 **9. LEGAL EXPENSE**

45

46 Recording fees and costs of handling, settling, or otherwise discharging litigation, claims, and liens incurred in or resulting from
47 operations under the Agreement, or necessary to protect or recover the Joint Property, to the extent permitted under the Agreement. Costs
48 of the Operator's or Affiliate's legal staff or outside attorneys, including fees and expenses, are not chargeable unless approved by the
49 Parties pursuant to Section I.6.A (*General Matters*) or otherwise provided for in the Agreement.

50

51 Notwithstanding the foregoing paragraph, costs for procuring abstracts, fees paid to outside attorneys for title examinations (including
52 preliminary, supplemental, shut-in royalty opinions, division order title opinions), and curative work shall be chargeable to the extent
53 permitted as a direct charge in the Agreement.

54 **10. TAXES AND PERMITS**

55

56 All taxes and permitting fees of every kind and nature, assessed or levied upon or in connection with the Joint Property, or the production
57 therefrom, and which have been paid by the Operator for the benefit of the Parties, including penalties and interest, except to the extent the
58 penalties and interest result from the Operator's gross negligence or willful misconduct.

59

60 If ad valorem taxes paid by the Operator are based in whole or in part upon separate valuations of each Party's working interest, then
61 notwithstanding any contrary provisions, the charges to the Parties will be made in accordance with the tax value generated by each Party's
62 working interest.

1 Costs of tax consultants or advisors, the Operator's employees, or Operator's Affiliate employees in matters regarding ad valorem or other
2 tax matters, are not permitted as direct charges unless approved by the Parties pursuant to Section I.6.A (*General Matters*).
3

4 Charges to the Joint Account resulting from sales/use tax audits, including extrapolated amounts and penalties and interest, are permitted,
5 provided the Non-Operator shall be allowed to review the invoices and other underlying source documents which served as the basis for
6 tax charges and to determine that the correct amount of taxes were charged to the Joint Account. If the Non-Operator is not permitted to
7 review such documentation, the sales/use tax amount shall not be directly charged unless the Operator can conclusively document the
8 amount owed by the Joint Account.
9

10 **11. INSURANCE**

11 Net premiums paid for insurance required to be carried for Joint Operations for the protection of the Parties. If Joint Operations are
12 conducted at locations where the Operator acts as self-insurer in regard to its worker's compensation and employer's liability insurance
13 obligation, the Operator shall charge the Joint Account manual rates for the risk assumed in its self-insurance program as regulated by the
14 jurisdiction governing the Joint Property. In the case of offshore operations in federal waters, the manual rates of the adjacent state shall be
15 used for personnel performing work On-site, and such rates shall be adjusted for offshore operations by the U.S. Longshoreman and
16 Harbor Workers (USL&H) or Jones Act surcharge, as appropriate.
17

18 **19. 12. COMMUNICATIONS**

19 Costs of acquiring, leasing, installing, operating, repairing, and maintaining communication facilities or systems, including satellite, radio
20 and microwave facilities, between the Joint Property and the Operator's office(s) directly responsible for field operations in accordance
21 with the provisions of COPAS MFI-44 ("Field Computer and Communication Systems"). If the communications facilities or systems
22 serving the Joint Property are Operator-owned, charges to the Joint Account shall be made as provided in Section II.6 (*Equipment and*
23 *Facilities Furnished by Operator*). If the communication facilities or systems serving the Joint Property are owned by the Operator's
24 Affiliate, charges to the Joint Account shall not exceed average commercial rates prevailing in the area of the Joint Property. The Operator
25 shall adequately document and support commercial rates and shall periodically review and update the rate and the supporting
26 documentation.
27

28 **30. 13. ECOLOGICAL, ENVIRONMENTAL, AND SAFETY**

30 Costs incurred for Technical Services and drafting to comply with ecological, environmental and safety Laws or standards recommended by
31 Occupational Safety and Health Administration (OSHA) or other regulatory authorities. All other labor and functions incurred for
32 ecological, environmental and safety matters, including management, administration, and permitting, shall be covered by Sections II.2
33 (*Labor*), II.5 (*Services*), or Section III (*Overhead*), as applicable.
34

35 Costs to provide or have available pollution containment and removal equipment plus actual costs of control and cleanup and resulting
36 responsibilities of oil and other spills as well as discharges from permitted outfalls as required by applicable Laws, or other pollution
37 containment and removal equipment deemed appropriate by the Operator for prudent operations, are directly chargeable.
38

39 **41. 14. ABANDONMENT AND RECLAMATION**

41 Costs incurred for abandonment and reclamation of the Joint Property, including costs required by lease agreements or by Laws.
42

43 **45. 15. OTHER EXPENDITURES**

45 Any other expenditure not covered or dealt with in the foregoing provisions of this Section II (*Direct Charges*), or in Section III
46 (*Overhead*) and which is of direct benefit to the Joint Property and is incurred by the Operator in the necessary and proper conduct of the
47 Joint Operations. Charges made under this Section II.15 shall require approval of the Parties, pursuant to Section I.6.A (*General Matters*).
48

49 **III. OVERHEAD**

51 As compensation for costs not specifically identified as chargeable to the Joint Account pursuant to Section II (*Direct Charges*), the Operator
52 shall charge the Joint Account in accordance with this Section III.
53

55 Functions included in the overhead rates regardless of whether performed by the Operator, Operator's Affiliates or third parties and regardless
56 of location, shall include, but not be limited to, costs and expenses of:
57

- 58 • warehousing, other than for warehouses that are jointly owned under this Agreement
- 59 • design and drafting (except when allowed as a direct charge under Sections II.13, III.1.A(ii), and III.2, Option B)
- 60 • inventory costs not chargeable under Section V (*Inventories of Controllable Material*)
- 61 • procurement
- 62 • administration
- 63 • accounting and auditing
- 64 • gas dispatching and gas chart integration

- 1 • human resources
- 2 • management
- 3 • supervision not directly charged under Section II.2 (*Labor*)
- 4 • legal services not directly chargeable under Section II.9 (*Legal Expense*)
- 5 • taxation, other than those costs identified as directly chargeable under Section II.10 (*Taxes and Permits*)
- 6 • preparation and monitoring of permits and certifications; preparing regulatory reports; appearances before or meetings with
- 7 governmental agencies or other authorities having jurisdiction over the Joint Property, other than On-site inspections; reviewing,
- 8 interpreting, or submitting comments on or lobbying with respect to Laws or proposed Laws.

9
10 Overhead charges shall include the salaries or wages plus applicable payroll burdens, benefits, and Personal Expenses of personnel performing
11 overhead functions, as well as office and other related expenses of overhead functions.

12 **1. OVERHEAD—DRILLING AND PRODUCING OPERATIONS**

13 As compensation for costs incurred but not chargeable under Section II (*Direct Charges*) and not covered by other provisions of this
14 Section III, the Operator shall charge on either:

- 15 **(Alternative 1)** Fixed Rate Basis, Section III.1.B.
- 16 **(Alternative 2)** Percentage Basis, Section III.1.C.

17 **A. TECHNICAL SERVICES**

18 (i) Except as otherwise provided in Section II.13 (*Ecological, Environmental, and Safety*) and Section III.2 (*Overhead – Major
19 Construction and Catastrophe*), or by approval of the Parties pursuant to Section I.6.A (*General Matters*), the salaries, wages,
20 related payroll burdens and benefits, and Personal Expenses for **On-site** Technical Services, including third party Technical
21 Services:

22 **(Alternative 1 – Direct)** shall be charged direct to the Joint Account.

23 **(Alternative 2 – Overhead)** shall be covered by the overhead rates.

24 (ii) Except as otherwise provided in Section II.13 (*Ecological, Environmental, and Safety*) and Section III.2 (*Overhead – Major
25 Construction and Catastrophe*), or by approval of the Parties pursuant to Section I.6.A (*General Matters*), the salaries, wages,
26 related payroll burdens and benefits, and Personal Expenses for **Off-site** Technical Services, including third party Technical
27 Services:

28 **(Alternative 1 – All Overhead)** shall be covered by the overhead rates.

29 **(Alternative 2 – All Direct)** shall be charged direct to the Joint Account.

30 **(Alternative 3 – Drilling Direct)** shall be charged direct to the Joint Account, only to the extent such Technical Services
31 are directly attributable to drilling, redrilling, deepening, or sidetracking operations, through completion, temporary
32 abandonment, or abandonment if a dry hole. Off-site Technical Services for all other operations, including workover,
33 recompletion, abandonment of producing wells, and the construction or expansion of fixed assets not covered by Section
34 III.2 (*Overhead - Major Construction and Catastrophe*) shall be covered by the overhead rates.

35 Notwithstanding anything to the contrary in this Section III, Technical Services provided by Operator's Affiliates are subject to limitations
36 set forth in Section II.7 (*Affiliates*). Charges for Technical personnel performing non-technical work shall not be governed by this Section
37 III.1.A, but instead governed by other provisions of this Accounting Procedure relating to the type of work being performed.

38 **B. OVERHEAD—FIXED RATE BASIS**

39 (1) The Operator shall charge the Joint Account at the following rates per well per month:

40 Drilling Well Rate per month \$ 12,000.00 (prorated for less than a full month)

41 Producing Well Rate per month \$ 1,200.00

42 (2) Application of Overhead—Drilling Well Rate shall be as follows:

43 (a) Charges for onshore drilling wells shall begin on the location work begins spud date and terminate on the date the drilling and/or
44 completion
45 equipment used on the well is released, whichever occurs later. Charges for offshore and inland waters drilling wells shall
46 begin on the date the drilling or completion equipment arrives on location and terminate on the date the drilling or completion
47 equipment moves off location, or is released, whichever occurs first. No charge shall be made during suspension of drilling
48 and/or completion operations for fifteen (15) or more consecutive calendar days.

- (b) Charges for any well undergoing any type of workover, recompletion, and/or abandonment for a period of five (5) or more consecutive work-days shall be made at the Drilling Well Rate. Such charges shall be applied for the period from date operations, with rig or other units used in operations, commence through date of rig or other unit release, except that no charges shall be made during suspension of operations for fifteen (15) or more consecutive calendar days.
- (3) Application of Overhead—Producing Well Rate shall be as follows:
 - (a) An active well that is produced, injected into for recovery or disposal, or used to obtain water supply to support operations for any portion of the month shall be considered as a one-well charge for the entire month.
 - (b) Each active completion in a multi-completed well shall be considered as a one-well charge provided each completion is considered a separate well by the governing regulatory authority.
 - (c) A one-well charge shall be made for the month in which plugging and abandonment operations are completed on any well, unless the Drilling Well Rate applies, as provided in Sections III.1.B.(2)(a) or (b). This one-well charge shall be made whether or not the well has produced.
 - (d) An active gas well shut in because of overproduction or failure of a purchaser, processor, or transporter to take production shall be considered as a one-well charge provided the gas well is directly connected to a permanent sales outlet.
 - (e) Any well not meeting the criteria set forth in Sections III.1.B.(3) (a), (b), (c), or (d) shall not qualify for a producing overhead charge.
- (4) The well rates shall be adjusted on the first day of April each year following the effective date of the Agreement; provided, however, if this Accounting Procedure is attached to or otherwise governing the payout accounting under a farmout agreement, the rates shall be adjusted on the first day of April each year following the effective date of such farmout agreement. The adjustment shall be computed by applying the adjustment factor most recently published by COPAS. The adjusted rates shall be the initial or amended rates agreed to by the Parties increased or decreased by the adjustment factor described herein, for each year from the effective date of such rates, in accordance with COPAS MFI-47 (“Adjustment of Overhead Rates”).

C. ~~OVERHEAD PERCENTAGE BASIS~~

(1) Operator shall charge the Joint Account at the following rates:

(a) Development Rate _____ percent (_____) % of the cost of development of the Joint Property, exclusive of costs provided under Section II.9 (*Legal Expense*) and all Material salvage credits.

(b) Operating Rate _____ percent (_____) % of the cost of operating the Joint Property, exclusive of costs provided under Sections II.1 (*Rentals and Royalties*) and II.9 (*Legal Expense*); all Material salvage credits; the value of substances purchased for enhanced recovery; all property and ad valorem taxes, and any other taxes and assessments that are levied, assessed, and paid upon the mineral interest in and to the Joint Property.

(2) Application of Overhead Percentage Basis shall be as follows:

(a) The Development Rate shall be applied to all costs in connection with:

- [i] drilling, redrilling, sidetracking, or deepening of a well
- [ii] a well undergoing plugback or workover operations for a period of five (5) or more consecutive work days
- [iii] preliminary expenditures necessary in preparation for drilling
- [iv] expenditures incurred in abandoning when the well is not completed as a producer
- [v] construction or installation of fixed assets, the expansion of fixed assets and any other project clearly discernible as a fixed asset, other than Major Construction or Catastrophe as defined in Section III.2 (*Overhead Major Construction and Catastrophe*).

(b) The Operating Rate shall be applied to all other costs in connection with Joint Operations, except those subject to Section III.2 (*Overhead Major Construction and Catastrophe*).

2. OVERHEAD—MAJOR CONSTRUCTION AND CATASTROPHE

To compensate the Operator for overhead costs incurred in connection with a Major Construction project or Catastrophe, the Operator shall either negotiate a rate prior to the beginning of the project, or shall charge the Joint Account for overhead based on the following rates for any Major Construction project in excess of the Operator's expenditure limit under the Agreement, or for any Catastrophe regardless of the amount. If the Agreement to which this Accounting Procedure is attached does not contain an expenditure limit, Major Construction Overhead shall be assessed for any single Major Construction project costing in excess of \$100,000 gross.

1 Major Construction shall mean the construction and installation of fixed assets, the expansion of fixed assets, and any other project clearly
2 discernible as a fixed asset required for the development and operation of the Joint Property, or in the dismantlement, abandonment,
3 removal, and restoration of platforms, production equipment, and other operating facilities.

4
5 Catastrophe is defined as a sudden calamitous event bringing damage, loss, or destruction to property or the environment, such as an oil
6 spill, blowout, explosion, fire, storm, hurricane, or other disaster. The overhead rate shall be applied to those costs necessary to restore the
7 Joint Property to the equivalent condition that existed prior to the event.

8
9 A. If the Operator absorbs the engineering, design and drafting costs related to the project:

10
11 (1) 7 % of total costs if such costs are less than \$100,000; plus

12
13 (2) 5 % of total costs in excess of \$100,000 but less than \$1,000,000; plus

14
15 (3) 4 % of total costs in excess of \$1,000,000.

16
17 B. If the Operator charges engineering, design and drafting costs related to the project directly to the Joint Account:

18
19 (1) 5 % of total costs if such costs are less than \$100,000; plus

20
21 (2) 3 % of total costs in excess of \$100,000 but less than \$1,000,000; plus

22
23 (3) 2 % of total costs in excess of \$1,000,000.

24
25 Total cost shall mean the gross cost of any one project. For the purpose of this paragraph, the component parts of a single Major
26 Construction project shall not be treated separately, and the cost of drilling and workover wells and purchasing and installing pumping
27 units and downhole artificial lift equipment shall be excluded. For Catastrophes, the rates shall be applied to all costs associated with each
28 single occurrence or event.

29
30 On each project, the Operator shall advise the Non-Operator(s) in advance which of the above options shall apply.

31
32 For the purposes of calculating Catastrophe Overhead, the cost of drilling relief wells, substitute wells, or conducting other well operations
33 directly resulting from the catastrophic event shall be included. Expenditures to which these rates apply shall not be reduced by salvage or
34 insurance recoveries. Expenditures that qualify for Major Construction or Catastrophe Overhead shall not qualify for overhead under any
35 other overhead provisions.

36
37 In the event of any conflict between the provisions of this Section III.2 and the provisions of Sections II.2 (*Labor*), II.5 (*Services*), or II.7
38 (*Affiliates*), the provisions of this Section III.2 shall govern.

39
40 **3. AMENDMENT OF OVERHEAD RATES**

41
42 The overhead rates provided for in this Section III may be amended from time to time if, in practice, the rates are found to be insufficient
43 or excessive, in accordance with the provisions of Section I.6.B (*Amendments*).

44
45
46 **IV. MATERIAL PURCHASES, TRANSFERS, AND DISPOSITIONS**

47
48 The Operator is responsible for Joint Account Material and shall make proper and timely charges and credits for direct purchases, transfers, and
49 dispositions. The Operator shall provide all Material for use in the conduct of Joint Operations; however, Material may be supplied by the Non-
50 Operators, at the Operator's option. Material furnished by any Party shall be furnished without any express or implied warranties as to quality,
51 fitness for use, or any other matter.

52
53 **1. DIRECT PURCHASES**

54
55 Direct purchases shall be charged to the Joint Account at the price paid by the Operator after deduction of all discounts received. The
56 Operator shall make good faith efforts to take discounts offered by suppliers, but shall not be liable for failure to take discounts except to
57 the extent such failure was the result of the Operator's gross negligence or willful misconduct. A direct purchase shall be deemed to occur
58 when an agreement is made between an Operator and a third party for the acquisition of Material for a specific well site or location.
59 Material provided by the Operator under "vendor stocking programs," where the initial use is for a Joint Property and title of the Material
60 does not pass from the manufacturer, distributor, or agent until usage, is considered a direct purchase. If Material is found to be defective
61 or is returned to the manufacturer, distributor, or agent for any other reason, credit shall be passed to the Joint Account within sixty (60)
62 days after the Operator has received adjustment from the manufacturer, distributor, or agent.

1 **2. TRANSFERS**

2
3 A transfer is determined to occur when the Operator (i) furnishes Material from a storage facility or from another operated property, (ii) has
4 assumed liability for the storage costs and changes in value, and (iii) has previously secured and held title to the transferred Material.
5 Similarly, the removal of Material from the Joint Property to a storage facility or to another operated property is also considered a transfer;
6 provided, however, Material that is moved from the Joint Property to a storage location for safe-keeping pending disposition may remain
7 charged to the Joint Account and is not considered a transfer. Material shall be disposed of in accordance with Section IV.3 (*Disposition of*
8 *Surplus*) and the Agreement to which this Accounting Procedure is attached.
9

10 **A. PRICING**

11
12 The value of Material transferred to/from the Joint Property should generally reflect the market value on the date of physical transfer.
13 Regardless of the pricing method used, the Operator shall make available to the Non-Operators sufficient documentation to verify the
14 Material valuation. When higher than specification grade or size tubulars are used in the conduct of Joint Operations, the Operator
15 shall charge the Joint Account at the equivalent price for well design specification tubulars, unless such higher specification grade or
16 sized tubulars are approved by the Parties pursuant to Section I.6.A (*General Matters*). Transfers of new Material will be priced
17 using one of the following pricing methods; provided, however, the Operator shall use consistent pricing methods, and not alternate
18 between methods for the purpose of choosing the method most favorable to the Operator for a specific transfer:
19

20 (1) Using published prices in effect on date of movement as adjusted by the appropriate COPAS Historical Price Multiplier (HPM)
21 or prices provided by the COPAS Computerized Equipment Pricing System (CEPS).
22
23 (a) For oil country tubulars and line pipe, the published price shall be based upon eastern mill carload base prices (Houston,
24 Texas, for special end) adjusted as of date of movement, plus transportation cost as defined in Section IV.2.B (*Freight*).
25
26 (b) For other Material, the published price shall be the published list price in effect at date of movement, as listed by a Supply
27 Store nearest the Joint Property where like Material is normally available, or point of manufacture plus transportation
28 costs as defined in Section IV.2.B (*Freight*).
29
30 (2) Based on a price quotation from a vendor that reflects a current realistic acquisition cost.
31
32 (3) Based on the amount paid by the Operator for like Material in the vicinity of the Joint Property within the previous twelve (12)
33 months from the date of physical transfer.
34
35 (4) As agreed to by the Participating Parties for Material being transferred to the Joint Property, and by the Parties owning the
36 Material for Material being transferred from the Joint Property.
37

38 **B. FREIGHT**

39
40 Transportation costs shall be added to the Material transfer price using the method prescribed by the COPAS Computerized
41 Equipment Pricing System (CEPS). If not using CEPS, transportation costs shall be calculated as follows:
42

43 (1) Transportation costs for oil country tubulars and line pipe shall be calculated using the distance from eastern mill to the
44 Railway Receiving Point based on the carload weight basis as recommended by the COPAS MFI-38 ("Material Pricing
45 Manual") and other COPAS MFIs in effect at the time of the transfer.
46
47 (2) Transportation costs for special mill items shall be calculated from that mill's shipping point to the Railway Receiving Point.
48 For transportation costs from other than eastern mills, the 30,000-pound interstate truck rate shall be used. Transportation costs
49 for macaroni tubing shall be calculated based on the interstate truck rate per weight of tubing transferred to the Railway
50 Receiving Point.
51
52 (3) Transportation costs for special end tubular goods shall be calculated using the interstate truck rate from Houston, Texas, to the
53 Railway Receiving Point.
54
55 (4) Transportation costs for Material other than that described in Sections IV.2.B.(1) through (3), shall be calculated from the
56 Supply Store or point of manufacture, whichever is appropriate, to the Railway Receiving Point
57

58 Regardless of whether using CEPS or manually calculating transportation costs, transportation costs from the Railway Receiving Point
59 to the Joint Property are in addition to the foregoing, and may be charged to the Joint Account based on actual costs incurred. All
60 transportation costs are subject to Equalized Freight as provided in Section II.4 (*Transportation*) of this Accounting Procedure.
61

62 **C. TAXES**

63
64 Sales and use taxes shall be added to the Material transfer price using either the method contained in the COPAS Computerized
65 Equipment Pricing System (CEPS) or the applicable tax rate in effect for the Joint Property at the time and place of transfer. In either
66 case, the Joint Account shall be charged or credited at the rate that would have governed had the Material been a direct purchase.

1 D. CONDITION
2

3 (1) Condition "A" – New and unused Material in sound and serviceable condition shall be charged at one hundred percent (100%)
4 of the price as determined in Sections IV.2.A (*Pricing*), IV.2.B (*Freight*), and IV.2.C (*Taxes*). Material transferred from the
5 Joint Property that was not placed in service shall be credited as charged without gain or loss; provided, however, any unused
6 Material that was charged to the Joint Account through a direct purchase will be credited to the Joint Account at the original
7 cost paid less restocking fees charged by the vendor. New and unused Material transferred from the Joint Property may be
8 credited at a price other than the price originally charged to the Joint Account provided such price is approved by the Parties
9 owning such Material, pursuant to Section I.6.A (*General Matters*). All refurbishing costs required or necessary to return the
10 Material to original condition or to correct handling, transportation, or other damages will be borne by the divesting property.
11 The Joint Account is responsible for Material preparation, handling, and transportation costs for new and unused Material
12 charged to the Joint Property either through a direct purchase or transfer. Any preparation costs incurred, including any internal
13 or external coating and wrapping, will be credited on new Material provided these services were not repeated for such Material
14 for the receiving property.

15

16 (2) Condition "B" – Used Material in sound and serviceable condition and suitable for reuse without reconditioning shall be priced
17 by multiplying the price determined in Sections IV.2.A (*Pricing*), IV.2.B (*Freight*), and IV.2.C (*Taxes*) by seventy-five percent
18 (75%).

20 Except as provided in Section IV.2.D(3), all reconditioning costs required to return the Material to Condition "B" or to correct
21 handling, transportation or other damages will be borne by the divesting property.

23 If the Material was originally charged to the Joint Account as used Material and placed in service for the Joint Property, the
24 Material will be credited at the price determined in Sections IV.2.A (*Pricing*), IV.2.B (*Freight*), and IV.2.C (*Taxes*) multiplied
25 by sixty-five percent (65%).

27 Unless otherwise agreed to by the Parties that paid for such Material, used Material transferred from the Joint Property that was
28 not placed in service on the property shall be credited as charged without gain or loss.

30 (3) Condition "C" – Material that is not in sound and serviceable condition and not suitable for its original function until after
31 reconditioning shall be priced by multiplying the price determined in Sections IV.2.A (*Pricing*), IV.2.B (*Freight*), and IV.2.C
32 (*Taxes*) by fifty percent (50%).

34 The cost of reconditioning may be charged to the receiving property to the extent Condition "C" value, plus cost of
35 reconditioning, does not exceed Condition "B" value.

37 (4) Condition "D" – Material that (i) is no longer suitable for its original purpose but useable for some other purpose, (ii) is
38 obsolete, or (iii) does not meet original specifications but still has value and can be used in other applications as a substitute for
39 items with different specifications, is considered Condition "D" Material. Casing, tubing, or drill pipe used as line pipe shall be
40 priced as Grade A and B seamless line pipe of comparable size and weight. Used casing, tubing, or drill pipe utilized as line
41 pipe shall be priced at used line pipe prices. Casing, tubing, or drill pipe used as higher pressure service lines than standard line
42 pipe, e.g., power oil lines, shall be priced under normal pricing procedures for casing, tubing, or drill pipe. Upset tubular goods
43 shall be priced on a non-upset basis. For other items, the price used should result in the Joint Account being charged or credited
44 with the value of the service rendered or use of the Material, or as agreed to by the Parties pursuant to Section 1.6.A (*General
45 Matters*).

46

47 (5) Condition "E" – Junk shall be priced at prevailing scrap value prices.

48 E. OTHER PRICING PROVISIONS
49

51 (1) Preparation Costs

53 Subject to Section II (*Direct Charges*) and Section III (*Overhead*) of this Accounting Procedure, costs incurred by the Operator
54 in making Material serviceable including inspection, third party surveillance services, and other similar services will be charged
55 to the Joint Account at prices which reflect the Operator's actual costs of the services. Documentation must be provided to the
56 Non-Operators upon request to support the cost of service. New coating and/or wrapping shall be considered a component of
57 the Materials and priced in accordance with Sections IV.1 (*Direct Purchases*) or IV.2.A (*Pricing*), as applicable. No charges or
58 credits shall be made for used coating or wrapping. Charges and credits for inspections shall be made in accordance with
59 COPAS MFI-38 ("Material Pricing Manual").

61 (2) Loading and Unloading Costs

63 Loading and unloading costs related to the movement of the Material to the Joint Property shall be charged in accordance with
64 the methods specified in COPAS MFI-38 ("Material Pricing Manual").

1 **3. DISPOSITION OF SURPLUS**

2
3 Surplus Material is that Material, whether new or used, that is no longer required for Joint Operations. The Operator may purchase, but
4 shall be under no obligation to purchase, the interest of the Non-Operators in surplus Material.

5
6 Dispositions for the purpose of this procedure are considered to be the relinquishment of title of the Material from the Joint Property to
7 either a third party, a Non-Operator, or to the Operator. To avoid the accumulation of surplus Material, the Operator should make good
8 faith efforts to dispose of surplus within twelve (12) months through buy/sale agreements, trade, sale to a third party, division in kind, or
9 other dispositions as agreed to by the Parties.

10
11 Disposal of surplus Materials shall be made in accordance with the terms of the Agreement to which this Accounting Procedure is
12 attached. If the Agreement contains no provisions governing disposal of surplus Material, the following terms shall apply:

13
14 • The Operator may, through a sale to an unrelated third party or entity, dispose of surplus Material having a gross sale value that
15 is less than or equal to the Operator's expenditure limit as set forth in the Agreement to which this Accounting Procedure is
16 attached without the prior approval of the Parties owning such Material.

17
18 • If the gross sale value exceeds the Agreement expenditure limit, the disposal must be agreed to by the Parties owning such
19 Material.

20
21 • Operator may purchase surplus Condition "A" or "B" Material without approval of the Parties owning such Material, based on
22 the pricing methods set forth in Section IV.2 (*Transfers*).

23
24 • Operator may purchase Condition "C" Material without prior approval of the Parties owning such Material if the value of the
25 Materials, based on the pricing methods set forth in Section IV.2 (*Transfers*), is less than or equal to the Operator's expenditure
26 limitation set forth in the Agreement. The Operator shall provide documentation supporting the classification of the Material as
27 Condition C.

28
29 • Operator may dispose of Condition "D" or "E" Material under procedures normally utilized by Operator without prior approval
30 of the Parties owning such Material.

31 **4. SPECIAL PRICING PROVISIONS**

32 **A. PREMIUM PRICING**

33
34 Whenever Material is available only at inflated prices due to national emergencies, strikes, government imposed foreign trade
35 restrictions, or other unusual causes over which the Operator has no control, for direct purchase the Operator may charge the Joint
36 Account for the required Material at the Operator's actual cost incurred in providing such Material, making it suitable for use, and
37 moving it to the Joint Property. Material transferred or disposed of during premium pricing situations shall be valued in accordance
38 with Section IV.2 (*Transfers*) or Section IV.3 (*Disposition of Surplus*), as applicable.

39 **B. SHOP-MADE ITEMS**

40
41 Items fabricated by the Operator's employees, or by contract laborers under the direction of the Operator, shall be priced using the
42 value of the Material used to construct the item plus the cost of labor to fabricate the item. If the Material is from the Operator's
43 scrap or junk account, the Material shall be priced at either twenty-five percent (25%) of the current price as determined in Section
44 IV.2.A (*Pricing*) or scrap value, whichever is higher. In no event shall the amount charged exceed the value of the item
45 commensurate with its use.

46 **C. MILL REJECTS**

47
48 Mill rejects purchased as "limited service" casing or tubing shall be priced at eighty percent (80%) of K-55/J-55 price as determined in
49 Section IV.2 (*Transfers*). Line pipe converted to casing or tubing with casing or tubing couplings attached shall be priced as K-55/J-
50 55 casing or tubing at the nearest size and weight.

51
52 **V. INVENTORIES OF CONTROLLABLE MATERIAL**

53
54 The Operator shall maintain records of Controllable Material charged to the Joint Account, with sufficient detail to perform physical inventories.

55
56 Adjustments to the Joint Account by the Operator resulting from a physical inventory of Controllable Material shall be made within twelve (12)
57 months following the taking of the inventory or receipt of Non-Operator inventory report. Charges and credits for overages or shortages will be
58 valued for the Joint Account in accordance with Section IV.2 (*Transfers*) and shall be based on the Condition "B" prices in effect on the date of
59 physical inventory unless the inventorying Parties can provide sufficient evidence another Material condition applies.

1 **1. DIRECTED INVENTORIES**
2

3 Physical inventories shall be performed by the Operator upon written request of a majority in working interests of the Non-Operators
4 (hereinafter, "directed inventory"); provided, however, the Operator shall not be required to perform directed inventories more frequently
5 than once every five (5) years. Directed inventories shall be commenced within one hundred eighty (180) days after the Operator receives
6 written notice that a majority in interest of the Non-Operators has requested the inventory. All Parties shall be governed by the results of
7 any directed inventory.

8 Expenses of directed inventories will be borne by the Joint Account; provided, however, costs associated with any post-report follow-up
9 work in settling the inventory will be absorbed by the Party incurring such costs. The Operator is expected to exercise judgment in keeping
10 expenses within reasonable limits. Any anticipated disproportionate or extraordinary costs should be discussed and agreed upon prior to
11 commencement of the inventory. Expenses of directed inventories may include the following:

12

- 13 A. A per diem rate for each inventory person, representative of actual salaries, wages, and payroll burdens and benefits of the personnel
14 performing the inventory or a rate agreed to by the Parties pursuant to Section I.6.A (*General Matters*). The per diem rate shall also
15 be applied to a reasonable number of days for pre-inventory work and report preparation.
- 16
- 17 B. Actual transportation costs and Personal Expenses for the inventory team.
- 18
- 19 C. Reasonable charges for report preparation and distribution to the Non-Operators.

22 **2. NON-DIRECTED INVENTORIES**
23

24 A. OPERATOR INVENTORIES

26 Physical inventories that are not requested by the Non-Operators may be performed by the Operator, at the Operator's discretion. The
27 expenses of conducting such Operator-initiated inventories shall not be charged to the Joint Account.

29 B. NON-OPERATOR INVENTORIES

31 Subject to the terms of the Agreement to which this Accounting Procedure is attached, the Non-Operators may conduct a physical
32 inventory at reasonable times at their sole cost and risk after giving the Operator at least ninety (90) days prior written notice. The
33 Non-Operator inventory report shall be furnished to the Operator in writing within ninety (90) days of completing the inventory
34 fieldwork.

36 C. SPECIAL INVENTORIES

38 The expense of conducting inventories other than those described in Sections V.1 (*Directed Inventories*), V.2.A (*Operator
39 Inventories*), or V.2.B (*Non-Operator Inventories*), shall be charged to the Party requesting such inventory; provided, however,
40 inventories required due to a change of Operator shall be charged to the Joint Account in the same manner as described in Section
41 V.1 (*Directed Inventories*).

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EXHIBIT "D"

Attached to and made a part of that certain Operating Agreement dated July 13, 2020, for the Angelo Unit.

Insurance

Operator shall at all times while conducting operations hereunder carry insurance to protect and save the parties hereto harmless as follows:

- (a) Workman's Compensation Insurance in accordance with the laws of the state in which the operations are to be conducted, and Employer's Liability Insurance with limits not less than \$500,000.00 for any one person, and not less than \$500,000.00 for any one accident.
- (b) General Liability Insurance with limits of not less than \$5,000,000.00 for any one person, and \$5,000,000.00 for any one accident; and Property Damage Liability Insurance with limits of not less than \$5,000,000.00 per accident. \$5,000,000.00 combined single limit.
- (c) Automobile Public Liability Insurance with limits of not less than \$1,000,000.00 for any one person, and not less than \$1,000,000.00 for any one accident; and Automobile Property Damage Insurance with limits of not less than \$1,000,000.00 to cover all automotive equipment. \$1,000,000.00 combined single limit.
- (d) Excess Liability Umbrella Form (Bodily injuries and Property Damage) with limits of \$5,000,000.00 each occurrence.
- (e) Well Control including Blowout and Cratering Hazard Property Damage, Pollution and Saline Coverage, Underground Resources and Equipment Hazard with limits of \$1,000,000.00 each occurrence.

Operator shall require all other contractors or subcontractors conducting operations hereunder to carry insurance of such types and in such amounts as Operator deems adequate to protect the parties hereto. No liability shall attach to Operator in the exercise of its good-faith judgment as to the types and amounts of insurance, if any, to be required of such other contractors.

Operator shall at all times comply with the laws of the state in which the operations are to be conducted covering Workman's Compensation Insurance. Any other insurance desired by a party hereto shall be carried by such party at its own cost and expense.

In the event of loss not covered by the insurance provided for herein, such loss shall be charged to the joint account and borne by the parties in accordance with their respective percentage of ownership as determined by this agreement.

It is further understood and agreed that Operator is not a warrantor of the financial responsibility of the insurer with whom such insurance is carried, and that except for willful negligence, Operator shall not be liable to Non-Operator for any loss suffered on account of the insufficiency of the insurance carried, or of insurer with whom carried. Operator shall not be liable to Non-Operator for any loss accruing by reason of Operator's inability to procure or maintain the insurance above mentioned. Operator agrees that if at any time during the life of this agreement it is unable to obtain or maintain such insurance, it shall immediately notify in writing Non-Operators of such fact.

1 NOTE: Instructions For Use of Gas Balancing
 2 Agreement MUST be reviewed before finalizing
 3 this document.

4
 5
 6

7 **EXHIBIT "E"**

8 **GAS BALANCING AGREEMENT ("AGREEMENT")**

9 **ATTACHED TO AND MADE PART OF THAT CERTAIN**

10 **OPERATING AGREEMENT DATED July 13, 2020**

11 **BY AND BETWEEN** GULFPORT APPALACHIA, LLC, **Operator** (“OPERATING AGREEMENT”)
 12 **RELATING TO THE** Ohio **AREA,**
 13 Jefferson **COUNTY/PARISH, STATE OF** OHIO

14 **1. DEFINITIONS**

15 The following definitions shall apply to this Agreement:

16 1.01 "Arm's Length Agreement" shall mean any gas sales agreement with an unaffiliated purchaser or any gas sales
 17 agreement with an affiliated purchaser where the sales price and delivery conditions under such agreement are
 18 representative of prices and delivery conditions existing under other similar agreements in the area between
 19 unaffiliated parties at the same time for natural gas of comparable quality and quantity.

20 1.02 "Balancing Area" shall mean (select one):

21 each well subject to the Operating Agreement that produces Gas or is allocated a share of Gas production. If a
 22 single well is completed in two or more producing intervals, each producing interval from which the Gas
 23 production is not commingled in the wellbore shall be considered a separate well.
 24 all of the acreage and depths subject to the Operating Agreement.
 25 _____
 26 _____
 27 _____
 28 _____
 29 _____

30 1.03 "Full Share of Current Production" shall mean the Percentage Interest of each Party in the Gas actually produced
 31 from the Balancing Area during each month.

32 1.04 "Gas" shall mean all hydrocarbons produced or producible from the Balancing Area, whether from a well classified
 33 as an oil well or gas well by the regulatory agency having jurisdiction in such matters, which are or may be made
 34 available for sale or separate disposition by the Parties, excluding oil, condensate and other liquids recovered by
 35 field equipment operated for the joint account. "Gas" does not include gas used in joint operations, such as for fuel,
 36 recycling or reinjection, or which is vented or lost prior to its sale or delivery from the Balancing Area.

37 1.05 "Makeup Gas" shall mean any Gas taken by an Underproduced Party from the Balancing Area in excess of its Full
 38 Share of Current Production, whether pursuant to Section 3.3 or Section 4.1 hereof.

39 1.06 "Mcf" shall mean one thousand cubic feet. A cubic foot of Gas shall mean the volume of gas contained in one cubic
 40 foot of space at a standard pressure base and at a standard temperature base.

41 1.07 "MMBtu" shall mean one million British Thermal Units. A British Thermal Unit shall mean the quantity of heat
 42 required to raise one pound avoirdupois of pure water from 58.5 degrees Fahrenheit to 59.5 degrees Fahrenheit at a
 43 constant pressure of 14.73 pounds per square inch absolute.

