STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT OIL CONSERVATION DIVISION

APPLICATIONS OF CIMAREX ENERGY CO. FOR A HORIZONTAL SPACING UNIT AND COMPULSORY POOLING, LEA COUNTY, NEW MEXICO

CASE NOS. 23448-23455

APPLICATIONS OF CIMAREX ENERGY CO. FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO

CASE NOS. 23594-23601

APPLICATIONS OF READ & STEVENS, INC. FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO.

CASE NOS. 23508-23523

NOTICE OF REVISED EXHIBITS

Permian Resources Operating, LLC applicant in the above-referenced cases, gives notice that it is filing the attached revised exhibit packet for acceptance into the record.

The revised exhibit packet includes a copy of the sample well proposal letters and AFE's (Exhibit C-10) and removes duplicate copies of mailing reports.

Respectfully submitted,

HOLLAND & HART LLP

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ATTORNEYS FOR PERMIAN OPERATING RESOURCES, LLC

CERTIFICATE OF SERVICE

I hereby certify that on July 14, 2023, I served a copy of the foregoing document to the following counsel of record via Electronic Mail to:

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Attorneys for Sandstone Properties, LLC

Adam G. Rankin

BEFORE THE OIL CONSERVATION DIVISION EXAMINER HEARING JULY 20, 2023

CASE Nos. 23508-23523

BANE 111H, 121H, 122H, 171H, AND 131H WELLS
BANE 112H, 123H, 124H, 172H, AND 132H WELLS
BANE 113H, 173H, 125H, 126H AND 133H WELLS
BANE 114H, 127H, 128H, 174H, AND 134H WELLS
BANE 201H WELL
BANE 202H WELL
BANE 203H WELL
BANE 204H WELL
JOKER 111H, 121H, 122H, 171H, AND 131H WELLS
JOKER 112H, 123H, 124H, 172H, AND 132H WELLS
JOKER 113H, 125H, 126H, 173H, AND 133H WELLS
JOKER 114H, 127H, 128H, 174H, AND 134H WELLS
JOKER 201H WELL
JOKER 202H WELL
JOKER 203H WELL
JOKER 204H WELL

LEA COUNTY, NEW MEXICO



STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT OIL CONSERVATION DIVISION

APPLICATIONS OF CIMAREX ENERGY CO. FOR A HORIZONTAL SPACING UNIT AND COMPULSORY POOLING, LEA COUNTY, NEW MEXICO

CASE NOS. 23448-23455

APPLICATIONS OF CIMAREX ENERGY CO. FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO

CASE NOS. 23594-23601

APPLICATIONS OF READ & STEVENS, INC. FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO.

CASE NOS. 23508-23523

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• Read & Stevens Exhibit F: Self-Affirmed Statement of John Fechtel, Reservoir Engineer

o Read & Stevens Exhibit F-1: Resume

o Read & Stevens Exhibit F-2: Offsetting Development – TBSG & Wolfcamp A

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STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

APPLICATION OF READ & STEVENS, INC. FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO.

CASE NO. <u>23508</u>

APPLICATION

Read & Stevens, Inc., through its undersigned attorneys, hereby files this application with

the Oil Conservation Division pursuant to the provisions of NMSA 1978, § 70-2-17, for an order

pooling all uncommitted interests in the Bone Spring formation underlying a standard 320-acre,

more or less, horizontal well spacing comprised of Lot 4 (NW/4 NW/4 equivalent), the SW/4

NW/4, and the W/2 SW/4 of Section 4 and the W/2 W/2 of Section 9, Township 20 South, Range

34 East, NMPM, Lea County, New Mexico. In support of its application, Applicant states:

1. Applicant is a working interest owner in the proposed horizontal spacing unit and

has the right to drill thereon.

2. Applicant seeks to designate Permian Resources Operating, LLC (OGRID No.

372165) as the operator of the proposed horizontal spacing unit and of the proposed initial wells.

3. Applicant seeks to initially dedicate the above-referenced horizontal spacing unit

to the following proposed initial wells:

Bane 4-9 Federal Com 111H, 121H, 122H, 171H, and 131H wells, to be

horizontally drilled from a surface location in the NE/4 NW/4 (Lot 3) of Section 4,

Township 20 South, Range 34 East, to bottom hole locations in the SW/4 SW/4

(Unit M) of Section 9, Township 20 South, Range 34 East.

1

BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico

Exhibit No. A
Submitted by: Read & Stevens, Inc.
Hearing Date: July 20, 2023

- 4. Applicant has sought and been unable to obtain voluntary agreement for the development of these lands from all interest owners in the subject spacing unit.
- 5. The pooling of interests will allow Applicant to obtain a just and fair share of the oil and gas underlying the subject lands, avoid the drilling of unnecessary wells, will prevent waste, and will protect correlative rights.
- 6. This application competes with the *Application of Cimarex Energy Co. for a Horizontal Spacing and Proration Unit and Compulsory Pooling, Lea County, New Mexico* filed in Case No. 23453. Applicant therefore requests that this matter be set on the June 1, 2023, and consolidated with Case No. 23453 for a contested hearing under the Prehearing Order issued in these competing cases.

- A. Pooling all uncommitted interests in the horizontal well spacing unit;
- B. Designating Permian Resources Operating, LLC (OGRID No. 372165) as operator of the horizontal spacing unit and the horizontal wells to be drilled thereon;
- C. Authorizing Applicant to recover its costs of drilling, completing, and equipping the wells;
- D. Approving the actual operating charges and costs of supervision while drilling and after completion, together with a provision adjusting the rates pursuant to the COPAS accounting procedures; and

E. Imposing a 200% penalty for the risk assumed by Applicant in drilling and completing the wells against any working interest owner who does not voluntarily participate in the drilling of the wells.

Respectfully submitted,

HOLLAND & HART LLP

sy:____

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CASE :

Application of Read & Stevens, Inc. for Compulsory Pooling, Lea County, New Mexico. Applicant in the above-styled cause seeks an order pooling all uncommitted interests in the Bone Spring formation underlying a standard 320-acre, more or less, horizontal well spacing comprised of Lot 4 (NW/4 NW/4 equivalent), the SW/4 NW/4, and the W/2 SW/4 of Section 4 and the W/2 W/2 of Section 9, Township 20 South, Range 34 East, NMPM, Lea County, New Mexico. Said unit will be initially dedicated to the proposed Bane 4-9 Federal Com 111H, 121H, 122H, 171H, and **131H** wells, to be horizontally drilled from a surface location in the NE/4 NW/4 (Lot 3) of Section 4, Township 20 South, Range 34 East, to bottom hole locations in the SW/4 SW/4 (Unit M) of Section 9, Township 20 South, Range 34 East. Also, to be considered will be the cost of drilling and completing the well and the allocation of the cost thereof, actual operating costs and charges for supervision, designation of Applicant as operator of the wells, and a 200% charge for risk involved in drilling said wells. Said area is located approximately 27 miles southwest of Hobbs, New Mexico.

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STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT **OIL CONSERVATION DIVISION**

APPLICATION OF READ & STEVENS, INC. FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO.

CASE NO. 23509

APPLICATION

Read & Stevens, Inc., through its undersigned attorneys, hereby files this application with the Oil Conservation Division pursuant to the provisions of NMSA 1978, § 70-2-17, for an order pooling all uncommitted interests in the Bone Spring formation underlying a standard 320-acre, more or less, horizontal well spacing comprised of Lot 3 (NE/4 NW/4 equivalent), the SE/4 NW/4,

and the E/2 SW/4 of Section 4 and the E/2 W/2 of Section 9, Township 20 South, Range 34 East,

NMPM, Lea County, New Mexico. In support of its application, Applicant states:

1. Applicant is a working interest owner in the proposed horizontal spacing unit and

has the right to drill thereon.

2. Applicant seeks to designate Permian Resources Operating, LLC (OGRID No.

372165) as the operator of the proposed horizontal spacing unit and of the proposed initial wells.

1

3. Applicant seeks to initially dedicate the above-referenced horizontal spacing unit

to the following proposed initial wells:

Bane 4-9 Federal Com 112H, 123H, 124H, 172H, 132H wells, to be horizontally

drilled from a surface location in the NE/4 NW/4 (Lot 3) of Section 4, Township

20 South, Range 34 East, to bottom hole locations in the SE/4 SW/4 (Unit N) of

Section 9, Township 20 South, Range 34 East.

BEFORE THE OIL CONSERVATION DIVISION

Santa Fe, New Mexico Exhibit No. A Submitted by: Read & Stevens, Inc.

Hearing Date: July 20, 2023

- 4. Applicant has sought and been unable to obtain voluntary agreement for the development of these lands from all interest owners in the subject spacing unit.
- 5. The pooling of interests will allow Applicant to obtain a just and fair share of the oil and gas underlying the subject lands, avoid the drilling of unnecessary wells, will prevent waste, and will protect correlative rights.
- 6. This application competes with the *Application of Cimarex Energy Co. for a Horizontal Spacing and Proration Unit and Compulsory Pooling, Lea County, New Mexico* filed in Case No. 23454. Applicant therefore requests that this matter be set on the June 1, 2023, and consolidated with Case No. 23454 for a contested hearing under the Prehearing Order issued in these competing cases.

- A. Pooling all uncommitted interests in the horizontal well spacing unit;
- B. Designating Permian Resources Operating, LLC (OGRID No. 372165) as operator of the horizontal spacing unit and the horizontal wells to be drilled thereon;
- C. Authorizing Applicant to recover its costs of drilling, completing, and equipping the wells;
- D. Approving the actual operating charges and costs of supervision while drilling and after completion, together with a provision adjusting the rates pursuant to the COPAS accounting procedures; and

E. Imposing a 200% penalty for the risk assumed by Applicant in drilling and completing the wells against any working interest owner who does not voluntarily participate in the drilling of the wells.

Respectfully submitted,

HOLLAND & HART LLP

By:

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CASE ____:

Application of Read & Stevens, Inc. for Compulsory Pooling, Lea County, New Mexico. Applicant in the above-styled cause seeks an order pooling all uncommitted interests in the Bone Spring formation underlying a standard 320-acre, more or less, horizontal well spacing comprised of Lot 3 (NE/4 NW/4 equivalent), the SE/4 NW/4, and the E/2 SW/4 of Section 4 and the E/2 W/2 of Section 9, Township 20 South, Range 34 East, NMPM, Lea County, New Mexico. Said unit will be initially dedicated to the proposed Bane 4-9 Federal Com 112H, 123H, 124H, 172H, 132H wells, to be horizontally drilled from a surface location in the NE/4 NW/4 (Lot 3) of Section 4, Township 20 South, Range 34 East, to bottom hole locations in the SE/4 SW/4 (Unit N) of Section 9, Township 20 South, Range 34 East. Also, to be considered will be the cost of drilling and completing the well and the allocation of the cost thereof, actual operating costs and charges for supervision, designation of Applicant as operator of the wells, and a 200% charge for risk involved in drilling said wells. Said area is located approximately 27 miles southwest of Hobbs, New Mexico.

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STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

APPLICATION OF READ & STEVENS, INC. FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO.

CASE NO. <u>23510</u>

APPLICATION

Read & Stevens, Inc., through its undersigned attorneys, hereby files this application with

the Oil Conservation Division pursuant to the provisions of NMSA 1978, § 70-2-17, for an order

pooling all uncommitted interests in the Bone Spring formation underlying a standard 320-acre,

more or less, horizontal well spacing comprised of Lot 2 (NW/4 NE/4 equivalent), the SW/4 NE/4,

and the W/2 SE/4 of Section 4 and the W/2 E/2 of Section 9, Township 20 South, Range 34 East,

NMPM, Lea County, New Mexico. In support of its application, Applicant states:

1. Applicant is a working interest owner in the proposed horizontal spacing unit and

has the right to drill thereon.

2. Applicant seeks to designate Permian Resources Operating, LLC (OGRID No.

372165) as the operator of the proposed horizontal spacing unit and of the proposed initial wells.

1

3. Applicant seeks to initially dedicate the above-referenced horizontal spacing unit

to the following proposed initial wells:

Bane 4-9 Federal Com 113H and 173H wells, to be horizontally drilled from a

surface location in the NW/4 NE/4 (Lot 2) of Section 4, Township 20 South, Range

34 East, to bottom hole locations in the SW/4 SE/4 (Unit O) of Section 9, Township

20 South, Range 34 East; and

BEFORE THE OIL CONSERVATION DIVISION

Santa Fe, New Mexico Exhibit No. A Submitted by: Read & Stevens, Inc.

Hearing Date: July 20, 2023

- Bane 4-9 Federal Com 125H, 126H, and 133H wells, to be horizontally drilled from a surface location in the NE/4 NE/4 (Lot 1) of Section 4, Township 20 South, Range 34 East, to bottom hole locations in the SW/4 SE/4 (Unit O) of Section 9, Township 20 South, Range 34 East.
- 4. Applicant has sought and been unable to obtain voluntary agreement for the development of these lands from all interest owners in the subject spacing unit.
- 5. The pooling of interests will allow Applicant to obtain a just and fair share of the oil and gas underlying the subject lands, avoid the drilling of unnecessary wells, will prevent waste, and will protect correlative rights.
- 6. This application competes with the *Application of Cimarex Energy Co. for a Horizontal Spacing and Proration Unit and Compulsory Pooling, Lea County, New Mexico* filed in Case No. 23455. Applicant therefore requests that this matter be set on the June 1, 2023, and consolidated with Case No. 23455 for a contested hearing under the Prehearing Order issued in these competing cases.

- A. Pooling all uncommitted interests in the horizontal well spacing unit;
- B. Designating Permian Resources Operating, LLC (OGRID No. 372165) as operator of the horizontal spacing unit and the horizontal wells to be drilled thereon;
- C. Authorizing Applicant to recover its costs of drilling, completing, and equipping the wells;

- Approving the actual operating charges and costs of supervision while drilling and after completion, together with a provision adjusting the rates pursuant to the COPAS accounting procedures; and
- E. Imposing a 200% penalty for the risk assumed by Applicant in drilling and completing the wells against any working interest owner who does not voluntarily participate in the drilling of the wells.

Respectfully submitted,

HOLLAND & HART LLP

By:

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CASE ____:

Application of Read & Stevens, Inc. for Compulsory Pooling, Lea County, New Mexico. Applicant in the above-styled cause seeks an order order pooling all uncommitted interests in the Bone Spring formation underlying a standard 320-acre, more or less, horizontal well spacing comprised of Lot 2 (NW/4 NE/4 equivalent), the SW/4 NE/4, and the W/2 SE/4 of Section 4 and the W/2 E/2 of Section 9, Township 20 South, Range 34 East, NMPM, Lea County, New Mexico. Said unit will be dedicated to the following proposed initial wells:

- Bane 4-9 Federal Com 113H and 173H wells, to be horizontally drilled from a surface location in the NW/4 NE/4 (Lot 2) of Section 4, Township 20 South, Range 34 East, to bottom hole locations in the SW/4 SE/4 (Unit O) of Section 9, Township 20 South, Range 34 East; and
- Bane 4-9 Federal Com 125H, 126H, and 133H wells, to be horizontally drilled from a surface location in the NE/4 NE/4 (Lot 1) of Section 4, Township 20 South, Range 34 East, to bottom hole locations in the SW/4 SE/4 (Unit O) of Section 9, Township 20 South, Range 34 East.

Also, to be considered will be the cost of drilling and completing the wells and the allocation of the cost thereof, actual operating costs and charges for supervision, designation of Applicant as operator of the wells, and a 200% charge for risk involved in drilling said wells. Said area is located approximately 27 miles southwest of Hobbs, New Mexico.

Received by OCD: 4/14/2023 12426535PPM

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STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT **OIL CONSERVATION DIVISION**

APPLICATION OF READ & STEVENS, INC. FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO.

CASE NO. 23511

APPLICATION

Read & Stevens, Inc., through its undersigned attorneys, hereby files this application with

the Oil Conservation Division pursuant to the provisions of NMSA 1978, § 70-2-17, for an order

pooling all uncommitted interests in the Bone Spring formation underlying a standard 320-acre,

more or less, horizontal well spacing comprised of Lot 1 (NE/4 NE/4 equivalent), the SE/4 NE/4,

and the E/2 SE/4 of Section 4 and the E/2 E/2 of Section 9, Township 20 South, Range 34 East,

NMPM, Lea County, New Mexico. In support of its application, Applicant states:

1. Applicant is a working interest owner in the proposed horizontal spacing unit and

has the right to drill thereon.

2. Applicant seeks to designate Permian Resources Operating, LLC (OGRID No.

372165) as the operator of the proposed horizontal spacing unit and of the proposed initial wells.

1

3. Applicant seeks to initially dedicate the above-referenced horizontal spacing unit

to the following proposed initial wells:

Bane 4-9 Federal Com 114H, 127H, 128H, 174H, 134H wells, to be horizontally

drilled from a surface location in the NE/4 NE/4 (Lot 1) of Section 4, Township 20

South, Range 34 East, to bottom hole locations in the SE/4 SE/4 (Unit P) of Section

9, Township 20 South, Range 34 East.

BEFORE THE OIL CONSERVATION DIVISION

Santa Fe, New Mexico Exhibit No. A

Submitted by: Read & Stevens, Inc. Hearing Date: July 20, 2023

Case No. 23511

Released to Imaging: 4/14/2023 4:35:37 PM

- 4. Applicant has sought and been unable to obtain voluntary agreement for the development of these lands from all interest owners in the subject spacing unit.
- 5. The pooling of interests will allow Applicant to obtain a just and fair share of the oil and gas underlying the subject lands, avoid the drilling of unnecessary wells, will prevent waste, and will protect correlative rights.
- 6. This application competes with the *Application of Cimarex Energy Co. for a Horizontal Spacing and Proration Unit and Compulsory Pooling, Lea County, New Mexico* filed in Case No. 23452. Applicant therefore requests that this matter be set on the June 1, 2023, and consolidated with Case No. 23452 for a contested hearing under the Prehearing Order issued in these competing cases.

- A. Pooling all uncommitted interests in the horizontal well spacing unit;
- B. Designating Permian Resources Operating, LLC (OGRID No. 372165) as operator of the horizontal spacing unit and the horizontal wells to be drilled thereon;
- C. Authorizing Applicant to recover its costs of drilling, completing, and equipping the wells;
- D. Approving the actual operating charges and costs of supervision while drilling and after completion, together with a provision adjusting the rates pursuant to the COPAS accounting procedures; and

E. Imposing a 200% penalty for the risk assumed by Applicant in drilling and completing the wells against any working interest owner who does not voluntarily participate in the drilling of the wells.

Respectfully submitted,

HOLLAND & HART LLP

By:

Michael H. Feldewert
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CASE ____:

Application of Read & Stevens, Inc. for Compulsory Pooling, Lea County, New Mexico. Applicant in the above-styled cause seeks an order pooling all uncommitted interests in the Bone Spring formation underlying a standard 320-acre, more or less, horizontal well spacing comprised of Lot 1 (NE/4 NE/4 equivalent), the SE/4 NE/4, and the E/2 SE/4 of Section 4 and the E/2 E/2 of Section 9, Township 20 South, Range 34 East, NMPM, Lea County, New Mexico. Said unit will be initially dedicated to the proposed Bane 4-9 Federal Com 114H, 127H, 128H, 174H, 134H wells, to be horizontally drilled from a surface location in the NE/4 NE/4 (Lot 1) of Section 4, Township 20 South, Range 34 East, to bottom hole locations in the SE/4 SE/4 (Unit P) of Section 9, Township 20 South, Range 34 East. Also, to be considered will be the cost of drilling and completing the wells and the allocation of the cost thereof, actual operating costs and charges for supervision, designation of Applicant as operator of the wells, and a 200% charge for risk involved in drilling said wells. Said area is located approximately 27 miles southwest of Hobbs, New Mexico.

Received by OCD: 4/14/2023 12426035PPM

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STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

APPLICATION OF READ & STEVENS, INC. FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO.