44 1.08 "Operator" shall mean the individual or entity designated under the terms of the Operating Agreement or, in the
 45 event this Agreement is not employed in connection with an operating agreement, the individual or entity
 46 designated as the operator of the well(s) located in the Balancing Area.

47 1.09 "Overproduced Party" shall mean any Party having taken a greater quantity of Gas from the Balancing Area than
 48 the Percentage interest of such Party in the cumulative quantity of all Gas produced from the Balancing Area.

49 1.10 "Overproduction" shall mean the cumulative quantity of Gas taken by a Party in excess of its Percentage Interest in
 50 the cumulative quantity of all Gas produced from the Balancing Area.

51 1.11 "Party" shall mean those individuals or entities subject to this Agreement, and their respective heirs, successors,
 52 transferees and assigns.

53 1.12 "Percentage Interest" shall mean the percentage or decimal interest of each Party in the Gas produced from the
 54 Balancing Area pursuant to the Operating Agreement covering the Balancing Area.

55 1.13 "Royalty" shall mean payments on production of Gas from the Balancing Area to all owners of royalties, overriding
 56 royalties, production payments or similar interests.

57 1.14 "Underproduced Party" shall mean any Party having taken a lesser quantity of Gas from the Balancing Area than
 58 the Percentage Interest of such Party in the cumulative quantity of all Gas produced from the Balancing Area.

59 1.15 "Underproduction" shall mean the deficiency between the cumulative quantity of Gas taken by a Party and its
 60 Percentage Interest in the cumulative quantity of all Gas produced from the Balancing Area.

61 1.16 (Optional) "Winter Period" shall mean the month(s) of November and December in one
 62 calendar year and the month(s) of January through March in the succeeding calendar year.

63 **2. BALANCING AREA**

64 2.1 If this Agreement covers more than one Balancing Area, it shall be applied as if each Balancing Area were covered
 65 by separate but identical agreements. All balancing hereunder shall be on the basis of Gas taken from the Balancing Area
 66 measured in (Alternative 1) Mcfs or (Alternative 2) MMBtus.

67 2.2 In the event that all or part of the Gas deliverable from a Balancing Area is or becomes subject to one or more
 68 maximum lawful prices, any Gas not subject to price controls shall be considered as produced from a single Balancing Area
 69 and Gas subject to each maximum lawful price category shall be considered produced from a separate Balancing Area.

70 **3. RIGHT OF PARTIES TO TAKE GAS**

71 3.1 Each Party desiring to take Gas will notify the Operator, or cause the Operator to be notified, of the volumes
 72 nominated, the name of the transporting pipeline and the pipeline contract number (if available) and meter station relating
 73 to such delivery, sufficiently in advance for the Operator, acting with reasonable diligence, to meet all nomination and other
 74

1 requirements. Operator is authorized to deliver the volumes so nominated and confirmed (if confirmation is required) to the
2 transporting pipeline in accordance with the terms of this Agreement.

3 3.2 Each Party shall make a reasonable, good faith effort to take its Full Share of Current Production each month, to the
4 extent that such production is required to maintain leases in effect, to protect the producing capacity of a well or reservoir, to
5 preserve correlative rights, or to maintain oil production.

3.3 When a Party fails for any reason to take its Full Share of Current Production (as such Share may be reduced by the right of the other Parties to make up for Underproduction as provided herein), the other Parties shall be entitled to take any Gas which such Party fails to take. To the extent practicable, such Gas shall be made available initially to each Underproduced Party in the proportion that its Percentage Interest in the Balancing Area bears to the total Percentage Interests of all Underproduced Parties desiring to take such Gas. If all such Gas is not taken by the Underproduced Parties, the portion not taken shall then be made available to the other Parties in the proportion that their respective Percentage Interests in the Balancing Area bear to the total Percentage Interests of such Parties.

13 3.4 All Gas taken by a Party in accordance with the provisions of this Agreement, regardless of whether such Party is
14 underproduced or overproduced, shall be regarded as Gas taken for its own account with title thereto being in such taking
15 Party.

16 3.5 Notwithstanding the provisions of Section 3.3 hereof, no Overproduced Party shall be entitled in any month to take any
17 Gas in excess of three hundred percent (300%) of its Percentage Interest of the Balancing Area's then-current Maximum
18 Monthly Availability; provided, however, that this limitation shall not apply to the extent that it would preclude production
19 that is required to maintain leases in effect, to protect the producing capacity of a well or reservoir, to preserve correlative
20 rights, or to maintain oil production. "Maximum Monthly Availability" shall mean the maximum average monthly rate of
21 production at which Gas can be delivered from the Balancing Area, as determined by the Operator, considering the maximum
22 efficient well rate for each well within the Balancing Area, the maximum allowable(s) set by the appropriate regulatory agency,
23 mode of operation, production facility capabilities and pipeline pressures.

24 3.6 In the event that a Party fails to make arrangements to take its Full Share of Current Production required to be
25 produced to maintain leases in effect, to protect the producing capacity of a well or reservoir, to preserve correlative rights, or
26 to maintain oil production, the Operator may sell any part of such Party's Full Share of Current Production that such Party fails
27 to take for the account of such Party and render to such Party, on a current basis, the full proceeds of the sale, less any
28 reasonable marketing, compression, treating, gathering or transportation costs incurred directly in connection with the sale of
29 such Full Share of Current Production. In making the sale contemplated herein, the Operator shall be obligated only to obtain
30 such price and conditions for the sale as are reasonable under the circumstances and shall not be obligated to share any of its
31 markets. Any such sale by Operator under the terms hereof shall be only for such reasonable periods of time as are consistent
32 with the minimum needs of the industry under the particular circumstances, but in no event for a period in excess of one
33 year. Notwithstanding the provisions of Article 3.4 hereof, Gas sold by Operator for a Party under the provisions hereof shall
34 be deemed to be Gas taken for the account of such Party.

35 4. IN-KIND BALANCING

36 4.1 Effective the first day of any calendar month following at least Thirty / (30) days' prior
37 written notice to the Operator, any Underproduced Party may begin taking, in addition to its Full Share of Current
38 Production and any Makeup Gas taken pursuant to Section 3.3 of this Agreement, a share of current production determined
39 by multiplying twenty-five / percent (25 %) of the Full Shares of Current Production of all Overproduced Parties by
40 a fraction, the numerator of which is the Percentage Interest of such Underproduced Party and the denominator of which
41 is the total of the Percentage Interests of all Underproduced Parties desiring to take Makeup Gas. In no event will an
42 Overproduced Party be required to provide more than twenty-five / percent (25 %) of its Full Share of Current
43 Production for Makeup Gas. The Operator will promptly notify all Overproduced Parties of the election of an Underproduced
44 Party to begin taking Makeup Gas.

45 4.2 **(Optional - Seasonal Limitation on Makeup - Option 1)** Notwithstanding the provisions of Section 4.1, the
46 average monthly amount of Makeup Gas taken by an Underproduced Party during the Winter Period pursuant to Section 4.1
47 shall not exceed the average monthly amount of Makeup Gas taken by such Underproduced Party during the
48 _____ (_____) months immediately preceding the Winter Period.

49 4.2 **(Optional - Seasonal Limitation on Makeup - Option 2)** Notwithstanding the provisions of Section 4.1, no
50 Overproduced Party will be required to provide more than _____/fifteen percent (15%) of its Full Share
51 of Current Production for Makeup Gas during the Winter Period.

52 4.3 **(Optional)** Notwithstanding any other provision of this Agreement, at such time and for so long as Operator, or
53 (insofar as concerns production by the Operator) any Underproduced Party, determines in good faith that an Overproduced
54 Party has produced all of its share of the ultimately recoverable reserves in the Balancing Area, such Overproduced Party may
55 be required to make available for Makeup Gas, upon the demand of the Operator or any Underproduced Party, up to
56 One Hundred percent (100 %) of such Overproduced Party's Full Share of Current Production.

57 5. STATEMENT OF GAS BALANCES

58 5.1 The Operator will maintain appropriate accounting on a monthly and cumulative basis of the volumes of Gas that each
59 Party is entitled to receive and the volumes of Gas actually taken or sold for each Party's account. Within forty-five (45) days
60 after the month of production, the Operator will furnish a statement for such month showing (1) each Party's Full Share of
61 Current Production, (2) the total volume of Gas actually taken or sold for each Party's account, (3) the difference between
62 the volume taken by each Party and that Party's Full Share of Current Production, (4) the Overproduction or
63 Underproduction of each Party, and (5) other data as recommended by the provisions of the Council of Petroleum
64 Accountants Societies Bulletin No.24, as amended or supplemented hereafter. Each Party taking Gas will promptly provide to
65 the Operator any data required by the Operator for preparation of the statements required hereunder.

66 5.2 If any Party fails to provide the data required herein for four (4) consecutive production months, the Operator, or
67 where the Operator has failed to provide data, another Party, may audit the production and Gas sales and transportation
68 volumes of the non-reporting Party to provide the required data. Such audit shall be conducted only after reasonable notice and
69 during normal business hours in the office of the Party whose records are being audited. All costs associated with such audit
70 will be charged to the account of the Party failing to provide the required data.

71 6. PAYMENTS ON PRODUCTION

72 6.1 Each Party taking Gas shall pay or cause to be paid all production and severance taxes due on all volumes of Gas
73 actually taken by such Party.

74 6.2 **(Alternative 1 - Entitlements)** Each Party shall pay or cause to be paid all Royalty due with respect to Royalty

1 owners to whom it is accountable as if such Party were taking its Full Share of Current Production, and only its Full Share of
2 Current Production.

3 6.2.1 **(Optional - For use only with Section 6.2 - Alternative I - Entitlement)** Upon written request of a Party
4 taking less than its Full Share of Current Production in a given month ("Current Underproducer"), any Party taking more than
5 its Full Share of Current Production in such month ("Current Overproducer") will pay to such Current Underproducer an
6 amount each month equal to the Royalty percentage of the proceeds received by the Current Overproducer for that portion of
7 the Current Underproducer's Full Share of Current Production taken by the Current Overproducer; provided, however, that
8 such payment will not exceed the Royalty percentage that is common to all Royalty burdens in the Balancing Area. Payments
9 made pursuant to this Section 6.2.1 will be deemed payments to the Underproduced Party's Royalty owners for purposes of
10 Section 7.5.

11 6.2 **(Alternative 2 - Sales)** Each Party shall pay or cause to be paid Royalty due with respect to Royalty owners to
12 whom it is accountable based on the volume of Gas actually taken for its account.

13 6.3 In the event that any governmental authority requires that Royalty payments be made on any other basis than that
14 provided for in this Section 6, each Party agrees to make such Royalty payments accordingly, commencing on the effective date
15 required by such governmental authority, and the method provided for herein shall be thereby superseded.

16 **7. CASH SETTLEMENTS**

17 7.1 Upon the earlier of the plugging and abandonment of the last producing interval in the Balancing Area, the termination
18 of the Operating Agreement or any pooling or unit agreement covering the Balancing Area, or at any time no Gas is taken
19 from the Balancing Area for a period of twelve (12) consecutive months, any Party may give written notice calling for cash
20 settlement of the Gas production imbalances among the Parties. Such notice shall be given to all Parties in the Balancing Area.

21 7.2 Within sixty (60) days after the notice calling for cash settlement under Section 7.1, the Operator will distribute to each
22 Party a Final Gas Settlement Statement detailing the quantity of Overproduction owed by each Overproduced Party to each
23 Underproduced Party and identifying the month to which such Overproduction is attributed, pursuant to the methodology
24 set out in Section 7.4.

25 7.3 **(Alternative I - Direct Party-to-Party Settlement)** Within sixty (60) days after receipt of the Final Gas Settlement
26 Statement, each Overproduced Party will pay to each Underproduced Party entitled to settlement the appropriate cash
27 settlement, accompanied by appropriate accounting detail. At the time of payment, the Overproduced Party will notify the
28 Operator of the Gas imbalance settled by the Overproduced Party's payment.

29 7.3 **(Alternative 2 - Settlement Through Operator)** Within sixty (60) days after receipt of the Final Gas Settlement
30 Statement, each Overproduced Party will send its cash settlement, accompanied by appropriate accounting detail, to the
31 Operator. The Operator will distribute the monies so received, along with any settlement owed by the Operator as an
32 Overproduced Party, to each Underproduced Party to whom settlement is due within ninety (90) days after issuance of the
33 Final Gas Settlement Statement. In the event that any Overproduced Party fails to pay any settlement due hereunder, the
34 Operator may turn over responsibility for the collection of such settlement to the Party to whom it is owed, and the Operator
35 will have no further responsibility with regard to such settlement.

36 7.3.1 **(Optional - For use only with Section 7.3, Alternative 2 - Settlement Through Operator)** Any Party shall have
37 the right at any time upon thirty (30) days' prior written notice to all other Parties to demand that any settlements due such
38 Party for Overproduction be paid directly to such Party by the Overproduced Party, rather than being paid through the
39 Operator. In the event that an Overproduced Party pays the Operator any sums due to an Underproduced Party at any time
40 after thirty (30) days following the receipt of the notice provided for herein, the Overproduced Party will continue to be liable
41 to such Underproduced Party for any sums so paid, until payment is actually received by the Underproduced Party.

42 7.4 **(Alternative 1 - Historical Sales Basis)** The amount of the cash settlement will be based on the proceeds
43 received by the Overproduced Party under an Arm's Length Agreement for the Gas taken from time to time by the
44 Overproduced Party in excess of the Overproduced Party's Full Share of Current Production. Any Makeup Gas taken by the
45 Underproduced Party prior to monetary settlement hereunder will be applied to offset Overproduction chronologically in the
46 order of accrual.

47 7.4 **(Alternative 2 - Most Recent Sales Basis)** The amount of the cash settlement will be based on the proceeds
48 received by the Overproduced Party under an Arm's Length Agreement for the volume of Gas that constituted Overproduction
49 by the Overproduced Party from the Balancing Area. For the purpose of implementing the cash settlement provision of the
50 Section 7, an Overproduced Party will not be considered to have produced any of an Underproduced Party's share of Gas until
51 the Overproduced Party has produced cumulatively all of its Percentage Interest share of the Gas ultimately produced from the
52 Balancing Area.

53 7.5 The values used for calculating the cash settlement under Section 7.4 will include all proceeds received for the sale of the
54 Gas by the Overproduced Party calculated at the Balancing Area, after deducting any production or severance taxes paid and any
55 Royalty actually paid by the Overproduced Party to an Underproduced Party's Royalty owner(s), to the extent said payments
56 amounted to a discharge of said Underproduced Party's Royalty obligation, as well as any reasonable marketing, compression,
57 treating, gathering or transportation costs incurred directly in connection with the sale of the Overproduction.

58 7.5.1 **(Optional - For Valuation Under Percentage of Proceeds Contracts)** For Overproduction sold under a gas
59 purchase contract providing for payment based on a percentage of the proceeds obtained by the purchaser upon resale of
60 residue gas and liquid hydrocarbons extracted at a gas processing plant, the values used for calculating cash settlement will
61 include proceeds received by the Overproduced Party for both the liquid hydrocarbons and the residue gas attributable to the
62 Overproduction.

63 7.5.2 **(Optional - Valuation for Processed Gas - Option 1)** For Overproduction processed for the account of the
64 Overproduced Party at a gas processing plant for the extraction of liquid hydrocarbons, the full quantity of the Overproduction
65 will be valued for purposes of cash settlement at the prices received by the Overproduced Party for the sale of the residue gas
66 attributable to the Overproduction without regard to proceeds attributable to liquid hydrocarbons which may have been
67 extracted from the Overproduction.

68 7.5.2 **(Optional - Valuation for Processed Gas - Option 2)** For Overproduction processed for the account of the
69 Overproduced Party at a gas processing plant for the extraction of liquid hydrocarbons, the values used for calculating cash
70 settlement will include the proceeds received by the Overproduced Party for the sale of the liquid hydrocarbons extracted from
71 the Overproduction, less the actual reasonable costs incurred by the Overproduced Party to process the Overproduction and to
72 transport, fractionate and handle the liquid hydrocarbons extracted therefrom prior to sale.

73 7.6 To the extent the Overproduced Party did not sell all Overproduction under an Arm's Length Agreement, the cash
74 settlement will be based on the weighted average price received by the Overproduced Party for any gas sold from the

1 Balancing Area under Arm's Length Agreements during the months to which such Overproduction is attributed. In the event
2 that no sales under Arm's Length Agreements were made during any such month, the cash settlement for such month will be
3 based on the spot sales prices published for the applicable geographic area during such month in a mutually acceptable pricing
bulletin.

4 7.7 Interest compounded at the rate of Zero percent (0%) per annum or the maximum lawful
5 rate of interest applicable to the Balancing Area, whichever is less, will accrue for all amounts due under Section 7.1 beginning the first day following the
6 date payment is due pursuant to Section 7.3. Such interest shall be borne by the Operator or any Overproduced Party in the proportion that their respective
7 delays beyond the deadline set out in Sections 7.2 and 7.3 contributed to the accrual of the interest.

8 7.8 In lieu of the cash settlement required by Section 7.3, an Overproduced Party may deliver to the Underproduced Party
9 an offer to settle its Overproduction in-kind and at such rates, quantities, times and sources as may be agreed upon by the
10 Underproduced Party. If the Parties are unable to agree upon the manner in which such in-kind settlement gas will be
11 furnished within sixty (60) days after the Overproduced Party's offer to settle in kind, which period may be extended by
12 agreement of said Parties, the Overproduced Party shall make a cash settlement as provided in Section 7.3. The making of an
13 in-kind settlement offer under this Section 7.8 will not delay the accrual of interest on the cash settlement should the Parties
14 fail to reach agreement on an in-kind settlement.

15 7.9 **(Optional - For Balancing Areas Subject to Federal Price Regulation)** That portion of any monies collected by an
16 Overproduced Party for Overproduction which is subject to refund by orders of the Federal Energy Regulatory Commission or
17 other governmental authority may be withheld by the Overproduced Party until such prices are fully approved by such
18 governmental authority, unless the Underproduced Party furnishes a corporate undertaking, acceptable to the Overproduced
19 Party, agreeing to hold the Overproduced Party harmless from financial loss due to refund orders by such governmental
20 authority.

21 7.10 **(Optional - Interim Cash Balancing)** At any time during the term of this Agreement, any Overproduced Party
22 may, in its sole discretion, make cash settlement(s) with the Underproduced Parties covering all or part of its outstanding Gas
23 imbalance, provided that such settlements must be made with all Underproduced Parties proportionately based on the relative
24 imbalances of the Underproduced Parties, and provided further that such settlements may not be made more often than once
25 every twenty-four (24) months. Such settlements will be calculated in the same manner provided above for final cash
26 settlements. The Overproduced Party will provide Operator a detailed accounting of any such cash settlement within thirty (30)
27 days after the settlement is made.

28 8. TESTING

29 Notwithstanding any provision of this Agreement to the contrary, any Party shall have the right, from time to time, to
30 produce and take up to one hundred percent (100%) of a well's entire Gas stream to meet the reasonable deliverability test(s)
31 required by such Party's Gas purchaser, and the right to take any Makeup Gas shall be subordinate to the right of any Party to
32 conduct such tests; provided, however, that such tests shall be conducted in accordance with prudent operating practices only
33 after Thirty (30) days' prior written notice to the Operator and shall last no longer
34 Forty-eight (48) hours.

35 9. OPERATING COSTS

36 Nothing in this Agreement shall change or affect any Party's obligation to pay its proportionate share of all costs and
37 liabilities incurred in operations on or in connection with the Balancing Area, as its share thereof is set forth in the Operating
38 Agreement, irrespective of whether any Party is at any time selling and using Gas or whether such sales or use are in
39 proportion to its Percentage Interest in the Balancing Area.

40 10. LIQUIDS

41 The Parties shall share proportionately in and own all liquid hydrocarbons recovered with Gas by field equipment operated
42 for the joint account in accordance with their Percentage Interests in the Balancing Area.

43 11. AUDIT RIGHTS

44 Notwithstanding any provision in this Agreement or any other agreement between the Parties hereto, and further
45 notwithstanding any termination or cancellation of this Agreement, for a period of two (2) years from the end of the calendar
46 year in which any information to be furnished under Section 5 or 7 hereof is supplied, any Party shall have the right to audit
47 the records of any other Party regarding quantity, including but not limited to information regarding Btu-content.
48 Any Underproduced Party shall have the right for a period of two (2) years from the end of the calendar year in which any
49 cash settlement is received pursuant to Section 7 to audit the records of any Overproduced Party as to all matters concerning
50 values, including but not limited to information regarding prices and disposition of Gas from the Balancing Area. Any such
51 audit shall be conducted at the expense of the Party or Parties desiring such audit, and shall be conducted, after reasonable
52 notice, during normal business hours in the office of the Party whose records are being audited. Each Party hereto agrees to
53 maintain records as to the volumes and prices of Gas sold each month and the volumes of Gas used in its own operations,
54 along with the Royalty paid on any such Gas used by a Party in its own operations. The audit rights provided for in this
55 Section 11 shall be in addition to those provided for in Section 5.2 of this Agreement.

56 12. MISCELLANEOUS

57 12.1 As between the Parties, in the event of any conflict between the provisions of this Agreement and the provisions of
58 any gas sales contract, or in the event of any conflict between the provisions of this Agreement and the provisions of the
59 Operating Agreement, the provisions of this Agreement shall govern.

60 12.2 Each Party agrees to defend, indemnify and hold harmless all other Parties from and against any and all liability for
61 any claims, which may be asserted by any third party which now or hereafter stands in a contractual relationship with such
62 indemnifying Party and which arise out of the operation of this Agreement or any activities of such indemnifying Party under
63 the provisions of this Agreement, and does further agree to save the other Parties harmless from all judgments or damages
64 sustained and costs incurred in connection therewith.

65 12.3 Except as otherwise provided in this Agreement, Operator is authorized to administer the provisions of this
66 Agreement, but shall have no liability to the other Parties for losses sustained or liability incurred which arise out of or in
67 connection with the performance of Operator's duties hereunder, except such as may result from Operator's gross negligence or
68 willful misconduct. Operator shall not be liable to any Underproduced Party for the failure of any Overproduced Party, (other
69 than Operator) to pay any amounts owed pursuant to the terms hereof.

70 12.4 This Agreement shall remain in full force and effect for as long as the Operating Agreement shall remain in force and
71 effect as to the Balancing Area, and thereafter until the Gas accounts between the Parties are settled in full, and shall inure to
72 the benefit of and be binding upon the Parties hereto, and their respective heirs, successors, legal representatives
73

1 and assigns, if any. The Parties hereto agree to give notice of the existence of this Agreement to any successor in interest of
2 any such Party and to provide that any such successor shall be bound by this Agreement, and shall further make any transfer of
any interest subject to the Operating Agreement, or any part thereof, also subject to the terms of this Agreement.

3 12.5 Unless the context clearly indicates otherwise, words used in the singular include the plural, the plural includes the
4 singular, and the neuter gender includes the masculine and the feminine.

5 12.6 In the event that any "Optional" provision of this Agreement is not adopted by the Parties to this Agreement by a
6 typed, printed or handwritten indication, such provision shall not form a part of this Agreement, and no inference shall be
7 made concerning the intent of the Parties in such event. In the event that any "Alternative" provision of this Agreement is not
8 so adopted by the Parties, Alternative 1 in each such instance shall be deemed to have been adopted by the Parties as a result
9 of any such omission. In those cases where it is indicated that an Optional provision may be used only if a specific Alternative
10 is selected: (i) an election to include said Optional provision shall not be effective unless the Alternative in question is selected;
11 and (ii) the election to include said Optional provision must be expressly indicated hereon, it being understood that the
12 selection of an Alternative either expressly or by default as provided herein shall not, in and of itself, constitute an election to
13 include an associated Optional provision.

14 12.7 This Agreement shall bind the Parties in accordance with the provisions hereof, and nothing herein shall be construed
15 or interpreted as creating any rights in any person or entity not a signatory hereto, or as being a stipulation in favor of any
16 such person or entity.

17 12.8 If contemporaneously with this Agreement becoming effective, or thereafter, any Party requests that any other Party
18 execute an appropriate memorandum or notice of this Agreement in order to give third parties notice of record of same and
19 submits same for execution in recordable form, such memorandum or notice shall be duly executed by the Party to which such
20 request is made and delivered promptly thereafter to the Party making the request. Upon receipt, the Party making the request
21 shall cause the memorandum or notice to be duly recorded in the appropriate real property or other records affecting the
22 Balancing Area.

23 12.9 In the event Internal Revenue Service regulations require a uniform method of computing taxable income by all
24 Parties, each Party agrees to compute and report income to the Internal Revenue Service (select one) as if such Party were
25 taking its Full Share of Current Production during each relevant tax period in accordance with such regulations, insofar as same
26 relate to entitlement method tax computations; or based on the quantity of Gas taken for its account in accordance with
27 such regulations, insofar as same relate to sales method tax computations.

28 **13. ASSIGNMENT AND RIGHTS UPON ASSIGNMENT**

29 13.1 Subject to the provisions of Sections 13.2 (if elected) and 13.3 hereof, and notwithstanding anything in this Agreement
30 or in the Operating Agreement to the contrary, if any Party assigns (including any sale, exchange or other transfer) any of its
31 working interest in the Balancing Area when such Party is an Underproduced or Overproduced Party, the assignment or other
32 act of transfer shall, insofar as the Parties hereto are concerned, include all interest of the assigning or transferring Party in the
33 Gas, all rights to receive or obligations to provide or take Makeup Gas and all rights to receive or obligations to make any
34 monetary payment which may ultimately be due hereunder, as applicable. Operator and each of the other Parties hereto shall
35 thereafter treat the assignment accordingly, and the assigning or transferring Party shall look solely to its assignee or other
36 transferee for any interest in the Gas or monetary payment that such Party may have or to which it may be entitled, and shall
37 cause its assignee or other transferee to assume its obligations hereunder.

38 13.2 **(Optional - Cash Settlement Upon Assignment)** Notwithstanding anything in this Agreement (including but not
39 limited to the provisions of Section 13.1 hereof) or in the Operating Agreement to the contrary, and subject to the provisions
40 of Section 13.3 hereof, in the event an Overproduced Party intends to sell, assign, exchange or otherwise transfer any of its
41 interest in a Balancing Area, such Overproduced Party shall notify in writing the other working interest owners who are
42 Parties hereto in such Balancing Area of such fact at least Thirty (30) days prior to closing the
43 transaction. Thereafter, any Underproduced Party may demand from such Overproduced Party in writing, within
44 Thirty (30) days after receipt of the Overproduced Party's notice, a cash settlement of its
45 Underproduction from the Balancing Area. The Operator shall be notified of any such demand and of any cash settlement
46 pursuant to this Section 13, and the Overproduction and Underproduction of each Party shall be adjusted accordingly. Any cash
47 settlement pursuant to this Section 13 shall be paid by the Overproduced Party on or before the earlier to occur (i) of sixty (60)
48 days after receipt of the Underproduced Party's demand or (ii) at the closing of the transaction in which the Overproduced
49 Party sells, assigns, exchanges or otherwise transfers its interest in a Balancing Area on the same basis as otherwise set forth in
50 Sections 7.3 through 7.6 hereof, and shall bear interest at the rate set forth in Section 7.7 hereof, beginning sixty (60) days
51 after the Overproduced Party's sale, assignment, exchange or transfer of its interest in the Balancing Area for any amounts not
52 paid. Provided, however, if any Underproduced Party does not so demand such cash settlement of its Underproduction from the
53 Balancing Area, such Underproduced Party shall look exclusively to the assignee or other successor in interest of the
54 Overproduced Party giving notice hereunder for the satisfaction of such Underproduced Party's Underproduction in accordance
55 with the provisions of Section 13.1 hereof.

56 13.3 The provisions of this Section 13 shall not be applicable in the event any Party mortgages its interest or disposes of its
57 interest by merger, reorganization, consolidation or sale of substantially all of its assets to a subsidiary or parent company, or to
58 any company in which any parent or subsidiary of such Party owns a majority of the stock of such company.

59 **14. OTHER PROVISIONS**

1 **15. COUNTERPARTS**

2 This Agreement may be executed in counterparts, each of which when taken with all other counterparts shall constitute
3 a binding agreement between the Parties hereto; provided, however, that if a Party or Parties owning a Percentage Interest in
4 the Balancing Area equal to or greater than a _____ percent (____%) therein fail(s) to execute this
5 Agreement on or before _____, this Agreement shall not be binding upon any Party and shall be of
6 no further force and effect.

7 IN WITNESS WHEREOF, this Agreement shall be effective as of the 13th day of July, 2020.

8

9 **ATTEST OR WITNESS:**

10 **OPERATOR**

11 **GULFPORT APPALACHIA, LLC**

12 _____ BY: _____

13 _____

14 Type or print name

15 _____ Title _____

16 _____ Date _____

17 _____ Tax ID or S.S. No. _____

18 _____

19 **NON-OPERATORS**

20 _____

21 _____ BY: _____

22 _____

23 Type or print name

24 _____ Title _____

25 _____ Date _____

26 _____ Tax ID or S.S. No. _____

27 _____

28 _____

29 _____ BY: _____

30 _____

31 _____ Type or print name

32 _____ Title _____

33 _____ Date _____

34 _____ Tax ID or S.S. No. _____

35 _____

36 _____

37 _____

38 _____

39 _____

40 _____

41 _____

42 _____

**STATE OF OHIO
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL AND GAS RESOURCES MANAGEMENT**

In re the Matter of the Application of :
Gulfport Appalachia, LLC for :
Unit Operation : Application Date: July 13, 2020
: :
Angelo Unit :

**PREPARED TESTIMONY OF MICHAEL PARKS
ON BEHALF OF GULFPORT APPALACHIA, LLC**

Jenae Allert (0097503)
GULFPORT APPALACHIA, LLC
3001 Quail Springs Parkway
Oklahoma City, Oklahoma 73134

Attorney for Applicant,
Gulfport Appalachia, LLC

Date: July 7, 2020

PREPARED DIRECT TESTIMONY OF MICHAEL PARKS

INTRODUCTION.

Q1. Please state your name and business address.

A1. My name is Michael C. Parks and my business address is 3001 Quail Springs Parkway, Oklahoma City, Oklahoma 73134.

Q2. Who is your employer?

A2. Gulfport Energy \ Gulfport Appalachia, LLC.

Q3. What is your position with Gulfport?

A3. Geoscientist, Appalachia

Q4. Please describe your professional responsibilities at Gulfport.

A4. As a geoscientist at Gulfport Energy, my responsibilities include development planning, mapping, geosteering, and evaluating daily drilling data as it pertains to our drilling operation. Pertinent skills include well-log analysis, basin modeling, mapping, geosteering and interpreting geologic data.

Q5. Starting with college, would you describe your education background?

A5. Bachelor of Science degree in Environmental Science, Oklahoma State University (2003), Masters of Science in Geology, Oklahoma State University (2011).

Q6. Would you briefly describe your professional experience?

A6. Professional Experience: Beginning in 2011 with Chesapeake Energy, I worked as a geologist on numerous projects in both the Barnett Shale and Haynesville Shale. Before leaving Chesapeake Energy, I was the lead development geologist for the Fort Worth Basin and geosteered 100+ wells in my time there. Since joining Gulfport Energy in 2014, I have worked in the Utica group, geosteering 100+ wells in the Appalachia Basin. In addition to geosteering, I'm responsible for targeting and planning wells, as well as working with engineering teams to optimize performance both before and after the well is drilled.

Q7. Are you a member of any professional associations?

A7. Yes, I'm an active member with the American Association of Petroleum Geologists, Tulsa Geological Society, and Oklahoma City Geological Society.

Q8. Are you familiar with Gulfport's Application for Unit Operations with respect to the Angelo Unit?

A8. Yes.

Q9. Could you please describe the Angelo Unit, in terms of its general location, surface acreage, and subsurface depth?

A9. Yes. The Angelo Unit consists of 62 distinct tracts of land totaling 581.837 acres in Warren Township of Jefferson County, Ohio. Exhibit GEO-1 in the Application depicts the geographical location of the proposed unit in relation to the surrounding counties. The Unitized Formation described in the Application is the subsurface portion of the Angelo Unit found at a depth located from 50' above the top of the Utica Shale, to 50' below the top of the Trenton Limestone formation.

UNITIZED FORMATION IS PART OF A POOL.

Q10. In geological terms, what does the term “pool” mean in connection with unitization?

A10. A pool is a reservoir within a single common source of supply within a rock unit that yields hydrocarbons when drilled and completed.

Q11. Ohio Revised Code § 1509.01(E) defines the term “pool” as follows: “Pool” means an underground reservoir containing a common accumulation of oil or gas, or both, but does not include a gas storage reservoir. Each zone of a geological structure that is completely separated from any other zone in the same structure may contain a separate pool.” Does this definition of “pool” apply to the Angelo Unit?

A11. Yes. Geologic mapping shows the entire Angelo Unit to be underlain by the Utica/Point Pleasant formation, which is of the same approximate thickness throughout the Angelo Unit area. The hydrocarbon accumulation extends in all directions from this proposed unit and the rock properties such as thermal maturity, porosity, and water saturation are consistent throughout the entire unit and constitute a common source of supply. This means that the reservoir characteristics with similar rock properties extends laterally under the entire unit, suggesting that production would be similar from all wells drilled in and around the unit. Therefore, the Unitized Formation qualifies as part of a pool with the entire pool being the Utica/Point Pleasant formation extending far beyond the currently defined Angelo Unit.

Q12. How do geologists investigate the geologic characteristics of a shale play in the Utica/Point Pleasant formation?

A12. Geologists study well logs, sample cuttings, core, and other measurable rock properties to gain information such as porosity, permeability, water saturation, mineral content, and thermal maturity of organic material. Correlation of this information over a large area reveals a regional picture or trend of the Utica/Point Pleasant formation.

Q13. Generally speaking, what sources of data would you review and analyze in order to assess the geologic characteristics of a potential shale play?

A13. Available core reports, mud log, and electric log data along with applicable publications and studies conducted for the play area.

Q14. How is this data obtained, and what is it meant to show about the formation?

A14. Data are obtained thru public information sources such as the ODNR, thru vendors such as IHS, and proprietary data from logs or cores taken on Gulfport operated or non-operated interest wells and some acquired through data trades with other operators. The data are used to build a geological data base to pick consistent formation tops which are then used to create structure and isopach maps of the various formations throughout the area of interest.

Q15. What data sources did you use in determining the geologic features of the Angelo Unit?

A15. Mapping derived from Gulfport's geological data bases provides the structural position and thickness of the Utica pool in and around the unit. Using electric log data from wells drilled to the underlying Trenton Lime penetrations in the area were used to construct Exhibits GEO-1 and GEO-2 in the Unit Application. Using nearby available wells with Trenton Lime penetrations in the area, Exhibit GEO-1 shows a well ~3.1 miles to the southwest and one well ~7.2 miles to the northeast of the proposed unit. The cross-section found in Exhibit GEO-2 has been flattened to a datum at the top of the Trenton Lime to show the uniform thickness of the Utica/Point Pleasant across the unit and surrounding area.

Q16. What do these exhibits tell us about the Angelo Unit?

A16. Exhibits GEO-1 is a location map showing the Angelo Unit with respect to the

logs used in the cross section found on Exhibit GEO-2. The cross-section suggests a similar thickness and rock properties of the Utica/ Point Pleasant between the two electric logs and the similar predicted thickness and rock properties within the Angelo Unit.

Q17. What is the approximate depth of the Utica/Point Pleasant formation under the Angelo Unit?

A17. The top of the Utica/Point Pleasant formation is expected to be encountered at approximately 9,505 feet True Vertical Depth. Estimated total true vertical thickness of the Utica/Point Pleasant is approximately 700', (Utica ~ 572' and Point Pleasant ~ 124')

Q18. Are there geologic and/or drilling risks associated with the proposed Angelo Unit?

A18. Yes, there are risks associated with drilling horizontal wells, such as mechanical drilling rig or drilling tool failures. Drilling the first well in a unit comes with additional risks such as encountering unexpected geologic structure, vertical depth anomalies, or unknown natural fractures.

Q19. Which formations are included in the proposed Angelo Unit?

A19. The Unitized Formation described in the Application is the Utica/Point Pleasant in the Angelo Unit at depths located from 50' above the top of the Utica Shale to 50' below the top of the Trenton Limestone formation.

Q20. How and why were these formations chosen?

A20. During the exploration and development of the Utica Shale and Point Pleasant formations to date they have been proven to be both the source and reservoir for the producible hydrocarbon pool if found with the suitable thermal maturity window and rock properties that allow production using current completion techniques. The Angelo unit is located within this productive portion of the pool.

Q21. Based on the data you analyzed, should the area be considered a pool?

A21. Yes

Q22. Could you please explain why?

A22. Gulfport's study of the regional Utica/Point Pleasant pool indicates the reservoir properties anticipated for the Angelo Unit in the Utica/Point Pleasant would be

included as a part of the pool.

ALLOCATION METHODOLOGY

Q23. Are you generally familiar with the manner in which unit plans allocate production and unit expenses to parcels within the unit?

A23. Yes.

Q24. You testified earlier that the Utica/Point Pleasant formation underlying the Angelo Unit has a relatively uniform thickness and reservoir quality. Given those characteristics, what would be an appropriate method of allocating production and unit expenses among the parcels contained in the Angelo Unit?

A24. Yes because of the reservoir quality and relatively uniform thickness across the unit. An appropriate method of allocation would be on a surface-acreage basis.

Q25. Is this method used elsewhere?