CASE NO. <u>23512</u>

APPLICATION

Read & Stevens, Inc., through its undersigned attorneys, hereby files this application with

the Oil Conservation Division pursuant to the provisions of NMSA 1978, § 70-2-17, for an order

pooling all uncommitted interests in the Wolfcamp formation underlying a standard 320-acre,

more or less, horizontal well spacing unit comprised of Lot 4 (NW/4 NW/4 equivalent), the SW/4

NW/4, and the W/2 SW/4 of Section 4 and the W/2 W/2 of Section 9, Township 20 South, Range

34 East, NMPM, Lea County, New Mexico. In support of its application, Applicant states:

1. Applicant is a working interest owner in the proposed horizontal spacing unit and

has the right to drill thereon.

2. Applicant seeks to designate Permian Resources Operating, LLC (OGRID No.

372165) as the operator of the proposed horizontal spacing unit and of the proposed initial well.

3. Applicant seeks to initially dedicate the above-referenced horizontal spacing unit

1

to the following proposed initial well:

• Bane 4-9 Federal Com 201H well, to be horizontally drilled from a surface

location in the NE/4 NW/4 (Lot 3) of Section 4, Township 20 South, Range 34 East,

to a bottom hole location in the SW/4 SW/4 (Unit M) of Section 9, Township 20

South, Range 34 East.

BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Exhibit No. A

Exhibit No. A Submitted by: Read & Stevens, Inc. Hearing Date: July 20, 2023

- 4. Applicant has sought and been unable to obtain voluntary agreement for the development of these lands from all interest owners in the subject spacing unit.
- 5. The pooling of interests will allow Applicant to obtain a just and fair share of the oil and gas underlying the subject lands, avoid the drilling of unnecessary wells, will prevent waste, and will protect correlative rights.

- A. Pooling all uncommitted interests in the horizontal well spacing unit;
- B. Designating Permian Resources Operating, LLC (OGRID No. 372165) as operator of the horizontal spacing unit and the horizontal well to be drilled thereon;
- C. Authorizing Applicant to recover its costs of drilling, completing, and equipping the well;
- D. Approving the actual operating charges and costs of supervision while drilling and after completion, together with a provision adjusting the rates pursuant to the COPAS accounting procedures; and
- E. Imposing a 200% penalty for the risk assumed by Applicant in drilling and completing the well against any working interest owner who does not voluntarily participate in the drilling of the well.

Respectfully submitted,

HOLLAND & HART LLP

By:_

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CASE ____:

Application of Read & Stevens, Inc. for Compulsory Pooling, Lea County, New Mexico. Applicant in the above-styled cause seeks an order pooling all uncommitted interests in the Wolfcamp formation underlying a standard 320-acre, more or less, horizontal well spacing comprised of Lot 4 (NW/4 NW/4 equivalent), the SW/4 NW/4, and the W/2 SW/4 of Section 4 and the W/2 W/2 of Section 9, Township 20 South, Range 34 East, NMPM, Lea County, New Mexico. Said unit will be initially dedicated to the proposed Bane 4-9 Federal Com 201H well, to be horizontally drilled from a surface location in the NE/4 NW/4 (Lot 3) of Section 4, Township 20 South, Range 34 East, to a bottom hole location in the SW/4 SW/4 (Unit M) of Section 9, Township 20 South, Range 34 East. Also, to be considered will be the cost of drilling and completing the well and the allocation of the cost thereof, actual operating costs and charges for supervision, designation of Applicant as operator of the well, and a 200% charge for risk involved in drilling said well. Said area is located approximately 27 miles southwest of Hobbs, New Mexico.

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STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT **OIL CONSERVATION DIVISION**

APPLICATION OF READ & STEVENS, INC. FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO.

CASE NO. 23513

APPLICATION

Read & Stevens, Inc., through its undersigned attorneys, hereby files this application with

the Oil Conservation Division pursuant to the provisions of NMSA 1978, § 70-2-17, for an order

pooling all uncommitted interests in the Wolfcamp formation underlying a standard 320-acre,

more or less, horizontal well spacing comprised of Lot 3 (NE/4 NW/4 equivalent), the SE/4 NW/4,

and the E/2 SW/4 of Section 4 and the E/2 W/2 of Section 9, Township 20 South, Range 34 East,

NMPM, Lea County, New Mexico. In support of its application, Applicant states:

1. Applicant is a working interest owner in the proposed horizontal spacing unit and

has the right to drill thereon.

2. Applicant seeks to designate Permian Resources Operating, LLC (OGRID No.

372165) as the operator of the proposed horizontal spacing unit and of the proposed initial well.

1

3. Applicant seeks to initially dedicate the above-referenced horizontal spacing unit

to the following proposed initial well:

Bane 4-9 Federal Com 202H well, to be horizontally drilled from a surface

location in the NE/4 NW/4 (Lot 3) of Section 4, Township 20 South, Range 34 East,

to bottom a hole location in the SE/4 SW/4 (Unit N) of Section 9, Township 20

South, Range 34 East.

BEFORE THE OIL CONSERVATION DIVISION

Santa Fe, New Mexico Exhibit No. A Submitted by: Read & Stevens, Inc.

Hearing Date: July 20, 2023

- 4. Applicant has sought and been unable to obtain voluntary agreement for the development of these lands from all interest owners in the subject spacing unit.
- 5. The pooling of interests will allow Applicant to obtain a just and fair share of the oil and gas underlying the subject lands, avoid the drilling of unnecessary wells, will prevent waste, and will protect correlative rights.

- A. Pooling all uncommitted interests in the horizontal well spacing unit;
- B. Designating Permian Resources Operating, LLC (OGRID No. 372165) as operator of the horizontal spacing unit and the horizontal well to be drilled thereon;
- C. Authorizing Applicant to recover its costs of drilling, completing, and equipping the well;
- D. Approving the actual operating charges and costs of supervision while drilling and after completion, together with a provision adjusting the rates pursuant to the COPAS accounting procedures; and
- E. Imposing a 200% penalty for the risk assumed by Applicant in drilling and completing the well against any working interest owner who does not voluntarily participate in the drilling of the well.

Respectfully submitted,

HOLLAND & HART LLP

By:___

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CASE ____:

Application of Read & Stevens, Inc. for Compulsory Pooling, Lea County, New Mexico. Applicant in the above-styled cause seeks an order pooling all uncommitted interests in the Wolfcamp formation underlying a standard 320-acre, more or less, horizontal well spacing comprised of Lot 3 (NE/4 NW/4 equivalent), the SE/4 NW/4, and the E/2 SW/4 of Section 4 and the E/2 W/2 of Section 9, Township 20 South, Range 34 East, NMPM, Lea County, New Mexico. Said unit will be initially dedicated to the proposed Bane 4-9 Federal Com 202H well, to be horizontally drilled from a surface location in the NE/4 NW/4 (Lot 3) of Section 4, Township 20 South, Range 34 East, to a bottom hole location in the SE/4 SW/4 (Unit N) of Section 9, Township 20 South, Range 34 East. Also, to be considered will be the cost of drilling and completing the well and the allocation of the cost thereof, actual operating costs and charges for supervision, designation of Applicant as operator of the well, and a 200% charge for risk involved in drilling said well. Said area is located approximately 27 miles southwest of Hobbs, New Mexico.

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STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

APPLICATION OF READ & STEVENS, INC. FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO.

CASE NO. <u>23514</u>

APPLICATION

Read & Stevens, Inc., through its undersigned attorneys, hereby files this application with

the Oil Conservation Division pursuant to the provisions of NMSA 1978, § 70-2-17, for an order

pooling all uncommitted interests in the Wolfcamp formation underlying a standard 320-acre,

more or less, horizontal well spacing comprised of Lot 2 (NW/4 NE/4 equivalent), the SW/4 NE/4,

and the W/2 SE/4 of Section 4 and the W/2 E/2 of Section 9, Township 20 South, Range 34 East,

NMPM, Lea County, New Mexico. In support of its application, Applicant states:

1. Applicant is a working interest owner in the proposed horizontal spacing unit and

has the right to drill thereon.

2. Applicant seeks to designate Permian Resources Operating, LLC (OGRID No.

372165) as the operator of the proposed horizontal spacing unit and of the proposed initial well.

3. Applicant seeks to initially dedicate the above-referenced horizontal spacing unit

to the following proposed initial well:

• Bane 4-9 Federal Com 203H well, to be horizontally drilled from a surface

location in the NE/4 NE/4 (Lot 1) of Section 4, Township 20 South, Range 34 East,

to a bottom hole location in the SW/4 SE/4 (Unit O) of Section 9, Township 20

South, Range 34 East.

BEFORE THE OIL CONSERVATION DIVISION
Santa Fe New Mexico

Santa Fe, New Mexico Exhibit No. A Submitted by: Read & Stevens, Inc. Hearing Date: July 20, 2023

- 4. Applicant has sought and been unable to obtain voluntary agreement for the development of these lands from all interest owners in the subject spacing unit.
- 5. The pooling of interests will allow Applicant to obtain a just and fair share of the oil and gas underlying the subject lands, avoid the drilling of unnecessary wells, will prevent waste, and will protect correlative rights.

- A. Pooling all uncommitted interests in the horizontal well spacing unit;
- B. Designating Permian Resources Operating, LLC (OGRID No. 372165) as operator of the horizontal spacing unit and the horizontal well to be drilled thereon;
- C. Authorizing Applicant to recover its costs of drilling, completing, and equipping the well;
- D. Approving the actual operating charges and costs of supervision while drilling and after completion, together with a provision adjusting the rates pursuant to the COPAS accounting procedures; and
- E. Imposing a 200% penalty for the risk assumed by Applicant in drilling and completing the well against any working interest owner who does not voluntarily participate in the drilling of the well.

Respectfully submitted,

HOLLAND & HART LLP

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CASE ____:

Application of Read & Stevens, Inc. for Compulsory Pooling, Lea County, New Mexico. Applicant in the above-styled cause seeks an order pooling all uncommitted interests in the Wolfcamp formation underlying a standard 320-acre, more or less, horizontal well spacing comprised of Lot 2 (NW/4 NE/4 equivalent), the SW/4 NE/4, and the W/2 SE/4 of Section 4 and the W/2 E/2 of Section 9, Township 20 South, Range 34 East, NMPM, Lea County, New Mexico. Said unit will be initially dedicated to the proposed Bane 4-9 Federal Com 203H well, to be horizontally drilled from a surface location in the NE/4 NE/4 (Lot 1) of Section 4, Township 20 South, Range 34 East, to a bottom hole location in the SW/4 SE/4 (Unit O) of Section 9, Township 20 South, Range 34 East. Also, to be considered will be the cost of drilling and completing the well and the allocation of the cost thereof, actual operating costs and charges for supervision, designation of Applicant as operator of the well, and a 200% charge for risk involved in drilling said well. Said area is located approximately 27 miles southwest of Hobbs, New Mexico.

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STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT OIL CONSERVATION DIVISION

APPLICATION OF READ & STEVENS, INC. FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO.

CASE NO. <u>23515</u>

APPLICATION

Read & Stevens, Inc., through its undersigned attorneys, hereby files this application with

the Oil Conservation Division pursuant to the provisions of NMSA 1978, § 70-2-17, for an order

pooling all uncommitted interests in the Wolfcamp formation underlying a standard 320-acre,

more or less, horizontal well spacing comprised of Lot 1 (NE/4 NE/4 equivalent), the SE/4 NE/4,

and the E/2 SE/4 of Section 4 and the E/2 E/2 of Section 9, Township 20 South, Range 34 East,

NMPM, Lea County, New Mexico. In support of its application, Applicant states:

1. Applicant is a working interest owner in the proposed horizontal spacing unit and

has the right to drill thereon.

2. Applicant seeks to designate Permian Resources Operating, LLC (OGRID No.

372165) as the operator of the proposed horizontal spacing unit and of the proposed initial well.

3. Applicant seeks to initially dedicate the above-referenced horizontal spacing unit

to the following proposed initial well:

Bane 4-9 Federal Com 204H well, to be horizontally drilled from a surface

location in the NE/4 NE/4 (Lot 1) of Section 4, Township 20 South, Range 34 East,

to a bottom hole location in the SE/4 SE/4 (Unit P) of Section 9, Township 20

South, Range 34 East.

BEFORE THE OIL CONSERVATION DIVISION Santa Fe, New Mexico

Exhibit No. A

Submitted by: Read & Stevens, Inc. Hearing Date: July 20, 2023

- 4. Applicant has sought and been unable to obtain voluntary agreement for the development of these lands from all interest owners in the subject spacing unit.
- 5. The pooling of interests will allow Applicant to obtain a just and fair share of the oil and gas underlying the subject lands, avoid the drilling of unnecessary wells, will prevent waste, and will protect correlative rights.

- A. Pooling all uncommitted interests in the horizontal well spacing unit;
- B. Designating Permian Resources Operating, LLC (OGRID No. 372165) as operator of the horizontal spacing unit and the horizontal well to be drilled thereon;
- C. Authorizing Applicant to recover its costs of drilling, completing, and equipping the well;
- D. Approving the actual operating charges and costs of supervision while drilling and after completion, together with a provision adjusting the rates pursuant to the COPAS accounting procedures; and
- E. Imposing a 200% penalty for the risk assumed by Applicant in drilling and completing the well against any working interest owner who does not voluntarily participate in the drilling of the well.

Respectfully submitted,

HOLLAND & HART LLP

By:

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CASE :

Application of Read & Stevens, Inc. for Compulsory Pooling, Lea County, New Mexico. Applicant in the above-styled cause seeks an order pooling all uncommitted interests in the Wolfcamp formation underlying a standard 320-acre, more or less, horizontal well spacing comprised of Lot 1 (NE/4 NE/4 equivalent), the SE/4 NE/4, and the E/2 SE/4 of Section 4 and the E/2 E/2 of Section 9, Township 20 South, Range 34 East, NMPM, Lea County, New Mexico. Said unit will be initially dedicated to the proposed Bane 4-9 Federal Com 204H well, to be horizontally drilled from a surface location in the NE/4 NE/4 (Lot 1) of Section 4, Township 20 South, Range 34 East, to a bottom hole location in the SE/4 SE/4 (Unit P) of Section 9, Township 20 South, Range 34 East. Also, to be considered will be the cost of drilling and completing the well and the allocation of the cost thereof, actual operating costs and charges for supervision, designation of Applicant as operator of the well, and a 200% charge for risk involved in drilling said well. Said area is located approximately 27 miles southwest of Hobbs, New Mexico.

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STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT **OIL CONSERVATION DIVISION**

APPLICATION OF READ & STEVENS, INC. FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO.

CASE NO. 23516

APPLICATION

Read & Stevens, Inc., through its undersigned attorneys, hereby files this application with

the Oil Conservation Division pursuant to the provisions of NMSA 1978, § 70-2-17, for an order

pooling all uncommitted interests in the Bone Spring formation underlying a standard 320-acre,

more or less, horizontal well spacing comprised of Lot 4 (NW/4 NW/4 equivalent), the SW/4

NW/4, and the W/2 SW/4 of Section 5 and the W/2 W/2 of Section 8, Township 20 South, Range

34 East, NMPM, Lea County, New Mexico. In support of its application, Applicant states:

1. Applicant is a working interest owner in the proposed horizontal spacing unit and

has the right to drill thereon.

2. Applicant seeks to designate Permian Resources Operating, LLC (OGRID No.

372165) as the operator of the proposed horizontal spacing unit and of the proposed initial wells.

3. Applicant seeks to initially dedicate the above-referenced horizontal spacing unit

to the following proposed initial wells:

Joker 5-8 Federal Com 111H, 121H, 122H, 171H, and 131H wells, to be

horizontally drilled from a surface location in the NE/4 NW/4 (Lot 3) of Section 5,

Township 20 South, Range 34 East, to bottom hole locations in the SW/4 SW/4

(Unit M) of Section 8, Township 20 South, Range 34 East.

BEFORE THE OIL CONSERVATION DIVISION

Santa Fe, New Mexico Exhibit No. A Submitted by: Read & Stevens, Inc.

Hearing Date: July 20, 2023

Case No. 23516

- 4. Applicant has sought and been unable to obtain voluntary agreement for the development of these lands from all interest owners in the subject spacing unit.
- 5. The pooling of interests will allow Applicant to obtain a just and fair share of the oil and gas underlying the subject lands, avoid the drilling of unnecessary wells, will prevent waste, and will protect correlative rights.
- 6. This application competes with the *Application of Cimarex Energy Co. for a Horizontal Spacing and Proration Unit and Compulsory Pooling, Lea County, New Mexico* filed in Case No. 23449. Applicant therefore requests that this matter be set on the June 1, 2023, and thereafter consolidated with Case No. 23449 for a contested hearing under the Prehearing Order issued in these competing cases.

- A. Pooling all uncommitted interests in the horizontal well spacing unit;
- B. Designating Permian Resources Operating, LLC (OGRID No. 372165) as operator of the horizontal spacing unit and the horizontal wells to be drilled thereon;
- C. Authorizing Applicant to recover its costs of drilling, completing, and equipping the wells;
- D. Approving the actual operating charges and costs of supervision while drilling and after completion, together with a provision adjusting the rates pursuant to the COPAS accounting procedures; and

E. Imposing a 200% penalty for the risk assumed by Applicant in drilling and completing the wells against any working interest owner who does not voluntarily participate in the drilling of the wells.

Respectfully submitted,

HOLLAND & HART LLP

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CASE :

Application of Read & Stevens, Inc. for Compulsory Pooling, Lea County, New Mexico. Applicant in the above-styled cause seeks an order pooling all uncommitted interests in the Bone Spring formation underlying a standard 320-acre, more or less, horizontal well spacing comprised of Lot 4 (NW/4 NW/4 equivalent), the SW/4 NW/4, and the W/2 SW/4 of Section 5 and the W/2 W/2 of Section 8, Township 20 South, Range 34 East, NMPM, Lea County, New Mexico. Said unit will be initially dedicated to the proposed Joker 5-8 Federal Com 111H, 121H, 122H, 171H, and **131H** wells, to be horizontally drilled from a surface location in the NE/4 NW/4 (Lot 3) of Section 5, Township 20 South, Range 34 East, to bottom hole locations in the SW/4 SW/4 (Unit M) of Section 8, Township 20 South, Range 34 East. Also, to be considered will be the cost of drilling and completing the well and the allocation of the cost thereof, actual operating costs and charges for supervision, designation of Applicant as operator of the wells, and a 200% charge for risk involved in drilling said wells. Said area is located approximately 40 miles northeast of Carlsbad, New Mexico.

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STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

APPLICATION OF READ & STEVENS, INC. FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO.

CASE NO. <u>23517</u>

APPLICATION

Read & Stevens, Inc., through its undersigned attorneys, hereby files this application with the Oil Conservation Division pursuant to the provisions of NMSA 1978, § 70-2-17, for an order pooling all uncommitted interests in the Bone Spring formation underlying a standard 320-acre,

more or less, horizontal well spacing comprised of Lot 3 (NE/4 NW/4 equivalent), the SE/4 NW/4,

and the E/2 SW/4 of Section 5 and the E/2 W/2 of Section 8, Township 20 South, Range 34 East,

NMPM, Lea County, New Mexico. In support of its application, Applicant states:

1. Applicant is a working interest owner in the proposed horizontal spacing unit and

has the right to drill thereon.

2. Applicant seeks to designate Permian Resources Operating, LLC (OGRID No.

372165) as the operator of the proposed horizontal spacing unit and of the proposed initial wells.

3. Applicant seeks to initially dedicate the above-referenced horizontal spacing unit

to the following proposed initial wells:

• **Joker 5-8 Federal Com 112H, 123H, 124H, 172H, 132H** wells, to be horizontally

drilled from a surface location in the NE/4 NW/4 (Lot 3) of Section 5, Township

20 South, Range 34 East, to bottom hole locations in the SE/4 SW/4 (Unit N) of

Section 8, Township 20 South, Range 34 East.

BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Exhibit No. A
Submitted by: Read & Stevens, Inc.
Hearing Date: July 20, 2023

Case No. 23517

- 4. Applicant has sought and been unable to obtain voluntary agreement for the development of these lands from all interest owners in the subject spacing unit.
- 5. The pooling of interests will allow Applicant to obtain a just and fair share of the oil and gas underlying the subject lands, avoid the drilling of unnecessary wells, will prevent waste, and will protect correlative rights.
- 6. This application competes with the *Application of Cimarex Energy Co. for a Horizontal Spacing and Proration Unit and Compulsory Pooling, Lea County, New Mexico* filed in Case No. 23450. Applicant therefore requests that this matter be set on the June 1, 2023, and consolidated with Case No. 23450 for a contested hearing under the Prehearing Order issued in these competing cases.

- A. Pooling all uncommitted interests in the horizontal well spacing unit;
- B. Designating Permian Resources Operating, LLC (OGRID No. 372165) as operator of the horizontal spacing unit and the horizontal wells to be drilled thereon;
- C. Authorizing Applicant to recover its costs of drilling, completing, and equipping the wells;
- D. Approving the actual operating charges and costs of supervision while drilling and after completion, together with a provision adjusting the rates pursuant to the COPAS accounting procedures; and

E. Imposing a 200% penalty for the risk assumed by Applicant in drilling and completing the wells against any working interest owner who does not voluntarily participate in the drilling of the wells.

Respectfully submitted,

HOLLAND & HART LLP

By:

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CASE ____:

Application of Read & Stevens, Inc. for Compulsory Pooling, Lea County, New Mexico. Applicant in the above-styled cause seeks an order pooling all uncommitted interests in the Bone Spring formation underlying a standard 320-acre, more or less, horizontal well spacing comprised of Lot 3 (NE/4 NW/4 equivalent), the SE/4 NW/4, and the E/2 SW/4 of Section 5 and the E/2 W/2 of Section 8, Township 20 South, Range 34 East, NMPM, Lea County, New Mexico. Said unit will be initially dedicated to the proposed Joker 5-8 Federal Com 112H, 123H, 124H, 172H, 132H wells, to be horizontally drilled from a surface location in the NE/4 NW/4 (Lot 3) of Section 5, Township 20 South, Range 34 East, to bottom hole locations in the SE/4 SW/4 (Unit N) of Section 8, Township 20 South, Range 34 East. Also, to be considered will be the cost of drilling and completing the well and the allocation of the cost thereof, actual operating costs and charges for supervision, designation of Applicant as operator of the wells, and a 200% charge for risk involved in drilling said wells. Said area is located approximately 40 miles northeast of Carlsbad, New Mexico.

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STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT **OIL CONSERVATION DIVISION**

APPLICATION OF READ & STEVENS, INC. FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO.

CASE NO. 23518

APPLICATION

Read & Stevens, Inc., through its undersigned attorneys, hereby files this application with the Oil Conservation Division pursuant to the provisions of NMSA 1978, § 70-2-17, for an order

pooling all uncommitted interests in the Bone Spring formation underlying a standard 320-acre,

more or less, horizontal well spacing comprised of Lot 2 (NW/4 NE/4 equivalent), the SW/4 NE/4,

and the W/2 SE/4 of Section 5 and the W/2 E/2 of Section 8, Township 20 South, Range 34 East,

NMPM, Lea County, New Mexico. In support of its application, Applicant states:

1. Applicant is a working interest owner in the proposed horizontal spacing unit and

has the right to drill thereon.

2. Applicant seeks to designate Permian Resources Operating, LLC (OGRID No.

372165) as the operator of the proposed horizontal spacing unit and of the proposed initial wells.

3. Applicant seeks to initially dedicate the above-referenced horizontal spacing unit

1

to the following proposed initial wells:

Joker 5-8 Federal Com 113H, 125H, 126H, 173H, 133H wells, to be horizontally

drilled from a surface location in the NW/4 NE/4 (Lot 2) of Section 5, Township

20 South, Range 34 East, to bottom hole locations in the SW/4 SE/4 (Unit O) of

Section 8, Township 20 South, Range 34 East.

BEFORE THE OIL CONSERVATION DIVISION Santa Fe, New Mexico

Exhibit No. A Submitted by: Read & Stevens, Inc. Hearing Date: July 20, 2023

Case No. 23518

- 4. Applicant has sought and been unable to obtain voluntary agreement for the development of these lands from all interest owners in the subject spacing unit.
- 5. The pooling of interests will allow Applicant to obtain a just and fair share of the oil and gas underlying the subject lands, avoid the drilling of unnecessary wells, will prevent waste, and will protect correlative rights.
- 6. This application competes with the *Application of Cimarex Energy Co. for a Horizontal Spacing and Proration Unit and Compulsory Pooling, Lea County, New Mexico* filed in Case No. 23451. Applicant therefore requests that this matter be set on the June 1, 2023, and consolidated with Case No. 23451 for a contested hearing under the Prehearing Order issued in these competing cases.

- A. Pooling all uncommitted interests in the horizontal well spacing unit;
- B. Designating Permian Resources Operating, LLC (OGRID No. 372165) as operator of the horizontal spacing unit and the horizontal wells to be drilled thereon;
- C. Authorizing Applicant to recover its costs of drilling, completing, and equipping the wells;
- D. Approving the actual operating charges and costs of supervision while drilling and after completion, together with a provision adjusting the rates pursuant to the COPAS accounting procedures; and

E. Imposing a 200% penalty for the risk assumed by Applicant in drilling and completing the wells against any working interest owner who does not voluntarily participate in the drilling of the wells.

Respectfully submitted,

HOLLAND & HART LLP

By:

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pmvance@hollandhart.com

CASE :

Application of Read & Stevens, Inc. for Compulsory Pooling, Lea County, New Mexico. Applicant in the above-styled cause seeks an order pooling all uncommitted interests in the Bone Spring formation underlying a standard 320-acre, more or less, horizontal well spacing comprised of Lot 2 (NW/4 NE/4 equivalent), the SW/4 NE/4, and the W/2 SE/4 of Section 5 and the W/2 E/2 of Section 8, Township 20 South, Range 34 East, NMPM, Lea County, New Mexico. Said unit will be initially dedicated to the proposed Joker 5-8 Federal Com 113H, 125H, 126H, 173H, 133H wells, to be horizontally drilled from a surface location in the NW/4 NE/4 (Lot 2) of Section 5, Township 20 South, Range 34 East, to bottom hole locations in the SW/4 SE/4 (Unit O) of Section 8, Township 20 South, Range 34 East. Also, to be considered will be the cost of drilling and completing the well and the allocation of the cost thereof, actual operating costs and charges for supervision, designation of Applicant as operator of the wells, and a 200% charge for risk involved in drilling said wells. Said area is located approximately 27 miles southwest of Hobbs, New Mexico.

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STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT **OIL CONSERVATION DIVISION**

APPLICATION OF READ & STEVENS, INC. FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO.

CASE NO. 23519

APPLICATION

Read & Stevens, Inc., through its undersigned attorneys, hereby files this application with

the Oil Conservation Division pursuant to the provisions of NMSA 1978, § 70-2-17, for an order

pooling all uncommitted interests in the Bone Spring formation underlying a standard 320-acre,

more or less, horizontal well spacing comprised of Lot 1 (NE/4 NE/4 equivalent), the SE/4 NE/4,

and the E/2 SE/4 of Section 5 and the E/2 E/2 of Section 8, Township 20 South, Range 34 East,

NMPM, Lea County, New Mexico. In support of its application, Applicant states:

1. Applicant is a working interest owner in the proposed horizontal spacing unit and

has the right to drill thereon.

2. Applicant seeks to designate Permian Resources Operating, LLC (OGRID No.

372165) as the operator of the proposed horizontal spacing unit and of the proposed initial wells.

1

3. Applicant seeks to initially dedicate the above-referenced horizontal spacing unit

to the following proposed initial wells:

Joker 5-8 Federal Com 114H, 127H, 128H, 174H, 134H wells, to be horizontally

drilled from a surface location in the NW/4 NE/4 (Lot 2) of Section 5, Township

20 South, Range 34 East, to bottom hole locations in the SE/4 SE/4 (Unit P) of

Section 8, Township 20 South, Range 34 East.

BEFORE THE OIL CONSERVATION DIVISION Santa Fe, New Mexico

Exhibit No. A Submitted by: Read & Stevens, Inc.

Hearing Date: July 20, 2023

Case No. 23519

- 4. Applicant has sought and been unable to obtain voluntary agreement for the development of these lands from all interest owners in the subject spacing unit.
- 5. The pooling of interests will allow Applicant to obtain a just and fair share of the oil and gas underlying the subject lands, avoid the drilling of unnecessary wells, will prevent waste, and will protect correlative rights.
- 6. This application competes with the *Application of Cimarex Energy Co. for a Horizontal Spacing and Proration Unit and Compulsory Pooling, Lea County, New Mexico* filed in Case No. 23448. Applicant therefore requests that this matter be set on the June 1, 2023, and consolidated with Case No. 23448 for a contested hearing under the Prehearing Order issued in these competing cases.

- A. Pooling all uncommitted interests in the horizontal well spacing unit;
- B. Designating Permian Resources Operating, LLC (OGRID No. 372165) as operator of the horizontal spacing unit and the horizontal wells to be drilled thereon;
- C. Authorizing Applicant to recover its costs of drilling, completing, and equipping the wells;
- D. Approving the actual operating charges and costs of supervision while drilling and after completion, together with a provision adjusting the rates pursuant to the COPAS accounting procedures; and

E. Imposing a 200% penalty for the risk assumed by Applicant in drilling and completing the wells against any working interest owner who does not voluntarily participate in the drilling of the wells.

Respectfully submitted,

HOLLAND & HART LLP

By:

Michael H. Feldewert
Adam G. Rankin
Julia Broggi
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CASE :

Application of Read & Stevens, Inc. for Compulsory Pooling, Lea County, New Mexico. Applicant in the above-styled cause seeks an order pooling all uncommitted interests in the Bone Spring formation underlying a standard 320-acre, more or less, horizontal well spacing comprised of Lot 1 (NE/4 NE/4 equivalent), the SE/4 NE/4, and the E/2 SE/4 of Section 5 and the E/2 E/2 of Section 8, Township 20 South, Range 34 East, NMPM, Lea County, New Mexico. Said unit will be initially dedicated to the proposed Joker 5-8 Federal Com 114H, 127H, 128H, 174H, 134H wells, to be horizontally drilled from a surface location in the NW/4 NE/4 (Lot 2) of Section 5, Township 20 South, Range 34 East, to bottom hole locations in the SE/4 SE/4 (Unit P) of Section 8, Township 20 South, Range 34 East. Also, to be considered will be the cost of drilling and completing the wells and the allocation of the cost thereof, actual operating costs and charges for supervision, designation of Applicant as operator of the wells, and a 200% charge for risk involved in drilling said wells. Said area is located approximately 27 miles southwest of Hobbs, New Mexico.

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STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT **OIL CONSERVATION DIVISION**

APPLICATION OF READ & STEVENS, INC. FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO.

CASE NO. 23520

APPLICATION

Read & Stevens, Inc., through its undersigned attorneys, hereby files this application with

the Oil Conservation Division pursuant to the provisions of NMSA 1978, § 70-2-17, for an order

pooling all uncommitted interests in the Wolfcamp formation underlying a standard 320-acre,

more or less, horizontal well spacing comprised of Lot 4 (NW/4 NW/4 equivalent), the SW/4

NW/4, and the W/2 SW/4 of Section 5 and the W/2 W/2 of Section 8, Township 20 South, Range

34 East, NMPM, Lea County, New Mexico. In support of its application, Applicant states:

1. Applicant is a working interest owner in the proposed horizontal spacing unit and

has the right to drill thereon.

2. Applicant seeks to designate Permian Resources Operating, LLC (OGRID No.

372165) as the operator of the proposed horizontal spacing unit and of the proposed initial well.

1

3. Applicant seeks to initially dedicate the above-referenced horizontal spacing unit

to the following proposed initial well:

Joker 5-8 Federal Com 201H well, to be horizontally drilled from a surface

location in the NE/4 NW/4 (Lot 3) of Section 5, Township 20 South, Range 34 East,

to a bottom hole location in the SW/4 SW/4 (Unit M) of Section 8, Township 20

South, Range 34 East.

BEFORE THE OIL CONSERVATION DIVISION Santa Fe, New Mexico

Exhibit No. A Submitted by: Read & Stevens, Inc.

Hearing Date: July 20, 2023

Case No. 23520

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- 4. Applicant has sought and been unable to obtain voluntary agreement for the development of these lands from all interest owners in the subject spacing unit.
- 5. The pooling of interests will allow Applicant to obtain a just and fair share of the oil and gas underlying the subject lands, avoid the drilling of unnecessary wells, will prevent waste, and will protect correlative rights.

- A. Pooling all uncommitted interests in the horizontal well spacing unit;
- B. Designating Permian Resources Operating, LLC (OGRID No. 372165) as operator of the horizontal spacing unit and the horizontal well to be drilled thereon;
- C. Authorizing Applicant to recover its costs of drilling, completing, and equipping the well;
- D. Approving the actual operating charges and costs of supervision while drilling and after completion, together with a provision adjusting the rates pursuant to the COPAS accounting procedures; and
- E. Imposing a 200% penalty for the risk assumed by Applicant in drilling and completing the well against any working interest owner who does not voluntarily participate in the drilling of the well.

Respectfully submitted,

HOLLAND & HART LLP

By:

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CASE :

Application of Read & Stevens, Inc. for Compulsory Pooling, Lea County, New Mexico. Applicant in the above-styled cause seeks an order pooling all uncommitted interests in the Wolfcamp formation underlying a standard 320-acre, more or less, horizontal well spacing comprised of Lot 4 (NW/4 NW/4 equivalent), the SW/4 NW/4, and the W/2 SW/4 of Section 5 and the W/2 W/2 of Section 8, Township 20 South, Range 34 East, NMPM, Lea County, New Mexico. Said unit will be initially dedicated to the proposed Joker 5-8 Federal Com 201H well, to be horizontally drilled from a surface location in the NE/4 NW/4 (Lot 3) of Section 5, Township 20 South, Range 34 East, to a bottom hole location in the SW/4 SW/4 (Unit M) of Section 8, Township 20 South, Range 34 East. Also, to be considered will be the cost of drilling and completing the well and the allocation of the cost thereof, actual operating costs and charges for supervision, designation of Applicant as operator of the well, and a 200% charge for risk involved in drilling said well. Said area is located approximately 40 miles northeast of Carlsbad, New Mexico.

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STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT **OIL CONSERVATION DIVISION**

APPLICATION OF READ & STEVENS, INC. FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO.

CASE NO. 23521

APPLICATION

Read & Stevens, Inc., through its undersigned attorneys, hereby files this application with

the Oil Conservation Division pursuant to the provisions of NMSA 1978, § 70-2-17, for an order

pooling all uncommitted interests in the Wolfcamp formation underlying a standard 320-acre,

more or less, horizontal well spacing comprised of Lot 3 (NE/4 NW/4 equivalent), the SE/4 NW/4,

and the E/2 SW/4 of Section 5 and the E/2 W/2 of Section 8, Township 20 South, Range 34 East,

NMPM, Lea County, New Mexico. In support of its application, Applicant states:

1. Applicant is a working interest owner in the proposed horizontal spacing unit and

has the right to drill thereon.

2. Applicant seeks to designate Permian Resources Operating, LLC (OGRID No.

372165) as the operator of the proposed horizontal spacing unit and of the proposed initial well.

3. Applicant seeks to initially dedicate the above-referenced horizontal spacing unit

1

to the following proposed initial well:

Joker 5-8 Federal Com 202H well, to be horizontally drilled from a surface

location in the NE/4 NW/4 (Lot 3) of Section 5, Township 20 South, Range 34 East,

to a bottom hole location in the SE/4 SW/4 (Unit N) of Section 8, Township 20

South, Range 34 East.

BEFORE THE OIL CONSERVATION DIVISION

Santa Fe, New Mexico Exhibit No. A Submitted by: Read & Stevens, Inc.

Hearing Date: July 20, 2023

Case No. 23521

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- 4. Applicant has sought and been unable to obtain voluntary agreement for the development of these lands from all interest owners in the subject spacing unit.
- 5. The pooling of interests will allow Applicant to obtain a just and fair share of the oil and gas underlying the subject lands, avoid the drilling of unnecessary wells, will prevent waste, and will protect correlative rights.

- A. Pooling all uncommitted interests in the horizontal well spacing unit;
- B. Designating Permian Resources Operating, LLC (OGRID No. 372165) as operator of the horizontal spacing unit and the horizontal well to be drilled thereon;
- C. Authorizing Applicant to recover its costs of drilling, completing, and equipping the well;
- D. Approving the actual operating charges and costs of supervision while drilling and after completion, together with a provision adjusting the rates pursuant to the COPAS accounting procedures; and
- E. Imposing a 200% penalty for the risk assumed by Applicant in drilling and completing the well against any working interest owner who does not voluntarily participate in the drilling of the well.

Respectfully submitted,

HOLLAND & HART LLP

By:

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Adam G. Rankin
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CASE ____:

Application of Read & Stevens, Inc. for Compulsory Pooling, Lea County, New Mexico. Applicant in the above-styled cause seeks an order pooling all uncommitted interests in the Wolfcamp formation underlying a standard 320-acre, more or less, horizontal well spacing comprised of Lot 3 (NE/4 NW/4 equivalent), the SE/4 NW/4, and the E/2 SW/4 of Section 5 and the E/2 W/2 of Section 8, Township 20 South, Range 34 East, NMPM, Lea County, New Mexico. Said unit will be initially dedicated to the proposed Joker 5-8 Federal Com 202H well, to be horizontally drilled from a surface location in the NE/4 NW/4 (Lot 3) of Section 5, Township 20 South, Range 34 East, to a bottom hole location in the SE/4 SW/4 (Unit N) of Section 8, Township 20 South, Range 34 East. Also, to be considered will be the cost of drilling and completing the well and the allocation of the cost thereof, actual operating costs and charges for supervision, designation of Applicant as operator of the well, and a 200% charge for risk involved in drilling said well. Said area is located approximately 40 miles northeast of Carlsbad, New Mexico.

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STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT **OIL CONSERVATION DIVISION**

APPLICATION OF READ & STEVENS, INC. FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO.

CASE NO. 23522

APPLICATION

Read & Stevens, Inc., through its undersigned attorneys, hereby files this application with

the Oil Conservation Division pursuant to the provisions of NMSA 1978, § 70-2-17, for an order

pooling all uncommitted interests in the Wolfcamp formation underlying a standard 320-acre,

more or less, horizontal well spacing comprised of Lot 2 (NW/4 NE/4 equivalent), the SW/4 NE/4,

and the W/2 SE/4 of Section 5 and the W/2 E/2 of Section 8, Township 20 South, Range 34 East,

NMPM, Lea County, New Mexico. In support of its application, Applicant states:

1. Applicant is a working interest owner in the proposed horizontal spacing unit and

has the right to drill thereon.

2. Applicant seeks to designate Permian Resources Operating, LLC (OGRID No.

372165) as the operator of the proposed horizontal spacing unit and of the proposed initial well.

1

3. Applicant seeks to initially dedicate the above-referenced horizontal spacing unit

to the following proposed initial well:

Joker 5-8 Federal Com 203H well, to be horizontally drilled from a surface

location in the NW/4 NE/4 (Lot 2) of Section 5, Township 20 South, Range 34 East,

to a bottom hole location in the SW/4 SE/4 (Unit O) of Section 8, Township 20

South, Range 34 East.