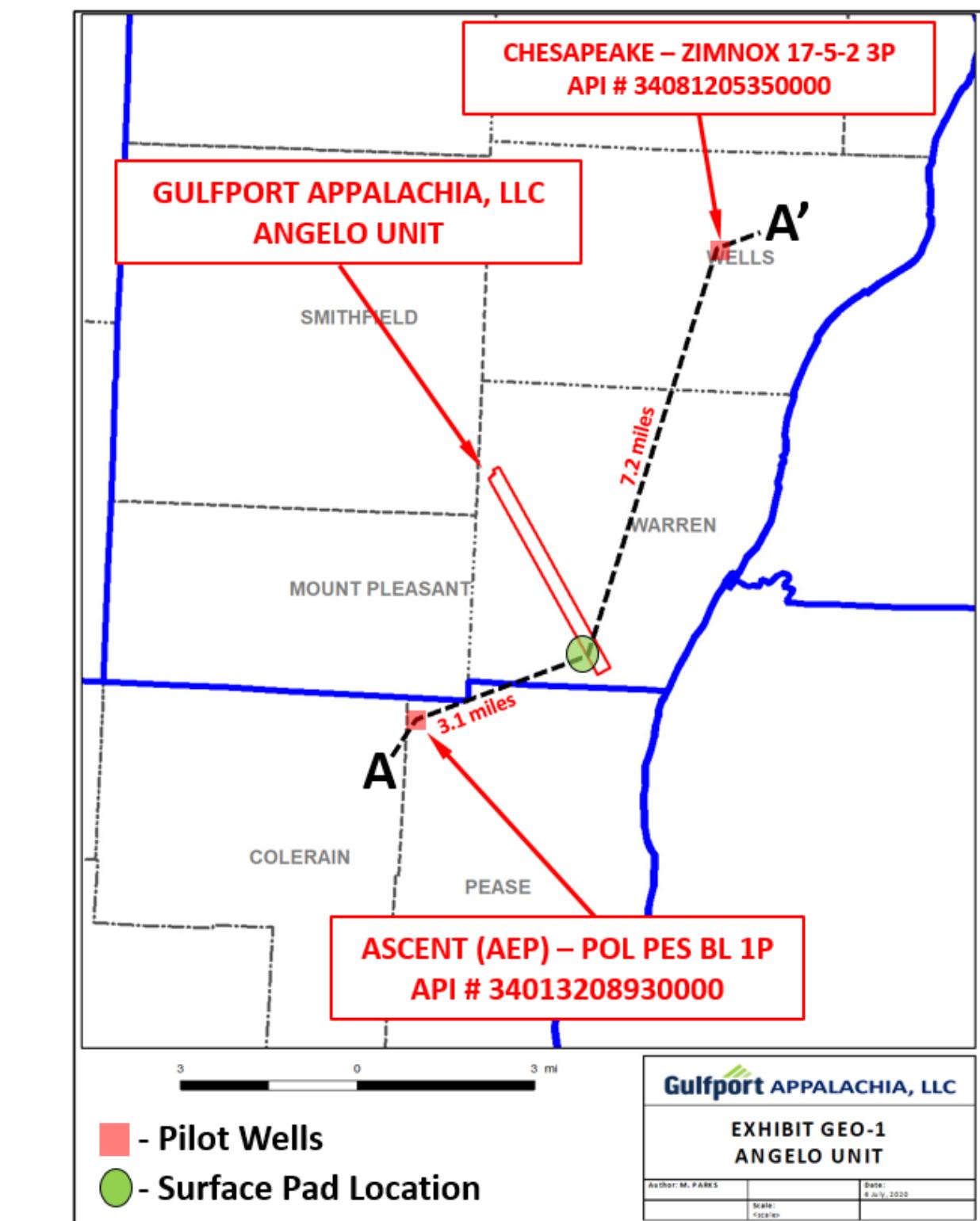
A25. Yes.

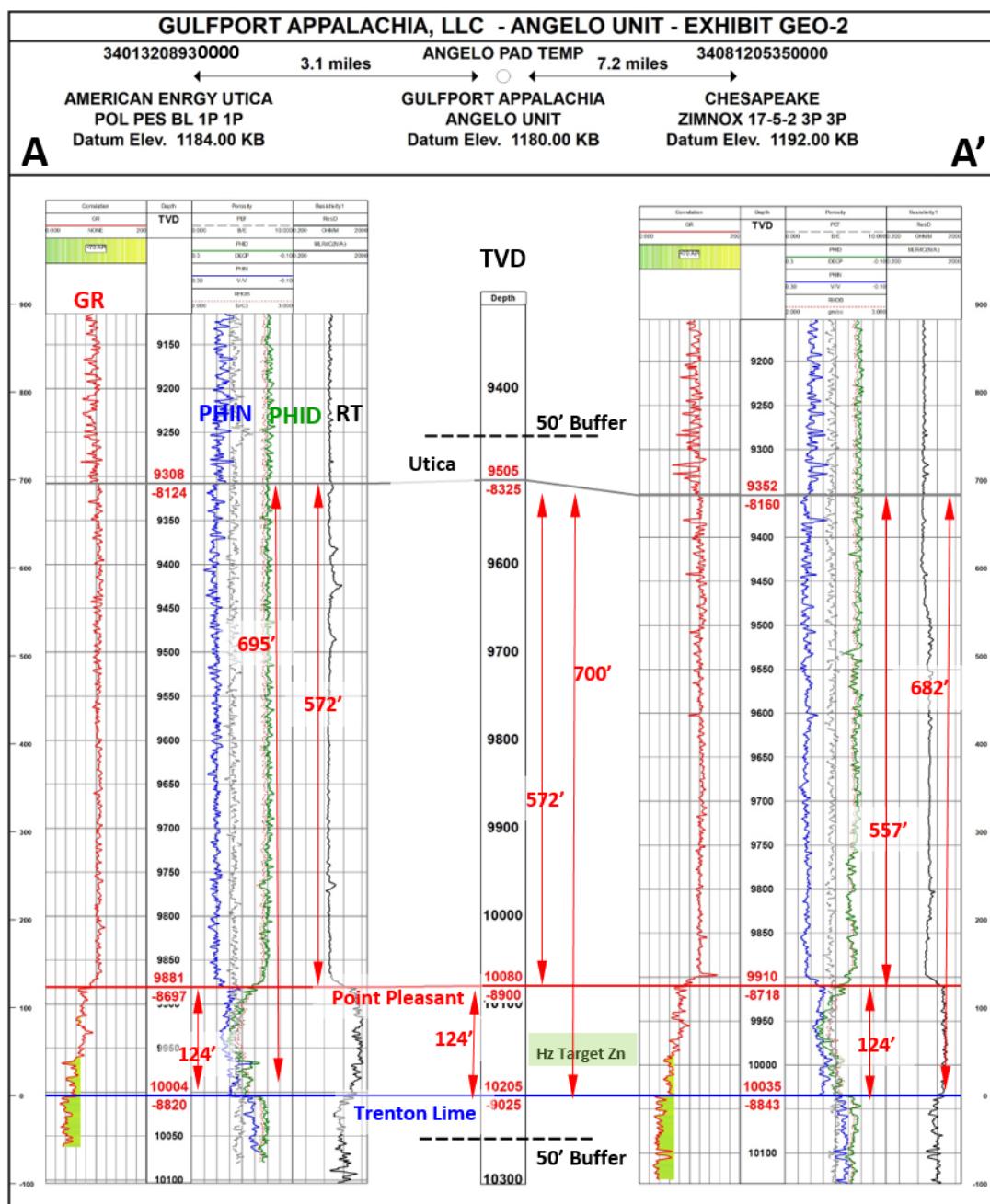
Q26. What method of allocation is utilized in the unit plan for the Angelo Unit?

A26. Based on the testimony of Zac McCoy, production and unit expenses are allocated on a surface-acreage basis.

Q27. Does this conclude your testimony?

A27. Yes.





**STATE OF OHIO
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL AND GAS RESOURCES MANAGEMENT**

In re the Matter of the Application of :
Gulfport Appalachia, LLC for :
Unit Operation : Application Date: July 13, 2020
: :
Angelo Unit :

**PREPARED TESTIMONY OF DANIEL NANCE
ON BEHALF OF GULFPORT APPALACHIA, LLC**

Jenae Allert (0097503)
GULFPORT APPALACHIA, LLC
3001 Quail Springs Parkway
Oklahoma City, Oklahoma 73134

Attorney for Applicant,
Gulfport Appalachia, LLC

Date: July 6, 2020

PREPARED DIRECT TESTIMONY OF DANIEL NANCE

1 **Q1. Please introduce yourself.**

2 A1. My name is Daniel Nance and my business address is 3001 Quail Springs Parkway,
3 Oklahoma City, Oklahoma 73134. I am a Resource Development Engineer for Gulfport
4 Appalachia, LLC.

5 **Q2. What is the purpose of your testimony today?**

6 A2. I am testifying in support of the Application of Gulfport Appalachia, LLC for Unit
7 Operation filed with respect to the Angelo Unit, consisting of sixty-two (62) separate
8 tracts of land totaling approximately 581.837 acres in Jefferson County, Ohio. My
9 testimony addresses the following: (1) unit operations for the Angelo Unit are reasonably
10 necessary to increase substantially the recovery of oil and gas and (2) the value of the
11 estimated additional recovery due to unit operations exceeds the estimated additional
12 costs.

13 **Q3. Can you summarize your educational experience for me?**

14 A3. I hold a Bachelors of Science in Chemical Engineering from Oklahoma State University.

15 **Q4. Are you a member of any professional associations?**

16 A4. I am a member of The Society of Petroleum Engineers.

17 **Q5. How long have you been a Reservoir Engineer for Gulfport?**

18 A5. Since April 2018, or approximately two years.

19 **Q6. What other work experiences have you had?**

20 A6. I currently have 10 years of full time experience. I have worked for LINN Energy as a
21 Reservoir Engineer, Completions Engineer, and Drilling Engineer, and in my current role
22 at Gulfport Energy as a Reservoir Engineer.

23 **Q7. What does being a reservoir engineer entail?**

24 A7. I perform reserve evaluations estimating reserves and recoveries. I analyze the economics
25 and risk assessment of developmental wells and projects. I calculate how many
26 hydrocarbons are believed to exist or remain on Gulfport properties as well as how much
27 we can economically expect to produce.

28 **Q8. How do you do that?**

29 A8. There are several methods available such as volumetric analysis, utilizing analogous
30 offset production, and decline-curve analysis that can be used to make projections about
31 how much hydrocarbon exists and how much can be produced. Geologic data, drilling

1 and fracturing techniques, and costs are considered to estimate economics.

2 **Q9. Did you perform any calculations to support Gulfport's application for unitization**
3 **for the proposed Angelo Unit?**

4 A9. Yes, I did.

5 **Q10. And did you perform those calculations yourself, or did someone assist you?**

6 A10. I performed the calculations myself.

7 **Q11. What sort of calculations were you asked to perform?**

8 A11. I estimated the reserves for both non-unitized and unitized scenarios for the Angelo Unit.

9 Under the current un-unitized acreage, Gulfport would be limited to partial development
10 of the unit with one horizontal well (approximately 4,455' lateral length) when
11 considering the exclusion of parcels with uncommitted, unleased, or partially unleased
12 interests. This lateral is of insufficient length to generate an economic return; therefore,
13 Gulfport would not develop the unit in the non-unitized scenario under assumed
14 economic conditions. If the acreage were approved for full development, Gulfport would
15 be able to drill one horizontal wells (approximately 19,833' lateral length) from a single
16 pad in an adjacent unit.

17 **Q12. Why horizontal wells?**

18 A12. The vast majority of unconventional shale reservoirs cannot be produced at economic
19 flow rates and do not produce economic volumes of oil and gas without the use of
20 horizontal drilling and the assistance of stimulation treatments like hydraulic fracturing.
21 This largely explains why Utica Shale exploration and production in Ohio is a recent
22 development. The permeability of shale formations, including the Utica formation, is
23 extremely low. In order for hydrocarbons found in the shale reservoir to flow at economic
24 rates, the surface area open to flow must be maximized. Thus far, horizontal multi-stage,
25 hydraulically-fractured wells are the most efficient way that the oil and gas industry has
26 been able to maximize the surface area exposed to the reservoir for flow purposes.

27 **Q13. How are horizontal wells drilled?**

28 A13. Horizontal drilling is the process of drilling down vertically to a point commonly referred
29 to as the kickoff point, and then gradually turning the wellbore to drill and place the
30 wellbore in the desired hydrocarbon bearing formation – in this case, the Utica shale –
31 horizontally in order to maximize the areal contact of the reservoir. This technology,

1 along with hydraulically fracturing the formation, is required to economically develop
2 unconventional resources like shale gas formations.

3 **Q14. How deep is the desired hydrocarbon bearing formation that you are referring to?**

4 A14. It depends on the well being drilled, but for the proposed Angelo Unit, it is likely to be
5 approximately 10,085' TVD (true vertical depth) based on data gathered from an offset
6 that was recently drilled.

7 **Q15. Is horizontal drilling common in the oil and gas industry?**

8 A15. Yes. The oil and gas industry has been drilling horizontal wells for many years. Also,
9 hydraulic fracturing has been used in the oil and gas industry for more than seventy years.
10 The combination of hydraulic fracturing and horizontal drilling is what is allowing shale
11 formations like the Utica to finally be developed.

12 **Q16. Is it fair to say, then, that horizontal wells are the predominant method used to
13 develop shale formations like the Utica today?**

14 A16. Yes.

15 **Q17. Turning specifically to the Angelo Unit, have you made an estimate of the
16 production you anticipate from the proposed unit's operations?**

17 A17. Yes, I have evaluated and estimated the production potential from the Utica formation in
18 the Angelo Unit and believe that the gross production from unitized operations, as
19 proposed in this application, if successful, could be as much as 42.1 BCF of gas.

20 **Q18. How did you make those estimates?**

21 A18. From analogy of offset Utica horizontal wells and from decline-curve analysis. There are
22 horizontal Utica wells located within approximately six miles of the proposed unit that I
23 believe have similar characteristics in terms of fluid type and production profile;
24 therefore, data from those wells were used in my calculations.

25 **Q19. Once you had that data from the other Utica shale wells, what did you do with it?**

26 A19. I used actual production data from those wells to develop an average Utica production
27 profile or "type curve" using decline-curve analysis. With all wells, production and
28 pressure is highest at the onset and gradually decreases to a point where production
29 cannot be sustained without some degree of additional stimulation. These declines can be
30 plotted and, for wells within the same formation, tend to exhibit similar characteristics.
31 In the type curve process, data from the first day of production for all the wells are all

1 aligned, and the production volumes are then averaged. This will produce the average
2 production profile of the wells included in the type curve. A mathematical expression is
3 then used to match the existing production and forecast the future production that is
4 expected to be produced from the well. This is referred to as "decline-curve analysis."
5 Type curves are routinely used in the industry to estimate reserves.

6 **Q20. I see that you've qualified your calculations as an estimate. Does that mean that you**
7 **cannot calculate the production from these wells ahead of time with mathematical**
8 **certainty?**

9 A20. Yes, that is correct. The ultimate recovery of a well cannot be known until it has
10 produced its last drop, which will not be for many years. However, we have established
11 production and test data in the area.

12 **Q21. In your professional opinion, would it be economic to develop the Angelo Unit using**
13 **traditional vertical drilling?**

14 A21. No. These unconventional reservoirs cannot be produced at economic flow rates or do
15 not produce economic volumes of oil and gas without the use of horizontal drilling and
16 the assistance of stimulation treatments. This largely explains why the Utica Shale had
17 not been developed prior to the recent horizontal activity in Ohio.

18 **Q22. Are the estimates that you made based on good engineering practices and accepted**
19 **methods in the industry?**

20 A22. Yes.

21 **Q23. Do you have the calculations you performed?**

22 A23. Yes. The summary of my calculations is attached to this prepared testimony as Exhibit
23 "DN-1".

24 **Q24. Can you summarize what your calculations show?**

25 A24. First, I looked at the economics of non-unitization. In this case, Gulfport would be
26 limited to partial development of the unit when considering the exclusion of parcels with
27 uncommitted, unleased, or partially unleased interests. For this scenario, the Angelo A
28 lateral would measure approximately 4,455'.

29 **Q25. Did you also estimate what could be recovered if operations in this area are unitized,**
30 **as is being proposed by this application?**

31 A25. Yes. In that case, a unitization order would provide for accounting of unleased, partially

1 leased, and/or otherwise uncommitted interests, allowing Gulfport to fully develop the
2 unit with one horizontal lateral. The Angelo A lateral would measure approximately
3 19,833'.

4 **Q26. Can you summarize what those calculations show?**

5 A26. Yes. Under the current un-unitized acreage, Gulfport would be limited to partial
6 development of the unit with one horizontal well. This lateral is of insufficient length to
7 generate an economic return; therefore, Gulfport would not develop the unit in the non-
8 unitized scenario under assumed economic conditions. If unitization occurs, Gulfport
9 will be able to produce approximately 42.1 BCF of gas over the productive life of the one
10 well.

11 **Q27. Is the unitized recovery due solely to being able to drill beneath the currently
12 uncommitted, unleased, or partially leased parcels?**

13 A27. No. The oil and gas from those parcels accounts for part of the increase, but the majority
14 of the increase is from what would otherwise be stranded reserves associated with fully
15 leased parcels that could not be produced unless the Division approves the unitization
16 application for full unit operation. The oil and gas reserves associated with the fully
17 leased parcels would forever be left behind if not produced through unit operation by
18 these wells. Drilling an additional well or wells to try to recover those stranded reserves
19 is simply not economically feasible.

20 **Q28. Let's shift our focus to the economic calculations for this project. Have you made
21 an estimate of the economics of the proposed development of the Angelo Unit?**

22 A28. Yes.

23 **Q29. Would you walk us through your economic evaluation, beginning with your
24 estimate of the anticipated revenue stream from the Angelo Unit development?**

25 A29. During the reserve estimation process, not only were the ultimate reserve numbers
26 estimated, but the production profile of the reservoir hydrocarbons over time was also
27 developed. The production profile and a price scenario were used to develop the
28 revenues that are expected from the proposed unit's development.

29 **Q30. What do you mean when you say "production profile over time of the reservoir
30 hydrocarbons," and why is it important?**

31 A30. I am referring to the actual production we expect on a daily or monthly basis for the

1 well's entire life. This is important when doing an economic evaluation in which revenue
2 from future production is discounted in order to obtain the net present value and rate of
3 return for the specific project.

4 **Q31. What price scenario did you use?**

5 A31. A six-year forward strip price for June 5th, 2020 was used. This is the market's current
6 view of what gas and oil prices will be in the future and are not guaranteed to be the price
7 received for the produced hydrocarbons from the Angelo Unit. I have attached those
8 figures as Exhibit "DN-2".

9 **Q32. What about anticipated capital and operating expenses?**

10 A32. Capital and operating expenses were incorporated as well. The total estimated capital is
11 based on the anticipated costs for any processes related to pre-drill operations, drilling,
12 completions, facilities, and initially producing the well. The basis for this estimate comes
13 from recent costs we have experienced with our Utica formation development in the state
14 of Ohio. These costs were adjusted to correspond to the respective lateral length of each
15 lateral within the proposed unit. Also incorporated into the analysis are both fixed and
16 variable operating cost estimates estimated to be realized to maintain production for the
17 life of the well.

18 **Q33. Based on this information and your professional judgment, does the value of the
19 estimated recovery from the operations proposed for the Angelo Unit exceed its
20 estimated costs?**

21 A33. Yes. The total estimated cost of developing the Angelo Unit is approximately \$13.9
22 million. Undiscounted Net Cash Flow is \$23.6 million and using a 10% discount rate, the
23 net present value is approximately \$9.5 million.

24 **Q34. In your professional opinion, do you believe that the proposed unit operations for
25 the Angelo Unit are reasonably necessary to increase substantially the ultimate
26 recovery of oil and gas from the unit area?**

27 A34. Yes. It is my professional opinion that unit operations are reasonably necessary to
28 increase substantially the ultimate recovery of oil and gas from the unit area. This area
29 would not be able to be fully developed without unit operations. Further, unit operation
30 will protect the correlative rights of all of the mineral owners by effectively and
31 efficiently draining all of the reserves, eliminating any waste of mineral resources

1 associated with stranded reserves. There is no doubt in my mind that unit operation will
2 substantially increase the ultimate recovery of oil and gas from this unit area.

3 **Q35. In your professional opinion, does the value of increased recovery attributable to**
4 **unit operations exceed the estimated additional costs of unit operation?**

5 A35. Yes. To increase the exposure to the reservoir and produce the maximum amount of
6 hydrocarbons, placing horizontal wells across the entire proposed unit is ideal. This limits
7 the capital cost by limiting the number of required surface locations and wells and
8 maximizes the production from the proposed unit's operations. Without the proposed
9 unit operations, we would not be able to fully develop this area. As indicated above, the
10 estimated development of the proposed unit would require \$13.9 million in capital, and
11 would have an undiscounted net cash flow of \$23.6 million and a net present value
12 discounted at 10% per annum of approximately \$9.5 million. Thus, the value of the
13 increased recovery significantly outweighs the increased cost of unitized operation.

14 Financially, it makes sense to operate as a unit.

15 **Q36. And your opinions are based on your education and professional experience?**

16 A36. Yes.

17 **Q37. Does this conclude your testimony?**

18 A37. Yes.

Exhibit "DN-1"
ANGELO UNIT

Unitized Scenario							
Well Name	Lateral Length (ft)	Equivalent EUR (bcfe)	Undiscounted Net Revenue (M\$)	Undiscounted Operating Expenses (M\$)	Capital Costs (M\$)	Undiscounted Net Cash Flow (M\$)	PV10 (M\$)
ANGELO - A	19,833	42.1	60,502	20,519	13,862	23,624	9,465
Total	19,833	42.1	60,502	20,519	13,862	23,624	9,465

Non-Unitized Scenario - Economic Analysis ¹							
Well Name	Lateral Length (ft)	Estimated Contingent Resource (bcfe) ²	Undiscounted Net Revenue (M\$)	Undiscounted Operating Expenses (M\$)	Capital Costs (M\$)	Undiscounted Net Cash Flow (M\$)	PV10 (M\$)
ANGELO - A	4,455	9.4	13,589	6,453	6,848	-272	-1,693
Total	4,455	9.4	13,589	6,453	6,848	-272	-1,693

Non-Unitized Scenario - Gulfport Development ³							
Well Name	Lateral Length (ft)	Equivalent EUR (bcfe)	Undiscounted Net Revenue (M\$)	Undiscounted Operating Expenses (M\$)	Capital Costs (M\$)	Undiscounted Net Cash Flow (M\$)	PV10 (M\$)
ANGELO - A	0	0.0	0	0	0	0	0
Total	0	0.0	0	0	0	0	0

¹Scenario for demonstration purposes. Please see "Non-Unitized Scenario - Gulfport Development" for Gulfport's anticipated actual plan if unitization is not granted.

²Recoverable hydrocarbons associated with non-unitized lateral lengths are classified as "resource" rather than "reserves" due to uneconomic status.

³Gulfport will not plan to intentionally drill an uneconomic well; therefore, no development would occur in Non-Unitized Scenario as depicted.

EXHIBIT "DN-2"

STRIP PRICES AS OF JUNE 5, 2020

DATE	OIL PRICE \$/BBL.	GAS PRICE \$/MCF
Nov-Dec 2021	41.51	2.63
Jan-Dec 2022	42.99	2.46
Jan-Dec 2023	44.65	2.41
Jan-Dec 2024	46.43	2.40
Jan-Dec 2025	48.29	2.39
Jan-Dec 2026	50.20	2.39
Jan-Mar 2027	51.42	2.60
To Life	51.61	2.50

EXHIBIT "DN-3"
GULFPORT APPALACHIA, LLC
ANGELO UNIT
JEFFERSON COUNTY, OHIO
581.837 ACRES

SMITHFIELD
Township

T8N
R3W

WARREN
Township

Sec. 8

Sec. 13

Sec. 7

Sec. 1

Sec. 14

Sec. 26

Sec. 20

Sec. 14

MOUNT
PLEASANT
Township

Sec. 17

Sec. 11

Sec. 5

Sec. 16

Sec. 10

Sec. 4

Jefferson
County

Sec. 23

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Exhibit DN - 15.3.1
Angelo Unitization Application

API	WELLBORE NAME	UNIT	PROD START (DATE)	LATERAL (FT)
34013212840000	LANCE 210966 4B	LANCE NORTH	6/1/2019	11039
34013212780000	LANCE 210966 6A	LANCE NORTH	6/1/2019	11110
34013212860000	LANCE 210967 7A	WARE NORTH	6/1/2019	11090
34013212940000	LANCE 210970 1C	LANCE SOUTH	6/1/2019	7416
34013212830000	LANCE 210970 3B	LANCE SOUTH	6/1/2019	7510
34013212770000	LANCE 210970 5A	LANCE SOUTH	6/1/2019	7456
34013212820000	LANCE 211400 2A	RIDGETOP WEST	6/1/2019	11084
34013213590000	MCKEEGAN 210717 3B	MCKEEGAN NORTHWEST	5/1/2020	9052
34013213610000	MCKEEGAN 210717 5A	MCKEEGAN NORTHWEST	5/1/2020	9053
34013213600000	MCKEEGAN 210947 4A	MCKEEGAN SOUTH	5/1/2020	11904
34013213580000	MCKEEGAN 211723 1A	MCKEEGAN NORTHEAST	5/1/2020	17815
34013213140000	RIDGETOP 210955 2A	RIDGETOP EAST	5/1/2019	10073
34013213190000	RIDGETOP 210956 1C	RIDGETOP SOUTH	5/1/2019	8422
34013213180000	RIDGETOP 210956 3B	RIDGETOP SOUTH	5/1/2019	8395
34013213170000	RIDGETOP 210956 5A	RIDGETOP SOUTH	5/1/2019	8414
34013213150000	RIDGETOP 211400 4B	RIDGETOP WEST	5/1/2019	9982
34081206580000	SCHUBERT 210726 1A	CALHOUN	2/24/2017	8386
34013213630000	STARVAGGI 210725 1A ST01	STARVAGGI WEST	4/1/2020	16240
34013214160000	STARVAGGI 210727 3B	STARVAGGI EAST	4/1/2020	13458
34013213620000	STARVAGGI 210727 4A	STARVAGGI EAST	4/1/2020	15182
34013213440000	SUNSET 210969 1A	BUCKEYE	7/1/2019	7327
34013213450000	SUNSET 210969 2B	BUCKEYE	7/1/2019	8789
34013213460000	SUNSET 210969 3C	BUCKEYE	7/1/2019	8753
34013213390000	WARE 210971 1A	WARE SOUTH	6/1/2019	8229
34013213400000	WARE 210971 2B	WARE SOUTH	6/1/2019	8199
34013213410000	WARE 210971 3C	WARE SOUTH	6/1/2019	8217

**STATE OF OHIO
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL AND GAS RESOURCES MANAGEMENT**

In re the Matter of the Application of :
Gulfport Appalachia, LLC for :
Unit Operation : Application Date: July 13, 2020
: :
Angelo Unit :

**PREPARED TESTIMONY OF ZAC MCCOY
ON BEHALF OF GULFPORT APPALACHIA, LLC**

Jenae Allert (0097503)
Gulfport Appalachia, LLC
3001 Quail Springs Parkway
Oklahoma City, Oklahoma 73134

Attorney for Applicant,
Gulfport Appalachia, LLC

Date: July 13, 2020

1 **INTRODUCTION.**

2 **Q1. Please state your name and business address.**

3 A1. My name is Zac McCoy and my business address is 3001 Quail Springs Parkway,
4 Oklahoma City, Oklahoma 73134

5 **Q2. Who is your employer?**

6 A2. Gulfport Appalachia, LLC (“Gulfport”)

7 **Q3. What is your position with Gulfport?**

8 A3. I am a Division Landman.

9 **Q4. Please describe your professional responsibilities at Gulfport.**

10 A4. My responsibilities include reviewing and clearing title to well locations as part of
11 managing a multi-rig schedule, managing land brokers for lease acquisitions and
12 title abstracts, managing title attorneys for preparation of drilling title opinions and
13 confirmation of title prior to operations, negotiating and drafting various
14 agreements to facilitate leasehold acquisitions and drilling operations, and
15 providing operations departments with land support that is critical to ongoing
16 development of leasehold.

17 **Q5. Starting with college, please describe your educational background.**

18 A5. I graduated from The University of Oklahoma with a Bachelor of Arts in 2004.

19 **Q6. Please briefly describe your professional experience.**

20 A6. I began my career in September of 2004 as Landman for Jackfork Land, Inc.,
21 before moving on to Continental Land Resources, Inc. in December of 2006, where
22 I became a Project Manager in September 2007. In February 2012 I joined
23 Gulfport Energy Corporation as a Landman. In July of 2019, I was promoted to
24 Division Landman. I have accumulated nearly 8 years of experience working as a
25 landman in the Appalachian Basin.

26 **Q7. What do you do as a Division Landman?**

27 A7. Please see A4.

28 **Q8. Are you a member of any professional associations?**

29 A8. Yes, I am a member of Oklahoma City Association of Professional Landmen, and
30 American Association of Professional Landmen (“AAPL”). I am recognized as a
31 Certified Professional Landman (“CPL”), of which is the highest certification

Direct Testimony of Zac McCoy, Landman

1 granted to landmen by the AAPL. The CPL certification can be attained by way of
2 a combination of experience, education, and passing of a challenging written exam.
3 I am required to perform 50 hours of continuing education every 5 years in order to
4 maintain my CPL certification.

5 **Q9. Have you ever been involved in combining or pooling oil and gas interests for**
6 **development in other states?**

7 **A9.** No.

8 **Q10. Were you involved in the preparation of Gulfport's Application for**
9 **Unitization with respect to the Angelo Unit?**

10 **A10.** Yes, after our initial lease acquisition covering the relevant land, I have assisted in
11 the formation of the Angelo Unit in its present configuration and have been
12 involved with the preparation of this application for unitization.

13 **Q11. Can you generally describe the Angelo Unit?**

14 **A11.** Yes. The Angelo Unit consists of sixty-two (62) distinct parcels of land totaling
15 approximately 581.837 surveyed acres of land in Warren Township, Jefferson
16 County, State of Ohio.

17 **EFFORTS MADE BY GULFPORT TO LEASE UNIT TRACTS.**

18 **Q12. The Application submitted by Gulfport indicates that it holds the oil and gas**
19 **operational rights to 513.97845871 acres of the proposed 581.83700000**
20 **surveyed acre Unit. Would you describe how Gulfport acquired its rights?**

21 **A12.** Gulfport began acquiring these leasehold rights in 2013 through its own leasing
22 efforts as well as through a signed Lease Exchange Agreement by Ascent
23 Resources - Utica, LLC which is further detailed in the Affidavit of Fact.

24 **Q13. What percentage of the total acreage of the Angelo Unit is committed to the**
25 **unit and thus, Gulfport has the right to drill, produce, and appropriate**
26 **production therefrom?**

27 **A13.** 88.33719043%

28 **Q14. Is this calculation method the industry standard for determining an**
29 **Operator's committed working interest ownership?**

30 **A14.** Yes. In my experience this is the way an Operator's committed working interest
31 ownership is always calculated.

Direct Testimony of Zac McCoy, Landman

1 **Q15. Using this calculation method, what is the unleased ownership in the Unit?**

2 A15. 11.66280957%

3 **Q16. What tracts make up this percentage?**

4 A16. 5, 13, 27, 28A, 35B, 38, 43B, 44, 50, 54, 55, 58, 60, 61, and 62.

5 **Q17. Does Gulfport have voluntary agreements with any interest owners in these**
6 **parcels with unleased ownership?**

7 A17. Yes. Gulfport has voluntary agreements with interest owners in Tracts 5, 13, 35B
8 and 38.

9 **Q18. For the partially unleased parcels, how has Gulfport treated those under a**
10 **non-unitized scenario?**

11 A18. Gulfport has shown those parcels with a 400' setback.

12 **Q19. Have other working interest owners in the Angelo Unit approved the Unit**
13 **Plan prior to filing this Application?**

14 A19. No.

15 **Q20. Why was Gulfport not able to acquire the commitment of oil and gas rights to**
16 **all of the acreage in the proposed Unit?**

17 A20. As to the unleased and partially unleased tracts, some of these tracts are subject to
18 ancient mineral reservations which fall in the chain of title in the 1900's. Because
19 of the passage of time since these reservations, the interest has passed through
20 several estates, most of which have not been probated. Gulfport is conducting
21 extensive and time consuming heirship research which includes applying Ohio's
22 intestacy laws and employing multiple databases such as: Ancestry.com, Westlaw,
23 Accurint, and Family Search.

24 **Q21. Could you describe the location of the leased, unleased, partially unleased,**
25 **non-conforming, and uncommitted parcels within the Angelo Unit?**

26 A21. Yes. Exhibit ZM-2 thru ZM-3 are attached hereto, with plats showing each of the
27 tracts in the Angelo Unit.

28 **Q22. Have you prepared a log detailing Gulfport's efforts to obtain an agreement**
29 **from the unleased, partially unleased, non-conforming, and uncommitted**
30 **interest owners in the proposed Unit?**

31 A22. Yes. I have outlined Gulfport's communications in Exhibit ZM 1.1.

Direct Testimony of Zac McCoy, Landman

1 **UNIT PLAN PROVISIONS.**

2 **Q23. Would you describe generally the development plan for the Angelo Unit?**

3 A23. Gulfport plans to develop the Angelo Unit from the Angelo padsite. The Angelo
4 padsite will be adequately built to support a single horizontal well in a
5 northwesterly orientation planned in the Unit with a projected lateral length of
6 approximately 19,833 feet.

7 **Q24. Can you describe the location of the proposed wellbores within the Angelo
8 Unit?**

9 A24. Yes. I have attached as Exhibit ZM-2 & ZM-3 to my testimony a plat showing the
10 configuration of the wellbores.

11 **Q25. Do you know where the drilling and completion equipment will be located on
12 the pad?**

13 A25. Yes, We have acquired surface use agreements with the surface owners of those
14 parcels. Our plan to develop the surface location is to do so pursuant to the terms
15 of that agreement.

16 **Q26. If the Division were to issue an order authorizing the proposed Unit, and if
17 Gulfport agreed with the terms and conditions of that order, how long
18 thereafter would Gulfport drill the exploratory well contemplated by the
19 petition?**

20 A26. We plan to drill the initial well in the first quarter of 2021.

21 **Q27. Does Gulfport have a specific timeline for drilling additional wells in the
22 Angelo Unit?**

23 A27. There are no subsequent wells planned following the drilling of the initial well.

24 **Q28. What are the benefits to this type of Unit development?**

25 A28. Developing the Angelo Unit in the manner previously described protects the
26 correlative rights of the Unit participants while also providing for substantial
27 environmental and economic benefits. Drilling, completing and producing multiple
28 horizontal wells from a single pad site significantly reduces the environmental
29 impact by allowing Gulfport to build a single access road rather than many, reduce
30 traffic, and allow for the development of acreage that might not otherwise be
31 available for development due to various surface limitations (terrain, residences,

Direct Testimony of Zac McCoy, Landman

1 etc.). Developing the Utica Shale via the drilling of vertical wells is not
2 practicable, as this reservoir cannot be produced at economic flow rates or volumes
3 with vertical drilling, and due to the fact that even if economically feasible, surface
4 limitations set out above would prevent the practical well spacing necessary too
5 efficiently and effectively produce the reservoir. Horizontal drilling negates these
6 issues by allowing for a central pad locations to develop mineral acreage
7 underlying otherwise inaccessible lands with a minimum of surface disturbance.

8 **Q29. So is it fair to say that the benefits of this type of development are substantial?**

9 **A29.** Yes, the type of development planned by Gulfport for the Angelo Unit offers
10 significant benefits not only to the operator, but also to the landowners in the Unit
11 and the surrounding area.

12 **Q30. Are you familiar with the Unit Plan proposed by Gulfport for the Angelo
13 Unit?**

14 **A30.** Yes. The Unit Plan proposed by Gulfport is set out in two documents attached to
15 the Application. The first, the Unit Agreement, establishes the non-operating
16 relationship between the parties in the Unit. The second, the Unit Operating
17 Agreement, establishes how the Unit will be explored, developed, and produced.

18 **Q31. Let's turn first to the Unit Agreement, marked as Exhibit 1 to the Application.
19 Would you describe briefly what it does?**

20 **A31.** Yes. The Unit Agreement in effect combines the oil and gas rights in the Angelo
21 Unit so that they can be developed as if they were part of a single oil and gas lease.

22 **Q32. Are mineral rights to all geological formations combined under the Unit
23 Agreement?**

24 **A32.** No. The Unit Agreement only Unitizes the oil and gas rights located fifty feet
25 above the top of the Utica Shale to fifty feet below the top of the Trenton
26 Limestone formation, defined in the Agreement as the “Unitized Formation,” to
27 allow development of the Utica Shale formation.

28 **Q33. How will production proceeds from the Angelo Unit be allocated among
29 royalty interest owners and working interest owners in the Unit?**

30 **A33.** On a surface-acreage basis. Under Article 4 of the Unit Agreement, every tract is
31 assigned a tract participation percentage based on surface acreage and shown on

Direct Testimony of Zac McCoy, Landman

1 Exhibits A-2 thru A-6 to the Unit Operating Agreement. Article 5 of the Unit
2 Agreement allocates production based on each individual's proportionate
3 ownership of that tract participation.

4 **Q34. Why use a surface-acreage basis as the method of allocation?**

5 A34. Based on the testimony of Michael Parks attached to the Application as Exhibit 3, a
6 surface-acreage basis is an appropriate method of allocation because the formation
7 thickness and reservoir quality of the Unitized Formation is expected to be
8 consistent across the Angelo Unit.

9 **Q35. Would you go through an example from Exhibit A-2 to the Unit Operating
10 Agreement to illustrate how a surface-acreage allocation would be applied to
11 the Angelo Unit?**

12 A35. Yes. The sixth column on Exhibit A-2 to the Unit Operating Agreement, entitled
13 "Surface Acres in Unit," shows the number of surface acres in each tract of land
14 within the Angelo Unit. Column seven on Exhibit A-2 shows the related tract
15 participation of each tract, which is calculated by taking the total number of surface
16 acres in the tract and dividing it by the total number of surface acres in the Unit.
17 So, for example, if you look at Tract Number 4 on Exhibit A-2, it shows that Gary
18 R. Watt and Susanne Watt, husband and wife ("Watt") interest comprises 7.165 net
19 surface acres in the 581.837 acre Angelo Unit, which equates to a tract
20 participation of approximately 1.23144455% (7.165/581.837).

21 **Q36. What does that mean in terms of production allocated to that particular Watt
22 tract?**

23 A36. It would mean that roughly 1.23144455% of all production from the Angelo Unit
24 would be allocated to the Watt tract, and would be distributed based on the terms of
25 the lease or other pertinent documents affecting the ownership to production
26 proceeds from the tract.

27 **Q37. In your experience, is that a customary way to allocate production in a Unit?**

28 A37. In my experience, surface-acreage allocation is both fair and customary for
29 horizontal shale development.

30 **Q38. How are Unit expenses allocated?**

31 A38. Similarly to production, Unit expenses are allocated on a surface-acreage basis.

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1 Article 3 of the Unit Agreement provides that expenses, unless otherwise allocated
2 in the Unit Operating Agreement, will be allocated to each tract of land within the
3 Unit based on the proportion that the surface acres of each particular tract bears to
4 the surface acres in the entire Unit.

5 **Q39. Who pays the Unit expenses?**

6 A39. Working interest owners.

7 **Q40. Do the royalty owners pay any part of the Unit expenses?**

8 A40. No. Royalty interest owners are responsible only for their proportionate share of
9 taxes and post-production costs, which are deducted from their share of the
10 proceeds from sales of production of hydrocarbons from the Unit area.

11 **Q41. Let's turn to the Unit Operating Agreement, marked as Exhibit 2 to the
12 Application. It appears to be based upon a form document. Could you please
13 identify that form document?**

14 A41. Yes. The Unit Operating Agreement is based upon *A.A.P.L. Form 610 – Model
15 Form Operating Agreement – 1982*, which we typically use when we enter into
16 joint operating agreements with other parties.

17 **Q42. Are you familiar with the custom and usage of the Form 610 and other similar
18 agreements in the industry?**

19 A42. Yes. The Form 610, together with its exhibits, is commonly used in the industry
20 and is frequently modified to address the development objectives of the parties. As
21 a landman, I have been involved in negotiating and modifying versions of A.A.P.L.
22 operating agreements.

23 **Q43. Turning to the Unit Operating Agreement in particular, does it address how
24 Unit expenses are determined and paid?**

25 A43. Yes. Article III of the Unit Operating Agreement provides that all costs and
26 liabilities incurred in operations shall be borne and paid by the working interest
27 owners, in accordance with their Unit Participation percentages. Those percentages
28 can be found in Exhibits A-2 thru A-6 to the Unit Operating Agreement. Also, the
29 Unit Operating Agreement has attached to it an accounting procedure identified as
30 Exhibit C.

31 **Q44. What is the purpose of the document marked as Exhibit C in connection with**

the Angelo Unit Operating Agreement?

2 A44. The document presents information concerning how Unit expenses are determined
3 and paid.

4 Q45. At the top of each page of Exhibit C, there appears a label that reads:

5 **“COPAS 2005 Accounting Procedure, Recommended by COPAS, Inc.” Are**
6 **you familiar with this society?**

7 A45. Yes, COPAS stands for the Council of Petroleum Accountants Societies.

8 Q46. Is this COPAS document used in oil and gas operations across the country?

9 A46. Yes. It is commonly used in the industry.

10 Q47. In your opinion, is this COPAS document generally accepted in the industry?

11 A47. Yes. This was drafted by an organization whose membership encompasses various
12 companies and sectors across the industry, and, as a result, is designed to be fair.

15 A48. No, Gulfport does not anticipate in-kind contributions for the Unit Operations.

16 **Q49. Are there times when a working interest owner in the Unit chooses not to – or**
17 **cannot – pay their allocated share of the Unit expenses?**

18 A49. Yes. Joint Operating Agreements account for such occurrences, which are not
19 uncommon. The agreements allow working interest owners the flexibility to
20 decline to participate in an operation that they may not believe will be a profitable
21 venture or that they cannot afford. The remaining parties can then proceed at their
22 own risk and expense.

23 **Q50. Generally, how is the working interest accounted for when an owner chooses**
24 **not to participate in an operation?**

25 A50. A working interest owner who cannot or chooses not to participate in an operation
26 is considered a non-consenting party. If the remaining working interest owners
27 decide to proceed with the operation, the consenting parties bear the full cost and
28 expense of the operation. A non-consenting party is deemed to have relinquished
29 its interest in that operation until the well revenues pay out the costs that would
30 have been attributed to that party, plus a prescribed risk penalty or non-consent
31 penalty.

1 **Q51. What is a risk penalty or non-consent penalty, and why are they included in**
2 **the agreement?**

3 **A51.** A risk penalty or non-consent penalty is a means to compensate consenting parties
4 for the financial risks of proceeding with a well that may be a non-producer when
5 one or more working interest owners do not consent to pay their share of the costs
6 of drilling said well. A non-consent penalty can also serve as a means to allow a
7 working interest owner to finance participation in a well when unable to advance
8 its share of drilling costs.

9 **Q52. Can a working interest owner choose to go non-consent in the initial well in**
10 **the Angelo Unit?**

11 **A52.** Yes. If a working interest owner chooses not to participate in the Unit's initial
12 well, Article VI.A of the Unit Operating Agreement provides that the working
13 interest owner shall be deemed to have relinquished to the other parties its working
14 interest in the Unit with a back-in provision with a risk factor of 300%.

15 **Q53. Does the Unit Operating Agreement treat the initial well and subsequent**
16 **operations differently in terms of going non-consent, and if so, why?**

17 **A53.** Yes. Subsequent operations have a smaller risk factor of 200%. A lack of
18 information as to whether the well will be economic makes participation in the
19 initial well a riskier endeavor than subsequent operations, when information gained
20 from the initial well reduces the risk factor going forward. Therefore, it is common
21 for joint operating agreements to distinguish risk factors between initial and
22 subsequent operations.

23 **Q54. But if the working interest owner still has a royalty interest in the Unit, that**
24 **royalty interest would remain in place and be paid?**

25 **A54.** Yes. The royalty interest would still be paid even if the working interest is being
26 used to pay off a risk factor.

27 **Q55. What is the risk factor for subsequent operations set out in the Unit Operating**
28 **Agreement?**

29 **A55.** 200%, as set out in Article VI.B of the Unit Operating Agreement.

30 **Q56. Are the percentages included in the Unit Operating Agreement unusual?**

31 **A56.** No, not for joint operating agreements used in horizontal drilling programs.

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1 Because of the significant costs associated with drilling horizontally to the Utica
2 Shale (often in excess of \$10,000,000 to plan, drill, and complete) and because the
3 Utica Shale is an unconventional play (where uneven geological performance is
4 possible), it is common for companies to incorporate into their joint operating
5 agreements a risk factor proportionate to the substantial financial commitment.

6 **Q57. Have you seen risk factor levels of 200% to 300% in other parts of the country
7 that you've worked in and are familiar with?**

8 A57. Yes. Those numbers are not unusual, and in fact higher numbers are sometimes
9 seen in the early stages of a play's development due to the relative lack of
10 information and the corresponding risk.

11 **Q58. How are decisions made regarding Unit operations?**

12 A58. Article V of the Unit Operating Agreement designates Gulfport as the Unit
13 Operator, with full operational authority for the supervision and conduct of
14 operations of the Unit. Additionally, except where otherwise provided, Article XV
15 of the Unit Operating agreement sets forth a voting procedure for any decision,
16 determination or action to be taken by the Unit participants. Under the voting
17 procedure, each Unit participant has a vote that corresponds in value to that
18 participant's allocated responsibility for the payment of Unit expenses.

19 **Q59. I believe you've already described generally the documents in Exhibits A and
20 C to the Unit Operating Agreement. Let's turn therefore to Exhibit B of the
21 Unit Operating Agreement. What is it?**

22 A59. Exhibit B is Gulfport's standard oil and gas lease form, which we attached to the
23 joint operating agreement to govern any unleased interests owned by the parties.
24 Article III.A of the Unit Operating Agreement provides that if any party owns or
25 acquires an oil and gas interest in the Contract Area, then that interest shall be
26 treated for all purposes of the Unit Operating Agreement as if it were covered by
27 the form of lease attached as Exhibit B.

28 **Q60. Does this oil and gas lease contain standard provisions that Gulfport uses in
29 connection with its drilling operations in Ohio and elsewhere?**

30 A60. Yes.

31 **Q61. Moving on to Exhibit D of the Unit Operating Agreement, would you describe**

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1 **what it is?**

2 A61. Exhibit D is the insurance exhibit to the joint operating agreement. It outlines
3 coverage amounts and limitations, and the insurance terms for operations
4 conducted under the Unit Operating Agreement.

5 **Q62. Are the terms of insurance contained in Exhibit D substantially similar to**
6 **those employed in connection with Gulfport's other Unitized projects in the**
7 **State of Ohio?**

8 A62. Yes.

9 **Q63. Based upon your education and professional experience, do you view the**
10 **terms of Exhibit D as reasonable?**

11 A63. Yes.

12 **Q64. Would you next describe Exhibit E of the Unit Operating Agreement?**

13 A64. Exhibit E is the Gas Balancing Agreement, which sets out the rights and
14 obligations of the parties with respect to marketing and selling any production from
15 the Contract Area.

16 **Q65. Would you give me an example of how Exhibit E might come into play?**

17 A65. Yes. Assuming that Company A is the operator of a well, and Company B is the
18 non-operator, the fact that Company A will drill, complete, and secure pipeline to
19 the well, does not preclude Company B from negotiating its own marketing
20 agreements. In the event that Company B wishes to do so, the Gas Balancing
21 Agreement would provide protection for both companies on volumes,
22 underproduction, failure to take production, maintaining the leases, etc.

23 **Q66. Are the terms contained in Exhibit E substantially similar to those employed**
24 **in connection with Gulfport's other Unitized projects in the State of Ohio?**

25 A66. Yes.

26 **Q67. Has Gulfport documented which of the working interest owners included**
27 **within the Angelo Unit have given their consent to the proposed Unitization?**

28 A67. Yes. Exhibit 6.1 to the application documents the approvals for the Unit Plan
29 received from working interest owners included with the Angelo Unit up to the
30 time the Application was filed.

31 **Q68. Does the Application contain a list of those mineral owners who have not**

Direct Testimony of Zac McCoy, Landman

1 **previously agreed to enter into any oil and gas lease with respect to the tracts**
2 **they own within the Angelo Unit?**

3 A68. Yes, Exhibit A-3 to the Unit Operating Agreement lists the “Unitized parties,”
4 being the fee mineral owners who remain unleased.

5 **Q69. In your professional opinion, given your education and experience, are Unit**
6 **operations for the proposed Angelo Unit reasonably necessary to increase**
7 **substantially the ultimate recovery of oil and gas?**

8 A69. Yes. Unit operations for the Angelo Unit will minimize waste and allow for the
9 most efficient recovery of oil and gas. By drilling horizontally, Gulfport can
10 develop a larger area with a much smaller surface disturbance than through the
11 drilling of vertical wells. Without Unit operations, we would not be able to
12 develop the Unit area, so it’s fair to say that Unit operations are necessary to
13 increase substantially the recovery of oil and gas. I believe that the Angelo Unit
14 represents a reasonable and efficient means to develop the Utica Shale.

15 **Q70. Does this conclude your testimony?**

16 A70. Yes.

STATE OF OHIO
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL AND GAS RESOURCES MANAGEMENT

In re the Matter of the Application of
Gulfport Appalachia, LLC, for Unit
Operation

Application Date: July 13, 2020

Angelo Unit

AFFIDAVIT OF EFFORTS TO LEASE MINERAL OWNERS

The undersigned, being first duly sworn according to the law, makes this Affidavit and deposes and says that:

1. Affiant, Zac McCoy, employed by Gulfport Appalachia, LLC ("Gulfport") as a Division Landman. Affiant's job responsibilities include the acquisition of leases in certain areas of Ohio, including Jefferson County, Ohio. Affiant has personal knowledge of the matters set forth in this affidavit, and the following information is true to the best of Affiant's knowledge and belief.
2. Gulfport, either directly or through its land brokers (collectively, the "Applicant") has made diligent efforts to locate, acquire or negotiate mutually acceptable terms that would permit the Applicant to voluntarily include unleased Tracts 5, 13, 27, 28A, 35B, 38, 43B, 44, 50, 54, 55, 58, 60, 61, and 62 (the "Unleased Parcels") in the Angelo Unit including written communication via certified mailings of offer letters, phone calls, in-person visits, and research conducted as provided herein. Those efforts are documented in the attached exhibit.
3. The Affiant states that the Applicant will continue to make every effort to obtain an Oil and Gas Lease with the mineral owners of the Unleased Parcels as found within this unit.

Further Affiant sayeth naught.

Dated this 8th day of July, 2020.



Zac McCoy, Affiant
Division Landman
Gulfport Appalachia, LLC

ACKNOWLEDGEMENT

STATE OF OKLAHOMA)
)
COUNTY OF OKLAHOMA) SS
)

The foregoing instrument was sworn to before me, a Notary Public in and for the State of Oklahoma, and subscribed in my presence this 8th day of July, 2020, by Zac McCoy, known to me or satisfactorily proven to be the Affiant in the foregoing instrument, who acknowledged the above statements to be true as Affiant verily believes.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.

My Commission Expires:

08/14/21

(S E A L)



Kristin Gilliam

Notary Public

Kristin Gilliam

Printed Name of Notary

Exhibit ZM-1.1
to the Angelo Unitization Application dtd. 7/13/2020

Heirship ID	Tract	Owner	Parcel	Address				
JD	5 13 35B 38	Howard P. Dallas, his unknown successors, heirs and assigns ("Mineral Owner"), Heir of Howard A. Dallas, Heir of Cyrus M. Dallas, Heir of Jasper J. Dallas and Mary M. Dallas	41-00086-000 41-00379-000 41-02289-000 41-02306-002	Undetermined	Undetermined	Undetermined	Undetermined	
	Date:	Comments:						
	1/15/2017 - 10/10/2018	Research: Applicant reviewed documents of record in Jefferson County, Ohio (including Probate records) along with online resources, including US Census records, Social Security Death Index, Ancestry, Familysearch, and Findagrave. Jasper J. Dallas and Mary M. Dallas were the original severance holders. Jasper J. Dallas died on 1/30/1932 in Jefferson County, Ohio. Probate Case #20106 (and Certificate of Transfer in DV 159/67) shows that he left his estate to his widow, Mary M. Dallas. Mary M. Dallas died in Idaho, with no documentation regarding the property recorded in Jefferson County, Ohio. Jasper and Mary Dallas had 8 children; Cyrus M. Dallas, John T. Dallas, Mabel (Dallas) Gates, Errett W. Dallas, Alma (Dallas) Johnson, Robert E. Dallas, Edgar Hayden Dallas, and Nelle E. (Dallas) Miller.						
	1/15/2017 - 10/10/2018	Research: Cyrus M. Dallas died in Jefferson County, Ohio (no Will or Probate of record). His interest passed via Intestate Succession to his surviving spouse, Matilda Becker Dallas. Matilda died in Jefferson County, Ohio in 1954 (no Probate or Will of record). Her heirs were Howard A. Dallas, Mildred A. Dallas Moon, Donald B. Dallas, Ethel J. Dallas Abrams, Norman Wray Dallas, Margaret B. Dallas Buckley, and Marian L. Dallas Boston. Howard A. Dallas died in Scottsdale, AZ on 5/15/1974. His interest was passed via Intestate Succession to his surviving spouse, Luella Pierson Dallas. Luella died in Scottsdale, AZ in 1986. Her sole heir is Howard P. Dallas.						
	1/11/2018	Research: Online research confirmed that Mineral Owner is deceased, the obituary included does not mention any surviving direct descendants and alludes to a will or probate which Applicant was unable to obtain. Several of the heirs in this severance were encouraged to contact the Maricopa County Courts to obtain any probate information or a Death Certificate.						
	2/25/2019	Research: Several of the heirs in this severance were encouraged to contact the Maricopa County Courts to obtain any probate information or a Death Certificate in order to distribute the interest properly.						
	2/26/2019 - 7/2/2020	Research: Applicant continues searching the heirs, successors, and assigns of Jasper J. Dallas and Mary M. Dallas by performing title work, searching court records, reviewing marriage and birth records, death records, searching county auditor tax records, searching records maintained by the United States Postal Service, utilizing electronic resources, etc. Affiant further attests that where it was not reasonably possible or practicable to identify all of mineral interest owners' identities or addresses, Applicant will provide notice by publication of a hearing scheduled pursuant to R.C. 1509.28.						
Heirship ID	Tract	Owner	Parcel	Address				
JD	5 13 35B 38	Helen Moon Kraus ("Mineral Owner"), Heir of Mildred A. Dallas Moon, Heir of Cyrus M. Dallas, Heir of Jasper J. Dallas and Mary M. Dallas	41-00086-000 41-00379-000 41-02289-000 41-02306-002	29 Crockett Ridge Rd.	Black Mountain	NC	28711	
	Date:	Comments:						
	1/15/2017 - 1/30/2018	Research: Applicant reviewed documents of record in Jefferson County, Ohio (including Probate records) along with online resources, including US Census records, Social Security Death Index, Ancestry, Familysearch, and Findagrave. Jasper J. Dallas and Mary M. Dallas were the original severance holders. Jasper J. Dallas died on 1/30/1932 in Jefferson County, Ohio. Probate Case #20106 (and Certificate of Transfer in DV 159/67) shows that he left his estate to his widow, Mary M. Dallas. Mary M. Dallas died in Idaho, with no documentation regarding the property recorded in Jefferson County, Ohio. Jasper and Mary Dallas had 8 children; Cyrus M. Dallas, John T. Dallas, Mabel (Dallas) Gates, Errett W. Dallas, Alma (Dallas) Johnson, Robert E. Dallas, Edgar Hayden Dallas, and Nelle E. (Dallas) Miller.						

1/15/2017 - 1/30/2018	Research: Cyrus M. Dallas died in Jefferson County, Ohio (no Will or Probate of record). His interest passed via Intestate Succession to his surviving spouse, Matilda Becker Dallas. Matilda died in Jefferson County, Ohio in 1954 (no Probate or Will of record). Her heirs were Howard A. Dallas, Mildred A. Dallas Moon, Donald B. Dallas, Ethel J. Dallas Abrams, Norman Wray Dallas, Margaret B. Dallas Buckley, and Marian L. Dallas Boston. Mildred A. Dallas Moon died in Michigan (Date of Death is unknown). Her spouse, George Moon is also deceased (Date of Death is unknown). Mildred's two heirs are Mary D. Babcock and Helen Moon Kraus.
1/31/2018	Phone Call; Applicant placed a call and spoke to the Mineral Owner at (828) 669-xxxx, the Mineral Owner would like to discuss this with her sister.
2/12-2/16/2018	Email: Applicant was involved in an email exchange with the Mineral Owner at hkraus2nc@xxxx, and another heir, Mindy Dallas, in regard to the lease negotiations.
3/6/2018	Phone Call: Applicant placed a call to (828) 669-xxxx, the Mineral Owner has decided to pass on the offer as she feels this is just too much effort to decide what to do. The Mineral Owner's comment was noted as "My life was just fine before this came along, I'm retired and I don't feel like it's worth my time to look into this."
6/20/2018	Email: Applicant sent an email to hkraus2nc@xxxx as a follow up with the Mineral Owner, the email was not responded to.
2/25/2019	Mail: Applicant has prepared a certified proposal letters for the subject severance, which was shipped via USPS Tracking # 7018 1130 0000 8277 4146, which was delivered March 5th, 2019.
8/14/2019	Email and Phone Call: Applicant sent an email to hkraus2nc@xxxx as a follow up with the Mineral Owner. There was no response to the email. Applicant also placed a call to (828) 669-xxxx, and was unable to leave a message.
10/24/2019	Email: Applicant sent an email to hkraus2nc@xxxx as a follow up with the Mineral Owner.
6/25/2020	Mail: Applicant shipped a certified proposal via USPS tracking No. 70191640000030765692.
6/26/2020	Email: Applicant sent an email to hkraus2nc@xxxx as a follow up with the Mineral Owner.
6/30/2020	Research: Applicant used the USPS tracking system to determine that the letter was delivered June 29th, 2020.
7/6/2020	Email: Applicant sent an email to hkraus2nc@xxxx as a follow up with the Mineral Owner.

Heirship ID	Tract	Owner	Parcel	Address			
JD	5 13 35B 38	Donald M. Dallas ("Mineral Owner") , Heir of Donald B. Dallas, Heir of Cyrus M. Dallas, Heir of Jasper J. Dallas and Mary M. Dallas	41-00086-000 41-00379-000 41-02289-000 41-02306-002	2125 Conestoga Rd.	Reno	NV	89521

Date:	Comments:
1/15/2017	Research: Applicant reviewed documents of record in Jefferson County, Ohio (including Probate records) along with online resources, including US Census records, Social Security Death Index, Ancestry, Familysearch, and Findagrave. Jasper J. Dallas and Mary M. Dallas were the original severance holders. Jasper J. Dallas died on 1/30/1932 in Jefferson County, Ohio. Probate Case #20106 (and Certificate of Transfer in DV 159/67) shows that he left his estate to his widow, Mary M. Dallas. Mary M. Dallas died in Idaho, with no documentation regarding the property recorded in Jefferson County, Ohio. Jasper and Mary Dallas had 8 children; Cyrus M. Dallas, John T. Dallas, Mabel (Dallas) Gates, Errett W. Dallas, Alma (Dallas) Johnson, Robert E. Dallas, Edgar Hayden Dallas, and Nelle E. (Dallas) Miller.
1/15/2017	Research: Cyrus M. Dallas died in Jefferson County, Ohio (no Will or Probate of record). His interest passed via Intestate Succession to his surviving spouse, Matilda Becker Dallas. Matilda died in Jefferson County, Ohio in 1954 (no Probate or Will of record). Her heirs were Howard A. Dallas, Mildred A. Dallas Moon, Donald B. Dallas, Ethel J. Dallas Abrams, Norman Wray Dallas, Margaret B. Dallas Buckley, and Marian L. Dallas Boston. Donald B. Dallas died in Carson City, Nevada in 2007. His heirs are Donald M. Dallas, Melinda D. Legge n/k/a Mindy A. Dallas, and Pamela Dallas.
1/15/2018	Phone Call: Applicant placed a call to (775) 847-xxxx and spoke to the Mineral Owner's sister who put him in touch with Applicant. Mineral Owner has agreed to lease.
1/22/2018	Mail: Lease was shipped for signature via FedEx tracking # 771334724314, which was received January 29th, 2018.
3/6/2018	Phone Call: Applicant placed a follow-up call and the Mineral Owner stated that he hasn't given the lease much thought. We discussed the efforts again he is going to discuss the issue with another Mineral Owner further.
4/27/2018	Phone Call: Applicant placed a follow-up to (775) 847-xxxx, the Mineral Owner, claims that he will be sending his lease back shortly.

6/20/2018	Research and Email: Applicant verified through FedEx tracking, that the return tracking had not been activated, a detailed email was sent to ddallas@xxxx, as a follow-up. Email was not responded to.							
10/15/2018	Phone Call: Applicant placed a follow-up call to (775) 847-xxxx, and spoke to the Mineral Owner's wife, who sounded quite exasperated and stated that she was tired of dealing with the hassle, but would tell the Mineral Owner that he needed to return the call.							
2/25/2019	Mail: Applicant has shipped a certified proposal letter for the protection lease needed for the subject severance, via USPS Tracking # 7018 1130 0000 8277 4139, which was delivered March 4th, 2019.							
3/18/2019	Mail: Applicant received the proposal letter back from the Mineral Owner, wherein it was written that the Mineral Owner would prefer to sell the interest.							
3/20/2019	Email: The Applicant was advised that a purchase of the interest was not feasible.							
8/14/2019	Phone Call: Applicant placed a follow-up to (775) 847--xxxx, the Mineral Owner, and was unable to leave a message.							
10/24/2019	Phone Call: Applicant placed a follow-up to (775) 847-xxxx, the Mineral Owner, and was unable to leave a message.							
6/25/2020	Mail: Applicant shipped a certified proposal via USPS tracking No. 70191640000030765753.							
6/26/2020	Email: Applicant reached out to the Mineral Owner via email (ddallas@xxxx) requesting that verbal contact be made in regard to discussing a potential lease for the interest.							
7/6/2020	Phone Call: Applicant placed a follow-up to (406) 328-xxxx, Applicant spoke to the wife of the Mineral Owner who advised they were not willing to discuss anything.							
Heirship ID	Tract	Owner	Parcel	Address				
JD	5 13 35B 38	Melinda D. Legge n/k/a Mindy A. Dallas ("Mineral Owner"), Heir of Donald B. Dallas, Heir of Cyrus M. Dallas, Heir of Jasper J. Dallas and Mary M. Dallas	41-00086-000 41-00379-000 41-02289-000 41-02306-002	1080 Combination Rd.	Reno	NV	89521	
	Date:	Comments:						
	1/15/2017	Research: Applicant reviewed documents of record in Jefferson County, Ohio (including Probate records) along with online resources, including US Census records, Social Security Death Index, Ancestry, Familysearch, and Findagrave. Jasper J. Dallas and Mary M. Dallas were the original severance holders. Jasper J. Dallas died on 1/30/1932 in Jefferson County, Ohio. Probate Case #20106 (and Certificate of Transfer in DV 159/67) shows that he left his estate to his widow, Mary M. Dallas. Mary M. Dallas died in Idaho, with no documentation regarding the property recorded in Jefferson County, Ohio. Jasper and Mary Dallas had 8 children; Cyrus M. Dallas, John T. Dallas, Mabel (Dallas) Gates, Errett W. Dallas, Alma (Dallas) Johnson, Robert E. Dallas, Edgar Hayden Dallas, and Nelle E. (Dallas) Miller.						
	1/15/2017	Research: Cyrus M. Dallas died in Jefferson County, Ohio (no Will or Probate of record). His interest passed via Intestate Succession to his surviving spouse, Matilda Becker Dallas. Matilda died in Jefferson County, Ohio in 1954 (no Probate or Will of record). Her heirs were Howard A. Dallas, Mildred A. Dallas Moon, Donald B. Dallas, Ethel J. Dallas Abrams, Norman Wray Dallas, Margaret B. Dallas Buckley, and Marian L. Dallas Boston. Donald B. Dallas died in Carson City, Nevada in 2007. His heirs are Donald M. Dallas, Melinda D. Legge n/k/a Mindy A. Dallas, and Pamela Dallas.						
	1/15/2018	Phone Call: Applicant placed a call to (775) 219-xxxx, and spoke to the Mineral Owner who has requested the documents be sent via email to mindy.dallas1@xxxx.						
	1/22/2018	Phone Call: Applicant placed a call to (775) 219-xxxx, and spoke to the Mineral Owner, who verbally agreed to lease.						
	1/29/2018	Mail: Lease packet was shipped via FedEx tracking # 771345672799, which was delivered January 30th, 2018.						
	2/12/2018 - 2/16/2018	Email: Applicant was involved in the email exchange with multiple heirs at the instigation of another Mineral Owner (mindy.dallas1@xxxx) in regard to the many aspects of the lease negotiations.						
	3/5/2018	Email: Applicant had an email exchange with the Mineral Owner (mindy.dallas1@xxxx), who is unsatisfied with a lease and has asked that a Mineral Quit Claim Deed be prepared. The document was shipped today for signature via FedEx Tracking # (Out) 771719616932, which was delivered March 8th, 2018.						
	3/11/2018	Email: Applicant exchanged several emails with the Mineral Owner (mindy.dallas1@xxxx) who is still not satisfied with the language of the Mineral Quit Claim. Mineral Owner is requesting a revised Order of Payment to which was emailed to Mineral Owner for review.						
	3/15/2018	Phone Call: Applicant spoke to the Mineral Owner via phone (775) 219-xxxx, who is requesting the Order of Payment be filed. Applicant has declined to allow for that. Several other alternative options were proposed.						

3/22/2018	Phone call: Applicant called the Mineral Owner ((775) 219-xxxx) to discuss the options for filing the Mineral Quit Claim to which she refuses to sign without the Order of Payment being recorded.							
4/11/2018	Email: Applicant sent an email to the Mineral Owner (mindy.dallas1@xxxx) allowing for various style options, and Mineral Owner refuses to accept any option that she is presented with aside from her demand to have the Order of Payment recorded. Her final response is below: "I'm willing to give a waiver of liability for misuse, fraudulent or otherwise, of my personal data on the Exhibit B. I'm not, however, willing to sign away my ownership interest for a dollar, based on assurances that your client is an upright, church-going (insert your own adjectives) entity who would NEVER, EVER think of taking advantage of the naivete of a senior citizen. If your client intends to honor the commitment, let them evidence the debt publicly."							
6/20/2018	Email: Applicant sent a follow up email to mindy.dallas1@xxxx. No response was received.							
10/15/2018	Email: Applicant sent a follow up email to mindy.dallas1@xxxx. No response was received.							
2/25/2019	Certified Mailing: Applicant is preparing certified proposal letters for the protection lease(s) needed for the subject severance, via USPS Tracking # 7018 1130 0000 8277 4122, which was delivered March 4th, 2019.							
8/14/2019	Email: Applicant sent a follow up email to mindy.dallas1@xxxx.							
10/24/2019	Email: Applicant sent a follow up email to mindy.dallas1@xxxx.							
10/25/2019	Email: Applicant received a response via email from the Mineral Owner (midy.dallas1@xxxx) which stated "I admire your persistence, but frankly, the amount I would get for my tiny share of Jasper's mineral rights just isn't worth the risks involved (of which my cousins have had some personal experience). So, no go."							
6/25/2020	Mail: Applicant shipped a certified proposal via USPS tracking No. 70191640000030765777.							
6/26/2020	Email: Applicant reached out to the Mineral Owner via email (mindy.dallas1@xxxx) requesting that verbal contact be made in regard to discussing a potential lease for the interest.							
6/30/2020	Research: Applicant used the USPS tracking system to determine that the letter was delivered June 29th, 2020.							
7/6/2020	Email: Applicant reached out to the Mineral Owner via email (mindy.dallas1@xxxx) requesting that verbal contact be made in regard to discussing a potential lease for the interest.							
Heirship ID	Tract	Owner	Parcel	Address				
JD	5 13 35B 38	Pamela Dallas ("Mineral Owner"), Heir of Donald B. Dallas, Heir of Cyrus M. Dallas, Heir of Jasper J. Dallas and Mary M. Dallas	41-00086-000 41-00379-000 41-02289-000 41-02306-002	1540 Carlin St.	Reno	NV	89503	
	Date:	Comments:						
	1/15/2017	Research: Applicant reviewed documents of record in Jefferson County, Ohio (including Probate records) along with online resources, including US Census records, Social Security Death Index, Ancestry, Familysearch, and Findagrave. Jasper J. Dallas and Mary M. Dallas were the original severance holders. Jasper J. Dallas died on 1/30/1932 in Jefferson County, Ohio. Probate Case #20106 (and Certificate of Transfer in DV 159/67) shows that he left his estate to his widow, Mary M. Dallas. Mary M. Dallas died in Idaho, with no documentation regarding the property recorded in Jefferson County, Ohio. Jasper and Mary Dallas had 8 children; Cyrus M. Dallas, John T. Dallas, Mabel (Dallas) Gates, Errett W. Dallas, Alma (Dallas) Johnson, Robert E. Dallas, Edgar Hayden Dallas, and Nelle E. (Dallas) Miller.						
	1/15/2017	Research: Cyrus M. Dallas died in Jefferson County, Ohio (no Will or Probate of record). His interest passed via Intestate Succession to his surviving spouse, Matilda Becker Dallas. Matilda died in Jefferson County, Ohio in 1954 (no Probate or Will of record). Her heirs were Howard A. Dallas, Mildred A. Dallas Moon, Donald B. Dallas, Ethel J. Dallas Abrams, Norman Wray Dallas, Margaret B. Dallas Buckley, and Marian L. Dallas Boston. Donald B. Dallas died in Carson City, Nevada in 2007. His heirs are Donald M. Dallas, Melinda D. Legge n/k/a Mindy A. Dallas, and Pamela Dallas.						
	1/15/2018	Phone Call: Applicant spoke to sibling of the Mineral Owner (Melinda Dallas (775) 219-xxxx), and was informed that the Mineral Owner is deaf and has no phone. Applicant was ordered to have lease prepared and sent directly to the Mineral Owner.						
	1/29/2018	Mail: Lease packet was shipped via FedEx tracking # 771346037547, which was delivered January 30th, 2019.						
	2/12-2/16/2018	Email: Applicant was included in an email exchange with multiple heirs at the instigation of another Mineral Owner (mindy.dallas1@xxxx) in regard to the many aspects of the lease negotiations.						

3/6/2018	Email: Applicant emailed the Mineral Owner directly at pamela.dallas@xxxx, as a follow-up in regard to the lease she is in receipt of. No response to email was received.
4/27/2018	Email: Applicant emailed the Mineral Owner directly at pamela.dallas@xxxx, as a follow-up in regard to the lease she is in receipt of. No response to email was received.
6/20/2018	Email: Applicant emailed the Mineral Owner directly at pamela.dallas@xxxx, as a follow-up in regard to the lease she is in receipt of. No response to email was received.
10/15/2018	Email: Applicant emailed the Mineral Owner directly at pamela.dallas@xxxx, as a follow-up in regard to the lease she is in receipt of. No response to email was received.
2/25/2019	Mail: Applicant has prepared and shipped a certified proposal letter for the protection lease needed for the subject severance, via USPS Tracking # 7018 1130 0000 8277 4115, which was delivered March 7th, 2019.
8/14/2019	Email: Applicant sent an email to pamela.dallas@xxxx, as a follow-up in regard to the lease she is in receipt of.
10/24/2019	Email: Applicant sent an email to pamela.dallas@xxxx.
6/25/2020	Mail: Applicant shipped a certified proposal via USPS tracking No. 7019164000030765784.
6/26/2020	Email: Applicant reached out to the Mineral Owner via email (pamela.dallas@xxxx) requesting that email contact be made in regard to discussing a potential lease for the interest.
6/30/2020	Research: Applicant used the USPS tracking system to determine that the letter was delivered June 29th, 2020.
7/6/2020	Email: Applicant reached out to the Mineral Owner via email (pamela.dallas@xxxx) requesting that email contact be made in regard to discussing a potential lease for the interest.