BEFORE THE OIL CONSERVATION DIVISION Santa Fe, New Mexico

Exhibit No. A

Submitted by: Read & Stevens, Inc. Hearing Date: July 20, 2023

Case No. 23522

- 4. Applicant has sought and been unable to obtain voluntary agreement for the development of these lands from all interest owners in the subject spacing unit.
- 5. The pooling of interests will allow Applicant to obtain a just and fair share of the oil and gas underlying the subject lands, avoid the drilling of unnecessary wells, will prevent waste, and will protect correlative rights.

- A. Pooling all uncommitted interests in the horizontal well spacing unit;
- B. Designating Permian Resources Operating, LLC (OGRID No. 372165) as operator of the horizontal spacing unit and the horizontal well to be drilled thereon;
- C. Authorizing Applicant to recover its costs of drilling, completing, and equipping the well;
- D. Approving the actual operating charges and costs of supervision while drilling and after completion, together with a provision adjusting the rates pursuant to the COPAS accounting procedures; and
- E. Imposing a 200% penalty for the risk assumed by Applicant in drilling and completing the well against any working interest owner who does not voluntarily participate in the drilling of the well.

Respectfully submitted,

HOLLAND & HART LLP

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CASE :

Application of Read & Stevens, Inc. for Compulsory Pooling, Lea County, New Mexico. Applicant in the above-styled cause seeks an order pooling all uncommitted interests in the Wolfcamp formation underlying a standard 320-acre, more or less, horizontal well spacing comprised of Lot 2 (NW/4 NE/4 equivalent), the SW/4 NE/4, and the W/2 SE/4 of Section 5 and the W/2 E/2 of Section 8, Township 20 South, Range 34 East, NMPM, Lea County, New Mexico. Said unit will be initially dedicated to the proposed Joker 5-8 Federal Com 203H well, to be horizontally drilled from a surface location in the NW/4 NE/4 (Lot 2) of Section 5, Township 20 South, Range 34 East, to a bottom hole location in the SW/4 SE/4 (Unit O) of Section 8, Township 20 South, Range 34 East. Also, to be considered will be the cost of drilling and completing the well and the allocation of the cost thereof, actual operating costs and charges for supervision, designation of Applicant as operator of the well, and a 200% charge for risk involved in drilling said well. Said area is located approximately 27 miles southwest of Hobbs, New Mexico.

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STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

APPLICATION OF READ & STEVENS, INC. FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO.

CASE NO. 23523

APPLICATION

Read & Stevens, Inc., through its undersigned attorneys, hereby files this application with the Oil Conservation Division pursuant to the provisions of NMSA 1978, § 70-2-17, for an order pooling all uncommitted interests in the Wolfcamp formation underlying a standard 320-acre,

more or less, horizontal well spacing comprised of Lot 1 (NE/4 NE/4 equivalent), the SE/4 NE/4,

and the E/2 SE/4 of Section 5 and the E/2 E/2 of Section 8, Township 20 South, Range 34 East,

NMPM, Lea County, New Mexico. In support of its application, Applicant states:

1. Applicant is a working interest owner in the proposed horizontal spacing unit and

has the right to drill thereon.

2. Applicant seeks to designate Permian Resources Operating, LLC (OGRID No.

372165) as the operator of the proposed horizontal spacing unit and of the proposed initial well.

3. Applicant seeks to initially dedicate the above-referenced horizontal spacing unit

to the following proposed initial well:

Joker 5-8 Federal Com 204H well, to be horizontally drilled from a surface

location in the NW/4 NE/4 (Lot 2) of Section 5, Township 20 South, Range 34 East,

to a bottom hole location in the SE/4 SE/4 (Unit P) of Section 8, Township 20

South, Range 34 East.

BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico

Exhibit No. A Submitted by: Read & Stevens, Inc. Hearing Date: July 20, 2023

Case No. 23523

- 4. Applicant has sought and been unable to obtain voluntary agreement for the development of these lands from all interest owners in the subject spacing unit.
- 5. The pooling of interests will allow Applicant to obtain a just and fair share of the oil and gas underlying the subject lands, avoid the drilling of unnecessary wells, will prevent waste, and will protect correlative rights.

- A. Pooling all uncommitted interests in the horizontal well spacing unit;
- B. Designating Permian Resources Operating, LLC (OGRID No. 372165) as operator of the horizontal spacing unit and the horizontal well to be drilled thereon;
- C. Authorizing Applicant to recover its costs of drilling, completing, and equipping the well;
- D. Approving the actual operating charges and costs of supervision while drilling and after completion, together with a provision adjusting the rates pursuant to the COPAS accounting procedures; and
- E. Imposing a 200% penalty for the risk assumed by Applicant in drilling and completing the well against any working interest owner who does not voluntarily participate in the drilling of the well.

Respectfully submitted,

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CASE ____:

Application of Read & Stevens, Inc. for Compulsory Pooling, Lea County, New Mexico. Applicant in the above-styled cause seeks an order pooling all uncommitted interests in the Wolfcamp formation underlying a standard 320-acre, more or less, horizontal well spacing comprised of Lot 1 (NE/4 NE/4 equivalent), the SE/4 NE/4, and the E/2 SE/4 of Section 5 and the E/2 E/2 of Section 8, Township 20 South, Range 34 East, NMPM, Lea County, New Mexico. Said unit will be initially dedicated to the proposed Joker 5-8 Federal Com 204H well, to be horizontally drilled from a surface location in the NW/4 NE/4 (Lot 2) of Section 5, Township 20 South, Range 34 East, to a bottom hole location in the SE/4 SE/4 (Unit P) of Section 8, Township 20 South, Range 34 East. Also, to be considered will be the cost of drilling and completing the well and the allocation of the cost thereof, actual operating costs and charges for supervision, designation of Applicant as operator of the well, and a 200% charge for risk involved in drilling said well. Said area is located approximately 27 miles southwest of Hobbs, New Mexico.

COMPULSORY POOLING APPLICATION CHECKLIST

ALL INFORMATION IN THE APPLICATION MUST BE SUPPORTED BY SIGNED AFFIDAVITS

Case: 23508	APPLICANT'S RESPONSE
Date	July 20, 2023
Applicant	Read & Stevens, Inc.
Designated Operator & OGRID (affiliation if applicable)	Permian Resources Operating, LLC (372165)
Applicant's Counsel:	Holland & Hart LLP
Case Title:	APPLICATION OF READ & STEVENS, INC. FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO
Entries of Appearance/Intervenors:	Cimarex Energy Co., Sandstone Properties, LLC, Northern Oil and Gas, Inc.
Well Family	Bane
Formation/Pool	
Formation Name(s) or Vertical Extent:	Bone Spring formation
Primary Product (Oil or Gas):	Oil
Pooling this vertical extent:	N/A
Pool Name and Pool Code:	Teas; Bone Spring, East (96637)
Well Location Setback Rules:	Statewide setbacks
Spacing Unit	
Type (Horizontal/Vertical)	Horizontal
Size (Acres)	320.21-acre, more or less
Building Blocks:	40 acres
Orientation:	Standup
Description: TRS/County	Lot 4 (NW/4 NW/4 equivalent), the SW/4 NW/4, and the W/2 SW/4 of Section 4 and the W/2 W/2 of Section 9, Township 20 South, Range 34 East, NMPM, Lea County, New Mexico
Standard Horizontal Well Spacing Unit (Y/N), If No, describe and is approval of non-standard unit requested in this application?	Yes
Other Situations	
Depth Severance: Y/N. If yes, description	N/A
Proximity Tracts: If yes, description	NO BEFORE THE OIL CONSERVATION DIVISION Santa Fe, New Mexico Exhibit No. B
Proximity Defining Well: if yes, description	No Submitted by: Read & Stevens, Inc. Hearing Date: July 20, 2023 Case No. 23508
Applicant's Ownership in Each Tract	Exhibit C-9
Well(s)	
Name & API (if assigned), surface and bottom hole location, footages, completion target, orientation, completion status (standard or non-standard)	Add wells as needed

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Well #1	Bane 4-9 Fed Com 111H: SHL: 628' FNL, 1,071' FWL (Lot 4) of Section 4 BHL: 10' FSL, 330' FWL (Unit M) of Section 9 Completion Target: Bone Spring formation Well Orientation: North-South Completion Location expected to be: Standard
Well #2	Bane 4-9 Fed Com 121H: SHL: 628' FNL, 1,137' FWL (Lot 4) of Section 4 BHL: 10' FSL, 330' FWL (Unit M) of Section 9 Completion Target: Bone Spring formation Well Orientation: North-South Completion Location expected to be: Standard
Well #3	Bane 4-9 Fed Com 122H: SHL: 628' FNL, 1,170' FWL (Lot 4) of Section 4 BHL: 10' FSL, 990' FWL (Unit M) of Section 9 Completion Target: Bone Spring formation Well Orientation: North-South Completion Location expected to be: Standard
Well #4	Bane 4-9 Fed Com 171H: SHL: 498' FNL, 1,070' FWL (Lot 4) of Section 4 BHL: 10' FSL, 990' FWL (Unit M) of Section 9 Completion Target: Bone Spring formation Well Orientation: North-South Completion Location expected to be: Standard
Well #5	Bane 4-9 Fed Com 131H: SHL: 498' FNL, 1,103' FWL (Lot 4) of Section 4 BHL: 10' FSL, 330' FWL (Unit M) of Section 9 Completion Target: Bone Spring formation Well Orientation: North-South Completion Location expected to be: Standard
Horizontal Well First and Last Take Points	Exhibit C-1
Completion Target (Formation, TVD and MD)	Exhibit C-10
AFE Capex and Operating Costs	
Drilling Supervision/Month \$	\$8,000
Production Supervision/Month \$	\$800
Justification for Supervision Costs	Exhibit C
Requested Risk Charge	200%
Notice of Hearing	
Proposed Notice of Hearing	Exhibit A
Proof of Mailed Notice of Hearing (20 days before hearing)	Exhibit G
Proof of Published Notice of Hearing (10 days before hearing)	Exhibit H
Ownership Determination	
Land Ownership Schematic of the Spacing Unit	Exhibit C-3
Tract List (including lease numbers and owners)	Exhibit C-3, C-5, C-6, C-7, C-9

If approval of Non-Standard Spacing Unit is requested, Tract List (including lease numbers and owners) of Tracts subject to notice requirements.	
Pooled Parties (including ownership type)	Exhibit C-5, C-6, C-7
Unlocatable Parties to be Pooled	None
Ownership Depth Severance (including percentage above & below)	N/A
Joinder	
Sample Copy of Proposal Letter	Exhibit C-10
List of Interest Owners (ie Exhibit A of JOA)	Exhibit C-9
Chronology of Contact with Non-Joined Working Interests	Exhibit C-11
Overhead Rates In Proposal Letter	Exhibit C-10
Cost Estimate to Drill and Complete	Exhibit C-10
Cost Estimate to Equip Well	Exhibit C-10
Cost Estimate for Production Facilities	Exhibit C-10
Geology	
Summary (including special considerations)	Exhibit E
Spacing Unit Schematic	Exhibit E-8
Gunbarrel/Lateral Trajectory Schematic	Exhibit E-14
Well Orientation (with rationale)	Exhibit E
Target Formation	Exhibit E, E-13
HSU Cross Section	Exhibit E-13
Depth Severance Discussion	N/A
Forms, Figures and Tables	
C-102	Exhibit C-1
Tracts	Exhibit C-3
Summary of Interests, Unit Recapitulation (Tracts)	Exhibit C-3, C-5, C-6, C-7, C-9
General Location Map (including basin)	Exhibit E-1
Well Bore Location Map	Exhibit E-8
Structure Contour Map - Subsea Depth	Exhibit E-9, E-10, E-11, E-12
Cross Section Location Map (including wells)	Exhibit E-9, E-10, E-11, E-12
Cross Section (including Landing Zone)	Exhibit C-13
Additional Information	
Special Provisions/Stipulations	See Exhibit C, para. 25
CERTIFICATION: I hereby certify that the information provide	ed in this checklist is complete and accurate.
Printed Name (Attorney or Party Representative):	Adam G. Rankin
Signed Name (Attorney or Party Representative):	
Date: Released to Imaging: 7/14/2023 1:35:37 PM	7/13/202

ALL INFORMATION IN THE APPLICATION MUST BE SUPPORTED BY SIGNED AFFIDAVITS

Case: 23509	APPLICANT'S RESPONSE
Date	July 20, 2023
Applicant	Read & Stevens, Inc.
Designated Operator & OGRID (affiliation if applicable)	Permian Resources Operating, LLC (372165)
Applicant's Counsel:	Holland & Hart LLP
Case Title:	APPLICATION OF READ & STEVENS, INC. FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO
Entries of Appearance/Intervenors:	Cimarex Energy Co., Sandstone Properties, LLC, Northern Oil and Gas, Inc.
Well Family	Bane
Formation/Pool	
Formation Name(s) or Vertical Extent:	Bone Spring formation
Primary Product (Oil or Gas):	Oil
Pooling this vertical extent:	N/A
Pool Name and Pool Code:	Teas; Bone Spring, East (96637)
Well Location Setback Rules:	Statewide setbacks
Spacing Unit	
Type (Horizontal/Vertical)	Horizontal
Size (Acres)	320.44-acre, more or less
Building Blocks:	40 acres
Orientation:	Standup
Description: TRS/County	Lot 3 (NE/4 NW/4 equivalent), the SE/4 NW/4, and the E/2 SW/4 of Section 4 and the E/2 W/2 of Section 9, Township 20 South, Range 34 East, NMPM, Lea County, New Mexico
Standard Horizontal Well Spacing Unit (Y/N), If No, describe and is approval of non-standard unit requested in this application?	Yes
Other Situations	
Depth Severance: Y/N. If yes, description	N/A
Proximity Tracts: If yes, description	NO BEFORE THE OIL CONSERVATION DIVISION Santa Fe, New Mexico
Proximity Defining Well: if yes, description	No Submitted by: Read & Stevens, Inc. Hearing Date: July 20, 2023
Applicant's Ownership in Each Tract	Exhibit C-9 Case No. 23509
Well(s)	
Name & API (if assigned), surface and bottom hole location, footages, completion target, orientation, completion status (standard or non-standard)	Add wells as needed

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Well #1	Bane 4-9 Fed Com 112H: SHL: 628' FNL, 1,104' FWL (Lot 4) of Section 4 BHL: 10' FSL, 1,650' FWL (Unit N) of Section 9 Completion Target: Bone Spring formation Well Orientation: North-South Completion Location expected to be: Standard
Well #2	Bane 4-9 Fed Com 123H: SHL: 628' FNL, 1,203' FWL (Lot 4) of Section 4 BHL: 10' FSL, 1,650' FWL (Unit N) of Section 9 Completion Target: Bone Spring formation Well Orientation: North-South Completion Location expected to be: Standard
Well #3	Bane 4-9 Fed Com 124H: SHL: 628' FNL, 1,236' FWL (Lot 4) of Section 4 BHL: 10' FSL, 2,310' FWL (Unit N) of Section 9 Completion Target: Bone Spring formation Well Orientation: North-South Completion Location expected to be: Standard
Well #4	Bane 4-9 Fed Com 172H: SHL: 498' FNL, 1,235' FWL (Lot 4) of Section 4 BHL: 10' FSL, 2,310' FWL (Unit N) of Section 9 Completion Target: Bone Spring formation Well Orientation: North-South Completion Location expected to be: Standard
Well #5	Bane 4-9 Fed Com 132H: SHL: 498' FNL, 1,169' FWL (Lot 4) of Section 4 BHL: 10' FSL, 1,650' FWL (Unit N) of Section 9 Completion Target: Bone Spring formation Well Orientation: North-South Completion Location expected to be: Standard
Horizontal Well First and Last Take Points	Exhibit C-1
Completion Target (Formation, TVD and MD)	Exhibit C-10
AFE Capex and Operating Costs	
Drilling Supervision/Month \$	\$8,000
Production Supervision/Month \$	\$800
Justification for Supervision Costs	Exhibit C
Requested Risk Charge	200%
Notice of Hearing	
Proposed Notice of Hearing	Exhibit A
Proof of Mailed Notice of Hearing (20 days before hearing)	Exhibit G
Proof of Published Notice of Hearing (10 days before hearing)	Exhibit H
Ownership Determination	
Land Ownership Schematic of the Spacing Unit	Exhibit C-3
Tract List (including lease numbers and owners)	Exhibit C-3, C-5, C-6, C-7, C-9

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If approval of Non-Standard Spacing Unit is requested, Tract List (including lease numbers and owners) of Tracts subject to notice	
requirements.	N/A
Pooled Parties (including ownership type)	Exhibit C-5, C-6, C-7
Unlocatable Parties to be Pooled	None
Ownership Depth Severance (including percentage above & below)	N/A
Joinder	
Sample Copy of Proposal Letter	Exhibit C-10
List of Interest Owners (ie Exhibit A of JOA)	Exhibit C-9
Chronology of Contact with Non-Joined Working Interests	Exhibit C-11
Overhead Rates In Proposal Letter	Exhibit C-10
Cost Estimate to Drill and Complete	Exhibit C-10
Cost Estimate to Equip Well	Exhibit C-10
Cost Estimate for Production Facilities	Exhibit C-10
Geology	
Summary (including special considerations)	Exhibit E
Spacing Unit Schematic	Exhibit E-8
Gunbarrel/Lateral Trajectory Schematic	Exhibit E-14
Well Orientation (with rationale)	Exhibit E
Target Formation	Exhibit E, E-13
HSU Cross Section	Exhibit E-13
Depth Severance Discussion	N/A
Forms, Figures and Tables	
C-102	Exhibit C-1
Tracts	Exhibit C-3
Summary of Interests, Unit Recapitulation (Tracts)	Exhibit C-3, C-5, C-6, C-7, C-9
General Location Map (including basin)	Exhibit E-1
Well Bore Location Map	Exhibit E-8
Structure Contour Map - Subsea Depth	Exhibit E-9, E-10, E-11, E-12
Cross Section Location Map (including wells)	Exhibit E-9, E-10, E-11, E-12
Cross Section (including Landing Zone)	Exhibit C-13
Additional Information	
Special Provisions/Stipulations	See Exhibit C, para. 25
CERTIFICATION: I hereby certify that the information provide	ed in this checklist is complete and accurate.
Printed Name (Attorney or Party Representative):	Adam G. Rankin
Signed Name (Attorney or Party Representative):	(1)
Date: Released to Imaging: 7/14/2023 1:35:37 PM	7/13/202

Case: 23510	APPLICANT'S RESPONSE
Date	July 20, 2023
Applicant	Read & Stevens, Inc.
Designated Operator & OGRID (affiliation if applicable)	Permian Resources Operating, LLC (372165)
Applicant's Counsel:	Holland & Hart LLP
Case Title:	APPLICATION OF READ & STEVENS, INC. FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO
Entries of Appearance/Intervenors:	Cimarex Energy Co., Sandstone Properties, LLC, Northern Oil and Gas, Inc.
Well Family	Bane
Formation/Pool	
Formation Name(s) or Vertical Extent:	Bone Spring formation
Primary Product (Oil or Gas):	Oil
Pooling this vertical extent:	N/A
Pool Name and Pool Code:	Teas; Bone Spring, East (96637)
Well Location Setback Rules:	Statewide setbacks
Spacing Unit	
Type (Horizontal/Vertical)	Horizontal
Size (Acres)	320.66-acre, more or less
Building Blocks:	40 acres
Orientation:	Standup
Description: TRS/County	Lot 2 (NW/4 NE/4 equivalent), the SW/4 NE/4, and the W/2 SE/4 of Section 4 and the W/2 E/2 of Section 9, Township 20 South, Range 34 East, NMPM, Lea County, New Mexico
Standard Horizontal Well Spacing Unit (Y/N), If No, describe and is approval of non-standard unit requested in this application?	Yes
Other Situations	
Depth Severance: Y/N. If yes, description	N/A
Proximity Tracts: If yes, description	NO BEFORE THE OIL CONSERVATION DIVISION Santa Fe, New Mexico
Proximity Defining Well: if yes, description	No Submitted by: Read & Stevens, Inc. Hearing Date: July 20, 2023
Applicant's Ownership in Each Tract	Exhibit C-9 Case No. 23510
Well(s)	
Name & API (if assigned), surface and bottom hole location, footages, completion target, orientation, completion status (standard or non-standard)	Add wells as needed