Heirship ID	Tract	Owner	Parcel	Address			
JD	5 13 35B 38	Ethel J. Dallas Abrams, her unknown successors, heirs and assigns ("Mineral Owner") Heir of Cyrus M. Dallas, Heir of Jasper J. Dallas and Mary M. Dallas	41-00086-000 41-00379-000 41-02289-000 41-02306-002	Undetermined	Undetermined	Undetermined	Undetermined
Date:		Comments:					
1/15/2017 - 10/10/2018		Research: Applicant reviewed documents of record in Jefferson County, Ohio (including Probate records) along with online resources, including US Census records, Social Security Death Index, Ancestry, Familysearch, and Findagrave. Jasper J. Dallas and Mary M. Dallas were the original severance holders. Jasper J. Dallas died on 1/30/1932 in Jefferson County, Ohio. Probate Case #20106 (and Certificate of Transfer in DV 159/67) shows that he left his estate to his widow, Mary M. Dallas. Mary M. Dallas died in Idaho, with no documentation regarding the property recorded in Jefferson County, Ohio. Jasper and Mary Dallas had 8 children; Cyrus M. Dallas, John T. Dallas, Mabel (Dallas) Gates, Errett W. Dallas, Alma (Dallas) Johnson, Robert E. Dallas, Edgar Hayden Dallas, and Nelle E. (Dallas) Miller.					
1/15/2017 - 10/10/2018		Research: Cyrus M. Dallas died in Jefferson County, Ohio (no Will or Probate of record). His interest passed via Intestate Succession to his surviving spouse, Matilda Becker Dallas. Matilda died in Jefferson County, Ohio in 1954 (no Probate or Will of record). Her heirs were Howard A. Dallas, Mildred A. Dallas Moon, Donald B. Dallas, Ethel J. Dallas Abrams, Norman Wray Dallas, Margaret B. Dallas Buckley, and Marian L. Dallas Boston.					
10/12/2018 - 7/2/2020		Research: Applicant continues searching the heirs, successors, and assigns of Jasper J. Dallas and Mary M. Dallas by performing title work, searching court records, reviewing marriage and birth records, death records, searching county auditor tax records, searching records maintained by the United States Postal Service, utilizing electronic resources, etc. Affiant further attests that where it was not reasonably possible or practicable to identify all of mineral interest owners' identities or addresses, Applicant will provide notice by publication of a hearing scheduled pursuant to R.C. 1509.28.					
Heirship ID	Tract	Owner	Parcel	Address			
JD	5 13 35B 38	Mark E. Dallas ("Mineral Owner") Heir of Elma K. Dallas, Heir of Norman Wray Dallas, Heir of Cyrus M. Dallas, Heir of Jasper J. Dallas and Mary M. Dallas	41-00086-000 41-00379-000 41-02289-000 41-02306-002	11527 Pipesville Rd.	Howard	OH	43028
Date:		Comments:					

1/15/2017 - 11/1/2017	Research: Applicant reviewed documents of record in Jefferson County, Ohio (including Probate records) along with online resources, including US Census records, Social Security Death Index, Ancestry, Familysearch, and Findagrave. Jasper J. Dallas and Mary M. Dallas were the original severance holders. Jasper J. Dallas died on 1/30/1932 in Jefferson County, Ohio. Probate Case #20106 (and Certificate of Transfer in DV 159/67) shows that he left his estate to his widow, Mary M. Dallas. Mary M. Dallas died in Idaho, with no documentation regarding the property recorded in Jefferson County, Ohio. Jasper and Mary Dallas had 8 children; Cyrus M. Dallas, John T. Dallas, Mabel (Dallas) Gates, Errett W. Dallas, Alma (Dallas) Johnson, Robert E. Dallas, Edgar Hayden Dallas, and Nelle E. (Dallas) Miller.
1/15/2017 - 11/1/2017	Research: Cyrus M. Dallas died in Jefferson County, Ohio (no Will or Probate of record). His interest passed via Intestate Succession to his surviving spouse, Matilda Becker Dallas. Matilda died in Jefferson County, Ohio in 1954 (no Probate or Will of record). Her heirs were Howard A. Dallas, Mildred A. Dallas Moon, Donald B. Dallas, Ethel J. Dallas Abrams, Norman Wray Dallas, Margaret B. Dallas Buckley, and Marian L. Dallas Boston. Norman Wray Dallas died in Jefferson County, OH on 1/20/1984 (No Probate or Will of record). Norman's interest passed to his surviving spouse, Elma K. Dallas. Elma died Intestate on 2/27/2003. Her heirs are Norman W. Dallas, Jr., Janet E. Yocom, and Mark E. Dallas.
11/2/2017	Research: Applicant spoke to several heirs would be able to contact the Mineral Owner concerning this and get him to return a call.
11/9/2017	Phone Call: Applicant spoke to the Mineral Owner at (614) 207-xxxx, who stated he was interested, however, wanted to do a little research on before deciding.
11/22/2017	Phone Call: Applicant placed a call to (614) 207-xxxx, and left a message.
12/5/2017	Phone Call: Applicant spoke to the Mineral Owner via phone (614) 207-xxxx, and he stated he has been busy, hasn't thought about leasing a lot but is still interested.
1/11/2018	Phone Call: Applicant placed a call to (614) 207-xxxx, and left a message.
1/11/2018	Phone Call: Applicant spoke to the Mineral Owner via phone (614) 207-xxxx, who stated he wanted to wait on the rest of the family before deciding.
1/25/2018	Phone Call: Applicant spoke to the Mineral Owner via phone (614) 207-xxxx, and the Mineral Owner requested a lease for review.
1/29/2018	Mail: Lease packet was shipped via FedEx Tracking # 771344835852, which was delivered January 30th, 2018.
2/5/2018	Phone Call: Applicant placed a call to (614) 207-xxxx, and left a message.
2/6/2018	Phone Call: Applicant placed a call to (614) 207-xxxx, and left a message.
3/6/2018	Phone Call: Applicant placed a call to (614) 207-xxxx, and left a message.
3/28/2018	Phone Call: Applicant placed a call to (614) 207-xxxx, and left a message.
4/11/2018	Phone Call: Applicant placed a call to (614) 207-xxxx, and left a message.
4/27/2018	Phone Call: Applicant placed a call to (614) 207-xxxx, spoke to the Mineral Owner in regard to his lease, he claims that he's not interested right now and hung up.
10/15/2018	Phone Call: Applicant placed a call to (614) 207-xxxx, and left a message.
2/25/2019	Mail: Applicant has prepared and shipped a certified proposal letter for the protection lease needed for the subject severance, via USPS Tracking # 7018 1130 0000 8277 4018, which was delivered March 6th, 2019.
8/14/2019	Phone Call: Applicant placed a call to (614) 207-xxxx, spoke to the Mineral Owner in regard to his lease. He claims that he's not interested in talking right now and advised that he will not accept a call until after 5:50 pm from this point forward.
10/25/2019	Phone Call: Applicant placed a call to (614) 207-xxxx, and left a message.
6/25/2020	Mail: Applicant shipped a certified proposal via USPS tracking No. 70191640000030765760.
6/26/2020	Email: Applicant was able to locate an email address for the subject Mineral Owner from previous email chains with the heirs. Applicant sent an email to med2@***** as a follow up to the certified proposal that was shipped.
6/30/2020	Research: Applicant used the USPS tracking system to determine that the letter was delivered June 27th, 2020.
7/6/2020	Phone Call: Applicant placed a call to (614) 207-xxxx, and left a message.

Heirship ID

Tract

Owner

Parcel

Address

JD	5 13 35B 38	John C. Cavallaro ("Mineral Owner"), Heir of Ireta Dallas, Heir of John T. Dallas, Heir of Jasper J. Dallas and Mary M. Dallas	41-00086-000 41-00379-000 41-02289-000 41-02306-002		4638 Live Oak Ct.	Ellicott City	MD	21043
	Date:	Comments:						
	1/15/2017 - 11/7/2017	Research: Applicant reviewed documents of record in Jefferson County, Ohio (including Probate records) along with online resources, including US Census records, Social Security Death Index, Ancestry, Familysearch, and Findagrave. Jasper J. Dallas and Mary M. Dallas were the original severance holders. Jasper J. Dallas died on 1/30/1932 in Jefferson County, Ohio. Probate Case #20106 (and Certificate of Transfer in DV 159/67) shows that he left his estate to his widow, Mary M. Dallas. Mary M. Dallas died in Idaho, with no documentation regarding the property recorded in Jefferson County, Ohio. Jasper and Mary Dallas had 8 children; Cyrus M. Dallas, John T. Dallas, Mabel (Dallas) Gates, Errett W. Dallas, Alma (Dallas) Johnson, Robert E. Dallas, Edgar Hayden Dallas, and Nelle E. (Dallas) Miller.						
	1/15/2017 - 11/7/2017	Research: John T. Dallas died in Boise, ID on 5/23/1953. His interest passed to his surviving spouse, Edna Dallas. Edna died in Boise, ID on 10/18/1984. Her heirs are Robert E. Dallas, Nettie Dallas Linton, Vernon W. Dallas, Ireta Dallas, Russell Thomas Dallas, Edgar N. Dallas, Kenneth C. Dallas, and Emma Louise Harlan. Ireta Dallas died in Madison, CT on 1/10/2016. Her heirs are John C. Cavallaro, James K. Cavallaro, Karen S. Marasco, and David D. Cavallaro.						
	11/8/2017	Research and Phone Call: Applicant located a contact phone number (410) 465-xxxx, placed a call and left a detailed message.						
	11/28/2017	Phone Call: Applicant placed a call to (410) 465-xxxx, and left a detailed message.						
	11/30/2017	Phone Call: Applicant placed a call to (410) 465-xxxx, and spoke with the Mineral Owner's wife, Dawn, and discussed the leasing process, will have Mineral Owner call for further details.						
	12/4/2017	Phone Call: Applicant placed a call to (410) 465-xxxx, and spoke with the Mineral Owner who wants to discuss this with the family before making a decision.						
	1/15/2018	Phone Call: Mineral Owner placed a call from (410) 465-xxxx, and has agreed verbally to lease.						
	1/19/2018	Mail: Lease packet was shipped via FedEx tracking # 771344160865, which was delivered January 30th, 2018.						
	1/31/2018	Phone Call: Mineral Owner called from (410) 465-xxxx to review and discuss his lease over the phone.						
	2/6/2018	Phone Call: Applicant placed a call to (410) 465-xxxx, and left a detailed message.						
	3/6/2018	Phone Call: Applicant placed a call to (410) 465-xxxx, and left a detailed message.						
	3/10-3/28/2018	Email: Applicant exchanged many emails with the Mineral Owner (bakermanjack@xxxx) in regard to his misconception of numerous clauses in the lease. Awaiting his future response to the last correspondence.						
	4/27/2018	Email: Applicant sent a follow-up email to the Mineral Owner (bakermanjack@xxxx) in regard to the last correspondence and explanation of terms. The Mineral Owner has decided to hold off on leasing.						
	2/25/2019	Mail: Applicant has prepared and shipped a certified proposal letter for the protection lease needed for the subject severance, via USPS Tracking # 7017 3040 0000 4554 4085, which was received March 11th, 2019						
	3/11/2019	Email: Applicant has exchanged an inquiry email with the Mineral Owner (bakermanjack@xxxx), to answer some questions, however the response from the Applicant was not returned.						
	8/14/2019	Email: Applicant has emailed a follow up inquiry to the Mineral Owner (bakermanjack@xxxx). However, the Applicant has received no response.						
	8/21/2019	Email: Applicant exchanged emails with the Mineral Owner (bakermanjack@xxxx) in regard to the signing of a protection lease for those parcels not affected by the Quiet Title case.						
	8/26/2019	Email: Applicant received an email from the Mineral Owner stating "We have received a query as to our willingness to sell from another Landman. If Gulfport is not offering that option we may pursue that query. What we do not want, as I have believed from the beginning, is to become involved in any litigation."						
	10/25/2019	Email: Applicant sent an email to the Mineral Owner's sibling (bakermanjack@xxxx) in regard to the signing of a protection lease again restating that the offer was for those parcels not affected by the Quiet Title case. The Mineral Owner has declined citing any possible future litigation as a reason.						
	6/25/2020	Mail: Applicant shipped a certified proposal via USPS tracking No. 70191640000030765746.						

6/26/2020	Email: Applicant sent a follow-up email to the Mineral Owner (bakermanjack@xxxx) in regard to the certified proposal that was sent, requesting a verbal discussion.						
6/30/2020	Email: Applicant exchanged emails with the Mineral Owner (bakermanjack@xxxx) in regard to the signing of a protection lease for those parcels not affected by the Quiet Title case. The Mineral Owner states that they are not willing to negotiate for a lease.						
Heirship ID	Tract	Owner	Parcel	Address			
JD	5 13 35B 38	David D. Cavallaro ("Mineral Owner") , Heir of Ireta Dallas, Heir of John T. Dallas, Heir of Jasper J. Dallas and Mary M. Dallas	41-00086-000 41-00379-000 41-02289-000 41-02306-002	121 Lydall Rd.	East Hartford	CT	06118
	Date:	Comments:					
1/15/2017 - 11/7/2017		Research: Applicant reviewed documents of record in Jefferson County, Ohio (including Probate records) along with online resources, including US Census records, Social Security Death Index, Ancestry, Familysearch, and Findagrave. Jasper J. Dallas and Mary M. Dallas were the original severance holders. Jasper J. Dallas died on 1/30/1932 in Jefferson County, Ohio. Probate Case #20106 (and Certificate of Transfer in DV 159/67) shows that he left his estate to his widow, Mary M. Dallas. Mary M. Dallas died in Idaho, with no documentation regarding the property recorded in Jefferson County, Ohio. Jasper and Mary Dallas had 8 children; Cyrus M. Dallas, John T. Dallas, Mabel (Dallas) Gates, Errett W. Dallas, Alma (Dallas) Johnson, Robert E. Dallas, Edgar Hayden Dallas, and Nelle E. (Dallas) Miller.					
1/15/2017 - 11/7/2017		Research: John T. Dallas died in Boise, ID on 5/23/1953. His interest passed to his surviving spouse, Edna Dallas. Edna died in Boise, ID on 10/18/1984. Her heirs are Robert E. Dallas, Nettie Dallas Linton, Vernon W. Dallas, Ireta Dallas, Russell Thomas Dallas, Edgar N. Dallas, Kenneth C. Dallas, and Emma Louise Harlan. Ireta Dallas died in Madison, CT on 1/10/2016. Her heirs are John C. Cavallaro, James K. Cavallaro, Karen S. Marasco, and David D. Cavallaro.					
11/8/2017		Research and Phone Call: Applicant located and called phone number (860) 521-xxxx, and left a detailed message.					
11/28/2017		Phone Call: Applicant located a contact phone number (860) 521-xxxx, and left a detailed message.					
11/30/2017		Phone Call: Applicant placed a call to (860) 521-xxxx, and spoke with the Mineral Owner's wife, Patricia, and discussed the leasing process, will have Mineral Owner call for further details.					
12/15/2017		Phone Call: Applicant placed a call to (860) 521-xxxx, and left a detailed message.					
1/24/2018		Phone Call: Applicant received a call from (860) 521-xxxx, wherein the Mineral Owner agreed to lease.					
1/26/2018		Mail: Lease packet was shipped via FedEx tracking # 771334760919, which was delivered January 29th, 2018.					
2/6/2018		Phone Call: Applicant placed a call to (860) 521-xxxx, and left a detailed message.					
3/6/2018		Phone Call: Applicant placed a call to (860) 521-xxxx, and left a detailed message.					
3/28/2018		Phone Call: Applicant placed a call to (860) 521-xxxx, and left a detailed message.					
4/17/2018		Phone Call: Applicant placed a call to (860) 521-xxxx, and spoke to the spouse of the Mineral Owner (Patricia) they are reviewing the docs again after seeking legal counsel.					
4/20/2018		Phone Call: Applicant spoke to the spouse of the Mineral Owner again via phone (860) 521-xxxx, she was possibly seeking to have a new lease sent to which she would release her dower interest, but would be in touch in a few days after another review with her attorney.					
5/21/2018		Phone Call: Applicant spoke to the Mineral Owner's spouse again via phone (860) 521-xxxx, they have decided not to move forward.					
2/25/2019		Certified Mailing: Applicant sent certified proposal letter for the protection lease needed for the subject severance, via USPS Tracking # 7017 3040 0000 4554 4078.					
3/4/2019		Phone Call: Applicant received a call from the Mineral Owner at (860) 521-xxxx, in regard to the certified letter they received. The Mineral Owners stated that their attorney has advised them not to participate in any leasing, as it is not in their best interest.					
8/14/2019		Phone Call: Applicant placed a call to (860) 521-xxxx, and left a detailed message.					
8/21/2019		Email: Applicant exchanged emails with the Mineral Owner (bakermanjack@xxxx) in regard to the signing of a protection lease for those parcels not affected by the Quiet Title case.					

10/24/2019	Phone Call: Applicant placed a call to (860) 521-xxxx, and left a detailed message.							
10/25/2019	Phone Call: Applicant received a call from the Mineral Owner at (860) 521-xxxx, in regard to the message they received. The Mineral Owners stated that their attorney has advised them not to participate in any leasing, as it is not in their best interest.							
6/25/2020	Mail: Applicant shipped a certified proposal via USPS tracking No. 7019164000030765739.							
6/27/2020	Phone Call: Applicant placed a call to (860) 521-xxxx, and left a detailed message.							
6/27/2020	Phone Call: Applicant received a voice message from a very irritated Mineral Owner ((860) 521-xxxx) stating that for years they have not been inclined to sign, and their answer remains the same, they will continue to refuse all attempts at negotiations.							
7/2/2020	Research: Applicant used the USPS tracking No. to verify that the certified proposals was delivered on June 30th, 2020.							
Heirship ID	Tract	Owner	Parcel	Address				
JD	5 13 35B 38	Edgar N. Dallas, his unknown successors, heirs and assigns ("Mineral Owner") Heir of Russell Thomas Dallas, Heir of John T. Dallas, Heir of Jasper J. Dallas and Mary M. Dallas	41-00086-000 41-00379-000 41-02289-000 41-02306-002	Undetermined	Undetermined	Undetermined	Undetermined	
	Date:	Comments:						
	1/15/2017 - 10/10/2018	Research: Applicant reviewed documents of record in Jefferson County, Ohio (including Probate records) along with online resources, including US Census records, Social Security Death Index, Ancestry, Familysearch, and Findagrave. Jasper J. Dallas and Mary M. Dallas were the original severance holders. Jasper J. Dallas died on 1/30/1932 in Jefferson County, Ohio. Probate Case #20106 (and Certificate of Transfer in DV 159/67) shows that he left his estate to his widow, Mary M. Dallas. Mary M. Dallas died in Idaho, with no documentation regarding the property recorded in Jefferson County, Ohio. Jasper and Mary Dallas had 8 children; Cyrus M. Dallas, John T. Dallas, Mabel (Dallas) Gates, Errett W. Dallas, Alma (Dallas) Johnson, Robert E. Dallas, Edgar Hayden Dallas, and Nelle E. (Dallas) Miller.						
	1/15/2017 - 10/10/2018	Research: John T. Dallas died in Boise, ID on 5/23/1953. His interest passed to his surviving spouse, Edna Dallas. Edna died in Boise, ID on 10/18/1984. Her heirs are Robert E. Dallas, Nettie Dallas Linton, Vernon W. Dallas, Ireta Dallas, Russell Thomas Dallas, Edgar N. Dallas, Kenneth C. Dallas, and Emma Louise Harlan. Edgar N. Dallas died in Boise, ID on 1/13/1993. His surviving spouse, Gloria R. Pfirman Dallas, died in Boise, ID on 10/14/2003. It is unknown if they had any children or other heirs. The interest has been left with Edgar N. Dallas, his unknown successors, heirs and assigns.						
	11/30/2018	Research: Applicant has used USApeoplesearch.com, intelius.com, Accurint.com as well as social media pages were searched with no viable contact information located. The Applicant also spoke with every heir possible in regard to the subject heir(s) and any information on said heir. It had been stated by several heirs that they were not aware of nor had any contact with this side of the family.						
	11/31/2018 - 7/2/2020	Research: Applicant continues searching the heirs, successors, and assigns of Jasper J. Dallas and Mary M. Dallas by performing title work, searching court records, reviewing marriage and birth records, death records, searching county auditor tax records, searching records maintained by the United States Postal Service, utilizing electronic resources, etc. Affiant further attests that where it was not reasonably possible or practicable to identify all of mineral interest owners' identities or addresses, Applicant will provide notice by publication of a hearing scheduled pursuant to R.C. 1509.28.						
Heirship ID	Tract	Owner	Parcel	Address				
JD	5 13 35B 38	Nettie M. Gates ("Mineral Owner") Heir of Mabel Dallas Gates, Heir of Jasper J. Dallas and Mary M. Dallas	41-00086-000 41-00379-000 41-02289-000 41-02306-002	Undetermined	Undetermined	Undetermined	Undetermined	
	Date:	Comments:						

1/15/2017 - 10/10/2018	Research: Applicant reviewed documents of record in Jefferson County, Ohio (including Probate records) along with online resources, including US Census records, Social Security Death Index, Ancestry, Familysearch, and Findagrave. Jasper J. Dallas and Mary M. Dallas were the original severance holders. Jasper J. Dallas died on 1/30/1932 in Jefferson County, Ohio. Probate Case #20106 (and Certificate of Transfer in DV 159/67) shows that he left his estate to his widow, Mary M. Dallas. Mary M. Dallas died in Idaho, with no documentation regarding the property recorded in Jefferson County, Ohio. Jasper and Mary Dallas had 8 children; Cyrus M. Dallas, John T. Dallas, Mabel (Dallas) Gates, Errett W. Dallas, Alma (Dallas) Johnson, Robert E. Dallas, Edgar Hayden Dallas, and Nelle E. (Dallas) Miller.						
1/15/2017 - 10/10/2018	Research: Mabel Dallas Gates died in Geauga County, OH on 2/26/1965. Her heirs are Nettie M. Gates and Evelyn M. Gates.						
11/30/2018	Research: Applicant has used USApeoplesearch.com, intelius.com, Accurint.com as well as social media pages were searched with no viable contact information located. The Applicant also spoke with every heir possible in regard to the subject heir and any information on said heir. It had been stated by several heirs that they were not aware that Nettie had children. It cannot be determined if the subject heir is still alive, or if she was ever married.						
11/31/2018 - 7/2/2020	Research: Applicant continues searching the heirs, successors, and assigns of Jasper J. Dallas and Mary M. Dallas by performing title work, searching court records, reviewing marriage and birth records, death records, searching county auditor tax records, searching records maintained by the United States Postal Service, utilizing electronic resources, etc. Affiant further attests that where it was not reasonably possible or practicable to identify all of mineral interest owners' identities or addresses, Applicant will provide notice by publication of a hearing scheduled pursuant to R.C. 1509.28.						
Heirship ID	Tract	Owner	Parcel	Address			
JD	5 13 35B 38	The Audre G. & Evelyn M. Blair Revocable Trust dated March 23, 2000, by Robert W. Blair, Successor Trustee ("Mineral Owner"), Heir of Mabel Dallas Gates, Heir of Jasper J. Dallas and Mary M. Dallas	41-00086-000 41-00379-000 41-02289-000 41-02306-002	14515 Bass Lake Rd.	Newbury	OH 44065	
	Date:	Comments:					
1/15/2017 - 10/10/2018		Research: Applicant reviewed documents of record in Jefferson County, Ohio (including Probate records) along with online resources, including US Census records, Social Security Death Index, Ancestry, Familysearch, and Findagrave. Jasper J. Dallas and Mary M. Dallas were the original severance holders. Jasper J. Dallas died on 1/30/1932 in Jefferson County, Ohio. Probate Case #20106 (and Certificate of Transfer in DV 159/67) shows that he left his estate to his widow, Mary M. Dallas. Mary M. Dallas died in Idaho, with no documentation regarding the property recorded in Jefferson County, Ohio. Jasper and Mary Dallas had 8 children; Cyrus M. Dallas, John T. Dallas, Mabel (Dallas) Gates, Errett W. Dallas, Alma (Dallas) Johnson, Robert E. Dallas, Edgar Hayden Dallas, and Nelle E. (Dallas) Miller.					
1/15/2017 - 10/10/2018		Research: Mabel Dallas Gates died in Geauga County, OH on 2/26/1965. Her heirs are Nettie M. Gates and Evelyn M. Gates.					
11/30/2018		Research: Applicant has used USApeoplesearch.com, intelius.com, Accurint.com as well as social media pages were searched with no viable contact information located. The Applicant also spoke with every heir possible in regard to the subject heir and any information on said heir. It had been stated by several heirs that they were not aware that Evelyn had children. It cannot be determined if the subject heir is still alive, or if she was ever married.					
11/31/2018 - 3/4/2019		Research: Family sources directed the Applicant to Robert W. Blair, son and Trustee of the Mineral Owner's Trust. The Mineral Owner's interest is now held in The Audre G. & Evelyn M. Blair Revocable Trust, dated March 23, 2000.					
3/5/2019		Email: Applicant had an email exchange with Robert W. Blair at drbblair@xxxx, who is the son and Trustee for the Evelyn M (Gates) Blair Estate. Applicant has requested a copy of the documents necessary to generate a lease for the Mineral Owner.					
3/11/2019		Mail: Lease was generated and shipped for signature via FedEx tracking # 774669923668, which was delivered March 14th, 2019.					
3/18/2019		Email: Applicant sent a follow up email to Robert W. Blair at drbblair@xxxx in regard to the packet he received 3/14/2019. The email was answered wherein the Mineral Owner stated that the documents had been turned over to the family attorney for review.					
3/27/2019		Phone Call: Applicant received a call from an heir of Evelyn Blair to advise of the Mineral Owner's passing on 3/19/2019, and that a probate case was soon to commence.					
6/5/2019		Phone Call: Applicant received a call (unlisted) from an heir of Evelyn Blair to advise that the final accounting of Mineral Owner's estate was due, and that they would be in touch when the estate was closed.					

8/14/2019	Email: Applicant sent a follow up email to keware@xxxx who is one of the heirs to the Mineral Owner's estate. Applicant is awaiting a response.
8/20/2019	Phone Call: Applicant received a call (unlisted) from an heir of Evelyn Blair to advise that Mineral Owner's estate was being delayed, and that they would be in touch when the estate was closed.
10/24/2019	Email: Applicant sent a follow up email to keware@xxxx who is one of the heirs to the Mineral Owner's estate. A response was received from the subject Mineral Owner stating that a civil case may soon ensue, as the Trustee has not complied with the parameters of the estate inventory filing to date.
6/25/2020	Mail: Applicant shipped a certified proposal via USPS tracking No. 70191640000030765722.
6/26/2020	Email: Applicant sent a follow up email to keware@xxxx who is one of the heirs to the Mineral Owner's estate. Applicant is awaiting a response. Applicant also sent a separate email to drbblair@xxxx, the Successor Trustee requesting verbal communication.
6/30/2020	Research: Applicant used the USPS tracking system to determine that the letter was delivered June 29th, 2020.
7/6/2020	Email: Applicant sent a follow up email to keware@xxxx who is one of the heirs to the Mineral Owner's estate. Applicant is awaiting a response. Applicant also sent a separate email to drbblair@xxxx, the Successor Trustee requesting verbal communication. Applicant received a response from keware@xxxx stating that the Trustee has made no progress with the estate to date.

Heirship ID	Tract	Owner	Parcel	Address			
JD	5 13 35B 38	Jane Lonsberry ("Mineral Owner"), Heir of Judith L. Lonsberry Dryden, Heir of Elwood O. Dallas, Heir of Errett W. Dallas, Heir of Jasper J. Dallas and Mary M. Dallas	41-00086-000 41-00379-000 41-02289-000 41-02306-002	223 E Mill St. Apt. 1	Orland	CA	95963-1977

Date:	Comments:
1/15/2017 - 11/20/2017	Research: Applicant reviewed documents of record in Jefferson County, Ohio (including Probate records) along with online resources, including US Census records, Social Security Death Index, Ancestry, Familysearch, and Findagrave. Jasper J. Dallas and Mary M. Dallas were the original severance holders. Jasper J. Dallas died on 1/30/1932 in Jefferson County, Ohio. Probate Case #20106 (and Certificate of Transfer in DV 159/67) shows that he left his estate to his widow, Mary M. Dallas. Mary M. Dallas died in Idaho, with no documentation regarding the property recorded in Jefferson County, Ohio. Jasper and Mary Dallas had 8 children; Cyrus M. Dallas, John T. Dallas, Mabel (Dallas) Gates, Errett W. Dallas, Alma (Dallas) Johnson, Robert E. Dallas, Edgar Hayden Dallas, and Nelle E. (Dallas) Miller.
1/15/2017 - 11/20/2017	Research: Errett W. Dallas died in Butte County, CA on 7/4/1955. His surviving spouse, Harriet Dallas, died in Dallas, TX on 1/13/1959. Her heirs are Walton M. Dallas and Elwood O. Dallas. Elwood O. Dallas died in Bandon, OR on 11/7/1993. His surviving spouse, Hazel G. Dallas, died in Coos County, OR on 2/1/2007. Her heirs are Sandra Sue Dallas, Judith L. Lonsberry Dryden, and Thomas Marshall Dallas. Judith L. Lonsberry Dryden died in Chico, CA on 8/25/2014. Her heirs are JaDene S. Jones and Jane Lonsberry.
12/15/2018	Phone Call: Applicant talked with Mineral Owner's sister, JaDene, at (916) 984-xxxx, and she stated that she would have the Mineral Owner contact the Applicant.
4/17/2018	Phone Call: Applicant placed a call to (530) 774-xxxx and left a detailed message.
6/5/2018	Phone Call: Applicant placed a call to (530) 774-xxxx and left a detailed message.
2/25/2019	Mail: Applicant has prepared and shipped a certified proposal letter for the protection lease needed for the subject severance, via USPS Tracking # 7017 3040 0000 4554 9425, which was delivered March 4th, 2019.
3/18/2019	Phone Call: Applicant placed a call to (530) 774-xxxx and left a detailed message.
4/1/2019	Phone Call: Applicant placed a call to (530) 774-xxxx and left a detailed message.
4/20/2019	Phone Call: Applicant placed a call to (530) 774-xxxx and left a detailed message.
8/14/2019	Phone Call: Applicant placed a call to (530) 774-xxxx and left a detailed message.
10/24/2019	Phone Call: Applicant placed a call to (530) 774-xxxx and left a detailed message.
6/25/2020	Mail: Applicant shipped a certified proposal via USPS tracking No. 70191640000030765708.

6/25/2020	Phone Call: Applicant placed a call to (530) 774-xxxx and left a detailed message.							
6/30/2020	Research: Applicant used the USPS tracking system to determine that the letter was delivered June 29th, 2020.							
7/6/2020	Phone Call: Applicant placed a call to (530) 774-xxxx and was unable to leave a message as the voicemail for the Mineral owner was full.							
Heirship ID	Tract	Owner	Parcel	Address				
JD	5 13 35B 38	Kay E. Hering ("Mineral Owner") , Heir of Elvin Johnson a/k/a Alvin Johnson , Heir of Alma Johnson, Heir of Jasper J. Dallas and Mary M. Dallas	41-00086-000 41-00379-000 41-02289-000 41-02306-002	13900 Hale Rd.	Burton	OH	44021	
	Date:	Comments:						
1/15/2017 - 11/20/2017		Research: Applicant reviewed documents of record in Jefferson County, Ohio (including Probate records) along with online resources, including US Census records, Social Security Death Index, Ancestry, Familysearch, and Findagrave. Jasper J. Dallas and Mary M. Dallas were the original severance holders. Jasper J. Dallas died on 1/30/1932 in Jefferson County, Ohio. Probate Case #20106 (and Certificate of Transfer in DV 159/67) shows that he left his estate to his widow, Mary M. Dallas. Mary M. Dallas died in Idaho, with no documentation regarding the property recorded in Jefferson County, Ohio. Jasper and Mary Dallas had 8 children; Cyrus M. Dallas, John T. Dallas, Mabel (Dallas) Gates, Errett W. Dallas, Alma (Dallas) Johnson, Robert E. Dallas, Edgar Hayden Dallas, and Nelle E. (Dallas) Miller.						
1/15/2017 - 11/20/2017		Research: Alma Johnson died at Chippewa Lake, OH on 4/25/1957. Her surviving spouse, Ernest P. Johnson died in Chatham OH in 1960. Their heirs are Elvin E. Johnson a/k/a Alvin Johnson, Roger D. Johnson, Hobart M. Johnson, Justine E. Siedel, Dorothy Smith, and Nettie Mapes Elvin Johnson died in Geauga County, OH in 1996. His heirs are Marvin A. Johnson, Carol L. Glover, Kay E. Hering, and Melinda Rae Baty.						
3/11/2019		Phone Call: Applicant was contacted by the Mineral Owner. The Mineral Owner has verbally agreed to lease.						
3/18/2019		Mail: Lease packet was prepared and shipped for signature via FedEx tracking # 7747 1437 4956, which was delivered March 22nd, 2019.						
4/1/2019		Phone Call: Applicant was informed by the daughter of another heir (Sharon Grover) at (440) 221-xxxx, that the Mineral Owner has been convinced by another heir, Marvin Johnson, to sign an agreement with Halo Land Management.						
8/14/2019		Research and Phone Call: Applicant placed a call to (440) 834-xxxx and left a message after confirming through a check of the Court Records that there is no recorded Memorandum of Oil and Gas Lease.						
10/25/2019		Research and Phone Call: Applicant placed a call to (440) 834-xxxx and was hung up on. Applicant verified through the Courthouse Records that there is no conveyance Deed nor recorded Memorandum of Oil and Gas Lease.						
6/25/2020		Mail: Applicant shipped a certified proposal via USPS tracking No. 70191640000030765678.						
6/27/2020		Email: Applicant sent a follow up email to the Mineral Owner bkhering@xxxx requesting verbal communication.						
7/2/2020		Research: Applicant used the USPS tracking No. to verify that the certified proposals was delivered on June 30th, 2020.						
7/6/2020		Phone Call: Applicant placed a call to (440) 834-xxxx and was immediately hung up on.						
Heirship ID	Tract	Owner	Parcel	Address				
JD	5 13 35B 38	Melinda Rae Baty ("Mineral Owner") , Heir of Elvin Johnson a/k/a Alvin Johnson , Heir of Alma Johnson, Heir of Jasper J. Dallas and Mary M. Dallas	41-00086-000 41-00379-000 41-02289-000 41-02306-002	919 Franklin Ave.	Fremont	OH	43420	
	Date:	Comments:						

1/15/2017 - 11/20/2017	Research: Applicant reviewed documents of record in Jefferson County, Ohio (including Probate records) along with online resources, including US Census records, Social Security Death Index, Ancestry, Familysearch, and Findagrave. Jasper J. Dallas and Mary M. Dallas were the original severance holders. Jasper J. Dallas died on 1/30/1932 in Jefferson County, Ohio. Probate Case #20106 (and Certificate of Transfer in DV 159/67) shows that he left his estate to his widow, Mary M. Dallas. Mary M. Dallas died in Idaho, with no documentation regarding the property recorded in Jefferson County, Ohio. Jasper and Mary Dallas had 8 children; Cyrus M. Dallas, John T. Dallas, Mabel (Dallas) Gates, Errett W. Dallas, Alma (Dallas) Johnson, Robert E. Dallas, Edgar Hayden Dallas, and Nelle E. (Dallas) Miller.						
1/15/2017 - 11/20/2017	Research: Alma Johnson died at Chippewa Lake, OH on 4/25/1957. Her surviving spouse, Ernest P. Johnson died in Chatham OH in 1960. Their heirs are Elvin E. Johnson a/k/a Alvin Johnson, Roger D. Johnson, Hobart M. Johnson, Justine E. Siedel, Dorothy Smith, and Nettie Mapes Elvin Johnson died in Geauga County, OH in 1996. His heirs are Marvin A. Johnson, Carol L. Glover, Kay E. Hering, and Melinda Rae Baty.						
3/11/2019	Phone Call: Applicant was contacted by the child of another heir (Sharon Grover) at (440) 221-xxxx, who will be getting the contact information for the Mineral Owner within 48 hours.						
3/18/2019	Phone Call: Applicant was provided the contact information for the subject heir and placed a call to (419) 343-xxxx, the subject Mineral Owner did not answer, so a detailed message was left.						
4/1/2019	Phone Call: Applicant was informed by the child of another heir (Sharon Grover) at (440) 221-xxxx, that the Mineral Owner has been convinced by another heir, Marvin Johnson, to sign an agreement with Halo Land Management.						
8/14/2019	Research and Phone Call: After confirming through a check of the Court Records that there is no recorded Memorandum of Oil and Gas Lease, Applicant placed a call to (419) 343-xxxx and was told that the Mineral Owner doesn't live there and was hung up on.						
10/25/2019	Research and Phone Call: Applicant placed a call to (440) 834-xxxx and was hung up on. Applicant verified through the Courthouse Records that there is no conveyance Deed nor recorded Memorandum of Oil and Gas Lease.						
6/25/2020	Mail: Applicant shipped a certified proposal via USPS tracking No. 70191640000030765661.						
6/26/2020	Phone Call: Applicant placed a call to (419) 343-xxxx, where an unidentified man answered and claimed that the Mineral Owner would not take the call, and she had no relatives. He then hung up.						
6/30/2020	Research: Applicant used the USPS tracking system to determine that the letter was delivered June 27th, 2020.						
Heirship ID	Tract	Owner	Parcel	Address			
JD	5 13 35B 38	Michael D. Lotz ("Mineral Owner"), Heir of Shirley J. Lotz, Heir of Roger D. Johnson, Heir of Alma Johnson, Heir of Jasper J. Dallas and Mary M. Dallas	41-00086-000 41-00379-000 41-02289-000 41-02306-002	1007 S Bridgeport Pl.	Sioux Falls	SD	57106-3465
	Date:	Comments:					
	1/15/2017 - 6/3/2018	Research: Applicant reviewed documents of record in Jefferson County, Ohio (including Probate records) along with online resources, including US Census records, Social Security Death Index, Ancestry, Familysearch, and Findagrave. Jasper J. Dallas and Mary M. Dallas were the original severance holders. Jasper J. Dallas died on 1/30/1932 in Jefferson County, Ohio. Probate Case #20106 (and Certificate of Transfer in DV 159/67) shows that he left his estate to his widow, Mary M. Dallas. Mary M. Dallas died in Idaho, with no documentation regarding the property recorded in Jefferson County, Ohio. Jasper and Mary Dallas had 8 children; Cyrus M. Dallas, John T. Dallas, Mabel (Dallas) Gates, Errett W. Dallas, Alma (Dallas) Johnson, Robert E. Dallas, Edgar Hayden Dallas, and Nelle E. (Dallas) Miller.					
	1/15/2017 - 6/3/2018	Research: Alma Johnson died at Chippewa Lake, OH on 4/25/1957. Her surviving spouse, Ernest P. Johnson died in Chatham OH in 1960. Their heirs are Elvin E. Johnson a/k/a Alvin Johnson, Roger D. Johnson, Hobart M. Johnson, Justine E. Siedel, Dorothy Smith, and Nettie Mapes Roger D. Johnson died in Fort Worth, TX, on 2/26/1985. His heirs are Shirley J. Lotz and Janet M. Michie. Shirley J. Lotz died on 10/14/2007. Her surviving spouse, Richard Lotz, died on 2/26/2008. His heirs are Kim A. Kamin and Michael D. Lotz.					
	6/4/2018	Phone Call: Applicant placed a call to (605) 339-xxxx, and left a detailed message.					
	6/20/2018	Phone Call: Applicant placed a call to (605) 339-xxxx, and left a detailed message.					
	7/2/2018	Phone Call: Applicant spoke to the Mineral Owner's sister, Kim Lotz at (817) 284-xxxx, who is leased. Ms. Lotz explained that the Mineral Owner does not wish to lease.					
	2/25/2019	Certified Mailing: Applicant sent proposal letter for the protection lease needed for the subject severance, via USPS Tracking # 7017 3040 0000 4554 9418, which is still in transit.					