Well #1	Bane 4-9 Fed Com 113H:
	SHL: 1,017' FNL, 1,586' FEL (Lot 2) of Section 4
	BHL: 10' FSL, 2,310' FEL (Unit O) of Section 9
	Completion Target: Bone Spring formation
	Well Orientation: North-South Completion Location expected to be: Standard
Well #2	· · · · · · · · · · · · · · · · · · ·
Well #2	Bane 4-9 Fed Com 125H: SHL: 1,082' FNL, 1,591' FEL (Lot 2) of Section 4
	BHL: 10' FSL, 2,310' FEL (Unit O) of Section 9
	Completion Target: Bone Spring formation
	Well Orientation: North-South
	Completion Location expected to be: Standard
Well #3	Bane 4-9 Fed Com 126H:
	SHL: 1,115' FNL, 1,593' FEL (Lot 2) of Section 4
	BHL: 10' FSL, 1,650' FEL (Unit O) of Section 9
	Completion Target: Bone Spring formation
	Well Orientation: North-South
	Completion Location expected to be: Standard
Well #4	Bane 4-9 Fed Com 173H:
	SHL: 1,027' FNL, 1,456' FEL (Lot 2) of Section 4
	BHL: 10' FSL, 1,650' FEL (Unit O) of Section 9 Completion Target: Bone Spring formation
	Well Orientation: North-South
	Completion Location expected to be: Standard
Well #5	Bane 4-9 Fed Com 133H:
Well his	SHL: 1,060' FNL, 1,459' FEL (Lot 2) of Section 4
	BHL: 10' FSL, 2,310' FEL (Unit O) of Section 9
	Completion Target: Bone Spring formation
	Well Orientation: North-South
	Completion Location expected to be: Standard
Horizontal Well First and Last Take Points	Exhibit C-1
Completion Target (Formation, TVD and MD)	Exhibit C-10
AFE Capex and Operating Costs	
Drilling Supervision/Month \$	\$8,000
Production Supervision/Month \$	\$800
Justification for Supervision Costs	Exhibit C
Requested Risk Charge	200%
Notice of Hearing	
Proposed Notice of Hearing	Exhibit A
Proof of Mailed Notice of Hearing (20 days before hearing)	Exhibit G
Proof of Published Notice of Hearing (10 days before hearing)	Exhibit H
Ownership Determination	
Land Ownership Schematic of the Spacing Unit	Exhibit C-3
Tract List (including lease numbers and owners)	Exhibit C-3, C-5, C-6, C-7, C-9

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If approval of Non-Standard Spacing Unit is requested, Tract List (including lease numbers and owners) of Tracts subject to notice requirements.	NI/A
Pooled Parties (including ownership type)	N/A Exhibit C-5, C-6, C-7
Unlocatable Parties to be Pooled	
Ownership Depth Severance (including percentage above &	None
below)	N/A
Joinder	
Sample Copy of Proposal Letter	Exhibit C-10
List of Interest Owners (ie Exhibit A of JOA)	Exhibit C-9
Chronology of Contact with Non-Joined Working Interests	Exhibit C-11
Overhead Rates In Proposal Letter	Exhibit C-10
Cost Estimate to Drill and Complete	Exhibit C-10
Cost Estimate to Equip Well	Exhibit C-10
Cost Estimate for Production Facilities	Exhibit C-10
Geology	
Summary (including special considerations)	Exhibit E
Spacing Unit Schematic	Exhibit E-8
Gunbarrel/Lateral Trajectory Schematic	Exhibit E-14
Well Orientation (with rationale)	Exhibit E
Target Formation	Exhibit E, E-13
HSU Cross Section	Exhibit E-13
Depth Severance Discussion	N/A
Forms, Figures and Tables	
C-102	Exhibit C-1
Tracts	Exhibit C-3
Summary of Interests, Unit Recapitulation (Tracts)	Exhibit C-3, C-5, C-6, C-7, C-9
General Location Map (including basin)	Exhibit E-1
Well Bore Location Map	Exhibit E-8
Structure Contour Map - Subsea Depth	Exhibit E-9, E-10, E-11, E-12
Cross Section Location Map (including wells)	Exhibit E-9, E-10, E-11, E-12
Cross Section (including Landing Zone)	Exhibit C-13
Additional Information	
Special Provisions/Stipulations	See Exhibit C, para. 25
CERTIFICATION: I hereby certify that the information provide	d in this checklist is complete and accurate.
Printed Name (Attorney or Party Representative):	Adam G. Rankin
Signed Name (Attorney or Party Representative):	
Date: Released to Imaging: 7/14/2023 1:35:37 PM	7/13/2023

Case: 23511	APPLICANT'S RESPONSE
Date Case: 25511	July 20, 2023
	Read & Stevens, Inc.
Applicant Residuated On system & OCRID (affiliation if applicable)	
Designated Operator & OGRID (affiliation if applicable)	Permian Resources Operating, LLC (372165)
Applicant's Counsel:	Holland & Hart LLP
Case Title:	APPLICATION OF READ & STEVENS, INC. FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO
Entries of Appearance/Intervenors:	Cimarex Energy Co., Sandstone Properties, LLC, Northern Oil and Gas, Inc.
Well Family	Bane
Formation/Pool	
Formation Name(s) or Vertical Extent:	Bone Spring formation
Primary Product (Oil or Gas):	Oil
Pooling this vertical extent:	N/A
Pool Name and Pool Code:	Teas; Bone Spring, East (96637)
Well Location Setback Rules:	Statewide setbacks
Spacing Unit	
Type (Horizontal/Vertical)	Horizontal
Size (Acres)	320.89-acre, more or less
Building Blocks:	40 acres
Orientation:	Standup
Description: TRS/County	Lot 1 (NE/4 NE/4 equivalent), the SE/4 NE/4, and the E/2 SE/4 of Section 4 and the E/2 E/2 of Section 9, Township 20 South, Range 34 East, NMPM, Lea County, New Mexico
Standard Horizontal Well Spacing Unit (Y/N), If No, describe and is approval of non-standard unit requested in this application?	Yes
Other Situations	
Depth Severance: Y/N. If yes, description	N/A
Proximity Tracts: If yes, description	NO BEFORE THE OIL CONSERVATION DIVISION Santa Fe, New Mexico Exhibit No. B
Proximity Defining Well: if yes, description	No Submitted by: Read & Stevens, Inc. Hearing Date: July 20, 2023 Case No. 23511
Applicant's Ownership in Each Tract	Exhibit C-9
Well(s)	
Name & API (if assigned), surface and bottom hole location, footages, completion target, orientation, completion status (standard or non-standard)	Add wells as needed

SHL: 1,049*FNL, 1,588*FEL (Lot 2) of Section 4 BHI: 10*FSL, 990*FFL (Unit P) of Section 4 BHI: 10*FSL, 990*FFL (Unit P) of Section 4 Completion Target: Bone Spring formation Well Orientation: North-South Completion Location expected to be: Standard Bane 4-9 Fed Com 127H: SHI: 1,148*FNL, 1,596*FEL (Lot 2) of Section 4 BHI: 10*FSL, 990*FEL (Unit P) of Section 9 Completion Target: Bone Spring formation Well Well #3 Bane 4-9 Fed Com 128H: SHI: 1,181*FNL, 1,598*FEL (Lot 2) of Section 4 BHI: 10*FSL, 330*FEL (Unit P) of Section 9 Completion Target: Bone Spring formation Well Well #4 Bane 4-9 Fed Com 128H: SHI: 1,181*FNL, 1,598*FEL (Lot 2) of Section 4 BHI: 10*FSL, 330*FEL (Unit P) of Section 9 Completion Target: Bone Spring formation Well Orientation: North-South Completion Location expected to be: Standard BHI: 10*FSL, 330*FEL (Unit P) of Section 4 BHI: 10*FSL, 300*FEL (Unit P) of Section 4 BHI: 10*FSL, 300*FEL (Unit P) of Section 9 Completion Location expected to be: Standard Well #5 Bane 4-9 Fed Com 134H: SHI: 1,126*FNL, 1,464*FEL (Lot 2) of Section 4 BHI: 10*FSL, 900*FEL (Unit P) of Section 9 Completion Target: Sone Spring formation Well Orientation: North-South Completion Target: Sone Spring formation Well Orientation: North-South Completion Target (Formation, TVD and MD) Exhibit C-1 Exhibit C-1 Exhibit C-1 Exhibit C-1 Exhibit C-1 Exhibit C-2 Exhibit C-3	Well #1	Bane 4-9 Fed Com 114H:
BHL: 10° FSL, 990° FEL (Unit P) of Section 9 Completion Target: Bone Spring formation Well 07'eintation: North-South Completion Location expected to be: Standard Bane 4-9 Fed Com 12PH. SHL: 3,148° FNL, 1,596° FEL (Unit P) of Section 4 BHL: 10° FSL, 990° FEL (Unit P) of Section 4 BHL: 10° FSL, 990° FEL (Unit P) of Section 4 Completion Target: Bone Spring formation Well 07'eintation: North-South Completion Location expected to be: Standard Bane 4-9 Fed Com 128H: SHL: 1,191° FNL, 1,469° FEL (Lot 2) of Section 9 Completion Target: Bone Spring formation Well 07'eintation: North-South Completion Location expected to be: Standard Well #5 Bane 4-9 Fed Com 128H: SHL: 1,126° FNL, 1,464° FEL (Lot 2) of Section 9 Completion Target: Bone Spring formation Well 07'eintation: North-South Completion Location expected to be: Standard Horizontal Well First and Last Take Points Completion Target: Bone Spring formation Well 07'eintation: North-South Completion Target: Bon		
Well #2 Well #2 Bane 4-9 Fed Com 127H: SHL: 1,148' FNL, 1,596' FEL (Lot 2) of Section 4 BHL: 10' FSL, 990' FEL (Unit P) of Section 9 Completion Target: Bone Spring formation Well #3 Bane 4-9 Fed Com 128H: SHL: 1,181' FNL, 1,598' FEL (Lot 2) of Section 9 Completion Location expected to be: Standard Bane 4-9 Fed Com 128H: SHL: 1,181' FNL, 1,598' FEL (Lot 2) of Section 9 Completion Target: Bone Spring formation Well #4 Bane 4-9 Fed Com 128H: SHL: 1,181' FNL, 1,598' FEL (Lot 2) of Section 9 Completion Location expected to be: Standard BHL: 10' FSL, 330' FEL (Unit P) of Section 9 Completion Location expected to be: Standard Bane 4-9 Fed Com 174H: SHL: 1,191' FNL, 1,469' FEL (Lot 2) of Section 4 BHL: 10' FSL, 330' FEL (Unit P) of Section 9 Completion Target: Bone Spring formation Well #5 Bane 4-9 Fed Com 134H: SHL: 1,126' FNL, 1,464' FEL (Lot 2) of Section 4 BHL: 10' FSL, 990' FEL (Unit P) of Section 9 Completion Location expected to be: Standard BHL: 10' FSL, 990' FEL (Unit P) of Section 9 Completion Target: Bone Spring formation Well Orientation: North-South Completion Target: Bone Spring formation Well #16 Well #1		
Completion Location expected to be: Standard		Completion Target: Bone Spring formation
Bane 4-9 Fed Com 127H: SHL: 1,148' FNL, 1,596' FEL (Lot 2) of Section 4		Well Orientation: North-South
SHL: 1,148' FNL, 1,596' FEL (Lot 2) of Section 4 BHL: 10' FSL, 990' FEL (Unit P) of Section 9 Completion Targets Some Spring formation Well 0'rientation: North-South Completion Location expected to be: Standard Well #3 Bane 4-9 Fed Com 128H: SHL: 1,181' FNL, 1,598' FEL (Lot 2) of Section 4 BHL: 10' FSL, 30' FEL (Unit P) of Section 9 Completion Targets Some Spring formation Well #4 Bane 4-9 Fed Com 174H: SHL: 1,191' FNL, 1,469' FEL (Lot 2) of Section 4 BHL: 10' FSL, 30' FEL (Unit P) of Section 9 Completion Location expected to be: Standard Well #4 Bane 4-9 Fed Com 174H: SHL: 1,191' FNL, 1,469' FEL (Unit P) of Section 4 BHL: 10' FSL, 30' FEL (Unit P) of Section 9 Completion Targets Some Spring formation Well orientation: North-South Completion Location expected to be: Standard Well #5 Bane 4-9 Fed Com 134H: SHL: 1,126' FNL, 1,464' FEL (Unit P) of Section 9 Completion Targets Some Spring formation Well Orientation: North-South Completion Targets (Formation, TVD and MD) AFE Capex and Operating Costs Drilling Supervision/Month \$ S8.000 Production Supervision/Month \$ S8.000 Justification for Supervision Costs Requested Risk Charge Notice of Hearing Proposed Notice of Hearing (20 days before hearing) Exhibit C-3 Exhibit C-3		Completion Location expected to be: Standard
BHL: 10' FSL, 990' FEL (Unit P) of Section 9 Completion Target: Bone Spring formation Well #3 Well #3 Bane 4-9 Fed Com 128H: SHL: 1,181' FNL, 1,598' FEL (Unit P) of Section 4 BHL: 10' FSL, 330' FEL (Unit P) of Section 4 BHL: 10' FSL, 330' FEL (Unit P) of Section 9 Completion Target: Bone Spring formation Well #4 Bane 4-9 Fed Com 128H: SHL: 1,191' FNL, 1,469' FEL (Lot 2) of Section 4 BHL: 10' FSL, 330' FEL (Unit P) of Section 9 Completion Location expected to be: Standard Bane 4-9 Fed Com 174H: SHL: 1,191' FNL, 1,469' FEL (Lot 2) of Section 4 BHL: 10' FSL, 330' FEL (Unit P) of Section 9 Completion Target: Bone Spring formation Well #5 Bane 4-9 Fed Com 134H: SHL: 1,126' FNL, 1,464' FEL (Lot 2) of Section 9 Completion Location expected to be: Standard Bane 4-9 Fed Com 134H: SHL: 1,126' FNL, 1,464' FEL (Lot 2) of Section 9 Completion Target: Bone Spring formation Well Orientation: North-South Completion Target: Bone Spring formation Well #5 Bane 4-9 Fed Com 134H: Shibit C-10 Well #5 Bane 4-9 Fed Com 134H: Shibit C-10 Well #5 Bane 4-9 Fed Com 134H: Shibit C-10 Well #5 Bane 4-9 Fed Com 134H: Shibit C-10 Well #5 Bane 4-9 Fed Com 134H: Shibit C-10 Well #5 Bane 4-9 Fed Com 134H: Shibit C-10 Well #5 Bane 4-9 Fed Com 134H: Shibit C-10 Well #5 Bane 4-9 Fed Com 134H: Shibit C-10 Well #5 Bane 4-9 Fed Com 1	Well #2	Bane 4-9 Fed Com 127H:
Completion Target: Bone Spring formation Well Orientation: North-South Completion Location expected to be: Standard Bane 4-9 Fed Com 128H: SHI: 1,181' FNI, 1,598' FEI, (Lot 2) of Section 4 BHI: 10' FSI, 330' FEI, (Lot 12) of Section 9 Completion Target: Bone Spring formation Well Orientation: North-South Completion Target: Bone Spring formation Well #4 Bane 4-9 Fed Com 174H: SHI: 1,191' FNI, 1,469' FEI, (Lot 2) of Section 4 BHI: 10' FSI, 330' FEI, (Lot 12) of Section 4 BHI: 10' FSI, 330' FEI, (Lot 12) of Section 4 BHI: 10' FSI, 330' FEI, (Lot 12) of Section 4 BHI: 10' FSI, 330' FEI, (Lot 12) of Section 4 BHI: 10' FSI, 330' FEI, (Lot 12) of Section 4 BHI: 10' FSI, 330' FEI, (Lot 12) of Section 4 BHI: 10' FSI, 390' FEI, (Lot 12) of Section 4 BHI: 10' FSI, 390' FEI, (Lot 12) of Section 9 Completion Target: Bone Spring formation Well #5 Bane 4-9 Fed Com 134H: SHI: 1,126' FNI, 1,464' FEI, (Lot 2) of Section 9 Completion Target: Bone Spring formation Well Orientation: North-South Completion Target: Bone Spring formation Well Well First and Last Take Points Exhibit C-1 AFE Capex and Operating Costs Exhibit C-1 Section 9 Section 9 Section 9 Completion Target: Bone Spring formation Well Orientation: North-South Completion Location expected to be: Standard BHI: 10' FSI, 390' FEI, (Lint 12) of Section 9 Completion Target: Bone Spring formation Well Well First and Last Take Points Exhibit C-1 Exhibit C-1 Exhibit C-1 Exhibit C-3 Exhibit C-3 Exhibit C-3		
Well #3 Well #3 Bane 4-9 Fed Com 128H: SHH: 1,181 FNI, 1,598 FEL (Lot 2) of Section 4 BHL: 10' FSL, 330' FEL (Unit P) of Section 9 Completion Target: Bone Spring formation Well #4 Well #4 Bane 4-9 Fed Com 124H: SHH: 1,191' FNI, 1,469' FEL (Lot 2) of Section 4 BHL: 10' FSL, 330' FEL (Unit P) of Section 9 Completion Location expected to be: Standard Bane 4-9 Fed Com 174H: SHH: 1,191' FNI, 1,469' FEL (Lot 2) of Section 4 BHL: 10' FSL, 330' FEL (Unit P) of Section 9 Completion Target: Bone Spring formation Well Orientation: North-South Completion Incation expected to be: Standard Bane 4-9 Fed Com 134H: SHL: 1,126' FNI, 1,464' FEL (Lot 2) of Section 4 BHL: 10' FSL, 990' FEL (Unit P) of Section 9 Completion Location expected to be: Standard Bane 4-9 Fed Com 134H: SHL: 1,126' FNI, 1,464' FEL (Lot 2) of Section 4 BHL: 10' FSL, 990' FEL (Unit P) of Section 9 Completion Target: Bone Spring formation Well Orientation: North-South Completion Location expected to be: Standard Horizontal Well First and Last Take Points Exhibit C-1 Completion Target (Formation, TVD and MD) Exhibit C-10 AFE Capex and Operating Costs Drilling Supervision/Month \$ \$8,000 Production Supervision/Month \$ \$800 Justification for Supervision Costs Exhibit C Requested Risk Charge Notice of Hearing Proposed Notice of Hearing (20 days before hearing) Exhibit G Proof of Mailed Notice of Hearing (10 days before hearing) Exhibit G Proof of Published Notice of Hearing (10 days before hearing) Exhibit H Ownership Determination Land Ownership Schematic of the Spacing Unit		
Completion Location expected to be: Standard		
Bane 4-9 Fed Com 128H: SHL: 1,181' FNL, 1,598' FEL (Lot 2) of Section 4 BHL: 10' FSL, 330' FEL (Unit P) of Section 9 Completion Target: Bone Spring formation Well Orientation: North-South Completion Location expected to be: Standard Bane 4-9 Fed Com 174H: SHL: 1,191' FNL, 1,469' FEL (Lot 2) of Section 4 BHL: 10' FSL, 330' FEL (Unit P) of Section 4 BHL: 10' FSL, 330' FEL (Unit P) of Section 4 BHL: 10' FSL, 330' FEL (Unit P) of Section 4 BHL: 10' FSL, 330' FEL (Unit P) of Section 9 Completion Target: Bone Spring formation Well Orientation: North-South Completion Location expected to be: Standard Bane 4-9 Fed Com 174H: SHL: 1,191' FNL, 1,469' FEL (Lot 2) of Section 9 Completion Location expected to be: Standard SHL: 1,126' FNL, 1,464' FEL (Lot 2) of Section 4 BHL: 10' FSL, 990' FEL (Unit P) of Section 9 Completion Target: Bone Spring formation Well Orientation: North-South Completion Target: Bone Spring formation Exhibit C-10 Completion Target: Bone Spring formation Well Orientation: North-South Standard Completion Target: Bone Spring formation Exhibit C-10 Completion Target: Bone Spring formation Completion Target: Bone Spring formation Well Orientation: North-South Completion Target: Bone Spring formation Exhibit C-10 Completion Target: Bone Spring formation C		
SHL: 1,181' FNL, 1,598' FEL (Lot 2) of Section 4 BHL: 10' FSL, 330' FEL (Unit P) of Section 9 Completion Target: Bone Spring formation Well Orientation: North-South Completion Location expected to be: Standard Bane 4-9 Fed Com 174H: SHL: 1,31' FNL, 1,469' FEL (Lot 2) of Section 4 BHL: 10' FSL, 330' FEL (Unit P) of Section 9 Completion Target: Bone Spring formation Well Orientation: North-South Completion Location expected to be: Standard Well #5 Bane 4-9 Fed Com 134H: SHL: 1,126' FNL, 1,464' FEL (Lot 2) of Section 4 BHL: 10' FSL, 390' FEL (Lont 1P) of Section 9 Completion Target: Bone Spring formation Well Orientation: North-South Completion Target: Bone Spring formation Well Orientation Well Orientation: North-South Completion Target: Bone Spring formation Well Orientation: North-South Completion Target: Bone Spring formati		<u> </u>
BHL: 10' FSL, 330' FEL (Unit P) of Section 9 Completion Target: Bone Spring formation Well Orientation: North-South Completion Location expected to be: Standard Bane 4-9 Fed Com 174H: SHL: 1,191' FNL, 1,469' FEL (Lot 2) of Section 4 BHL: 10' FSL, 330' FEL (Unit P) of Section 9 Completion Target: Bone Spring formation Well Orientation: North-South Completion Location expected to be: Standard Well #5 Bane 4-9 Fed Com 134H: SHL: 1,126' FNL, 1,464' FEL (Lot 2) of Section 9 Completion Location expected to be: Standard Bane 4-9 Fed Com 134H: SHL: 1,126' FNL, 1,464' FEL (Lot 2) of Section 4 BHL: 10' FSL, 990' FEL (Unit P) of Section 9 Completion Target: Bone Spring formation Well Orientation: North-South Completion Location expected to be: Standard Horizontal Well First and Last Take Points Exhibit C-1 Completion Target: Formation, TVD and MD) Exhibit C-10 AFE Capex and Operating Costs Drilling Supervision/Month \$ S8,000 Production Supervision/Month \$ S800 Justification for Supervision Costs Exhibit C Requested Risk Charge 200% Notice of Hearing Proposed Notice of Hearing (20 days before hearing) Exhibit G Proof of Mailed Notice of Hearing (10 days before hearing) Exhibit G Proof of Published Notice of Hearing (10 days before hearing) Exhibit H Ownership Schematic of the Spacing Unit Exhibit C-3	Well #3	
Completion Target: Bone Spring formation Well Orientation: North-South Completion Location expected to be: Standard Bane 4-9 Fed Com 174H: SHL: 1,191' FNI, 1,469' FEL (Lot 2) of Section 4 BHI: 10' FSI, 330' FEL (Unit P) of Section 9 Completion Target: Bone Spring formation Well Orientation: North-South Completion Location expected to be: Standard Well #5 Well #5 Bane 4-9 Fed Com 134H: SHL: 1,126' FEL (Unit P) of Section 9 Completion Location expected to be: Standard Bane 4-9 Fed Com 134H: SHL: 1,126' FEL (Unit P) of Section 9 Completion Target: Bone Spring formation Well Orientation: North-South Completion Target: Bone Spring formation Well Orientation to North-South Completion Target: Bone Spring formation Well Orientation to North-South Completion Target: Bone Spring formation Well Orientation to North-South Completion Target: Bone Spring formation Well Orientation to North-South Completion Target: Bone Spring formation Well Orientation of Supervision Month Standard Exhibit C-10 AFE Capex and Operating Costs Drilling Supervision/Month \$ \$8,000 Production Supervision/Month \$ \$800 Justification for Supervision Costs Exhibit C Requested Risk Charge 200% Notice of Hearing Proposed Notice of Hearing (20 days before hearing) Exhibit G Proof of Mailed Notice of Hearing (10 days before hearing) Exhibit G Exhibit C-3		
Well #4 Well #4 Bane 4-9 Fed Com 174H: SHL: 1,191' FNL, 1,469' FEL (Lot 2) of Section 4 BHL: 10' FSL, 330' FEL (Unit P) of Section 9 Completion Target: Bone Spring formation Well #5 Bane 4-9 Fed Com 134H: SHL: 1,126' FNL, 1,464' FEL (Lot 2) of Section 4 BHL: 10' FSL, 930' FEL (Unit P) of Section 9 Completion Location expected to be: Standard Well #5 Bane 4-9 Fed Com 134H: SHL: 1,126' FNL, 1,464' FEL (Lot 2) of Section 4 BHL: 10' FSL, 990' FEL (Unit P) of Section 4 BHL: 10' FSL, 990' FEL (Unit P) of Section 4 BHL: 10' FSL, 990' FEL (Unit P) of Section 4 BHL: 10' FSL, 990' FEL (Unit P) of Section 4 BHL: 10' FSL, 990' FEL (Unit P) of Section 4 BHL: 10' FSL, 990' FEL (Unit P) of Section 4 BHL: 10' FSL, 990' FEL (Unit P) of Section 4 BHL: 10' FSL, 990' FEL (Unit P) of Section 4 BHL: 10' FSL, 990' FEL (Unit P) of Section 4 BHL: 10' FSL, 990' FEL (Unit P) of Section 4 BHL: 10' FSL, 990' FEL (Unit P) of Section 4 BHL: 10' FSL, 990' FEL (Unit P) of Section 4 BHL: 10' FSL, 990' FEL (Unit P) of Section 4 BHL: 10' FSL, 990' FEL (Unit P) of Section 4 BHL: 10' FSL, 990' FEL (Unit P) of Section 4 BHL: 10' FSL, 990' FEL (Unit P) of Section 4 BHL: 10' FSL, 990' FEL (Unit P) of Section 4 BHL: 10' FSL, 990' FEL (Unit P) of Section 4 BHL: 10' FSL, 990' FEL (Unit P) of Section 4 BHL: 10' FSL, 990' FEL (Unit P) of Section 4 BHL: 10' FSL, 990' FEL (Unit P) of Section 4 BHL: 10' FSL, 990' FEL (Unit P) of Section 4 BHL: 10' FSL, 990' FEL (Unit P) of Section 4 BHL: 10' FSL, 990' FEL (Unit P) of Section 4 BHL: 10' FSL, 990' FEL (Unit P) of Section 4 BHL: 10' FSL, 990' FEL (Unit P) of Section 4 BHL: 10' FSL, 990' FEL (Unit P) of Section 4 BHL: 10' FSL, 990' FEL (Unit P) of Section 4 BHL: 10' FSL, 990' FEL (Unit P) of Section 4 BHL: 10' FSL, 990' FEL (Unit P) of Section 4 BHL: 10' FSL, 990' FEL (Unit P) of Section 4 BHL: 10' FSL, 990' FEL (Unit P) of Section 4 BHL: 10' FSL, 990' FEL (Unit P) of Section 4 BHL: 10' FSL, 990' FEL (Unit P) of Section 4 BHL: 10' FSL, 990' FEL (Unit P) of Section 4 BHL: 10' FSL, 990' FEL (Unit P) of Section		
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BHL: 10' FSL, 990' FEL (Unit P) of Section 9 Completion Target: Bone Spring formation Well Orientation: North-South Completion Location expected to be: Standard Horizontal Well First and Last Take Points Exhibit C-1 Completion Target (Formation, TVD and MD) AFE Capex and Operating Costs Drilling Supervision/Month \$ \$8,000 Production Supervision/Month \$ \$800 Justification for Supervision Costs Exhibit C Requested Risk Charge Notice of Hearing Proposed Notice of Hearing (20 days before hearing) Proof of Mailed Notice of Hearing (10 days before hearing) Completion Target: Bone Spring formation Exhibit G	Well #5	Bane 4-9 Fed Com 134H:
Completion Target: Bone Spring formation Well Orientation: North-South Completion Location expected to be: Standard Horizontal Well First and Last Take Points Exhibit C-1 Completion Target (Formation, TVD and MD) Exhibit C-10 AFE Capex and Operating Costs Drilling Supervision/Month \$ \$8,000 Production Supervision/Month \$ \$800 Justification for Supervision Costs Exhibit C Requested Risk Charge 200% Notice of Hearing Proposed Notice of Hearing (20 days before hearing) Exhibit A Proof of Mailed Notice of Hearing (10 days before hearing) Ownership Determination Land Ownership Schematic of the Spacing Unit Exhibit C-3		SHL: 1,126' FNL, 1,464' FEL (Lot 2) of Section 4
Well Orientation: North-South Completion Location expected to be: Standard Horizontal Well First and Last Take Points Exhibit C-1 Exhibit C-10 AFE Capex and Operating Costs Drilling Supervision/Month \$ Production Supervision/Month \$ \$8,000 Freduction Supervision Costs Exhibit C Requested Risk Charge Proposed Notice of Hearing Proof of Mailed Notice of Hearing (20 days before hearing) Proof of Published Notice of Hearing (10 days before hearing) Exhibit H Ownership Determination Land Ownership Schematic of the Spacing Unit Exhibit C-3		BHL: 10' FSL, 990' FEL (Unit P) of Section 9
Completion Location expected to be: Standard Horizontal Well First and Last Take Points Exhibit C-1 Completion Target (Formation, TVD and MD) AFE Capex and Operating Costs Drilling Supervision/Month \$ Production Supervision/Month \$ \$8,000 Justification for Supervision Costs Requested Risk Charge Notice of Hearing Proposed Notice of Hearing (20 days before hearing) Proof of Mailed Notice of Hearing (10 days before hearing) Exhibit G Proof of Published Notice of Hearing (10 days before hearing) Exhibit H Ownership Determination Land Ownership Schematic of the Spacing Unit Exhibit C-3		
Horizontal Well First and Last Take Points Completion Target (Formation, TVD and MD) Exhibit C-10 AFE Capex and Operating Costs Drilling Supervision/Month \$ \$8,000 Production Supervision/Month \$ \$800 Justification for Supervision Costs Requested Risk Charge Notice of Hearing Proposed Notice of Hearing (20 days before hearing) Proof of Mailed Notice of Hearing (10 days before hearing) Exhibit G Proof of Published Notice of Hearing (10 days before hearing) Exhibit H Ownership Determination Land Ownership Schematic of the Spacing Unit Exhibit C-3		
Completion Target (Formation, TVD and MD) AFE Capex and Operating Costs Drilling Supervision/Month \$ \$8,000 Production Supervision/Month \$ \$800 Justification for Supervision Costs Requested Risk Charge Notice of Hearing Proposed Notice of Hearing Proof of Mailed Notice of Hearing (20 days before hearing) Proof of Published Notice of Hearing (10 days before hearing) Commership Determination Land Ownership Schematic of the Spacing Unit Exhibit C-10 Exhibit C-10 Exhibit C-10 Exhibit C-10 Exhibit C Exhibit C Exhibit C Exhibit C Exhibit A Exhibit G Exhibit H Exhibit C-3		Completion Location expected to be: Standard
AFE Capex and Operating Costs Drilling Supervision/Month \$ \$8,000 Production Supervision/Month \$ \$800 Justification for Supervision Costs Requested Risk Charge 200% Notice of Hearing Proposed Notice of Hearing Proof of Mailed Notice of Hearing (20 days before hearing) Proof of Published Notice of Hearing (10 days before hearing) Exhibit G Proof of Published Notice of Hearing (10 days before hearing) Land Ownership Schematic of the Spacing Unit Exhibit C-3		
Drilling Supervision/Month \$ \$8,000 Production Supervision/Month \$ \$800 Justification for Supervision Costs Exhibit C Requested Risk Charge 200% Notice of Hearing Proposed Notice of Hearing Exhibit A Proof of Mailed Notice of Hearing (20 days before hearing) Exhibit G Proof of Published Notice of Hearing (10 days before hearing) Exhibit H Ownership Determination Land Ownership Schematic of the Spacing Unit Exhibit C-3	Completion Target (Formation, TVD and MD)	Exhibit C-10
Drilling Supervision/Month \$ \$8,000 Production Supervision/Month \$ \$800 Justification for Supervision Costs Exhibit C Requested Risk Charge 200% Notice of Hearing Proposed Notice of Hearing Exhibit A Proof of Mailed Notice of Hearing (20 days before hearing) Exhibit G Proof of Published Notice of Hearing (10 days before hearing) Exhibit H Ownership Determination Land Ownership Schematic of the Spacing Unit Exhibit C-3		
Production Supervision/Month \$ \$800 Justification for Supervision Costs Exhibit C Requested Risk Charge 200% Notice of Hearing Proposed Notice of Hearing Exhibit A Proof of Mailed Notice of Hearing (20 days before hearing) Exhibit G Proof of Published Notice of Hearing (10 days before hearing) Exhibit H Ownership Determination Land Ownership Schematic of the Spacing Unit Exhibit C-3	AFE Capex and Operating Costs	
Justification for Supervision Costs Requested Risk Charge 200% Notice of Hearing Proposed Notice of Hearing Exhibit A Proof of Mailed Notice of Hearing (20 days before hearing) Proof of Published Notice of Hearing (10 days before hearing) Exhibit G Exhibit H Ownership Determination Land Ownership Schematic of the Spacing Unit Exhibit C-3	Drilling Supervision/Month \$	\$8,000
Requested Risk Charge Notice of Hearing Proposed Notice of Hearing Exhibit A Proof of Mailed Notice of Hearing (20 days before hearing) Proof of Published Notice of Hearing (10 days before hearing) Exhibit G Exhibit H Ownership Determination Land Ownership Schematic of the Spacing Unit Exhibit C-3	Production Supervision/Month \$	\$800
Notice of Hearing Proposed Notice of Hearing Proof of Mailed Notice of Hearing (20 days before hearing) Exhibit G Proof of Published Notice of Hearing (10 days before hearing) Exhibit H Ownership Determination Land Ownership Schematic of the Spacing Unit Exhibit C-3	Justification for Supervision Costs	Exhibit C
Proposed Notice of Hearing	Requested Risk Charge	200%
Proposed Notice of Hearing	Notice of Hearing	
Proof of Mailed Notice of Hearing (20 days before hearing) Proof of Published Notice of Hearing (10 days before hearing) Exhibit G Exhibit H Ownership Determination Land Ownership Schematic of the Spacing Unit Exhibit C-3		Exhibit A
Proof of Published Notice of Hearing (10 days before hearing) Exhibit H Ownership Determination Land Ownership Schematic of the Spacing Unit Exhibit C-3		
Ownership Determination Land Ownership Schematic of the Spacing Unit Exhibit C-3		
Land Ownership Schematic of the Spacing Unit Exhibit C-3		
Tract List (including lease numbers and owners) Exhibit C-3. C-5. C-6. C-7. C-9		Exhibit C-3
	Tract List (including lease numbers and owners)	Exhibit C-3, C-5, C-6, C-7, C-9

Received by OCD: 7/14/2023 12:20:33 PM	Page 8
If approval of Non-Standard Spacing Unit is requested, Tract List (including lease numbers and owners) of Tracts subject to notice	
requirements.	N/A
Pooled Parties (including ownership type)	Exhibit C-5, C-6, C-7
Unlocatable Parties to be Pooled	None
Ownership Depth Severance (including percentage above & below)	N/A
Joinder	
Sample Copy of Proposal Letter	Exhibit C-10
List of Interest Owners (ie Exhibit A of JOA)	Exhibit C-9
Chronology of Contact with Non-Joined Working Interests	Exhibit C-11
Overhead Rates In Proposal Letter	Exhibit C-10
Cost Estimate to Drill and Complete	Exhibit C-10
Cost Estimate to Equip Well	Exhibit C-10
Cost Estimate for Production Facilities	Exhibit C-10
Geology	
Summary (including special considerations)	Exhibit E
Spacing Unit Schematic	Exhibit E-8
Gunbarrel/Lateral Trajectory Schematic	Exhibit E-14
Well Orientation (with rationale)	Exhibit E
Target Formation	Exhibit E, E-13
HSU Cross Section	Exhibit E-13
Depth Severance Discussion	N/A
Forms, Figures and Tables	
C-102	Exhibit C-1
Tracts	Exhibit C-3
Summary of Interests, Unit Recapitulation (Tracts)	Exhibit C-3, C-5, C-6, C-7, C-9
General Location Map (including basin)	Exhibit E-1
Well Bore Location Map	Exhibit E-8
Structure Contour Map - Subsea Depth	Exhibit E-9, E-10, E-11, E-12
Cross Section Location Map (including wells)	Exhibit E-9, E-10, E-11, E-12
Cross Section (including Landing Zone)	Exhibit C-13
Additional Information	
Special Provisions/Stipulations	See Exhibit C, para. 25
CERTIFICATION: I hereby certify that the information provide	ed in this checklist is complete and accurate.
Printed Name (Attorney or Party Representative):	Adam G. Rankin
Signed Name (Attorney or Party Representative):	
Date: Released to Imaging: 7/14/2023 1:35:37 PM	7/13/2023

Case: 23512	APPLICANT'S RESPONSE
Date	July 20, 2023
Applicant	Read & Stevens, Inc.
Designated Operator & OGRID (affiliation if applicable)	Permian Resources Operating, LLC (372165)
Applicant's Counsel:	Holland & Hart LLP
Case Title:	APPLICATION OF READ & STEVENS, INC. FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO
Entries of Appearance/Intervenors:	Cimarex Energy Co., Sandstone Properties, LLC, Northern Oil and Gas, Inc.
Well Family	Bane
Formation/Pool	
Formation Name(s) or Vertical Extent:	Wolfcamp formation
Primary Product (Oil or Gas):	Oil
Pooling this vertical extent:	N/A
Pool Name and Pool Code:	Tonto; Wolfcamp (59500)
Well Location Setback Rules:	Statewide setbacks
Spacing Unit	
Type (Horizontal/Vertical)	Horizontal
Size (Acres)	320.21-acre, more or less
Building Blocks:	40 acres
Orientation:	Standup
Description: TRS/County	Lot 4 (NW/4 NW/4 equivalent), the SW/4 NW/4, and the W/2 SW/4 of Section 4 and the W/2 W/2 of Section 9, Township 20 South, Range 34 East, NMPM Lea County, New Mexico
Standard Horizontal Well Spacing Unit (Y/N), If No, describe and is approval of non-standard unit requested in this application?	Yes
Other Situations	
Depth Severance: Y/N. If yes, description	N/A
Proximity Tracts: If yes, description	No BEFORE THE OIL CONSERVATION DIVISION Santa Fe, New Mexico Exhibit No. B
Proximity Defining Well: if yes, description	No Submitted by: Read & Stevens, Inc. Hearing Date: July 20, 2023 Case No. 23512
Applicant's Ownership in Each Tract	Exhibit C-9
Well(s)	