4/30/2019	Research: Applicant used the USPS tracking system to determine that the letter is still in transit. Applicant contacted the local postal service and had them check their records, and was informed that it appears as if the letter may have been lost.						
8/14/2019	Phone Call: Applicant placed a call to (605) 339-xxxx, and left a detailed message.						
10/25/2019	Phone Call: Applicant placed a call to (605) 339-xxxx, which has now been disconnected. Applicant used Intelius.com to locate an alternate contact phone number of (817) 244-xxxx, which is also disconnected. However, the contact address remains the same.						
6/25/2020	Mail: Applicant shipped a certified proposal via USPS tracking No. 70191640000030765715.						
6/26/2020	Phone Call: Applicant was unable to locate any viable phone contact through research of various websites, however, a call was placed to his sibling (leased) at (817) 284-xxxx. Applicant left a detailed message asking that a return call or response to the certified letter be made.						
7/6/2020	Research: Applicant used the USPS tracking system to determine that the letter is in return transit. It is unclear at this time if the letter was refused or if the Mineral Owner has moved. Affiant further attests that where it is not reasonably possible or practicable to identify all of mineral interest owners' identities or addresses, Applicant will provide notice by publication of a hearing scheduled pursuant to R.C. 1509.28.						
Heirship ID	Tract	Owner	Parcel	Address			
JD	5 13 35B 38	Allison Shrank Babcock ("Mineral Owner"), Heir of Janet M. Michie heir of Roger D. Johnson, Heir of Alma Johnson, Heir of Jasper J. Dallas and Mary M. Dallas	41-00086-000 41-00379-000 41-02289-000 41-02306-002	17 Bluff Point Rd.	Sag Harbor	NY	11963
Date:	Comments:						
1/15/2017 - 6/3/2017	Research: Applicant reviewed documents of record in Jefferson County, Ohio (including Probate records) along with online resources, including US Census records, Social Security Death Index, Ancestry, Familysearch, and Findagrave. Jasper J. Dallas and Mary M. Dallas were the original severance holders. Jasper J. Dallas died on 1/30/1932 in Jefferson County, Ohio. Probate Case #20106 (and Certificate of Transfer in DV 159/67) shows that he left his estate to his widow, Mary M. Dallas. Mary M. Dallas died in Idaho, with no documentation regarding the property recorded in Jefferson County, Ohio. Jasper and Mary Dallas had 8 children; Cyrus M. Dallas, John T. Dallas, Mabel (Dallas) Gates, Errett W. Dallas, Alma (Dallas) Johnson, Robert E. Dallas, Edgar Hayden Dallas, and Nelle E. (Dallas) Miller.						
1/15/2017 - 6/3/2017	Research: Alma Johnson died at Chippewa Lake, OH on 4/25/1957. Her surviving spouse, Ernest P. Johnson died in Chatham OH in 1960. Their heirs are Elvin E. Johnson a/k/a Alvin Johnson, Roger D. Johnson, Hobart M. Johnson, Justine E. Siedel, Dorothy Smith, and Nettie Mapes Roger D. Johnson died in Fort Worth, TX, on 2/26/1985. His heirs are Shirley J. Lotz and Janet M. Michie. Janet M. Michie is deceased (Date of Death is unknown). Her heirs are Thomas J. Michie Jr. and Allison Shrank Babcock.						
6/4/2018	Phone Call: Applicant placed a call to (631) 764-xxxx, which was provided by a family member, and left a detailed message.						
6/20/2018	Phone Call: Applicant placed a call to (631) 764-xxxx, which was provided by a family member, and left a detailed message.						
9/13/2018	Phone Call: Applicant placed a call to (631) 764-xxxx, which was provided by a family member, and left a detailed message.						
2/25/2019	Mail: Applicant has prepared a certified proposal letter for the Mineral Owner, which was shipped via USPS Tracking # 7017 3040 0000 4554 9401. Tracking shows this delivered March 8th, 2019.						
8/14/2019	Phone Call: Applicant placed a call to (631) 764-xxxx, which was provided by a family member, and left a detailed message.						
10/25/2019	Phone Call: Applicant placed a call to (631) 764-xxxx, the voicemail greeting confirms that this is the contact number for the subject Mineral Owner, the Applicant left a detailed message.						
6/25/2020	Mail: Applicant shipped a certified proposal via USPS tracking No. 70191640000030765654.						
6/25/2020	Phone Call: Applicant placed a call to the Mineral Owner (631) 764-xxxx, Applicant left a detailed message.						
6/30/2020	Research: Applicant used the USPS tracking system to determine that the letter was delivered June 29th, 2020.						
7/6/2020	Phone Call: Applicant placed a call to the Mineral Owner (631) 764-xxxx, Applicant left a detailed message.						
Heirship ID	Tract	Owner	Parcel	Address			

JD	5 13 35B 38	JP Morgan Chase National Bank fka The Peoples National Bank and Trust Company fka The National Bank of Dover ("Mineral Owner") Devisee of Hobert M. Johnson, Heir of Alma Johnson, Heir of Jasper J. Dallas and Mary M. Dallas	41-00086-000 41-00379-000 41-02289-000 41-02306-002	301 W. 3rd St.	Dover	OH	44622
	Date:	Comments:					
	1/15/2017 - 2/11/2018	Research: Applicant reviewed documents of record in Jefferson County, Ohio (including Probate records) along with online resources, including US Census records, Social Security Death Index, Ancestry, Familysearch, and Findagrave. Jasper J. Dallas and Mary M. Dallas were the original severance holders. Jasper J. Dallas died on 1/30/1932 in Jefferson County, Ohio. Probate Case #20106 (and Certificate of Transfer in DV 159/67) shows that he left his estate to his widow, Mary M. Dallas. Mary M. Dallas died in Idaho, with no documentation regarding the property recorded in Jefferson County, Ohio. Jasper and Mary Dallas had 8 children; Cyrus M. Dallas, John T. Dallas, Mabel (Dallas) Gates, Errett W. Dallas, Alma (Dallas) Johnson, Robert E. Dallas, Edgar Hayden Dallas, and Nelle E. (Dallas) Miller.					
	1/15/2017 - 2/11/2018	Research: Alma Johnson died at Chippewa Lake, OH on 4/25/1957. Her surviving spouse, Ernest P. Johnson died in Chatham OH in 1960. Their heirs are Elvin E. Johnson a/k/a Alvin Johnson, Roger D. Johnson, Hobart M. Johnson, Justine E. Siedel, Dorothy Smith, and Nettie Mapes Hobart M. Johnson died in Dover, OH on 8/22/1966. Estate administered under Tuscarawas County Probate Court Case No. 31445. Trust created by Hobert M. Johnson's estate: The National Bank of Dover. Research has found that The National Bank of Dover was renamed the Peoples National Bank and Trust Company, renamed Bank One, Dover, NA, acquired by Bank One, NA, renamed to Third St. BR, renamed to Dover Main, and merged into JP Morgan Chase Bank, National Association. It is unclear if this Trust is still open or if it has been closed. The Beneficiaries of the Trust are Beverly R. Link and Sandra K. Cooley.					
	2/12/2018	Research: Additional information pertaining to the Trust was found after the leasing of the heirs of Hobart M. Johnson as individuals. No interest has been passed. It is yet to be determined if there are additional documents needed or if a Ratification is necessary. Please note that the bank does not appear to be in existence any longer.					
	2/25/2019	Research: Additional research is needed. Applicant will contact the lessors who leased this individually to ascertain if there's a dissolution of trust.					
	4/30/2019	Research: Applicant followed the FDIC transfer of inactive institutions to determine that the entity potentially holding Hobart M. Johnson's interest is now JPMorgan Chase Bank.					
	5/1/2019 - 10/24/2019	Research: Applicant continues searching the heirs, successors, and assigns of Jasper J. Dallas and Mary M. Dallas by performing title work, searching court records, reviewing marriage and birth records, death records, searching county auditor tax records, searching records maintained by the United States Postal Service, utilizing electronic resources, etc.					
	6/25/2020	Mail: Applicant shipped a certified proposal via USPS tracking No. 70191640000030765685.					
	6/30/2020	Research: Applicant used the USPS tracking system to determine that the letter was delivered June 27th, 2020. Affiant further attests that where it is not reasonably possible or practicable to identify all of mineral interest owners' identities or addresses, Applicant will provide notice by publication of a hearing scheduled pursuant to R.C. 1509.28.					
Heirship ID	Tract	Owner	Parcel	Address			
JD	5 13 35B 38	George J. Siedel ("Mineral Owner") Heir of Justine E. Siedel, Heir of Hobart M. Johnson, Heir of Jasper J. Dallas and Mary M. Dallas	41-00086-000 41-00379-000 41-02289-000 41-02306-002	2809 Aspen Road	Ann Arbor	MI	48108
	Date:	Comments:					
	1/15/2017 - 5/1/2018	Research: Applicant reviewed documents of record in Jefferson County, Ohio (including Probate records) along with online resources, including US Census records, Social Security Death Index, Ancestry, Familysearch, and Findagrave. Jasper J. Dallas and Mary M. Dallas were the original severance holders. Jasper J. Dallas died on 1/30/1932 in Jefferson County, Ohio. Probate Case #20106 (and Certificate of Transfer in DV 159/67) shows that he left his estate to his widow, Mary M. Dallas. Mary M. Dallas died in Idaho, with no documentation regarding the property recorded in Jefferson County, Ohio. Jasper and Mary Dallas had 8 children; Cyrus M. Dallas, John T. Dallas, Mabel (Dallas) Gates, Errett W. Dallas, Alma (Dallas) Johnson, Robert E. Dallas, Edgar Hayden Dallas, and Nelle E. (Dallas) Miller.					
	1/15/2017 - 5/1/2018	Research: Alma Johnson died at Chippewa Lake, OH on 4/25/1957. Her surviving spouse, Ernest P. Johnson died in Chatham OH in 1960. Their heirs are Elvin E. Johnson a/k/a Alvin Johnson, Roger D. Johnson, Hobart M. Johnson, Justine E. Siedel, Dorothy Smith, and Nettie Mapes Justine E. Siedel died in Medina, OH on 11/5/1992. Her surviving spouse, George Siedel died in Medina, OH on 10/17/2001. His heirs are George J. Siedel and Karen E Braaten.					

5/2/2018	Phone Call and Email: Applicant placed a call to (734) 764-xxxx and spoke to the Mineral Owner, subsequently emailing him a lease form to review to gsiedel@xxxx.						
5/4/2018	Phone Call: Applicant spoke to George at (734) 764-xxxx in regard to leasing details and the possibility of deeding the interest to his children.						
5/8/2018	Phone Call: Applicant received a call from the Mineral Owner at (734) 764-xxxx, and has advised the Mineral Owner that he is responsible to file the Mineral Quit Claim Deed and provide that before any leasing is done if that is what he wishes. A copy of the Deed and Parcel Numbers were sent via email at gsiedel@xxxx along with the Jefferson County website link.						
6/6/2018	Phone Call: Applicant received a call from (734) 764-xxxx and spoke to Mineral Owner. Applicant was advised to have a lease prepared for him.						
6/10/2018	Mail: Lease packet was shipped for signature via FedEx tracking # (Out) 772428681789, which was received June 13th, 2018.						
7/10/2018	Phone Call: Applicant placed a follow up call to (734) 764-xxxx and left a detailed message.						
7/25/2018	Phone Call: Applicant placed a call to (734) 764-xxxx, the Mineral Owner claims to have not received the lease. After further investigation it was determined that the lease was indeed in his possession. Mineral Owner agreed verbally to return the lease.						
8/10/2018	Phone Call: Applicant placed a follow up call to (734) 764-xxxx and left a detailed message.						
9/10/2018	Phone Call: Applicant placed a follow up call to (734) 764-xxxx and left a detailed message.						
2/25/2019	Certified Mailing: Applicant prepared and shipped a certified proposal letter for the protection lease needed for the subject severance, via USPS Tracking # 7017 3040 0000 4554 9395, which was delivered March 4th, 2019.						
8/14/2019	Phone Call: Applicant placed a call to (734) 764-xxxx and left a detailed message.						
8/21/2019	Email: Applicant sent a detailed follow up email to the Mineral Owner gsiedel@xxxxx in regard to the open interest, and offered a new revised lease for review.						
8/26/2019	Email and Phone Call: Applicant sent a follow up email to the Mineral Owner gsiedel@xxxxx in regard to the open interest, and the Applicant also reached out by phone (734) 764-xxxx, however, was forced to leave a message.						
9/4/2019	Email: Applicant received an email from the Mineral Owner gsiedel@xxxxx in which he wrote " I am waiting to hear from another company that is interested in purchasing my oil and gas rights"						
10/25/2019 - 10/28/2019	Email: Applicant had several email exchanges with the Mineral Owner in regard to leasing the subject interest, wherein the Mineral Owner has not yet made a commitment to any agreement.						
6/25/2020	Mail: Applicant shipped a certified proposal via USPS Tracking No. 70191640000030519349.						
6/26/2020 - 6/30/2020	Email: Applicant has had several email exchanges with (gsiedel@xxxx) the Mineral Owner in regard to leasing the subject interest, wherein the Mineral Owner has not yet made a commitment to any agreement.						
7/2/2020	Research: Applicant used the USPS tracking system to determine that the letter was delivered June 29th, 2020.						
Heirship ID	Tract	Owner	Parcel	Address			
JD	5 13 35B 38	Lillian J. Smith ("Mineral Owner"), Heir of Stanley Dallas Smith, Heir of Dorothy Smith, Heir of Alma Johnson, Heir of Jasper J. Dallas and Mary M. Dallas	41-00086-000 41-00379-000 41-02289-000 41-02306-002	Undetermined	Undetermined	Undetermined	Undetermined
	Date:	Comments:					
	1/15/2017 - 12/3/2017	Research: Applicant reviewed documents of record in Jefferson County, Ohio (including Probate records) along with online resources, including US Census records, Social Security Death Index, Ancestry, Familysearch, and Findagrave. Jasper J. Dallas and Mary M. Dallas were the original severance holders. Jasper J. Dallas died on 1/30/1932 in Jefferson County, Ohio. Probate Case #20106 (and Certificate of Transfer in DV 159/67) shows that he left his estate to his widow, Mary M. Dallas. Mary M. Dallas died in Idaho, with no documentation regarding the property recorded in Jefferson County, Ohio. Jasper and Mary Dallas had 8 children; Cyrus M. Dallas, John T. Dallas, Mabel (Dallas) Gates, Errett W. Dallas, Alma (Dallas) Johnson, Robert E. Dallas, Edgar Hayden Dallas, and Nelle E. (Dallas) Miller.					

1/15/2017 - 12/3/2017	Research: Alma Johnson died at Chippewa Lake, OH on 4/25/1957. Her surviving spouse, Ernest P. Johnson died in Chatham OH in 1960. Their heirs are Elvin E. Johnson a/k/a Alvin Johnson, Roger D. Johnson, Hobart M. Johnson, Justine E. Siedel, Dorothy Smith, and Nettie Mapes Dorothy Smith died in Sullivan, OH in 1992. Her heirs are Stanley Dallas Smith and Delbert W. "Pete" Smith. Stanley Dallas Smith Died in Wellington, OH on 12/18/1989. His interest is passed to his surviving spouse, Lillian J. Smith.							
12/4/2017 - 10/10/2018	Research: Applicant was unable to locate a contact phone number or address for the Mineral Owner using various websites such as Accurint.com, USApeoplesearch.com and Intelius.com.							
10/12/2018 - 7/2/2020	Research: Applicant continues searching the heirs, successors, and assigns of Jasper J. Dallas and Mary M. Dallas by performing title work, searching court records, reviewing marriage and birth records, death records, searching county auditor tax records, searching records maintained by the United States Postal Service, utilizing electronic resources, etc. Affiant further attests that where it was not reasonably possible or practicable to identify all of mineral interest owners' identities or addresses, Applicant will provide notice by publication of a hearing scheduled pursuant to R.C. 1509.28.							
Heirship ID	Tract	Owner	Parcel	Address				
JD	5 13 35B 38	Betty Smith ("Mineral Owner"), Heir of Delbert W. "Pete" Smith, Heir of Dorothy Smith, Heir of Alma Johnson, Heir of Jasper J. Dallas and Mary M. Dallas	41-00086-000 41-00379-000 41-02289-000 41-02306-002	Undetermined	Undetermined	Undetermined	Undetermined	
	Date:	Comments:						
	1/15/2017 - 10/10/2018	Research: Applicant reviewed documents of record in Jefferson County, Ohio (including Probate records) along with online resources, including US Census records, Social Security Death Index, Ancestry, Familysearch, and Findagrave. Jasper J. Dallas and Mary M. Dallas were the original severance holders. Jasper J. Dallas died on 1/30/1932 in Jefferson County, Ohio. Probate Case #20106 (and Certificate of Transfer in DV 159/67) shows that he left his estate to his widow, Mary M. Dallas. Mary M. Dallas died in Idaho, with no documentation regarding the property recorded in Jefferson County, Ohio. Jasper and Mary Dallas had 8 children; Cyrus M. Dallas, John T. Dallas, Mabel (Dallas) Gates, Errett W. Dallas, Alma (Dallas) Johnson, Robert E. Dallas, Edgar Hayden Dallas, and Nelle E. (Dallas) Miller.						
	1/15/2017 - 10/10/2018	Research: Alma Johnson died at Chippewa Lake, OH on 4/25/1957. Her surviving spouse, Ernest P. Johnson died in Chatham OH in 1960. Their heirs are Elvin E. Johnson a/k/a Alvin Johnson, Roger D. Johnson, Hobart M. Johnson, Justine E. Siedel, Dorothy Smith, and Nettie Mapes Dorothy Smith died in Sullivan, OH in 1992. Her heirs are Stanley Dallas Smith and Delbert W. "Pete" Smith. Delbert W. "Pete" Smith died in Ashland, OH on 9/24/2002. His interest is passed to his surviving spouse, Betty Smith.						
	10/12/2018 - 12/4/2018	Research: Applicant was unable to locate a contact phone number or address for the Mineral Owner using various websites such as Accurint.com, USApeoplesearch.com and Intelius.com. Applicant may have to rely on family information. There are hundreds of Betty Smith's located.						
	12/4/2018 - 7/2/2020	Research: Applicant continues searching the heirs, successors, and assigns of Jasper J. Dallas and Mary M. Dallas by performing title work, searching court records, reviewing marriage and birth records, death records, searching county auditor tax records, searching records maintained by the United States Postal Service, utilizing electronic resources, etc. Affiant further attests that where it was not reasonably possible or practicable to identify all of mineral interest owners' identities or addresses, Applicant will provide notice by publication of a hearing scheduled pursuant to R.C. 1509.28.						
Heirship ID	Tract	Owner	Parcel	Address				
JD	5 13 35B 38	The Revocable Living Trust of Betty M. Stotlar, 2014, by Dale Stotlar Jr., Trustee ("Mineral Owner"), Heir of Betty Stotlar, Heir of Nettie Mapes, Heir of Alma Johnson, Heir of Jasper J. Dallas and Mary M. Dallas	41-00086-000 41-00379-000 41-02289-000 41-02306-002	1129 Krumroy Rd.	Akron	OH	44306	
	Date:	Comments:						
	1/15/2017 - 10/10/2018	Research: Applicant reviewed documents of record in Jefferson County, Ohio (including Probate records) along with online resources, including US Census records, Social Security Death Index, Ancestry, Familysearch, and Findagrave. Jasper J. Dallas and Mary M. Dallas were the original severance holders. Jasper J. Dallas died on 1/30/1932 in Jefferson County, Ohio. Probate Case #20106 (and Certificate of Transfer in DV 159/67) shows that he left his estate to his widow, Mary M. Dallas. Mary M. Dallas died in Idaho, with no documentation regarding the property recorded in Jefferson County, Ohio. Jasper and Mary Dallas had 8 children; Cyrus M. Dallas, John T. Dallas, Mabel (Dallas) Gates, Errett W. Dallas, Alma (Dallas) Johnson, Robert E. Dallas, Edgar Hayden Dallas, and Nelle E. (Dallas) Miller.						

1/15/2017 - 10/10/2018	Research: Alma Johnson died at Chippewa Lake, OH on 4/25/1957. Her surviving spouse, Ernest P. Johnson died in Chatham OH in 1960. Their heirs are Elvin E. Johnson a/k/a Alvin Johnson, Roger D. Johnson, Hobart M. Johnson, Justine E. Siedel, Dorothy Smith, and Nettie Mapes. Nettie Mapes died in Chesterland, OH on 7/1/1995. Probate Case #95-PE-000383 shows that she was survived by her husband Kenneth Mapes. Kenneth Mapes died in Chesterland, OH on 1/13/1999. His Probate Case (#99-PE-00461) shows that there are 4 heirs, Betty M. Stotlar, Mary A. Barnhardt, David L. Mapes, and Donna M. Mapes Werner. Betty M. Stotlar died in Lakemore, OH on 10/23/2014.
10/12/2018 - 12/4/2018	Research: Applicant was unable to locate a contact phone number or address for the Mineral Owner using various websites such as Accurint.com, USApeoplesearch.com and Intelius.com. Applicant may have to rely on family information.
2/25/2019	Mail: Applicant has prepared and shipped a certified proposal letter for the protection lease(s) needed for the subject severance, via USPS Tracking # 7018 1130 0000 8277 4528, which was delivered March 12th, 2019.
3/18/2019	Phone Call: Applicant placed a call to (330) 415-xxxx the Trustee of the Betty Stotlar Trust. Based on new information Betty Stotlar had a probate case 2015 ES 00412, wherein her Last Will and Testament it is stated "I give, devise and bequeath the entire residue of my estate to be added to the principal of the Revocable Living Trust of Betty M. Stotlar..." In speaking with the Trustee Dale Stotlar Jr., Applicant was advised that the Trust is still in effect. The interest will then pass to the Trust. Applicant also emailed dalestotlar@xxxx a copy of the proposed protection lease to the Trustee.
4/8/2019	Email: Applicant sent a follow up email to dalestotlar@xxxx, the Trustee in regard to the subject interest.
4/24/2019	Phone Call: Applicant placed a call to the Trustee of the Betty Stotlar Trust at (330) 415-xxxx, and was asked to call back in an hour. A call was placed by the Applicant, which went to voicemail, a message was left.
8/14/2019	Phone Call: Applicant placed a call to the Trustee of the Betty Stotlar Trust at (330) 415-xxxx, and a message was left requesting a return call.
10/24/2019	Phone Call: Applicant placed a call to the Trustee of the Betty Stotlar Trust at (330) 415-xxxx, and a message was left requesting a return call. Applicant also sent an email to the Mineral Owner at dalestotlar@xxxx.
6/25/2020	Mail and Email: Applicant shipped a certified proposal via USPS tracking No. 70191640000030519356. Applicant also sent a follow up email to the Mineral Owner (dalestotlar@xxxx).
6/30/2020	Research: Applicant used the USPS tracking system to determine that the letter was delivered June 27th, 2020.
7/6/2020	Email: Applicant sent a follow up email to the Mineral Owner (dalestotlar@xxxx).

Heirship ID	Tract	Owner	Parcel	Address						
JD	5 13 35B 38	Robert Hugh Dallas, his unknown successors, heirs and assigns ("Mineral Owner"), Heir of Robert E. Dallas, Heir of Jasper J. Dallas and Mary M. Dallas	41-00086-000 41-00379-000 41-02289-000 41-02306-002	Undetermined						
Date:		Comments:								
1/15/2017 - 10/10/2018		Research: Applicant reviewed documents of record in Jefferson County, Ohio (including Probate records) along with online resources, including US Census records, Social Security Death Index, Ancestry, Familysearch, and Findagrave. Jasper J. Dallas and Mary M. Dallas were the original severance holders. Jasper J. Dallas died on 1/30/1932 in Jefferson County, Ohio. Probate Case #20106 (and Certificate of Transfer in DV 159/67) shows that he left his estate to his widow, Mary M. Dallas. Mary M. Dallas died in Idaho, with no documentation regarding the property recorded in Jefferson County, Ohio. Jasper and Mary Dallas had 8 children; Cyrus M. Dallas, John T. Dallas, Mabel (Dallas) Gates, Errett W. Dallas, Alma (Dallas) Johnson, Robert E. Dallas, Edgar Hayden Dallas, and Nelle E. (Dallas) Miller.								
1/15/2017 - 10/10/2018		Research: Robert E. Dallas died in San Francisco, CA on 7/14/1964. His surviving spouse, Thelma Dallas died in Tucson, AZ in 1974. Her heirs are Robert Hugh Dallas and Virginia Faith Dallas Blankinship. Robert Hugh Dallas died at sea in WWI (8/24/1942). He is listed as married to Ada Dallas of Long Beach, CA. It is believed that Ada Dallas is deceased (Date of Death is Unknown). It is unknown if there are any children or heirs. The interest has been left in Robert Hugh Dallas, his unknown successors, heirs and assigns.								
10/12/2018 - 11/30/2018		Research: Applicant discovered through Findagrave.com as well as several WWII websites that Robert Hugh was approximately 22 years old when according to records of the US Navy, Hugh was a Ship's Clerk 2nd Class aboard the CV-6, USS Enterprise. Robert was buried at sea by "Administrative Decision" in December 1941.								

11/31/2018 - 7/2/2020	Research: Applicant continues searching the heirs, successors, and assigns of Jasper J. Dallas and Mary M. Dallas by performing title work, searching court records, reviewing marriage and birth records, death records, searching county auditor tax records, searching records maintained by the United States Postal Service, utilizing electronic resources, etc. Affiant further attests that where it was not reasonably possible or practicable to identify all of mineral interest owners' identities or addresses, Applicant will provide notice by publication of a hearing scheduled pursuant to R.C. 1509.28.								
Heirship ID	Tract	Owner	Parcel	Address					
JD	5 13 35B 38	Tonia Platt Busby McNulty ("Mineral Owner"), Heir of Larry Joe Busby, Heir of Sandra Kai Blankinship-Busby, Heir of Virginia Faith Dallas Blankinship, Heir of Robert E. Dallas, Heir of Jasper J. Dallas and Mary M. Dallas	41-00086-000 41-00379-000 41-02289-000 41-02306-002	1535 West Thatcher Blvd., Lot #222		Safford	AZ 85546		
Date:	Comments:								
1/15/2017 - 10/10/2018	Research: Applicant reviewed documents of record in Jefferson County, Ohio (including Probate records) along with online resources, including US Census Records, Social Security Death Index, Ancestry, Familysearch, and Findagrave. Jasper J. Dallas and Mary M. Dallas were the original severance holders. Jasper J. Dallas died on 1/30/1932 in Jefferson County, Ohio. Probate Case #20106 (and Certificate of Transfer in DV 159/67) shows that he left his estate to his widow, Mary M. Dallas. Mary M. Dallas died in Idaho, with no documentation regarding the property recorded in Jefferson County, Ohio. Jasper and Mary Dallas had 8 children; Cyrus M. Dallas, John T. Dallas, Mabel (Dallas) Gates, Errett W. Dallas, Alma (Dallas) Johnson, Robert E. Dallas, Edgar Hayden Dallas, and Nelle E. (Dallas) Miller.								
1/15/2017 - 10/10/2018	Research: Robert E. Dallas died in San Francisco, CA on 7/14/1964. His surviving spouse, Thelma Dallas died in Tucson, AZ in 1974. Her heirs are Robert Hugh Dallas and Virginia Faith Dallas Blankinship. Virginia Faith Dallas Blankinship died in Tucson, AZ on 9/3/2009. Her heirs are Jon Daniel Blankinship and Sandra Kai Blankinship-Busby. Sandra died in Surprise, AZ on 6/25/2008. Her surviving spouse, Larry Joe Busby, died in Thatcher, AZ on 1/29/2015. His heirs are Tonia Platt Busby McNulty, Scott E. Busby, Deborah A. Wellard, Ellen R. Castellini, and Diana T. Houghton.								
11/30/2018	Research: The subject interest holder is rumored to be the widow and second spouse of and not the biological mother of Larry Busby's children. Applicant spoke at length with the stepchildren (leased) who provided the last known contact phone of (480) 529-xxxx and address area of Tucson, AZ, that they had for Tonia. Family dynamics weren't close between the adult children and Tonia who remarried and may have possibly divorced and remarried for a third time. A search of USApeoplesearch.com, intelius.com, Accurint.com as well as social media pages were searched with no viable contact information located.								
2/1/2018	Phone Call: The Applicant attempted contact to the phone number provided (480) 529-xxxx, the phone has been disconnected.								
2/6/2018	Phone Call: The Applicant placed calls to the adult stepchildren and leased heirs of Mineral Owner to gather any further contact information. The information provided was found to be no longer accurate.								
3/5/2019	Research: Applicant has used USApeoplesearch.com, intelius.com, Accurint.com as well as social media pages were searched with no viable contact information located.								
3/6/2019 - 8/19/2019	Research: Applicant continues searching the heirs, successors, and assigns of Jasper J. Dallas and Mary M. Dallas by performing title work, searching court records, reviewing marriage and birth records, death records, searching county auditor tax records, searching records maintained by the United States Postal Service, utilizing electronic resources, etc. Affiant further attests that where it was not reasonably possible or practicable to identify all of mineral interest owners' identities or addresses, Applicant will provide notice by publication of a hearing scheduled pursuant to R.C. 1509.28.								
10/8/2019	Research: Applicant scoured the internet and social media links and located a social media page for the subject Mineral Owner and sent a message.								
10/14/2019	Message: Mineral Owner responded to the social media message and advised that she would reach out to the Applicant via phone. Mineral Owner provided a phone number of (480) 529-xxxx.								
10/24/2019 - 10/25/2019	Phone Message: Mineral Owner has not reached out to the Applicant via phone. Applicant sent a text to (480) 529-xxxx (at the Mineral Owners request) to set up verbal communication. The Text went unanswered.								
10/28/2019	Phone Message: Mineral Owner has not reached out to the Applicant via phone. Applicant sent a text to (480) 529-xxxx (at the Mineral Owners request) to set up verbal communication. Applicant spoke to the Mineral Owner who has asked to receive a lease packet.								
6/25/2020	Mail: Applicant shipped a certified proposal via USPS tracking No. 70191640000030765791.								
6/26/2020	Phone Message: Applicant sent a text to (480) 529-xxxx (at the Mineral Owners request) to follow up in regard to the outstanding mineral interest.								

6/30/2020	Research: Applicant used the USPS tracking system to determine that the letter was delivered June 29th, 2020.						
7/5/2020	Message: Applicant sent a follow up message to the Mineral Owner through her social media account.						
Heirship ID	Tract	Owner	Parcel	Address			
JD	5 13 35B 38	Thelma Dallas ("Mineral Owner") , Heir of Edgar Hayden Dallas, Heir of Jasper J. Dallas and Mary M. Dallas	41-00086-000 41-00379-000 41-02289-000 41-02306-002	Undetermined	Undetermined	Undetermined	Undetermined
	Date:	Comments:					
	1/15/2017 - 10/10/2018	Research: Applicant reviewed documents of record in Jefferson County, Ohio (including Probate records) along with online resources, including US Census records, Social Security Death Index, Ancestry, Familysearch, and Findagrave. Jasper J. Dallas and Mary M. Dallas were the original severance holders. Jasper J. Dallas died on 1/30/1932 in Jefferson County, Ohio. Probate Case #20106 (and Certificate of Transfer in DV 159/67) shows that he left his estate to his widow, Mary M. Dallas. Mary M. Dallas died in Idaho, with no documentation regarding the property recorded in Jefferson County, Ohio. Jasper and Mary Dallas had 8 children; Cyrus M. Dallas, John T. Dallas, Mabel (Dallas) Gates, Errett W. Dallas, Alma (Dallas) Johnson, Robert E. Dallas, Edgar Hayden Dallas, and Nelle E. (Dallas) Miller.					
	1/15/2017 - 10/10/2018	Research: Edgar Hayden Dallas died in Toledo, OH on 7/25/1964. His heirs are Thelma Dallas and Hazel Dallas.					
	10/12/2018 - 11/30/2018	Research: Applicant has used USApeoplesearch.com, intelius.com, Accurint.com as well as social media pages were searched with no viable contact information located. The Applicant also spoke with every heir possible in regard to the subject heir and any information on said heir. It had been stated by several heirs that they were not aware that Edgar H. Dallas had children. It cannot be determined if the subject heir is still alive, or if she was ever married.					
	11/31/2018 - 7/2/2020	Research: Applicant continues searching the heirs, successors, and assigns of Jasper J. Dallas and Mary M. Dallas by performing title work, searching court records, reviewing marriage and birth records, death records, searching county auditor tax records, searching records maintained by the United States Postal Service, utilizing electronic resources, etc. Affiant further attests that where it was not reasonably possible or practicable to identify all of mineral interest owners' identities or addresses, Applicant will provide notice by publication of a hearing scheduled pursuant to R.C. 1509.28.					
Heirship ID	Tract	Owner	Parcel	Address			
JD	5 13 35B 38	Hazel Dallas ("Mineral Owner") , Heir of Edgar Hayden Dallas, Heir of Jasper J. Dallas and Mary M. Dallas	41-00086-000 41-00379-000 41-02289-000 41-02306-002	Undetermined	Undetermined	Undetermined	Undetermined
	Date:	Comments:					
	1/15/2017 - 10/10/2018	Research: Applicant reviewed documents of record in Jefferson County, Ohio (including Probate records) along with online resources, including US Census records, Social Security Death Index, Ancestry, Familysearch, and Findagrave. Jasper J. Dallas and Mary M. Dallas were the original severance holders. Jasper J. Dallas died on 1/30/1932 in Jefferson County, Ohio. Probate Case #20106 (and Certificate of Transfer in DV 159/67) shows that he left his estate to his widow, Mary M. Dallas. Mary M. Dallas died in Idaho, with no documentation regarding the property recorded in Jefferson County, Ohio. Jasper and Mary Dallas had 8 children; Cyrus M. Dallas, John T. Dallas, Mabel (Dallas) Gates, Errett W. Dallas, Alma (Dallas) Johnson, Robert E. Dallas, Edgar Hayden Dallas, and Nelle E. (Dallas) Miller.					
	1/15/2017 - 10/10/2018	Research: Edgar Hayden Dallas died in Toledo, OH on 7/25/1964. His heirs are Thelma Dallas and Hazel Dallas.					
	10/12/2018 - 11/30/2018	Research: Applicant has used USApeoplesearch.com, intelius.com, Accurint.com as well as social media pages were searched with no viable contact information located. The Applicant also spoke with every heir possible in regard to the subject heir and any information on said heir. It had been stated by several heirs that they were not aware that Edgar H. Dallas had children. It cannot be determined if the subject heir is still alive, or if she was ever married.					

11/31/2018 - 7/2/2020	Research: Applicant continues searching the heirs, successors, and assigns of Jasper J. Dallas and Mary M. Dallas by performing title work, searching court records, reviewing marriage and birth records, death records, searching county auditor tax records, searching records maintained by the United States Postal Service, utilizing electronic resources, etc. Affiant further attests that where it was not reasonably possible or practicable to identify all of mineral interest owners' identities or addresses, Applicant will provide notice by publication of a hearing scheduled pursuant to R.C. 1509.28.					
Heirship ID	Tract	Owner	Parcel	Address		
-	27	Virginia Holding Corporation, Attn: Ann S. Powell, Norfolk Southern Real Estate Department ("Mineral Owner")	41-01369-000	1200 Peachtree St. 12th Floor	Atlanta	GA 30309
Date:	Comments:					
4/24/2019	Applicant contacted Liza Gray Sparks at Norfolk Southern Corporation, the parent company of the Virginia Holding Corporation, regarding an amendment to an existing oil and gas lease between Applicant and Norfolk Southern Corporation that would add this parcel to the existing lease in exchange for additional consideration. Additional information was requested in order to confirm ownership and was provided by Applicant.					
4/29/2019	Liza Gray Sparks responded with the possibility that Norfolk Southern Corporation had sold the property. Applicant reiterated that any potential deed was not found of record and asked if Norfolk Southern could produce the deed.					
5/1/2019	Liza Gray Sparks responded, saying that the archives did not locate any copy of a deed divesting the parcel, at which point Applicant reiterated its desire to amend the existing oil and gas lease and requested additional information regarding the terms and procedures necessary to amend the lease.					
5/20/2019	Liza Gray Sparks left a voicemail with Applicant, which will be returned.					
7/8/2019	Applicant sent a follow-up email to Liza Gray Sparks reiterating interest in leasing subject property.					
9/11/2019	Applicant learned that Liza Gray Sparks is no longer with Norfolk Southern. Applicant reached out to Ann S. Powell to continue moving forward.					
10/14/2019	Applicant continued to discuss the lease with Ann Powell, working together to ensure the legal description and acreage are in agreement.					
6/4/2020	Applicant reached out to Ann Powell to re-engage leasing efforts for the parcel.					
6/10/2020	Applicant confirmed acreage to lease and extended current offer.					
6/16/2020	Ann Powell responded to offer and asserted that it would be transmitted to her director for review.					
Heirship ID	Tract	Owner	Parcel	Address		
-	28A 44 50 54 55	Wyoming Pocahontas Land Company fka Youghiogheny and Ohio Coal Company Attn: Sandra D. Freeburger ("Responsible Officer")	41-01446-000 41-02641-000 41-02679-000 41-02690-000 41-02692-000	101 First Street	Henderson	KY 42420
Date:	Comments:					
1/10/2019 - 4/16/2019	Research: Applicant reviewed documents of record in Jefferson County, Ohio and found that The Youghiogheny and Ohio Coal Company reserved the oil and gas to the tracts in the 1980s. A Certificate of Amendment filed with the Ohio Secretary of State shows the name change from Youghiogheny and Ohio Coal Company to Wyoming Pocahontas Land Company. Wyoming Pocahontas Land Company does not have good standing in Ohio. A Certificate of Surrender of Foreign License was found, dated January 1, 2003, whereby the Wyoming Pocahontas Land Company surrendered its license to transact business in Ohio, "pursuant to Court Order of the U.S. Bankruptcy Court. Sandra D. Freeburger was named as "Responsible Officer".					
4/17/2019	Phone Call: The Applicant contacted Sandra Freeburger, listed as "Responsible Officer" representing the Mineral Owner in bankruptcy proceedings. Ms. Freeburger was unable to provide specifics as to the status of the Wyoming Pocahontas Land Company.					
4/18/2019 - 8/1/2019	Research: A portion of the tracts were included in a lease of record in Jefferson County, dated 4/17/2018 in favor of Ascent Resources - Utica. That lease was later released of record in Jefferson County on 8/1/2019.					