ACCEPTED BY CCD. //IT/2020 12.20.00 131	1 112 00 07 70
Summary (including special considerations)	Exhibit E
Spacing Unit Schematic	Exhibit E-15
Gunbarrel/Lateral Trajectory Schematic	Exhibit E-18
Well Orientation (with rationale)	Exhibit E
Target Formation	Exhibit E, E-17
HSU Cross Section	Exhibit E-17
Depth Severance Discussion	N/A
Forms, Figures and Tables	
C-102	Exhibit C-1
Tracts	Exhibit C-4
Summary of Interests, Unit Recapitulation (Tracts)	Exhibit C-4, C-5, C-6, C-7, C-9
General Location Map (including basin)	Exhibit E-1
Well Bore Location Map	Exhibit E-15
Structure Contour Map - Subsea Depth	Exhibit E-16
Cross Section Location Map (including wells)	Exhibit E-16
Cross Section (including Landing Zone)	Exhibit E-17
Additional Information	
Special Provisions/Stipulations	See Exhibit C, para. 25
CERTIFICATION: I hereby certify that the information pro	ovided in this checklist is complete and accurate.
Printed Name (Attorney or Party Representative):	Adam G. Rankin
Signed Name (Attorney or Party Representative):	OD .
Date:	7/13/2023

Case: 23513	APPLICANT'S RESPONSE
Date	July 20, 2023
Applicant	Read & Stevens, Inc.
Designated Operator & OGRID (affiliation if applicable)	Permian Resources Operating, LLC (372165)
Applicant's Counsel:	Holland & Hart LLP
Case Title:	APPLICATION OF READ & STEVENS, INC. FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO
Entries of Appearance/Intervenors:	Cimarex Energy Co., Sandstone Properties, LLC, Northern Oil and Gas, Inc.
Well Family	Bane
Formation/Pool	
Formation Name(s) or Vertical Extent:	Wolfcamp formation
Primary Product (Oil or Gas):	Oil
Pooling this vertical extent:	N/A
Pool Name and Pool Code:	Tonto; Wolfcamp (59500)
Well Location Setback Rules:	Statewide setbacks
Spacing Unit	
Type (Horizontal/Vertical)	Horizontal
Size (Acres)	320.44-acre, more or less
Building Blocks:	40 acres
Orientation:	Standup
Description: TRS/County	Lot 3 (NE/4 NW/4 equivalent), the SE/4 NW/4, and the E/2 SW/4 of Section 4 and the E/2 W/2 of Section 9, Township 20 South, Range 34 East, NMPM, Lea County, New Mexico
Standard Horizontal Well Spacing Unit (Y/N), If No, describe and is approval of non-standard unit requested in this application?	Yes
Other Situations	
Depth Severance: Y/N. If yes, description	N/A BEFORE THE OIL CONSERVATION DIVISION
Proximity Tracts: If yes, description	No Santa Fe, New Mexico Exhibit No. B Submitted by: Read & Stevens, Inc.
Proximity Defining Well: if yes, description	No Hearing Date: July 20, 2023 Case No. 23513
Applicant's Ownership in Each Tract	Exhibit C-9
Well(s)	

Summary (including special considerations)	Exhibit E
Spacing Unit Schematic	Exhibit E-15
Gunbarrel/Lateral Trajectory Schematic	Exhibit E-18
Well Orientation (with rationale)	Exhibit E
Target Formation	Exhibit E, E-17
HSU Cross Section	Exhibit E-17
Depth Severance Discussion	N/A
Forms, Figures and Tables	
C-102	Exhibit C-1
Tracts	Exhibit C-4
Summary of Interests, Unit Recapitulation (Tracts)	Exhibit C-4, C-5, C-6, C-7, C-9
General Location Map (including basin)	Exhibit E-1
Well Bore Location Map	Exhibit E-15
Structure Contour Map - Subsea Depth	Exhibit E-16
Cross Section Location Map (including wells)	Exhibit E-16
Cross Section (including Landing Zone)	Exhibit E-17
Additional Information	
Special Provisions/Stipulations	See Exhibit C, para. 25
CERTIFICATION: I hereby certify that the information provided in this checklist is complete and accurate.	
Printed Name (Attorney or Party Representative):	Adam G. Rankin
Signed Name (Attorney or Party Representative):	
Date:	7/13/2023

Case: 23514	APPLICANT'S RESPONSE
Date	July 20, 2023
Applicant	Read & Stevens, Inc.
Designated Operator & OGRID (affiliation if applicable)	Permian Resources Operating, LLC (372165)
Applicant's Counsel:	Holland & Hart LLP
Case Title:	APPLICATION OF READ & STEVENS, INC. FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO
Entries of Appearance/Intervenors:	Cimarex Energy Co., Sandstone Properties, LLC, Northern Oil and Gas, Inc.
Well Family	Bane
Formation/Pool	
Formation Name(s) or Vertical Extent:	Wolfcamp formation
Primary Product (Oil or Gas):	Oil
Pooling this vertical extent:	N/A
Pool Name and Pool Code:	Tonto; Wolfcamp (59500)
Well Location Setback Rules:	Statewide setbacks
Spacing Unit	
Type (Horizontal/Vertical)	Horizontal
Size (Acres)	320.66-acre, more or less
Building Blocks:	40 acres
Orientation:	Standup
Description: TRS/County	Lot 2 (NW/4 NE/4 equivalent), the SW/4 NE/4, and the W/2 SE/4 of Section 4 and the W/2 E/2 of Section 9, Township 20 South, Range 34 East, NMPM, Lea County, New Mexico
Standard Horizontal Well Spacing Unit (Y/N), If No, describe and is approval of non-standard unit requested in this application?	Yes
Other Situations	
Depth Severance: Y/N. If yes, description	N/A
Proximity Tracts: If yes, description	NO BEFORE THE OIL CONSERVATION DIVISION Santa Fe, New Mexico Exhibit No. B
Proximity Defining Well: if yes, description	No Submitted by: Read & Stevens, Inc. Hearing Date: July 20, 2023 Case No. 23514
Applicant's Ownership in Each Tract	Exhibit C-9
Well(s)	

Summary (including special considerations)	Exhibit E
Spacing Unit Schematic	Exhibit E-15
Gunbarrel/Lateral Trajectory Schematic	Exhibit E-18
Well Orientation (with rationale)	Exhibit E
Target Formation	Exhibit E, E-17
HSU Cross Section	Exhibit E-17
Depth Severance Discussion	N/A
Forms, Figures and Tables	
C-102	Exhibit C-1
Tracts	Exhibit C-4
Summary of Interests, Unit Recapitulation (Tracts)	Exhibit C-4, C-5, C-6, C-7, C-9
General Location Map (including basin)	Exhibit E-1
Well Bore Location Map	Exhibit E-15
Structure Contour Map - Subsea Depth	Exhibit E-16
Cross Section Location Map (including wells)	Exhibit E-16
Cross Section (including Landing Zone)	Exhibit E-17
Additional Information	
Special Provisions/Stipulations	See Exhibit C, para. 25
CERTIFICATION: I hereby certify that the information provided in this checklist is complete and accurate.	
Printed Name (Attorney or Party Representative):	Adam G. Rankin
Signed Name (Attorney or Party Representative):	
Date:	7/13/2023

ALL INFORMATION IN THE APPLICATION MUST BE SUPPORTED BY SIGNED AFFIDAVITS

Case: 23515	APPLICANT'S RESPONSE
Date	July 20, 2023
Applicant	Read & Stevens, Inc.
Designated Operator & OGRID (affiliation if applicable)	Permian Resources Operating, LLC (372165)
Applicant's Counsel:	Holland & Hart LLP
Case Title:	APPLICATION OF READ & STEVENS, INC. FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO
Entries of Appearance/Intervenors:	Cimarex Energy Co., Sandstone Properties, LLC, Northern Oil and Gas, Inc.
Well Family	Bane
Formation/Pool	
Formation Name(s) or Vertical Extent:	Wolfcamp formation
Primary Product (Oil or Gas):	Oil
Pooling this vertical extent:	N/A
Pool Name and Pool Code:	Tonto; Wolfcamp (59500)
Well Location Setback Rules:	Statewide setbacks
Spacing Unit	
Type (Horizontal/Vertical)	Horizontal
Size (Acres)	320.89-acre, more or less
Building Blocks:	40 acres
Orientation:	Standup
Description: TRS/County	Lot 1 (NE/4 NE/4 equivalent), the SE/4 NE/4, and the E/2 SE/4 of Section 4 and the E/2 E/2 of Section 9, Township 20 South, Range 34 East, NMPM, Lea County, New Mexico
Standard Horizontal Well Spacing Unit (Y/N), If No, describe and is approval of non-standard unit requested in this application?	Yes
Other Situations	
Depth Severance: Y/N. If yes, description	N/A
Proximity Tracts: If yes, description	NO BEFORE THE OIL CONSERVATION DIVISION Santa Fe, New Mexico Exhibit No. B
Proximity Defining Well: if yes, description	No Submitted by: Read & Stevens, Inc. Hearing Date: July 20, 2023 Case No. 23515
Applicant's Ownership in Each Tract	Exhibit C-9

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Summary (including special considerations)	Exhibit E
Spacing Unit Schematic	Exhibit E-15
Gunbarrel/Lateral Trajectory Schematic	Exhibit E-18
Well Orientation (with rationale)	Exhibit E
Target Formation	Exhibit E, E-17
HSU Cross Section	Exhibit E-17
Depth Severance Discussion	N/A
Forms, Figures and Tables	
C-102	Exhibit C-1
Tracts	Exhibit C-4
Summary of Interests, Unit Recapitulation (Tracts)	Exhibit C-4, C-5, C-6, C-7, C-9
General Location Map (including basin)	Exhibit E-1
Well Bore Location Map	Exhibit E-15
Structure Contour Map - Subsea Depth	Exhibit E-16
Cross Section Location Map (including wells)	Exhibit E-16
Cross Section (including Landing Zone)	Exhibit E-17
Additional Information	
Special Provisions/Stipulations	See Exhibit C, para. 25
CERTIFICATION: I hereby certify that the information provided in this checklist is complete and accurate.	
Printed Name (Attorney or Party Representative):	Adam G. Rankin
Signed Name (Attorney or Party Representative):	
Date:	7/13/2023

ALL INFORMATION IN THE APPLICATION MUST BE SUPPORTED BY SIGNED AFFIDAVITS	
Case: 23516	APPLICANT'S RESPONSE
Date	July 20, 2023
Applicant	Read & Stevens, Inc.
Designated Operator & OGRID (affiliation if applicable)	Permian Resources Operating, LLC (372165)
Applicant's Counsel:	Holland & Hart LLP
Case Title:	APPLICATION OF READ & STEVENS, INC. FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO
Entries of Appearance/Intervenors:	Cimarex Energy Co., Sandstone Properties, LLC, Northern Oil and Gas, Inc.
Well Family	Joker
Formation/Pool	
Formation Name(s) or Vertical Extent:	Bone Spring formation
Primary Product (Oil or Gas):	Oil
Pooling this vertical extent:	N/A
Pool Name and Pool Code:	Teas; Bone Spring, East (96637)
Well Location Setback Rules:	Statewide setbacks
Spacing Unit	
Type (Horizontal/Vertical)	Horizontal
Size (Acres)	320.01-acre, more or less
Building Blocks:	40 acres
Orientation:	Standup
Description: TRS/County	Lot 4 (NW/4 NW/4 equivalent), the SW/4 NW/4, and the W/2 SW/4 of Section 5 and the W/2 W/2 of Section 8, Township 20 South, Range 34 East, NMPM, Lea County, New Mexico
Standard Horizontal Well Spacing Unit (Y/N), If No, describe and is approval of non-standard unit requested in this application?	Yes
Other Situations	
Depth Severance: Y/N. If yes, description	N/A BEFORE THE OIL CONSERVATION DIVISION
Proximity Tracts: If yes, description	No Santa Fe, New Mexico Exhibit No. B Submitted by: Read & Stevens, Inc.
Proximity Defining Well: if yes, description	No Hearing Date: July 20, 2023 Case No. 23516
Applicant's Ownership in Each Tract	Exhibit C-8
Well(s)	
Name & API (if assigned), surface and bottom hole location, footages, completion target, orientation, completion status (standard or non-standard)	Add wells as needed

Joker 5-8 Fed Com 111H: SHL: 385' FNL, 2,022' FWL (Lot 3) of Section 5
BHL: 10' FSL, 330' FWL (Unit M) of Section 8
Completion Target: Bone Spring formation
Well Orientation: North-South
Completion Location expected to be: Standard
Joker 5-8 Fed Com 121H:
SHL: 385' FNL, 2,088' FWL (Lot 3) of Section 5
BHL: 10' FSL, 330' FWL (Unit M) of Section 8 Completion Target: Bone Spring formation
Well Orientation: North-South
Completion Location expected to be: Standard
Joker 5-8 Fed Com 122H:
SHL: 385' FNL, 2,121' FWL (Lot 3) of Section 5
BHL: 10' FSL, 990' FWL (Unit M) of Section 8
Completion Target: Bone Spring formation Well Orientation: North-South
Completion Location expected to be: Standard
Joker 5-8 Fed Com 171H:
SHL: 255' FNL, 2,021' FWL (Lot 3) of Section 5
BHL: 10' FSL, 990' FWL (Unit M) of Section 8
Completion Target: Bone Spring formation
Well Orientation: North-South
Completion Location expected to be: Standard
Joker 5-8 Fed Com 131H:
SHL: 255' FNL, 2,054' FWL (Lot 3) of Section 5 BHL: 10' FSL, 330' FWL (Unit M) of Section 8
Completion Target: Bone Spring formation
Well Orientation: North-South
Completion Location expected to be: Standard
Exhibit C-1
Exhibit C-10
¢9,000
\$8,000
\$800
Exhibit C
200%
Exhibit A
Exhibit G
Exhibit H
Fullibit C 3
Exhibit C-3

If approval of Non-Standard Spacing Unit is requested, Tract List (including lease numbers and owners) of Tracts subject to notice	ruge 70
requirements.	N/A
Pooled Parties (including ownership type)	Exhibit C-5, C-6, C-7
Unlocatable Parties to be Pooled	None
Ownership Depth Severance (including percentage above & below)	N/A
Joinder	
Sample Copy of Proposal Letter	Exhibit C-10
List of Interest Owners (ie Exhibit A of JOA)	Exhibit C-8
Chronology of Contact with Non-Joined Working Interests	Exhibit C-11
Overhead Rates In Proposal Letter	Exhibit C-10
Cost Estimate to Drill and Complete	Exhibit C-10
Cost Estimate to Equip Well	Exhibit C-10
Cost Estimate for Production Facilities	Exhibit C-10
Geology	
Summary (including special considerations)	Exhibit E
Spacing Unit Schematic	Exhibit E-19
Gunbarrel/Lateral Trajectory Schematic	Exhibit E-25
Well Orientation (with rationale)	Exhibit E
Target Formation	Exhibit E, E-24
HSU Cross Section	Exhibit E-24
Depth Severance Discussion	N/A
Forms, Figures and Tables	
C-102	Exhibit C-1
Tracts	Exhibit C-3
Summary of Interests, Unit Recapitulation (Tracts)	Exhibit C-3, C-5, C-6, C-7, C-8
General Location Map (including basin)	Exhibit E-1
Well Bore Location Map	Exhibit E-19
Structure Contour Map - Subsea Depth	Exhibit E-20, E-21, E-22, E-23
Cross Section Location Map (including wells)	Exhibit E-20, E-21, E-22, E-23
Cross Section (including Landing Zone)	Exhibit E-24
Additional Information	
Special Provisions/Stipulations	See Exhibit C, para. 25
CERTIFICATION: I hereby certify that the information provide	ed in this checklist is complete and accurate.
Printed Name (Attorney or Party Representative):	Adam G. Rankin
Signed Name (Attorney or Party Representative):	
Date: Released to Imaging: 7/14/2023 1:35:37 PM	7/13/2023

ALL INFORMATION IN THE APPLICATION MUST BE SUPPORTED BY SIGNED AFFIDAVITS Case: 23517 APPLICANT'S RESPONSE Date July 20, 2023 **Applicant** Read & Stevens, Inc. Designated Operator & OGRID (affiliation if applicable) Permian Resources Operating, LLC (372165) **Holland & Hart LLP** Applicant's Counsel: Case Title: APPLICATION OF READ & STEVENS, INC. FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO Entries of Appearance/Intervenors: Cimarex Energy Co., Sandstone Properties, LLC, Northern Oil and Gas, Inc. Well Family Joker Formation/Pool Formation Name(s) or Vertical Extent: **Bone Spring formation** Oil Primary Product (Oil or Gas): N/A Pooling this vertical extent: Pool Name and Pool Code: Teas; Bone Spring, East (96637) Well Location Setback Rules: Statewide setbacks **Spacing Unit** Type (Horizontal/Vertical) Horizontal Size (Acres) 320.04-acre, more or less **Building Blocks:** 40 acres Orientation: Standup Description: TRS/County Lot 3 (NE/4 NW/4 equivalent), the SE/4 NW/4, and the E/2 SW/4 of Section 5 and the E/2 W/2 of Section 8, Township 20 South, Range 34 East, NMPM, Lea County, New Mexico Standard Horizontal Well Spacing Unit (Y/N), If No, describe and is approval of non-standard unit requested in this application? Other Situations Depth Severance: Y/N. If yes, description N/A BEFORE THE OIL CONSERVATION DIVISION Santa Fe, New Mexico Proximity Tracts: If yes, description No Exhibit No. B Submitted by: Read & Stevens, Inc. Hearing Date: July 20, 2023 Proximity Defining Well: if yes, description No Case No. 23517 Applicant's Ownership in Each Tract **Exhibit C-8** Well(s) Name & API (if assigned), surface and bottom hole location, Add wells as needed footages, completion target, orientation, completion status

(standard or non-standard)

Well #1	Joker 5-8 Fed Com 112H:
	SHL: 385' FNL, 2,055' FWL (Lot 3) of Section 5
	BHL: 10' FSL, 1,650' FWL (Unit N) of Section 8
	Completion Target: Bone Spring formation
	Well Orientation: North-South
	Completion Location expected to be: Standard
Well #2	Joker 5-8 Fed Com 123H:
	SHL: 385' FNL, 2,154' FWL (Lot 3) of Section 5
	BHL: 10' FSL, 1,650' FWL (Unit N) of Section 8
	Completion Target: Bone Spring formation
	Well Orientation: North-South
	Completion Location expected to be: Standard
Well #3	Joker 5-8 Fed Com 124H:
	SHL: 385' FNL, 2,187' FWL (Lot 3) of Section 5 BHL: 10' FSL, 2,310' FWL (Unit N) of Section 8
	Completion Target: Bone Spring formation
	Well Orientation: North-South
	Completion Location expected to be: Standard
Well #4	Joker 5-8 Fed Com 172H:
	SHL: 255' FNL, 2,186' FWL (Lot 3) of Section 5
	BHL: 10' FSL, 2,310' FWL (Unit N) of Section 8
	Completion Target: Bone Spring formation
	Well Orientation: North-South
	Completion Location expected to be: Standard
Well #5	Joker 5-8 Fed Com 132H:
	SHL: 255' FNL, 2,120' FWL (Lot 3) of Section 5
	BHL: 10' FSL, 1,650' FWL (Unit N) of Section 8
	Completion Target: Bone Spring formation
	Well Orientation: North-South
	Completion Location expected to be: Standard
Horizontal Well First and Last Take Points	Exhibit C-1
Completion Target (Formation, TVD and MD)	Exhibit C-10
AFE Capex and Operating Costs	
Drilling Supervision/Month \$	\$8,000
Production Supervision/Month \$	\$800
Justification for Supervision Costs	Exhibit C
Requested Risk Charge	200%
Notice of Hearing	
Proposed Notice of Hearing	Exhibit A
Proof of Mailed Notice of Hearing (20 days before hearing)	Exhibit G
Proof of Published Notice of Hearing (10 days before hearing)	Exhibit H
Ownership Determination	
Land Ownership Schematic of the Spacing Unit	Exhibit C-3
Tract List (including lease numbers and owners)	Exhibit C-3, C-5, C-6, C-7, C-8