8/1/2019 - 9/23/2019	Applicant reached out to Sandra Freeburger multiple times. On September 23, 2019, Applicant spoke to Ms. Freeburger to better understand the status of the subject properties unto the bankruptcy proceedings.						
6/15/2020	Applicant contacted the Mineral Owner's agent, Attorney Sandra Freeburger via secured communication link of the agent's firm.						
Heirship ID	Tract	Owner					
JU	43B	James Updegraff, his unknown successors, heirs and assigns ("Mineral Owner")	41-02590-000	Undetermined	Undetermined	Undetermined	Undetermined
Date:	Comments:						
1/24/2019 - 6/14/2019	Research: In 1815 James Updegraff received the acreage from which the tract is derived. Over the course of the next 30 years, James Updegraff out conveys this property in pieces. The last conveyance is in 1845. By deeds of record, some of these tracts were along a creek in Section 31. These pieces were deeded to the edge of the creek and not to the center of the creek, thus creating "residual acreage" that Jefferson County used to show as held by James Updegraff. In 2008, a man named James Updegraff (most likely an heir to the 1815 James Updegraff - but this cannot be confirmed through heirship) conveyed via Quit Claim Deed to Gary L. Wharton (present surface owner of 41-02590-000) a 3.270700-acre tract believed to be a "creek tract". After this conveyance in 2008, the "residual acreage" carried by Jefferson County disappears from all mapping. The problem here is, there is a 193-year gap in title. It cannot be confirmed that the 2008 James Updegraff is the sole holder of the 1815 James Updegraff's interest. An heirship is needed to determine the current heirs to James Updegraff's (1815) interest.						
1/24/2019 - 6/14/2019	Research: Applicant reviewed documents of record in Jefferson County, Ohio (including Probate records) along with online resources, including US Census Records, Social Security Death Index, Ancestry, Familysearch, and Findagrave. James Updegraff died testate on 11/1/1871 in Allegheny County, PA. No surviving spouse is referenced. His Will specifies certain monetary amounts to certain named children (Mrs. Ann Bay - daughter; Rebecca Hussey - daughter) and certain named children of his son Joseph (William Wirt Updegraff, Louisa Updegraff, Sarah Jane Updegraff, and Josephine Updegraff). "No bequest is made to any of my other children or grandchildren". However, there is no reference to any property in the Will, nor is there a rest and residue clause. As such, James Updegraff's interest would pass via Intestate Succession to all lineal heirs. All children of James Updegraff cannot be confirmed at this time. The interest has been left with James Updegraff, his unknown successors, heirs and assigns until further research verifies all lineal descendants.						
6/18/2019 - 6/19/2019	Research: Applicant reviewed documents of record in Jefferson County, Ohio (including Probate records) along with online resources, including US Census Records, Social Security Death Index, Ancestry, Familysearch, Findagrave, intelius.com and the Whitepages. A call was placed to the current day James Updegraff at (304) 242-XXXX, wherein the Applicant spoke to the wife, who claimed that she would have either James or his sister Cindy get in touch.						
6/20/2019 - 7/10/2019	Research: Applicant continues searching the heirs, successors, and assigns of James Updegraff by performing title work, searching court records, reviewing marriage and birth records, death records, searching county auditor tax records, searching records maintained by the United States Postal Service, utilizing electronic resources, etc. According to the deeds of record, James Updegraff was a resident of Monongahela, Virginia - Monongahela County is now in West Virginia, as West Virginia was a part of Virginia until 1864. There is no record of James Updegraff dying in Jefferson County Ohio. A James Updegraff found deceased in Pennsylvania in 1871 does not have any heirs residing in Jefferson County. There are 2 unknown children of James Updegraff – as noted on an 1820 Census showing 7 children and 2 adults living in the home. This is also suggested by his Will stating no provisions for his "other" children or grandchildren. Without further information, it is impossible to decipher which of the 2 James Updegraff men was the owner of the interest at the time.						
8/12/2019	Phone Call: Applicant placed a call to the number (304) 242-xxxx, to speak to James Updegraff (who Quit Claimed interest in 2008 to the surface owner), and again spoke to the James Updegraff's wife who stated that he was unavailable until after 6 pm, but that he had relayed the message and contact information of the Applicant to his sister "Cindy" Updegraff who was supposed to reach out to the Applicant with any information she had. The Grantor's wife will not provide "Cindy's" information, however stated she would call "Cindy" to see if she would reach out.						
8/13/2019 - 8/15/2019	Research: Applicant continues searching the heirs, successors, and assigns of James Updegraff by performing title work, searching court records, reviewing marriage and birth records, death records, searching county auditor tax records, searching records maintained by the United States Postal Service, utilizing electronic resources, etc.						
9/4/2019	Phone Call: Applicant placed a call to the Updegraff historian (614) 357-xxxx, and left a message to follow up with her in regard to the heirship documents that she was to provide for review.						
11/21/2019	Phone Call: Applicant placed a call to the Updegraff historian (614) 357-xxxx, (Jessica Updegraff) who advised that she will be emailing over their family tree documents in connection with the Updegraff line this week. This particular heir has again stated that she can make no connection with their line to this particular Updegraff, but will provide what she has in order to help.						

12/11/2019	Email: Applicant sent a reminder email to the Updegraff historian (Jesseupdegraff@xxxx) to follow up on the documents that she'd agreed to provide.						
5/21/2020	Email: Applicant sent a reminder email to the Updegraff historian (Jesseupdegraff@xxxx) in an attempt follow up on obtaining the documents that she'd agreed to provide						
6/2/2020	Phone Call: Applicant placed a call to the Updegraff historian (614) 357-xxxx, (Jessica Updegraff) and left a message.						
7/2/2020	Email: Applicant sent a reminder email to the Updegraff historian (Jesseupdegraff@xxxx) again requesting any of the documents pertaining to the Family history that she'd agreed to provide. Affiant further attests that where it was not reasonably possible or practicable to identify all of mineral interest owners' identities or addresses, Applicant will provide notice by publication of a hearing scheduled pursuant to R.C. 1509.28.						
Heirship ID	Tract	Owner	Parcel	Address			
-	58	Wheeling and Lake Erie Railway Company Attn: Jeff Davis, Manager of Real Estate ("Mineral Owner")	UNKNOWN	100 First St. SE	Brewster	OH	44613
Date:	Comments:						
3/29/2018	Mail: Applicant mailed out a letter with lease offer to Mineral Owner.						
4/12/2019	Phone Call: Applicant spoke with representative of Mineral Owner the Manager of Real Estate, requested tax cards and tax maps regarding the parcels for review.						
4/15/2019	Email: Applicant received request from Mineral Owner's representative for additional maps. Applicant requested valuation maps from Mineral Owner to determine exact acreage. Mineral Owner said those may only be provided for a fee of \$50. Applicant sends requested maps and check for valuation maps to representative of Mineral Owner.						
6/5/2019	Phone Call: Applicant spoke with representative of Mineral Owner the Manager of Real Estate, who requested title and ownership information generated by Applicant for review.						
6/6/2019	Email: Applicant shared title and ownership documentation with representative of Mineral Owner via email.						
6/24/2019	Email: Applicant received Mineral Owner's version of a requested lease form for approval with counteroffer.						
7/2/2019	Email: Applicant received notice of review of lease doc and requested several changes.						
7/2/2019	Phone Call: Applicant requested Word version of lease document to make suggested changes.						
7/3/2019	Email: Applicant received an email from the Manager of Real Estate for Mineral Owner indicating the receipt of Applicant's voicemail. Mineral Owner confirmed a version of the lease doc would be sent to Applicant the following Monday.						
7/11/2019	Email: Applicant again requested Word version of lease document from Mineral Owner to make suggested changes.						
7/11/2019	Email: Applicant received Word version of lease documents from Mineral Owner.						
7/12/2019	Email: Applicant received language clauses from Mineral Owner for all but one of the suggested changes and was advised last clause will require exact wording from Applicant.						
7/15/2019	Email: Applicant received notice from Mineral Owner's representative that they had approved a prior lease between Mineral Owner and Applicant covering other parcels for \$7500 and would like to approve a similar offer for a lease covering the subject parcels.						
7/22/2019	Email: Applicant emailed revised lease documents to Mineral Owner for review.						
7/29/2019	Email: Applicant received email from Mineral Owner refusing lease language changes and Mineral Owner delivered final lease with demands						
9/17/2019	Phone Call: Applicant placed a call to the Mineral Owner at (330) 767-xxxx and left a detailed message.						
9/18/2019	Phone Call: Applicant placed a call to the Mineral Owner at (330) 767-xxxx and left a detailed message.						
9/19/2019	Email: Applicant received an email from the Mineral Owner who reiterated that the Mineral Owner's legal department is refusing all lease language of the Applicant.						
6/4/2020	Email: Applicant reached out to Mineral Owner about leasing the property, including a reiteration of the previous lease negotiation regarding modification of lease language.						
6/9/2020	Email: Mineral Owner responded with additional information regarding lease language for Applicant's review.						
6/18/2020	Email: After review, Applicant responded to Mineral Owner with comments regarding its acceptance of some proposed changes and desire to amend others.						

	6/19/2020	Email: Mineral Owner acknowledged receipt and acceptance of comments, and sent an approved Memorandum of Oil and Gas Lease for Applicant's review.						
Heirship ID	Tract	Owner	Parcel	Address				
PKS	60 61 62	Peter K. Soffel, his unknown successors, heirs and assigns ("Mineral Owner")	41-00000-000 41-00000-000 41-00000-000	Undetermined	Undetermined	Undetermined	Undetermined	
	Date:	Comments:						
	5/3/2019 - 7/2/2020	Research: Applicant continues searching the heirs, successors, and assigns of Peter K. Soffel by performing title work, searching court records, reviewing marriage and birth records, death records, searching county auditor tax records, searching records maintained by the United States Postal Service, utilizing electronic resources, etc. Affiant further attests that where it was not reasonably possible or practicable to identify all of mineral interest owners' identities or addresses, Applicant will provide notice by publication of a hearing scheduled pursuant to R.C. 1509.28.						

TRACT #	Unique Identifier	Original Mineral Reserver
4, 13, 35B, 38	JD	Jasper Dallas
43B	JU	James Updegraff
60, 61, 62	PKS	Peter K. Soffel

EXHIBIT "ZM-2"
GULFPORT APPALACHIA, LLC
ANGELO UNIT
JEFFERSON COUNTY, OHIO
581.837 ACRES

MAP ID	PARCEL NUMBER	ACRES
1	41-00053-000	2.270
2	41-00054-000	4.806
3	41-00055-000	5.018
4	41-00067-000	7.165
5	41-00086-000	0.703
6	41-00093-000	6.529
7	41-00094-000	1.510
8	41-00143-000	59.333
9	41-00143-001	13.538
10	41-00143-002	3.588
11	41-01158-000	0.397
12	41-00378-000	6.540
13	41-00379-000	1.411
14	41-00380-000	0.755
15	41-00593-000	0.654
16	41-00595-000	0.049
17	41-00695-000	22.510
18	41-00695-001	0.305
19	41-00701-000	0.068
20	41-00756-000	1.673
21	41-00879-000	55.153
22	41-00918-000	43.971
23	41-00918-001	3.741
24A	41-00991-000	30.211
24B	41-00991-000	0.947
25	41-01190-000	0.998
26	41-01273-000	0.497
27	41-01369-000	1.227
28A	41-01446-000	0.118
28B	41-01446-000	0.205
29	41-02599-000	2.471
30	41-02157-000	0.288
31	41-02157-003	1.191
32	41-02169-000	6.583
33	41-02248-000	17.355
34	41-02269-000	3.373
35A	41-02289-000	42.591
35B	41-02289-000	2.333
36	41-02306-000	3.299
37A	41-02306-001	0.286
37B	41-02306-001	0.433
38	41-02306-002	0.344
39	41-02350-000	1.045
40	41-02535-000	1.045
41	41-02541-000	0.779
42	41-02579-000	0.243
43A	41-02590-000	61.579
43B	41-02590-000	0.007
44	41-02641-000	0.416
45	41-02671-000	1.033
46	41-02674-000	9.078
47	41-02674-001	3.000
48	41-02675-000	1.067
49	41-02676-000	21.095
50	41-02679-000	12.328
51	41-02682-000	3.642
52	41-02682-001	2.512
53	41-02682-006	15.319
54	41-02690-000	10.058
55	41-02692-000	10.668
56	41-02716-000	18.738
57	41-02759-000	5.364
58	UNKNOWN	24.553
59	41-02394-000	15.759
60	41-00000-000	3.599
61	41-00000-000	1.260
62	41-00000-000	1.213

**Jefferson
County**

**WARREN
Township**

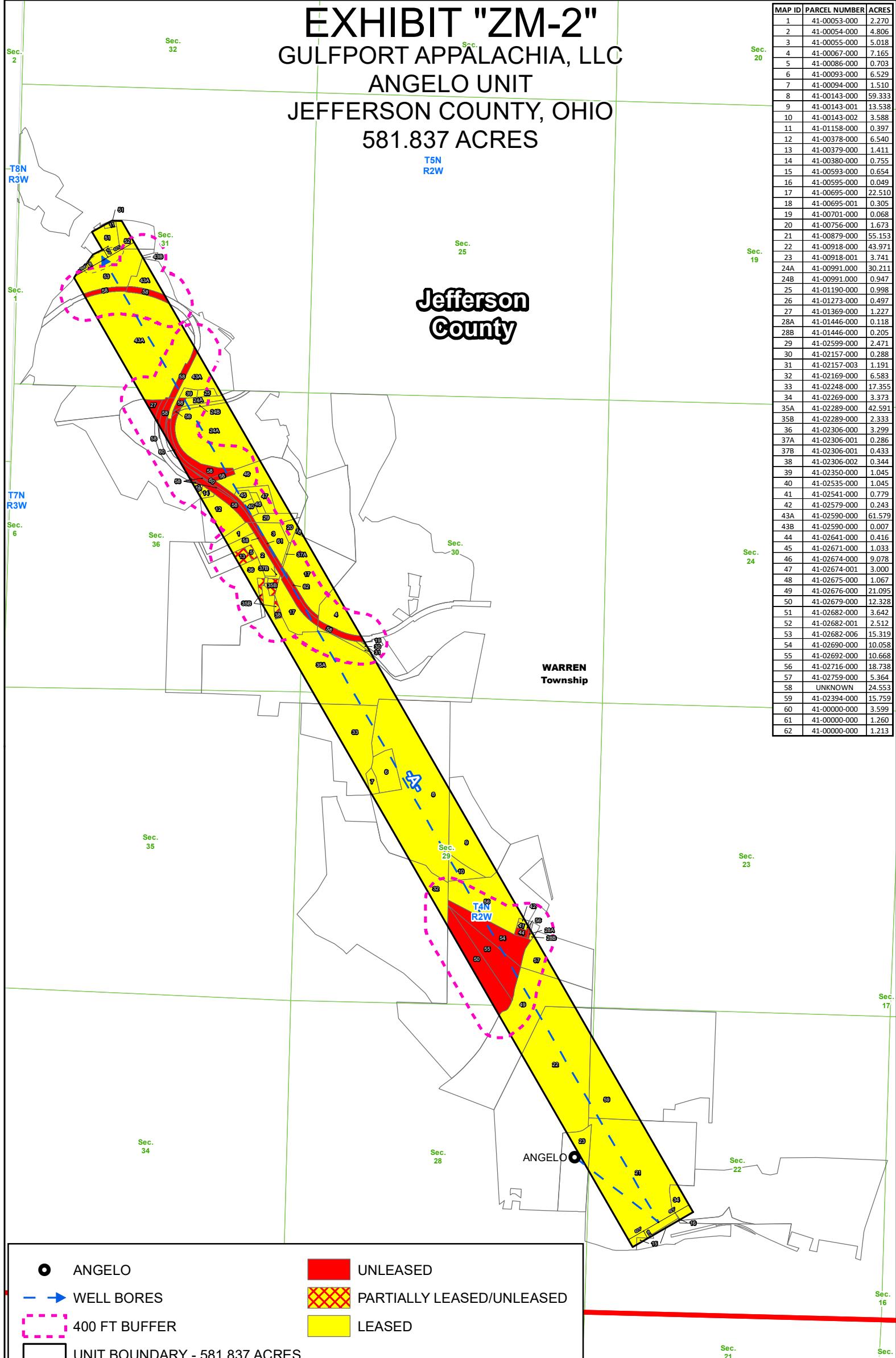


EXHIBIT "ZM-3"
GULFPORT APPALACHIA, LLC
ANGELO UNIT
JEFFERSON COUNTY, OHIO
581.837 ACRES

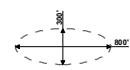
MAP ID	PARCEL NUMBER	ACRES
1	41-00053-000	2.270
2	41-00054-000	4.806
3	41-00055-000	5.018
4	41-00067-000	7.165
5	41-00086-000	0.703
6	41-00093-000	6.529
7	41-00094-000	1.510
8	41-00143-000	59.333
9	41-00143-001	13.538
10	41-00143-002	3.588
11	41-01158-000	0.397
12	41-00378-000	6.540
13	41-00379-000	1.411
14	41-00380-000	0.755
15	41-00593-000	0.654
16	41-00595-000	0.049
17	41-00695-000	22.510
18	41-00695-001	0.305
19	41-00701-000	0.068
20	41-00756-000	1.673
21	41-00879-000	55.153
22	41-00918-000	43.971
23	41-00918-001	3.741
24A	41-00991-000	30.211
24B	41-00991-000	0.947
25	41-01190-000	0.998
26	41-01273-000	0.497
27	41-01369-000	1.227
28A	41-01446-000	0.118
28B	41-01446-000	0.205
29	41-02599-000	2.471
30	41-02157-000	0.288
31	41-02157-003	1.191
32	41-02169-000	6.583
33	41-02248-000	17.355
34	41-02269-000	3.373
35A	41-02289-000	42.591
35B	41-02289-000	2.333
36	41-02306-000	3.299
37A	41-02306-001	0.286
37B	41-02306-001	0.433
38	41-02306-002	0.344
39	41-02350-000	1.045
40	41-02535-000	1.045
41	41-02541-000	0.779
42	41-02579-000	0.243
43A	41-02590-000	61.579
43B	41-02590-000	0.007
44	41-02641-000	0.416
45	41-02671-000	1.033
46	41-02674-000	9.078
47	41-02674-001	3.000
48	41-02675-000	1.067
49	41-02676-000	21.095
50	41-02679-000	12.328
51	41-02682-000	3.642
52	41-02682-001	2.512
53	41-02682-006	15.319
54	41-02690-000	10.058
55	41-02692-000	10.668
56	41-02716-000	18.738
57	41-02759-000	5.364
58	UNKNOWN	24.553
59	41-02394-000	15.759
60	41-00000-000	3.599
61	41-00000-000	1.260
62	41-00000-000	1.213

**Jefferson
County**

**WARREN
Township**

- ANGELO
- UNIT BOUNDARY - 581.837 ACRES
- WELL BORES
- UNLEASED
- 400 FT BUFFER
- ☒ PARTIALLY LEASED/UNLEASED

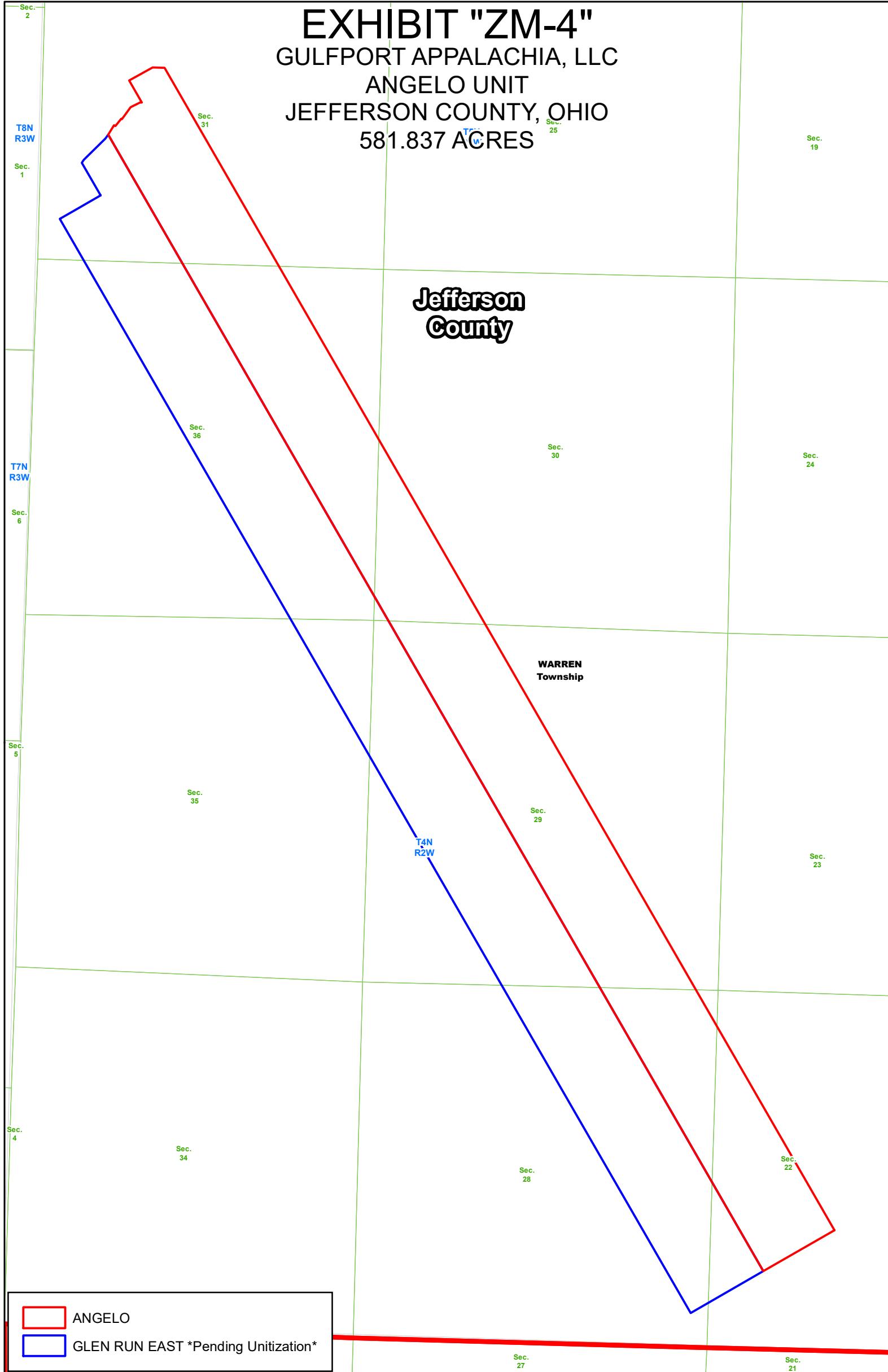
1 in = 1,950 ft



**ANGELO
WARREN TOWNSHIP
JEFFERSON COUNTY, OHIO**

Last Updated: July 2, 2020
Version 1

EXHIBIT "ZM-4"
GULFPORT APPALACHIA, LLC
ANGELO UNIT
JEFFERSON COUNTY, OHIO
581.837 ACRES



STATE OF OHIO
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL AND GAS RESOURCES MANAGEMENT

In re the Matter of the Application of
Gulfport Appalachia, LLC, for
Unit Operation

Application Date: July 13, 2020

Angelo Unit

AFFIDAVIT OF FACT

STATE OF OKLAHOMA)
) SS
COUNTY OF OKLAHOMA)

The undersigned, being first duly sworn according to the law, makes this Affidavit and deposes and says that:

1. Affiant, Zac McCoy, is employed by Gulfport Appalachia, LLC ("Gulfport") as a Division Landman. Affiant's job responsibilities include negotiating acreage trade agreements with other operators throughout the State of Ohio. Affiant has personal knowledge of the matters set forth in this affidavit, and the following information is true to the best of Affiant's knowledge and belief.
2. The Affidavit states that on or around November 25, 2019 Ascent Resources – Utica, LLC ("ARU"), and Gulfport Appalachia, LLC ("Gulfport") executed a Lease Exchange Agreement ("ARU Exchange Agreement").
3. The Affiant states that Tract(s) 8, 9, 10, 17, 24A, 25, 39, and 51, ("ARU Tracts"), as referenced in the Angelo Unitization Application, are subject to the ARU Exchange Agreement.
4. The Affiant further states that the ARU Exchange Agreement grants Gulfport the authorization to drill and develop the ARU Tracts and further that when a unitization application is deemed necessary, Gulfport shall have the authority to execute all necessary documents associated with the unitization application and subsequent unitization order on behalf of both Parties' oil and gas interest within the unitized area (here, the ARU Tracts).
5. Pursuant to its rights under the Exchange Agreement, Gulfport has the necessary rights to commit the respective interest of the ARU Tract(s) to the Angelo Unitization Application.

Further Affiant sayeth naught.

Dated this 8th day of July, 2020.


Zac McCoy, Affiant
Division Landman
Gulfport Appalachia, LLC

ACKNOWLEDGEMENT

STATE OF OKLAHOMA)
)
COUNTY OF OKLAHOMA) SS
)

The foregoing instrument was sworn to before me, a Notary Public in and for the State of Oklahoma, and subscribed in my presence this 8th day of July, 2020, by Zac McCoy, known to me or satisfactorily proven to be the Affiant in the foregoing instrument, who acknowledged the above statements to be true as Affiant verily believes.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.

My Commission Expires:

08/14/21

(S E A L)



Kristin Gilliam

Notary Public

Kristin Gilliam

Printed Name of Notary

STATE OF OHIO
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL AND GAS RESOURCES MANAGEMENT

In re the Matter of the Application of :
Gulfport Appalachia, LLC, for :
Unit Operation : Application Date: July 13, 2020
: :
Angelo Unit : :

AFFIDAVIT OF OWNERSHIP

STATE OF OKLAHOMA)
) SS
COUNTY OF OKLAHOMA)

The undersigned, being first duly sworn according to the law, makes this Affidavit and deposes and says that:

1. Affiant, Zac McCoy, is employed by Gulfport Appalachia, LLC ("Gulfport") as a Division Landman. Affiant's job responsibilities include negotiating acreage trade agreements with other operators throughout the state of Ohio. Affiant has personal knowledge of the matters set forth in this affidavit, and the following information is true to the best of Affiant's knowledge and belief.
2. Pursuant to Ohio Revised Code §1509.28, Gulfport is filing herewith an application with the Chief of the Division of Oil and Gas Resources Management requesting an order authorizing the Applicant to operate the Unitized Formation and applicable land area, identified as the Angelo Unit, according to the Unit Plan attached thereto (the "Application") (as those terms are used and defined therein). The Angelo Unit is located in Jefferson County, Ohio and consists of approximately sixty-two (62) separate tracts of land covering approximately 581.837 acres.
3. As of the Application Date set forth above, the Applicant is the owner, as that term is defined in Ohio Revised Code §1509.01(K), or at least 65% of the land overlying the Unitized Formation that is the subject of the unitization request set forth in the Application.

Further Affiant sayeth naught.

Dated this 8th day of July, 2020.



Zac McCoy, Affiant
Division Landman
Gulfport Appalachia, LLC

ACKNOWLEDGEMENT

STATE OF OKLAHOMA)
)
COUNTY OF OKLAHOMA) SS
)

The foregoing instrument was sworn to before me, a Notary Public in and for the State of Oklahoma, and subscribed in my presence this 8th day of July, 2020, by Zac McCoy, known to me or satisfactorily proven to be the Affiant in the foregoing instrument, who acknowledged the above statements to be true as Affiant verily believes.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.

My Commission Expires:

08/14/21

(S E A L)



Kristin Gilliam

Notary Public

Kristin Gilliam

Printed Name of Notary

STATE OF OHIO
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL AND GAS RESOURCES MANAGEMENT

In re the Matter of the Application of :
Gulfport Appalachia, LLC, for Unit :
Operation : Application Date: July 13, 2020
:
:
Angelo Unit

DUE DILIGENCE AFFIDAVIT

I, Zac McCoy, being first duly sworn and cautioned, affirm and state as follows:

1. Affiant is competent to testify on the matters contained in this affidavit.
2. Affiant, Zac McCoy is employed at Gulfport Appalachia, LLC (“Gulfport”) as a Division Landman and job responsibilities include the acquisition of leases in certain areas of Ohio, including Jefferson County, Ohio.
3. Affiant has the authority to sign this Affidavit on behalf of Gulfport.
4. Pursuant to Ohio Revised Code § 1509.28, Gulfport has filed an application with the Chief of the Division of Oil and Gas Resources Management (“DOGRM”) requesting an order authorizing Gulfport to operate the Unitized Formation and applicable land area, identified as the Angelo (“Application”). The Angelo is located in Jefferson County, Ohio, and as a unit of an entire pool or part thereof consists of 62 separate tracts of land covering approximately 581.837 acres.
5. As a function of Affiant’s job duties, Affiant, or persons under Affiant’s direction or supervision, has personal knowledge of the matters set forth in this affidavit. Further, Affiant, or persons under Affiant’s direction or supervision, has reviewed all documents which reflect Gulfport’s efforts to identify and locate mineral interest owners within the proposed unit.
6. Affiant attests that Gulfport exercised reasonable due diligence to identify all mineral interest owners within the proposed unit and ascertain their current addresses prior to filing its application with DOGRM. These efforts included performing title work, court records, reviewing marriage and birth records, death records, searching county auditor tax records, searching records maintained by the United States Postal Service, utilizing electronic resources, etc. Affiant further attests that where it was not reasonably possible or practicable to identify all of mineral interest owners’ identities or addresses, Gulfport will provide notice by publication of a hearing scheduled pursuant to R.C. 1509.28.
7. Affiant further attests that, to the best of its knowledge and belief, the names and addresses of mineral interest owners it provided to DOGRM were accurate at the time Affiant filed its Application thereto with DOGRM.
8. Affiant understands that the DOGRM is relying on the statements and representations contained in this Affidavit to verify that Gulfport has acted using ordinary standards of due diligence to identify and locate mineral interest owners for tracts contained within the proposed unit. Further, Gulfport understands DOGRM expects Gulfport to provide to DOGRM updated mineral interest owners information, if any, as soon as is practicable, and understands that updated information may result in a new or rescheduled unitization hearing.
9. Nothing in this Affidavit shall constitute a waiver of right in law or equity by the DOGRM or Gulfport.
10. Affiant states that the above statements are true and accurate to the best of Affiant’s knowledge and belief.

FURTHER AFFLIANT SAYETH NAUGHT.

GULFPORT APPALACHIA, LLC

By:

Zac McCoy

STATE OF OKLAHOMA)
)ss:
COUNTY OF OKLAHOMA)

Sworn to and subscribed before me this 8th day of July, 2020, by Zac McCoy.

Kristin Gilliam
Notary Public

My commission expires:



WORKING INTEREST OWNER
APPROVAL OF
UNIT PLAN FOR THE
ANGELO UNIT
WARREN TOWNSHIP
JEFFERSON COUNTY, OHIO

KNOW ALL MEN BY THESE PRESENTS:

WHEREAS, a Unit Plan has been prepared for the testing, development, and operation of certain Tracts identified therein, which Plan consists of an agreement entitled, "Unit Agreement, The Angelo Unit, Warren Township, Jefferson County, Ohio" (the "Unit Agreement"); and an agreement entitled "A.A.P.L. Form 610-1982 Model Form Operating Agreement," also regarding the Angelo Unit (the "Unit Operating Agreement"); and,

WHEREAS, the undersigned is the owner of a Working Interest in and to one or more of the Tracts identified in said Unit Plan and does file this approval on behalf of a portion of the Working Interest controlled by Gulfport and Ascent Resources - Utica, LLC relating to the Tracts described below (hereinafter, the "Owner").

NOW, THEREFORE, the Owner hereby approves the Unit Plan and acknowledges receipt of full and true copies of both the Unit Agreement and Unit Operating Agreement.

IN WITNESS WHEREOF, the undersigned has executed this instrument on the date set forth opposite the signature of its representative.

WORKING INTEREST OWNER

Portions to TRACT NO. (see attached Exhibit 6.1)

TRACT ACREAGE: 513.97845871

RELATED WORKING INTEREST PERCENTAGE: 88.33719043%

GULFPORT APPALACHIA, LLC

By: 
Zac McCoy

Date: July 13, 2020

EXHIBIT "6.1"

TRACT NUMBER	LESSOR/OWNER	SURFACE ACRES IN UNIT	TRACT PARTICIPATION	TAX MAP PARCEL ID NUMBERS
1	Gulfport Appalachia, LLC Attn: Bill Eischeid	2.27000000	0.39014363%	41-00053-000
2	Gulfport Appalachia, LLC Attn: Bill Eischeid	4.80600000	0.82600453%	41-00054-000
3	Gulfport Appalachia, LLC Attn: Bill Eischeid	5.01800000	0.86244086%	41-00055-000
4	Gary R. Watt and Susanne Watt, husband and wife	7.16500000	1.23144455%	41-00067-000
5	Mary D. Babcock, a single woman	0.00627679	0.00107879%	41-00086-000
5	Norman W. Dallas, Jr., and Linda F. Dallas, husband and wife	0.00418452	0.00071919%	41-00086-000
5	Janet E. Yocum and Phillip L. Yocum, wife and husband	0.00418452	0.00071919%	41-00086-000
5	Charles W. Buckley Jr. and Cheryl Ann Buckley, husband and wife	0.01255357	0.00215758%	41-00086-000
5	Gulfport Appalachia, LLC Attn: Bill Eischeid	0.00627679	0.00107879%	41-00086-000
5	David H. Boston and Lori L. Boston, husband and wife	0.00627679	0.00107879%	41-00086-000
5	Doris E. Calkins, a widowed woman	0.00274609	0.00047197%	41-00086-000
5	Lois I. Ronish and Robert R. Ronish, wife and husband	0.00274609	0.00047197%	41-00086-000
5	Helen L. Bumgarner, a widowed woman	0.00274609	0.00047197%	41-00086-000
5	Carol A. Palmer and Leland Brooks Palmer, wife and husband	0.00274609	0.00047197%	41-00086-000
5	Everett L. Grout and Sharon L. Grout, husband and wife	0.00219688	0.00037758%	41-00086-000
5	David C. Grout and Melinda K. Grout, husband and wife	0.00219688	0.00037758%	41-00086-000
5	Lois M. Giles and Stephen B. Giles, wife and husband	0.00219688	0.00037758%	41-00086-000
5	Donna E. Grout, a single woman	0.00219688	0.00037758%	41-00086-000
5	Phillip J. Harvey, a widowed man	0.00219688	0.00037758%	41-00086-000
5	Janet K. Kranz and William A. Kranz, wife and husband	0.00156920	0.00026970%	41-00086-000
5	Frances A. Yett and Danny R. Yett, wife and husband	0.00078460	0.00013485%	41-00086-000
5	Robert Earl Baumann and Stephanie Baumann, husband and wife	0.00078460	0.00013485%	41-00086-000
5	Geraldine A. Thomas and Robert Thomas, wife and husband	0.00156920	0.00026970%	41-00086-000
5	Thomas G. Dallas and Laurie E. Dallas, husband and wife	0.00156920	0.00026970%	41-00086-000
5	Edna J. Everett, a widowed woman	0.00156920	0.00026970%	41-00086-000
5	John L. Dallas, a single man	0.00156920	0.00026970%	41-00086-000
5	Deborah M. Albert and Allan R. Albert, wife and husband	0.00156920	0.00026970%	41-00086-000
5	James K. Cavallaro and Elizabeth S. Cavallaro, husband and wife	0.00274609	0.00047197%	41-00086-000
5	Karen S. Marasco and Charles M. Marasco, wife and husband	0.00274609	0.00047197%	41-00086-000
5	Dean R. Dallas and Elizabeth A. Dallas, husband and wife	0.00274609	0.00047197%	41-00086-000
5	Donald L. Dallas and Denise L. Storer Dallas, husband and wife	0.00274609	0.00047197%	41-00086-000
5	Kay Marie Dallas Jewell aka Kay Dallas Jewell, a single woman	0.00274609	0.00047197%	41-00086-000
5	The Dallas Family Trust, dated October 15th, 2016 Attn: Craig T. Dallas and Mary J. Dallas, Trustees	0.00274609	0.00047197%	41-00086-000
5	Jerry L. Dallas and Marsha A. Dallas, husband and wife	0.00274609	0.00047197%	41-00086-000
5	Rodger W. Dallas and Holly I. Dallas, husband and wife	0.00274609	0.00047197%	41-00086-000
5	Wayne E. Dallas and Jeanette M. Dallas, husband and wife	0.00274609	0.00047197%	41-00086-000
5	James K. Dallas and Janet D. Dallas, husband and wife	0.00274609	0.00047197%	41-00086-000
5	Douglas M. Harlan, a widowed man	0.00099858	0.00017163%	41-00086-000
5	James R. Harlan, a single man	0.00099858	0.00017163%	41-00086-000
5	John L. Harlan, a single man	0.00099858	0.00017163%	41-00086-000
5	Thomas L. Harlan and Rebecca L. Harlan, husband and wife	0.00099858	0.00017163%	41-00086-000
5	Susan K. Skidmore and Stuart Skidmore, wife and husband	0.00011095	0.00001907%	41-00086-000
5	Catherine L. Strickling, a single woman	0.00011095	0.00001907%	41-00086-000
5	Bonnie Jean Crawford, a single woman	0.00011095	0.00001907%	41-00086-000
5	Lynn Arie Murry aka Lynn Marie Murray and Gregory Murray, wife and husband	0.00011095	0.00001907%	41-00086-000
5	Martha Ann Washington and Ricky Washington, wife and husband	0.00011095	0.00001907%	41-00086-000
5	Richard S. Casteel, a single man	0.00011095	0.00001907%	41-00086-000
5	Deborah K. Mullins, a single woman	0.00011095	0.00001907%	41-00086-000
5	Marie L. Schruhl and Daryl Schruhl, wife and husband	0.00011095	0.00001907%	41-00086-000
5	Donald R. Casteel and Linda Casteel, husband and wife	0.00011095	0.00001907%	41-00086-000

EXHIBIT "6.1"

TRACT NUMBER	LESSOR/OWNER	SURFACE ACRES IN UNIT	TRACT PARTICIPATION	TAX MAP PARCEL ID NUMBERS
5	Diana Millsap, a widowed woman	0.00099858	0.00017163%	41-00086-000
5	Linda L. Watry and William E. Watry, wife and husband	0.00099858	0.00017163%	41-00086-000
5	Marion S. Kennedy aka Marian S. Kennedy, a widowed woman	0.00099858	0.00017163%	41-00086-000
5	Ralph R. Edenholm, a single man	0.00033286	0.00005721%	41-00086-000
5	Cory E. Snider and Ryoko Snider, husband and wife	0.00022191	0.00003814%	41-00086-000
5	Michelle L. Cox and C. Nathan Cox, wife and husband	0.00022191	0.00003814%	41-00086-000
5	Renae K. Snider, a single woman	0.00022191	0.00003814%	41-00086-000
5	Jeanne Halper, a single woman	0.00099858	0.00017163%	41-00086-000
5	Cynthia L. Harlan, a single woman	0.00099858	0.00017163%	41-00086-000
5	Walton M. Dallas Jr. Living Trust, dated January 17th, 2012 Attn: Walton M. Dallas, Jr., Trustee	0.02196875	0.00377576%	41-00086-000
5	Joanne E. Dallas, a single woman	0.02196875	0.00377576%	41-00086-000
5	Sandra Sue Dallas, a single woman	0.01464583	0.00251717%	41-00086-000
5	JaDene S. Jones and Jeffrey D. Jones, wife and husband	0.00732292	0.00125859%	41-00086-000
5	Elaine S. Dallas, a widowed woman	0.01464583	0.00251717%	41-00086-000
5	Marvin A. Johnson and Joyce A. Johnson, husband and wife	0.00366146	0.00062929%	41-00086-000
5	Carol L. Grover, a single woman	0.00366146	0.00062929%	41-00086-000
5	Kim A. Kamin and David Kamin, wife and husband	0.00366146	0.00062929%	41-00086-000
5	Thomas J. Michie Jr., a single man, by and through his Attorney-in-Fact, George R. Michie	0.00366146	0.00062929%	41-00086-000
5	Karen E. Braaten and Claude T. Braaten, wife and husband	0.00732292	0.00125859%	41-00086-000
5	Mary A. Barnhardt, a widow and not remarried	0.00366146	0.00062929%	41-00086-000
5	David L Mapes and Pamela J. Mapes, husband and wife	0.00366146	0.00062929%	41-00086-000
5	Donna M. Werner, a widow and not remarried	0.00366146	0.00062929%	41-00086-000
5	Pamela Blankinship, a widowed woman	0.02196875	0.00377576%	41-00086-000
5	Scott E. Busby, a single man	0.00366146	0.00062929%	41-00086-000
5	Deborah A. Wellard and Thomas T. Wellard, wife and husband	0.00366146	0.00062929%	41-00086-000
5	Ellen R. Castellini and Robert Castellini, wife and husband	0.00366146	0.00062929%	41-00086-000
5	Diana T. Houghton and Michael Houghton, wife and husband	0.00366146	0.00062929%	41-00086-000
5	Charlene M. Shephard and Mark A. Shephard, wife and husband	0.08787500	0.01510303%	41-00086-000
6	Nelson Wiggins and Linda Wiggins, husband and wife	6.52900000	1.12213558%	41-00093-000
7	Albert L. Benedetti and Julia A. Benedetti, husband and wife, for their joint lives, remainder to the survivor of them	1.51000000	0.25952286%	41-00094-000
8	John M. Furry, Jr. and Brenda K. Furry, husband and wife	29.66650000	5.09876477%	41-00143-000
8	Heritage Resources – Utica Minerals, LLC Attn: Kristen Rogstad	29.66650000	5.09876477%	41-00143-000
9	John M. Furry, Jr. and Brenda K. Furry, husband and wife	6.76900000	1.16338425%	41-00143-001
9	Heritage Resources – Utica Minerals, LLC Attn: Kristen Rogstad	6.76900000	1.16338425%	41-00143-001
10	John M. Furry, Jr. and Brenda K. Furry, husband and wife	1.79400000	0.30833378%	41-00143-002
10	Heritage Resources – Utica Minerals, LLC Attn: Kristen Rogstad	1.79400000	0.30833378%	41-00143-002
11	David M. Banal and Terri Lynn Banal a/k/a Terri L. Banal, for their joint lives, remainder to the survivor of them	0.39700000	0.06823217%	41-01158-000
12	Michele L. Nemeth and Gregory L. Nemeth aka Greg Nemeth, wife and husband	6.54000000	1.12402614%	41-00378-000
13	Mary D. Babcock, a single woman	0.01259821	0.00216525%	41-00379-000
13	Norman W. Dallas, Jr., and Linda F. Dallas, husband and wife	0.00839881	0.00144350%	41-00379-000
13	Janet E. Yocom and Phillip L. Yocom, wife and husband	0.00839881	0.00144350%	41-00379-000
13	Charles W. Buckley Jr. and Cheryl Ann Buckley, husband and wife	0.02519643	0.00433050%	41-00379-000
13	Gulfport Appalachia, LLC Attn: Bill Eischeid	0.01259821	0.00216525%	41-00379-000
13	David H. Boston and Lori L. Boston, husband and wife	0.01259821	0.00216525%	41-00379-000
13	Doris E. Calkins, a widowed woman	0.00551172	0.00094730%	41-00379-000
13	Lois I. Ronish and Robert R. Ronish, wife and husband	0.00551172	0.00094730%	41-00379-000
13	Helen L. Bumgarner, a widowed woman	0.00551172	0.00094730%	41-00379-000
13	Carol A. Palmer and Leland Brooks Palmer, wife and husband	0.00551172	0.00094730%	41-00379-000
13	Everett L. Grout and Sharon L. Grout, husband and wife	0.00440938	0.00075784%	41-00379-000

EXHIBIT "6.1"

TRACT NUMBER	LESSOR/OWNER	SURFACE ACRES IN UNIT	TRACT PARTICIPATION	TAX MAP PARCEL ID NUMBERS
13	David C. Grout and Melinda K. Grout, husband and wife	0.00440938	0.00075784%	41-00379-000
13	Lois M. Giles and Stephen B. Giles, wife and husband	0.00440938	0.00075784%	41-00379-000
13	Donna E. Grout, a single woman	0.00440938	0.00075784%	41-00379-000
13	Phillip J. Harvey, a widowed man	0.00440938	0.00075784%	41-00379-000
13	Janet K. Kranz and William A. Kranz, wife and husband	0.00314955	0.00054131%	41-00379-000
13	Frances A. Yett and Danny R. Yett, wife and husband	0.00157478	0.00027066%	41-00379-000
13	Robert Earl Baumann and Stephanie Baumann, husband and wife	0.00157478	0.00027066%	41-00379-000
13	Geraldine A. Thomas and Robert Thomas, wife and husband	0.00314955	0.00054131%	41-00379-000
13	Thomas G. Dallas and Laurie E. Dallas, husband and wife	0.00314955	0.00054131%	41-00379-000
13	Edna J. Everett, a widowed woman	0.00314955	0.00054131%	41-00379-000
13	John L. Dallas, a single man	0.00314955	0.00054131%	41-00379-000
13	Deborah M. Albert and Allan R. Albert, wife and husband	0.00314955	0.00054131%	41-00379-000
13	James K. Cavallaro and Elizabeth S. Cavallaro, husband and wife	0.00551172	0.00094730%	41-00379-000
13	Karen S. Marasco and Charles M. Marasco, wife and husband	0.00551172	0.00094730%	41-00379-000
13	Dean R. Dallas and Elizabeth A. Dallas, husband and wife	0.00551172	0.00094730%	41-00379-000
13	Donald L. Dallas and Denise L. Storer Dallas, husband and wife	0.00551172	0.00094730%	41-00379-000
13	Kay Marie Dallas Jewell aka Kay Dallas Jewell, a single woman	0.00551172	0.00094730%	41-00379-000
13	The Dallas Family Trust, dated October 15th, 2016 Attn: Craig T. Dallas and Mary J. Dallas, Trustees	0.00551172	0.00094730%	41-00379-000
13	Jerry L. Dallas and Marsha A. Dallas, husband and wife	0.00551172	0.00094730%	41-00379-000
13	Rodger W. Dallas and Holly I. Dallas, husband and wife	0.00551172	0.00094730%	41-00379-000
13	Wayne E. Dallas and Jeanette M. Dallas, husband and wife	0.00551172	0.00094730%	41-00379-000
13	James K. Dallas and Janet D. Dallas, husband and wife	0.00551172	0.00094730%	41-00379-000
13	Douglas M. Harlan, a widowed man	0.00200426	0.00034447%	41-00379-000
13	James R. Harlan, a single man	0.00200426	0.00034447%	41-00379-000
13	John L. Harlan, a single man	0.00200426	0.00034447%	41-00379-000
13	Thomas L. Harlan and Rebecca L. Harlan, husband and wife	0.00200426	0.00034447%	41-00379-000
13	Susan K. Skidmore and Stuart Skidmore, wife and husband	0.00022270	0.00003827%	41-00379-000
13	Catherine L. Strickling, a single woman	0.00022270	0.00003827%	41-00379-000
13	Bonnie Jean Crawford, a single woman	0.00022270	0.00003827%	41-00379-000
13	Lynn Arie Murry aka Lynn Marie Murray and Gregory Murray, wife and husband	0.00022270	0.00003827%	41-00379-000
13	Martha Ann Washington and Ricky Washington, wife and husband	0.00022270	0.00003827%	41-00379-000
13	Richard S. Casteel, a single man	0.00022270	0.00003827%	41-00379-000
13	Deborah K. Mullins, a single woman	0.00022270	0.00003827%	41-00379-000
13	Marie L. Schruhl and Daryl Schruhl, wife and husband	0.00022270	0.00003827%	41-00379-000
13	Donald R. Casteel and Linda Casteel, husband and wife	0.00022270	0.00003827%	41-00379-000
13	Diana Millsap, a widowed woman	0.00200426	0.00034447%	41-00379-000
13	Linda L. Watry and William E. Watry, wife and husband	0.00200426	0.00034447%	41-00379-000
13	Marion S. Kennedy aka Marian S. Kennedy, a widowed woman	0.00200426	0.00034447%	41-00379-000
13	Ralph R. Edenholm, a single man	0.00066809	0.00011482%	41-00379-000
13	Cory E. Snider and Ryoko Snider, husband and wife	0.00044539	0.00007655%	41-00379-000
13	Michelle L. Cox and C. Nathan Cox, wife and husband	0.00044539	0.00007655%	41-00379-000
13	Renae K. Snider, a single woman	0.00044539	0.00007655%	41-00379-000
13	Jeanne Halper, a single woman	0.00200426	0.00034447%	41-00379-000
13	Cynthia L. Harlan, a single woman	0.00200426	0.00034447%	41-00379-000
13	Walton M. Dallas Jr. Living Trust, dated January 17th, 2012 Attn: Walton M. Dallas, Jr., Trustee	0.04409375	0.00757837%	41-00379-000
13	Joanne E. Dallas, a single woman	0.04409375	0.00757837%	41-00379-000
13	Sandra Sue Dallas, a single woman	0.02939583	0.00505225%	41-00379-000
13	JaDene S. Jones and Jeffrey D. Jones, wife and husband	0.01469792	0.00252612%	41-00379-000
13	Elaine S. Dallas, a widowed woman	0.02939583	0.00505225%	41-00379-000
13	Marvin A. Johnson and Joyce A. Johnson, husband and wife	0.00734896	0.00126306%	41-00379-000
13	Carol L. Grover, a single woman	0.00734896	0.00126306%	41-00379-000

EXHIBIT "6.1"

TRACT NUMBER	LESSOR/OWNER	SURFACE ACRES IN UNIT	TRACT PARTICIPATION	TAX MAP PARCEL ID NUMBERS
13	Kim A. Kamin and David Kamin, wife and husband	0.00734896	0.00126306%	41-00379-000
13	Thomas J. Michie Jr., a single man, by and through his Attorney-in-Fact, George R. Michie	0.00734896	0.00126306%	41-00379-000
13	Karen E. Braaten and Claude T. Braaten, wife and husband	0.01469792	0.00252612%	41-00379-000
13	Mary A. Barnhardt, a widow and not remarried	0.00734896	0.00126306%	41-00379-000
13	David L Mapes and Pamela J. Mapes, husband and wife	0.00734896	0.00126306%	41-00379-000
13	Donna M. Werner, a widow and not remarried	0.00734896	0.00126306%	41-00379-000
13	Pamela Blankinship, a widowed woman	0.04409375	0.00757837%	41-00379-000
13	Scott E. Busby, a single man	0.00734896	0.00126306%	41-00379-000
13	Deborah A. Wellard and Thomas T. Wellard, wife and husband	0.00734896	0.00126306%	41-00379-000
13	Ellen R. Castellini and Robert Castellini, wife and husband	0.00734896	0.00126306%	41-00379-000
13	Diana T. Houghton and Michael Houghton, wife and husband	0.00734896	0.00126306%	41-00379-000
13	Charlene M. Shephard and Mark A. Shephard, wife and husband	0.17637500	0.03031347%	41-00379-000
14	Michele L. Nemeth and Gregory L. Nemeth aka Greg Nemeth, wife and husband	0.75500000	0.12976143%	41-00380-000
15	Kurt Kemo, a single man	0.32700000	0.05620131%	41-00593-000
15	Harry Nelson Crichton and Mary Beth Crichton, husband and wife	0.32700000	0.05620131%	41-00593-000
16	Mary Beth Crichton	0.02450000	0.00421080%	41-00595-000
16	Kurt Kemo, a single man	0.02450000	0.00421080%	41-00595-000
17	Corey A. Petrosino and Beth Ann Petrosino, husband and wife	22.51000000	3.86878112%	41-00695-000
18	Raymond Hewitt and Judith Hewitt, husband and wife	0.30500000	0.05242018%	41-00695-001
19	Derek R. Baker, a single man	0.06800000	0.01168712%	41-00701-000
20	Frank T. Litva, a single man	1.67300000	0.28753757%	41-00756-000
21	Angelo L. DiLuzio, Trustee	55.15300000	9.47911528%	41-00879-000
22	Ricardo R. Leoni	21.98550000	3.77863560%	41-00918-000
22	Marianna R. Lindstrom	21.98550000	3.77863560%	41-00918-000
23	Angelo L. DiLuzio, Trustee	3.74100000	0.64296358%	41-00918-001
24A	Ascent Utica Minerals, LLC Attn: Kade R. Smith	15.10550000	2.59617384%	41-00991-000
24A	Greg Cesario and Tammy D. Cesario, husband and wife	15.10550000	2.59617384%	41-00991-000
24B	Ascent Utica Minerals, LLC Attn: Kade R. Smith	0.94700000	0.16276036%	41-00991-000
25	Jeffrey M. Monforton, Bishop of Steubenville	0.99800000	0.17152570%	41-01190-000
26	Patricia A. McConn and Michael D. McConn, wife and husband	0.24850000	0.04270956%	41-01273-000
26	Dorothy K. Olenick and Vincent P. Olenick, wife and husband	0.24850000	0.04270956%	41-01273-000
28B	George R. Robinson and Barbara Robinson, husband and wife, for their joint lives, remainder to the survivor of them	0.20500000	0.03523324%	41-01446-000
29	George K. Pernick and Norma J. Pernick, husband and wife	2.47100000	0.42468939%	41-02599-000
30	Derek R. Baker, a single man	0.28800000	0.04949840%	41-02157-000
31	Carolyn B. Piergallini and Lawrence T. Piergallini, wife and husband	1.19100000	0.20469650%	41-02157-003
32	John F. Becca and Pamela K. Becca, husband and wife, for their joint lives, remainder to the survivor of them	6.58300000	1.13141653%	41-02169-000
33	Larry R. Boroski and Wilma E. Boroski, husband and wife	17.35500000	2.98279415%	41-02248-000
34	Angelo L. DiLuzio and Karen DiLuzio, husband and wife	2.24866667	0.38647708%	41-02269-000
34	Angelo L. DiLuzio, Trustee	1.12433333	0.19323854%	41-02269-000
35A	Eugene A. Hetson and Josefina P. Hetson, husband and wife	21.29550000	3.66004568%	41-02289-000
35A	Marc Resources, LLC Attn: Todd Jenkins, Member	5.32387500	0.91501142%	41-02289-000
35A	Rawls Energy, LLC Attn: James H. Rawls, Member	7.50666375	1.29016610%	41-02289-000
35A	Geo-Pro, LLC Attn: Robert R. Ward, Member	5.27063625	0.90586131%	41-02289-000
35A	Frank A. Perkins and Frances B. Perkins, Husband and Wife	3.19432500	0.54900685%	41-02289-000
35B	Mary D. Babcock, a single woman	0.02083036	0.00358010%	41-02289-000
35B	Norman W. Dallas, Jr., and Linda F. Dallas, husband and wife	0.01388690	0.00238673%	41-02289-000
35B	Janet E. Yocom and Phillip L. Yocom, wife and husband	0.01388690	0.00238673%	41-02289-000
35B	Charles W. Buckley Jr. and Cheryl Ann Buckley, husband and wife	0.04166071	0.00716020%	41-02289-000

EXHIBIT "6.1"

TRACT NUMBER	LESSOR/OWNER	SURFACE ACRES IN UNIT	TRACT PARTICIPATION	TAX MAP PARCEL ID NUMBERS
35B	Gulfport Appalachia, LLC Attn: Bill Eischeid	0.02083036	0.00358010%	41-02289-000
35B	David H. Boston and Lori L. Boston, husband and wife	0.02083036	0.00358010%	41-02289-000
35B	Doris E. Calkins, a widowed woman	0.00911328	0.00156629%	41-02289-000
35B	Lois I. Ronish and Robert R. Ronish, wife and husband	0.00911328	0.00156629%	41-02289-000
35B	Helen L. Bumgarner, a widowed woman	0.00911328	0.00156629%	41-02289-000
35B	Carol A. Palmer and Leland Brooks Palmer, wife and husband	0.00911328	0.00156629%	41-02289-000
35B	Everett L. Grout and Sharon L. Grout, husband and wife	0.00729063	0.00125304%	41-02289-000
35B	David C. Grout and Melinda K. Grout, husband and wife	0.00729063	0.00125304%	41-02289-000
35B	Lois M. Giles and Stephen B. Giles, wife and husband	0.00729063	0.00125304%	41-02289-000
35B	Donna E. Grout, a single woman	0.00729063	0.00125304%	41-02289-000
35B	Phillip J. Harvey, a widowed man	0.00729063	0.00125304%	41-02289-000
35B	Janet K. Kranz and William A. Kranz, wife and husband	0.00520759	0.00089503%	41-02289-000
35B	Frances A. Yett and Danny R. Yett, wife and husband	0.00260379	0.00044751%	41-02289-000
35B	Robert Earl Baumann and Stephanie Baumann, husband and wife	0.00260379	0.00044751%	41-02289-000
35B	Geraldine A. Thomas and Robert Thomas, wife and husband	0.00520759	0.00089503%	41-02289-000
35B	Thomas G. Dallas and Laurie E. Dallas, husband and wife	0.00520759	0.00089503%	41-02289-000
35B	Edna J. Everett, a widowed woman	0.00520759	0.00089503%	41-02289-000
35B	John L. Dallas, a single man	0.00520759	0.00089503%	41-02289-000
35B	Deborah M. Albert and Allan R. Albert, wife and husband	0.00520759	0.00089503%	41-02289-000
35B	James K. Cavallaro and Elizabeth S. Cavallaro, husband and wife	0.00911328	0.00156629%	41-02289-000
35B	Karen S. Marasco and Charles M. Marasco, wife and husband	0.00911328	0.00156629%	41-02289-000
35B	Dean R. Dallas and Elizabeth A. Dallas, husband and wife	0.00911328	0.00156629%	41-02289-000
35B	Donald L. Dallas and Denise L. Storer Dallas, husband and wife	0.00911328	0.00156629%	41-02289-000
35B	Kay Marie Dallas Jewell aka Kay Dallas Jewell, a single woman	0.00911328	0.00156629%	41-02289-000
35B	The Dallas Family Trust, dated October 15th, 2016 Attn: Craig T. Dallas and Mary J. Dallas, Trustees	0.00911328	0.00156629%	41-02289-000
35B	Jerry L. Dallas and Marsha A. Dallas, husband and wife	0.00911328	0.00156629%	41-02289-000
35B	Rodger W. Dallas and Holly I. Dallas, husband and wife	0.00911328	0.00156629%	41-02289-000
35B	Wayne E. Dallas and Jeanette M. Dallas, husband and wife	0.00911328	0.00156629%	41-02289-000
35B	James K. Dallas and Janet D. Dallas, husband and wife	0.00911328	0.00156629%	41-02289-000
35B	Douglas M. Harlan, a widowed man	0.00331392	0.00056956%	41-02289-000
35B	James R. Harlan, a single man	0.00331392	0.00056956%	41-02289-000
35B	John L. Harlan, a single man	0.00331392	0.00056956%	41-02289-000
35B	Thomas L. Harlan and Rebecca L. Harlan, husband and wife	0.00331392	0.00056956%	41-02289-000
35B	Susan K. Skidmore and Stuart Skidmore, wife and husband	0.00036821	0.00006328%	41-02289-000
35B	Catherine L. Strickling, a single woman	0.00036821	0.00006328%	41-02289-000
35B	Bonnie Jean Crawford, a single woman	0.00036821	0.00006328%	41-02289-000
35B	Lynn Arie Murry aka Lynn Marie Murray and Gregory Murray, wife and husband	0.00036821	0.00006328%	41-02289-000
35B	Martha Ann Washington and Ricky Washington, wife and husband	0.00036821	0.00006328%	41-02289-000
35B	Richard S. Casteel, a single man	0.00036821	0.00006328%	41-02289-000
35B	Deborah K. Mullins, a single woman	0.00036821	0.00006328%	41-02289-000
35B	Marie L. Schruhl and Daryl Schruhl, wife and husband	0.00036821	0.00006328%	41-02289-000
35B	Donald R. Casteel and Linda Casteel, husband and wife	0.00036821	0.00006328%	41-02289-000
35B	Diana Millsap, a widowed woman	0.00331392	0.00056956%	41-02289-000
35B	Linda L. Watry and William E. Watry, wife and husband	0.00331392	0.00056956%	41-02289-000
35B	Marion S. Kennedy aka Marian S. Kennedy, a widowed woman	0.00331392	0.00056956%	41-02289-000
35B	Ralph R. Edenholm, a single man	0.00110464	0.00018985%	41-02289-000
35B	Cory E. Snider and Ryoko Snider, husband and wife	0.00073643	0.00012657%	41-02289-000
35B	Michelle L. Cox and C. Nathan Cox, wife and husband	0.00073643	0.00012657%	41-02289-000
35B	Renae K. Snider, a single woman	0.00073643	0.00012657%	41-02289-000
35B	Jeanne Halper, a single woman	0.00331392	0.00056956%	41-02289-000
35B	Cynthia L. Harlan, a single woman	0.00331392	0.00056956%	41-02289-000

EXHIBIT "6.1"

TRACT NUMBER	LESSOR/OWNER	SURFACE ACRES IN UNIT	TRACT PARTICIPATION	TAX MAP PARCEL ID NUMBERS
35B	Walton M. Dallas Jr. Living Trust, dated January 17th, 2012 Attn: Walton M. Dallas, Jr., Trustee	0.07290625	0.01253036%	41-02289-000
35B	Joanne E. Dallas, a single woman	0.07290625	0.01253036%	41-02289-000
35B	Sandra Sue Dallas, a single woman	0.04860417	0.00835357%	41-02289-000
35B	JaDene S. Jones and Jeffrey D. Jones, wife and husband	0.02430208	0.00417679%	41-02289-000
35B	Elaine S. Dallas, a widowed woman	0.04860417	0.00835357%	41-02289-000
35B	Marvin A. Johnson and Joyce A. Johnson, husband and wife	0.01215104	0.00208839%	41-02289-000
35B	Carol L. Grover, a single woman	0.01215104	0.00208839%	41-02289-000
35B	Kim A. Kamin and David Kamin, wife and husband	0.01215104	0.00208839%	41-02289-000
35B	Thomas J. Michie Jr., a single man, by and through his Attorney-in-Fact, George R. Michie	0.01215104	0.00208839%	41-02289-000
35B	Karen E. Braaten and Claude T. Braaten, wife and husband	0.02430208	0.00417679%	41-02289-000
35B	Mary A. Barnhardt, a widow and not remarried	0.01215104	0.00208839%	41-02289-000
35B	David L Mapes and Pamela J. Mapes, husband and wife	0.01215104	0.00208839%	41-02289-000
35B	Donna M. Werner, a widow and not remarried	0.01215104	0.00208839%	41-02289-000
35B	Pamela Blankinship, a widowed woman	0.07290625	0.01253036%	41-02289-000
35B	Scott E. Busby, a single man	0.01215104	0.00208839%	41-02289-000
35B	Deborah A. Wellard and Thomas T. Wellard, wife and husband	0.01215104	0.00208839%	41-02289-000
35B	Ellen R. Castellini and Robert Castellini, wife and husband	0.01215104	0.00208839%	41-02289-000
35B	Diana T. Houghton and Michael Houghton, wife and husband	0.01215104	0.00208839%	41-02289-000
35B	Charlene M. Shephard and Mark A. Shephard, wife and husband	0.29162500	0.05012143%	41-02289-000
36	George K. Pernick and Norma J. Pernick, husband and wife, for their joint lives, remainder to the survivor of them	3.19590625	0.54927862%	41-02306-000
36	Joanne E. Dallas, a single woman	0.10309375	0.01771867%	41-02306-000
37A	George K. Pernick and Norma J. Pernick, husband and wife, for their joint lives, remainder to the survivor of them	0.27706250	0.04761858%	41-02306-001
37A	Joanne E. Dallas, a single woman	0.00893750	0.00153608%	41-02306-001
37B	Gulfport Appalachia, LLC Attn: Bill Eischeid	0.43300000	0.07441947%	41-02306-001
38	Mary D. Babcock, a single woman	0.00307143	0.00052788%	41-02306-002
38	Norman W. Dallas, Jr., and Linda F. Dallas, husband and wife	0.00204762	0.00035192%	41-02306-002
38	Janet E. Yocom and Phillip L. Yocom, wife and husband	0.00204762	0.00035192%	41-02306-002
38	Charles W. Buckley Jr. and Cheryl Ann Buckley, husband and wife	0.00614286	0.00105577%	41-02306-002
38	Gulfport Appalachia, LLC Attn: Bill Eischeid	0.00307143	0.00052788%	41-02306-002
38	David H. Boston and Lori L. Boston, husband and wife	0.00307143	0.00052788%	41-02306-002
38	Doris E. Calkins, a widowed woman	0.00134375	0.00023095%	41-02306-002
38	Lois I. Ronish and Robert R. Ronish, wife and husband	0.00134375	0.00023095%	41-02306-002
38	Helen L. Bumgarner, a widowed woman	0.00134375	0.00023095%	41-02306-002
38	Carol A. Palmer and Leland Brooks Palmer, wife and husband	0.00134375	0.00023095%	41-02306-002
38	Everett L. Grout and Sharon L. Grout, husband and wife	0.00107500	0.00018476%	41-02306-002
38	David C. Grout and Melinda K. Grout, husband and wife	0.00107500	0.00018476%	41-02306-002
38	Lois M. Giles and Stephen B. Giles, wife and husband	0.00107500	0.00018476%	41-02306-002
38	Donna E. Grout, a single woman	0.00107500	0.00018476%	41-02306-002
38	Phillip J. Harvey, a widowed man	0.00107500	0.00018476%	41-02306-002
38	Janet K. Kranz and William A. Kranz, wife and husband	0.00076786	0.00013197%	41-02306-002
38	Frances A. Yett and Danny R. Yett, wife and husband	0.00038393	0.00006599%	41-02306-002
38	Robert Earl Baumann and Stephanie Baumann, husband and wife	0.00038393	0.00006599%	41-02306-002
38	Geraldine A. Thomas and Robert Thomas, wife and husband	0.00076786	0.00013197%	41-02306-002
38	Thomas G. Dallas and Laurie E. Dallas, husband and wife	0.00076786	0.00013197%	41-02306-002
38	Edna J. Everett, a widowed woman	0.00076786	0.00013197%	41-02306-002
38	John L. Dallas, a single man	0.00076786	0.00013197%	41-02306-002
38	Deborah M. Albert and Allan R. Albert, wife and husband	0.00076786	0.00013197%	41-02306-002
38	James K. Cavallaro and Elizabeth S. Cavallaro, husband and wife	0.00134375	0.00023095%	41-02306-002
38	Karen S. Marasco and Charles M. Marasco, wife and husband	0.00134375	0.00023095%	41-02306-002
38	Dean R. Dallas and Elizabeth A. Dallas, husband and wife	0.00134375	0.00023095%	41-02306-002

EXHIBIT "6.1"

TRACT NUMBER	LESSOR/OWNER	SURFACE ACRES IN UNIT	TRACT PARTICIPATION	TAX MAP PARCEL ID NUMBERS
38	Donald L. Dallas and Denise L. Storer Dallas, husband and wife	0.00134375	0.00023095%	41-02306-002
38	Kay Marie Dallas Jewell aka Kay Dallas Jewell, a single woman	0.00134375	0.00023095%	41-02306-002
38	The Dallas Family Trust, dated October 15th, 2016 Attn: Craig T. Dallas and Mary J. Dallas, Trustees	0.00134375	0.00023095%	41-02306-002
38	Jerry L. Dallas and Marsha A. Dallas, husband and wife	0.00134375	0.00023095%	41-02306-002
38	Rodger W. Dallas and Holly I. Dallas, husband and wife	0.00134375	0.00023095%	41-02306-002
38	Wayne E. Dallas and Jeanette M. Dallas, husband and wife	0.00134375	0.00023095%	41-02306-002
38	James K. Dallas and Janet D. Dallas, husband and wife	0.00134375	0.00023095%	41-02306-002
38	Douglas M. Harlan, a widowed man	0.00048864	0.00008398%	41-02306-002
38	James R. Harlan, a single man	0.00048864	0.00008398%	41-02306-002
38	John L. Harlan, a single man	0.00048864	0.00008398%	41-02306-002
38	Thomas L. Harlan and Rebecca L. Harlan, husband and wife	0.00048864	0.00008398%	41-02306-002
38	Susan K. Skidmore and Stuart Skidmore, wife and husband	0.00005429	0.00000933%	41-02306-002
38	Catherine L. Strickling, a single woman	0.00005429	0.00000933%	41-02306-002
38	Bonnie Jean Crawford, a single woman	0.00005429	0.00000933%	41-02306-002
38	Lynn Arie Murry aka Lynn Marie Murray and Gregory Murray, wife and husband	0.00005429	0.00000933%	41-02306-002
38	Martha Ann Washington and Ricky Washington, wife and husband	0.00005429	0.00000933%	41-02306-002
38	Richard S. Casteel, a single man	0.00005429	0.00000933%	41-02306-002
38	Deborah K. Mullins, a single woman	0.00005429	0.00000933%	41-02306-002
38	Marie L. Schruhl and Daryl Schruhl, wife and husband	0.00005429	0.00000933%	41-02306-002
38	Donald R. Casteel and Linda Casteel, husband and wife	0.00005429	0.00000933%	41-02306-002
38	Diana Millsap, a widowed woman	0.00048864	0.00008398%	41-02306-002
38	Linda L. Watry and William E. Watry, wife and husband	0.00048864	0.00008398%	41-02306-002
38	Marion S. Kennedy aka Marian S. Kennedy, a widowed woman	0.00048864	0.00008398%	41-02306-002
38	Ralph R. Edenholm, a single man	0.00016288	0.00002799%	41-02306-002
38	Cory E. Snider and Ryoko Snider, husband and wife	0.00010859	0.00001866%	41-02306-002
38	Michelle L. Cox and C. Nathan Cox, wife and husband	0.00010859	0.00001866%	41-02306-002
38	Renae K. Snider, a single woman	0.00010859	0.00001866%	41-02306-002
38	Jeanne Halper, a single woman	0.00048864	0.00008398%	41-02306-002
38	Cynthia L. Harlan, a single woman	0.00048864	0.00008398%	41-02306-002
38	Walton M. Dallas Jr. Living Trust, dated January 17th, 2012 Attn: Walton M. Dallas, Jr., Trustee	0.01075000	0.00184760%	41-02306-002
38	Joanne E. Dallas, a single woman	0.01075000	0.00184760%	41-02306-002
38	Sandra Sue Dallas, a single woman	0.00716667	0.00123173%	41-02306-002
38	JaDene S. Jones and Jeffrey D. Jones, wife and husband	0.00358333	0.00061587%	41-02306-002
38	Elaine S. Dallas, a widowed woman	0.00716667	0.00123173%	41-02306-002
38	Marvin A. Johnson and Joyce A. Johnson, husband and wife	0.00179167	0.00030793%	41-02306-002
38	Carol L. Grover, a single woman	0.00179167	0.00030793%	41-02306-002
38	Kim A. Kamin and David Kamin, wife and husband	0.00179167	0.00030793%	41-02306-002
38	Thomas J. Michie Jr., a single man, by and through his Attorney-in-Fact, George R. Michie	0.00179167	0.00030793%	41-02306-002
38	Karen E. Braaten and Claude T. Braaten, wife and husband	0.00358333	0.00061587%	41-02306-002
38	Mary A. Barnhardt, a widow and not remarried	0.00179167	0.00030793%	41-02306-002
38	David L Mapes and Pamela J. Mapes, husband and wife	0.00179167	0.00030793%	41-02306-002
38	Donna M. Werner, a widow and not remarried	0.00179167	0.00030793%	41-02306-002
38	Pamela Blankinship, a widowed woman	0.01075000	0.00184760%	41-02306-002
38	Scott E. Busby, a single man	0.00179167	0.00030793%	41-02306-002
38	Deborah A. Wellard and Thomas T. Wellard, wife and husband	0.00179167	0.00030793%	41-02306-002
38	Ellen R. Castellini and Robert Castellini, wife and husband	0.00179167	0.00030793%	41-02306-002
38	Diana T. Houghton and Michael Houghton, wife and husband	0.00179167	0.00030793%	41-02306-002
38	Charlene M. Shephard and Mark A. Shephard, wife and husband	0.04300000	0.00739039%	41-02306-002
39	Jeffrey Marc Monforton, Bishop of the Roman Catholic Diocese of Steubenville, as Trustee for the Diocese of Steubenville	1.04500000	0.17960357%	41-02350-000
40	Randy D. Bohall and Violet S. Bohall, husband and wife	1.04500000	0.17960357%	41-02535-000
41	Jerri D. Robinson	0.77900000	0.13388629%	41-02541-000

EXHIBIT "6.1"

TRACT NUMBER	LESSOR/OWNER	SURFACE ACRES IN UNIT	TRACT PARTICIPATION	TAX MAP PARCEL ID NUMBERS
42	Jerri D. Robinson	0.24300000	0.04176427%	41-02579-000
43A	Heritage Resources – Utica Minerals, LLC Attn: Kristen Rogstad	61.57900000	10.58354831%	41-02590-000
45	Donald Pernick and Beverly Pernick, husband and wife, for their joint lives, remainder to the survivor of them	0.51650000	0.08877057%	41-02671-000
45	Elizabeth A. Newman	0.25825000	0.04438528%	41-02671-000
45	Tamara J. Bartek	0.25825000	0.04438528%	41-02671-000
46	Edward C. Vargo, Jr.	9.07800000	1.56023079%	41-02674-000
47	Donald Pernick and Beverly Pernick, husband and wife, for their joint lives, remainder to the survivor of them	3.00000000	0.51560832%	41-02674-001
48	Donald Pernick and Beverly Pernick, husband and wife, for their joint lives, remainder to the survivor of them	0.53350000	0.09169235%	41-02675-000
48	Elizabeth A. Newman	0.26675000	0.04584617%	41-02675-000
48	Tamara J. Bartek	0.26675000	0.04584617%	41-02675-000
49	James R. Blaney, Trustee of the Guy E. Blaney Living Trust Dated June 13th, 1996	21.09500000	3.62558586%	41-02676-000
49	James R. Blaney and Brenda L. Blaney, husband and wife			41-02676-000
49	John M. Dignity and Victoria S. Dignity, husband and wife			41-02676-000
51	Angelo E. Marsili aka Angelo Marsili and Carol A. Marsili aka Carolyn Marsili, his wife	3.64200000	0.62594850%	41-02682-000
52	David M. Banal and Terri Lynn Banal a/k/a Terri L. Banal, for their joint lives, remainder to the survivor of them	2.51200000	0.43173604%	41-02682-001
53	David M. Banal and Terri Lynn Banal a/k/a Terri L. Banal, for their joint lives, remainder to the survivor of them	15.31900000	2.63286797%	41-02682-006
56	Westhawk Minerals, LLC Attn: Lester A Zitzus, Senior VP of Land	11.24280000	1.93229375%	41-02716-000
56	Gateway Royalty V, LLC Attn: Chris Oldham, President	7.49520000	1.28819583%	41-02716-000
57	James R. Blaney, Trustee of the Guy E. Blaney Living Trust Dated June 13th, 1996	5.36400000	0.92190768%	41-02759-000
57	James R. Blaney and Brenda L. Blaney, husband and wife			41-02759-000
57	John M. Dignity and Victoria S. Dignity, husband and wife			41-02759-000
59	Harry Nelson Crichton and Mary Beth Crichton, husband and wife	15.75900000	2.70849052%	41-02394-000

TOTAL NET LEASED ACRES:	513.97845871	88.33719043%
TOTAL UNIT ACRES:	581.83700000	

END OF EXHIBIT "6.1"