If approval of Non-Standard Spacing Unit is requested, Tract List (including lease numbers and owners) of Tracts subject to notice	1880 101
requirements.	N/A
Pooled Parties (including ownership type)	Exhibit C-5, C-6, C-7
Unlocatable Parties to be Pooled	None
Ownership Depth Severance (including percentage above & below)	N/A
Joinder	
Sample Copy of Proposal Letter	Exhibit C-10
List of Interest Owners (ie Exhibit A of JOA)	Exhibit C-8
Chronology of Contact with Non-Joined Working Interests	Exhibit C-11
Overhead Rates In Proposal Letter	Exhibit C-10
Cost Estimate to Drill and Complete	Exhibit C-10
Cost Estimate to Equip Well	Exhibit C-10
Cost Estimate for Production Facilities	Exhibit C-10
Geology	
Summary (including special considerations)	Exhibit E
Spacing Unit Schematic	Exhibit E-19
Gunbarrel/Lateral Trajectory Schematic	Exhibit E-25
Well Orientation (with rationale)	Exhibit E
Target Formation	Exhibit E, E-24
HSU Cross Section	Exhibit E-24
Depth Severance Discussion	N/A
Forms, Figures and Tables	
C-102	Exhibit C-1
Tracts	Exhibit C-3
Summary of Interests, Unit Recapitulation (Tracts)	Exhibit C-3, C-5, C-6, C-7, C-8
General Location Map (including basin)	Exhibit E-1
Well Bore Location Map	Exhibit E-19
Structure Contour Map - Subsea Depth	Exhibit E-20, E-21, E-22, E-23
Cross Section Location Map (including wells)	Exhibit E-20, E-21, E-22, E-23
Cross Section (including Landing Zone) Additional Information	Exhibit E-24
Special Provisions/Stipulations	See Exhibit C, para. 25
CERTIFICATION: I hereby certify that the information provide	ed in this checklist is complete and accurate.
Printed Name (Attorney or Party Representative):	Adam G. Rankin
Signed Name (Attorney or Party Representative): Date:	7/13/2023

ALL INFORMATION IN THE APPLICATION MUST BE SUPPORTED BY SIGNED AFFIDAVITS Case: 23518 APPLICANT'S RESPONSE Date July 20, 2023 **Applicant** Read & Stevens, Inc. Designated Operator & OGRID (affiliation if applicable) Permian Resources Operating, LLC (372165) **Holland & Hart LLP** Applicant's Counsel: Case Title: APPLICATION OF READ & STEVENS, INC. FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO Entries of Appearance/Intervenors: Cimarex Energy Co., Sandstone Properties, LLC, Northern Oil and Gas, Inc. Well Family Joker Formation/Pool Formation Name(s) or Vertical Extent: **Bone Spring formation** Oil Primary Product (Oil or Gas): N/A Pooling this vertical extent: Pool Name and Pool Code: Teas; Bone Spring, East (96637) Well Location Setback Rules: Statewide setbacks **Spacing Unit** Type (Horizontal/Vertical) Horizontal Size (Acres) 320.06-acre, more or less **Building Blocks:** 40 acres Orientation: Standup Description: TRS/County Lot 2 (NW/4 NE/4 equivalent), the SW/4 NE/4, and the W/2 SE/4 of Section 5 and the W/2 E/2 of Section 8, Township 20 South, Range 34 East, NMPM, Lea County, New Mexico Standard Horizontal Well Spacing Unit (Y/N), If No, describe and is approval of non-standard unit requested in this application? Other Situations Depth Severance: Y/N. If yes, description N/A Proximity Tracts: If yes, description No BEFORE THE OIL CONSERVATION DIVISION Santa Fe, New Mexico Exhibit No. B Proximity Defining Well: if yes, description No Submitted by: Read & Stevens, Inc. Hearing Date: July 20, 2023 Case No. 23518 Applicant's Ownership in Each Tract **Exhibit C-8** Well(s) Name & API (if assigned), surface and bottom hole location, Add wells as needed footages, completion target, orientation, completion status (standard or non-standard)

	Completion Location expected to be: Standard
Horizontal Well First and Last Take Points	Exhibit C-1
Completion Target (Formation, TVD and MD)	Exhibit C-10
AFE Capex and Operating Costs	

Drilling Supervision/Month \$ \$8,000 Production Supervision/Month \$ \$800 **Exhibit C** Justification for Supervision Costs Requested Risk Charge 200% **Notice of Hearing** Proposed Notice of Hearing Exhibit A Proof of Mailed Notice of Hearing (20 days before hearing) **Exhibit G** Proof of Published Notice of Hearing (10 days before hearing) **Exhibit H**

Ownership Determination Land Ownership Schematic of the Spacing Unit Exhibit C-3 Tract List (including lease numbers and owners) Exhibit C-3, C-5, C-6, C-7, C-8

If approval of Non-Standard Spacing Unit is requested, Tract List	ruge 104
(including lease numbers and owners) of Tracts subject to notice requirements.	N/A
Pooled Parties (including ownership type)	Exhibit C-5, C-6, C-7
Unlocatable Parties to be Pooled	None
Ownership Depth Severance (including percentage above &	None
below)	N/A
Joinder	
Sample Copy of Proposal Letter	Exhibit C-10
List of Interest Owners (ie Exhibit A of JOA)	Exhibit C-8
Chronology of Contact with Non-Joined Working Interests	Exhibit C-11
Overhead Rates In Proposal Letter	Exhibit C-10
Cost Estimate to Drill and Complete	Exhibit C-10
Cost Estimate to Equip Well	Exhibit C-10
Cost Estimate for Production Facilities	Exhibit C-10
Geology	
Summary (including special considerations)	Exhibit E
Spacing Unit Schematic	Exhibit E-19
Gunbarrel/Lateral Trajectory Schematic	Exhibit E-25
Well Orientation (with rationale)	Exhibit E
Target Formation	Exhibit E, E-24
HSU Cross Section	Exhibit E-24
Depth Severance Discussion	N/A
Forms, Figures and Tables	
C-102	Exhibit C-1
Tracts	Exhibit C-3
Summary of Interests, Unit Recapitulation (Tracts)	Exhibit C-3, C-5, C-6, C-7, C-8
General Location Map (including basin)	Exhibit E-1
Well Bore Location Map	Exhibit E-19
Structure Contour Map - Subsea Depth	Exhibit E-20, E-21, E-22, E-23
Cross Section Location Map (including wells)	Exhibit E-20, E-21, E-22, E-23
Cross Section (including Landing Zone)	Exhibit E-24
Additional Information	
Special Provisions/Stipulations	See Exhibit C, para. 25
CERTIFICATION: I hereby certify that the information provide	ed in this checklist is complete and accurate.
Printed Name (Attorney or Party Representative):	Adam G. Rankin
Signed Name (Attorney or Party Representative):	
Date: Released to Imaging: 7/14/2023 1:35:37 PM	7/13/2023

Case: 23519	APPLICANT'S RESPONSE
Date	July 20, 2023
Applicant	Read & Stevens, Inc.
Designated Operator & OGRID (affiliation if applicable)	Permian Resources Operating, LLC (372165)
Applicant's Counsel:	Holland & Hart LLP
Case Title:	APPLICATION OF READ & STEVENS, INC. FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO
Entries of Appearance/Intervenors:	Cimarex Energy Co., Sandstone Properties, LLC, Northern Oil and Gas, Inc.
Well Family	Joker
Formation/Pool	
Formation Name(s) or Vertical Extent:	Bone Spring formation
Primary Product (Oil or Gas):	Oil
Pooling this vertical extent:	N/A
Pool Name and Pool Code:	Teas; Bone Spring, East (96637)
Well Location Setback Rules:	Statewide setbacks
Spacing Unit	
Type (Horizontal/Vertical)	Horizontal
Size (Acres)	320.09-acre, more or less
Building Blocks:	40 acres
Orientation:	Standup
Description: TRS/County	Lot 1 (NE/4 NE/4 equivalent), the SE/4 NE/4, and the E/2 SE/4 of Section 5 and the E/2 E/2 of Section 8, Township 20 South, Range 34 East, NMPM, Lea County, New Mexico
Standard Horizontal Well Spacing Unit (Y/N), If No, describe <u>and</u> is approval of non-standard unit requested in this application?	Yes
Other Situations	
Depth Severance: Y/N. If yes, description	N/A
Proximity Tracts: If yes, description	NO BEFORE THE OIL CONSERVATION DIVISION Santa Fe, New Mexico
Proximity Defining Well: if yes, description	No Submitted by: Read & Stevens, Inc. Hearing Date: July 20, 2023
Applicant's Ownership in Each Tract	Exhibit C-8
Well(s)	
Name & API (if assigned), surface and bottom hole location, footages, completion target, orientation, completion status (standard or non-standard)	Add wells as needed

Well #1	Joker 5-8 Fed Com 114H:
	SHL: 383' FNL, 1,854' FEL (Lot 2) of Section 5
	BHL: 10' FSL, 990' FEL (Unit P) of Section 8
	Completion Target: Bone Spring formation Well Orientation: North-South
	Completion Location expected to be: Standard
Well #2	Joker 5-8 Fed Com 127H:
	SHL: 383' FNL, 1,920' FEL (Lot 2) of Section 5
	BHL: 10' FSL, 990' FEL (Unit P) of Section 8
	Completion Target: Bone Spring formation
	Well Orientation: North-South Completion Location expected to be: Standard
Well #3	Joker 5-8 Fed Com 128H:
Well #3	SHL: 383' FNL, 1,887' FEL (Lot 2) of Section 5
	BHL: 10' FSL, 330' FEL (Unit P) of Section 8
	Completion Target: Bone Spring formation
	Well Orientation: North-South
	Completion Location expected to be: Standard
Well #4	Joker 5-8 Fed Com 174H:
	SHL: 253' FNL, 1,855' FEL (Lot 2) of Section 5 BHL: 10' FSL, 330' FEL (Unit P) of Section 8
	Completion Target: Bone Spring formation
	Well Orientation: North-South
	Completion Location expected to be: Standard
Well #5	Joker 5-8 Fed Com 134H:
	SHL: 253' FNL, 1,921' FEL (Lot 2) of Section 5
	BHL: 10' FSL, 990' FEL (Unit P) of Section 8
	Completion Target: Bone Spring formation Well Orientation: North-South
	Completion Location expected to be: Standard
Horizontal Well First and Last Take Points	Exhibit C-1
Completion Target (Formation, TVD and MD)	Exhibit C-10
AFE Capex and Operating Costs	
Drilling Supervision/Month \$	\$8,000
Production Supervision/Month \$	\$800
Justification for Supervision Costs	Exhibit C
Requested Risk Charge	200%
Notice of Hearing	
Proposed Notice of Hearing	Exhibit A
Proof of Mailed Notice of Hearing (20 days before hearing)	Exhibit G
Proof of Published Notice of Hearing (10 days before hearing)	Exhibit H
Ownership Determination	
Land Ownership Schematic of the Spacing Unit	Exhibit C-3
Tract List (including lease numbers and owners)	Exhibit C-3, C-5, C-6, C-7, C-8

If approval of Non-Standard Spacing Unit is requested, Tract List (including lease numbers and owners) of Tracts subject to notice	
requirements.	N/A
Pooled Parties (including ownership type)	Exhibit C-5, C-6, C-7
Unlocatable Parties to be Pooled	None
Ownership Depth Severance (including percentage above & below)	N/A
Joinder	
Sample Copy of Proposal Letter	Exhibit C-10
List of Interest Owners (ie Exhibit A of JOA)	Exhibit C-8
Chronology of Contact with Non-Joined Working Interests	Exhibit C-11
Overhead Rates In Proposal Letter	Exhibit C-10
Cost Estimate to Drill and Complete	Exhibit C-10
Cost Estimate to Equip Well	Exhibit C-10
Cost Estimate for Production Facilities	Exhibit C-10
Geology	
Summary (including special considerations)	Exhibit E
Spacing Unit Schematic	Exhibit E-19
Gunbarrel/Lateral Trajectory Schematic	Exhibit E-25
Well Orientation (with rationale)	Exhibit E
Target Formation	Exhibit E, E-24
HSU Cross Section	Exhibit E-24
Depth Severance Discussion	N/A
Forms, Figures and Tables	
C-102	Exhibit C-1
Tracts	Exhibit C-3
Summary of Interests, Unit Recapitulation (Tracts)	Exhibit C-3, C-5, C-6, C-7, C-8
General Location Map (including basin)	Exhibit E-1
Well Bore Location Map	Exhibit E-19
Structure Contour Map - Subsea Depth	Exhibit E-20, E-21, E-22, E-23
Cross Section Location Map (including wells)	Exhibit E-20, E-21, E-22, E-23
Cross Section (including Landing Zone) Additional Information	Exhibit E-24
Special Provisions/Stipulations	See Exhibit C, para. 25
CERTIFICATION: I hereby certify that the information provid	ed in this checklist is complete and accurate.
Printed Name (Attorney or Party Representative):	Adam G. Rankin
Signed Name (Attorney or Party Representative): Date:	7/13/2023

ALL INFORMATION IN THE APPLICATION MUST BE SUPPORTED BY SIGNED AFFIDAVITS

Case: 23520	APPLICANT'S RESPONSE
Date	July 20, 2023
Applicant	Read & Stevens, Inc.
Designated Operator & OGRID (affiliation if applicable)	Permian Resources Operating, LLC (372165)
Applicant's Counsel:	Holland & Hart LLP
Case Title:	APPLICATION OF READ & STEVENS, INC. FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO
Entries of Appearance/Intervenors:	Cimarex Energy Co., Sandstone Properties, LLC, Northern Oil and Gas, Inc.
Well Family	Joker
Formation/Pool	
Formation Name(s) or Vertical Extent:	Wolfcamp formation
Primary Product (Oil or Gas):	Oil
Pooling this vertical extent:	N/A
Pool Name and Pool Code:	Tonto; Wolfcamp (59500)
Well Location Setback Rules:	Statewide setbacks
Spacing Unit	
Type (Horizontal/Vertical)	Horizontal
Size (Acres)	320.01-acre, more or less
Building Blocks:	40 acres
Orientation:	Standup
Description: TRS/County	Lot 4 (NW/4 NW/4 equivalent), the SW/4 NW/4, and the W/2 SW/4 of Section 5 and the W/2 W/2 of Section 8, Township 20 South, Range 34 East, NMPM, Lea County, New Mexico
Standard Horizontal Well Spacing Unit (Y/N), If No, describe and is approval of non-standard unit requested in this application?	Yes
Other Situations	
Depth Severance: Y/N. If yes, description	N/A
Proximity Tracts: If yes, description	NO BEFORE THE OIL CONSERVATION DIVISION Santa Fe, New Mexico Exhibit No. B
Proximity Defining Well: if yes, description	No Submitted by: Read & Stevens, Inc. Hearing Date: July 20, 2023 Case No. 23520
Applicant's Ownership in Each Tract	Exhibit C-8
Well(s)	

Additional Information

Cross Section (including Landing Zone)

See Exhibit A, para. 25

CERTIFICATION: I hereby certify that the information provided in this checklist is complete and accurate.

Printed Name (Attorney or Party Representative):

Adam G. Rankin

Exhibit E-28

Signed Name (Attorney or Party Representative):

Date:

7/13/2023

COMPULSORY POOLING APPLICATION CHECKLIST

ALL INFORMATION IN THE APPLICATION MUST BE SUPPORTED BY SIGNED AFFIDAVITS

Case: 23521	APPLICANT'S RESPONSE				
Date	July 20, 2023				
Applicant	Read & Stevens, Inc.				
Designated Operator & OGRID (affiliation if applicable)	Permian Resources Operating, LLC (372165)				
Applicant's Counsel:	Holland & Hart LLP				
Case Title:	APPLICATION OF READ & STEVENS, INC. FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO				
Entries of Appearance/Intervenors:	Cimarex Energy Co., Sandstone Properties, LLC, Northern Oil and Gas, Inc.				
Well Family	Joker				
Formation/Pool					
Formation Name(s) or Vertical Extent:	Wolfcamp formation				
Primary Product (Oil or Gas):	Oil				
Pooling this vertical extent:	N/A				
Pool Name and Pool Code:	Tonto; Wolfcamp (59500)				
Well Location Setback Rules:	Statewide setbacks				
Spacing Unit					
Type (Horizontal/Vertical)	Horizontal				
Size (Acres)	320.04-acre, more or less				
Building Blocks:	40 acres				
Orientation:	Standup				
Description: TRS/County	Lot 3 (NE/4 NW/4 equivalent), the SE/4 NW/4, and the E/2 SW/4 of Section 5 and the E/2 W/2 of Section 8, Township 20 South, Range 34 East, NMPM, Lea County, New Mexico				
Standard Horizontal Well Spacing Unit (Y/N), If No, describe and is approval of non-standard unit requested in this application?	Yes				
Other Situations					
Depth Severance: Y/N. If yes, description	N/A				
Proximity Tracts: If yes, description	NO BEFORE THE OIL CONSERVATION DIVISION Santa Fe, New Mexico Exhibit No. B				
Proximity Defining Well: if yes, description	No Submitted by: Read & Stevens, Inc. Hearing Date: July 20, 2023 Case No. 23521				
Applicant's Ownership in Each Tract	Exhibit C-8				
Well(s)					

Summary (including special considerations)	Exhibit E
Spacing Unit Schematic	Exhibit E-26
Gunbarrel/Lateral Trajectory Schematic	Exhibit E-29
Well Orientation (with rationale)	Exhibit E
Target Formation	Exhibit E, E-28
HSU Cross Section	Exhibit E-28
Depth Severance Discussion	N/A
Forms, Figures and Tables	
C-102	Exhibit C-1
Tracts	Exhibit C-4
Summary of Interests, Unit Recapitulation (Tracts)	Exhibit C-4, C-5, C-6, C-7, C-8
General Location Map (including basin)	Exhibit E-1
Well Bore Location Map	Exhibit E-26
Structure Contour Map - Subsea Depth	Exhibit E-27
Cross Section Location Map (including wells)	Exhibit E-28
Cross Section (including Landing Zone)	Exhibit E-28
Additional Information	
Special Provisions/Stipulations	See Exhibit A, para. 25
CERTIFICATION: I hereby certify that the information pro	ovided in this checklist is complete and accurate.
Printed Name (Attorney or Party Representative):	Adam G. Rankin
Signed Name (Attorney or Party Representative):	
Date:	7/13/2023

COMPULSORY POOLING APPLICATION CHECKLIST

ALL INFORMATION IN THE APPLICATION MUST BE SUPPORTED BY SIGNED AFFIDAVITS

Case: 23522	APPLICANT'S RESPONSE				
Date	July 20, 2023				
Applicant	Read & Stevens, Inc.				
Designated Operator & OGRID (affiliation if applicable)	Permian Resources Operating, LLC (372165)				
Applicant's Counsel:	Holland & Hart LLP				
Case Title:	APPLICATION OF READ & STEVENS, INC. FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO				
Entries of Appearance/Intervenors:	Cimarex Energy Co., Sandstone Properties, LLC, Northern Oil and Gas, Inc.				
Well Family	Joker				
Formation/Pool					
Formation Name(s) or Vertical Extent:	Wolfcamp formation				
Primary Product (Oil or Gas):	Oil				
Pooling this vertical extent:	N/A				
Pool Name and Pool Code:	Tonto; Wolfcamp (59500)				
Well Location Setback Rules:	Statewide setbacks				
Spacing Unit					
Type (Horizontal/Vertical)	Horizontal				
Size (Acres)	320.06-acre, more or less				
Building Blocks:	40 acres				
Orientation:	Standup				
Description: TRS/County	Lot 2 (NW/4 NE/4 equivalent), the SW/4 NE/4, and the W/2 SE/4 of Section 5 and the W/2 E/2 of Section 8, Township 20 South, Range 34 East, NMPM, Lea County, New Mexico				
Standard Horizontal Well Spacing Unit (Y/N), If No, describe and is approval of non-standard unit requested in this application?	Yes				
Other Situations					
Depth Severance: Y/N. If yes, description	N/A				
Proximity Tracts: If yes, description	NO BEFORE THE OIL CONSERVATION DIVISION Santa Fe, New Mexico Exhibit No. B				
Proximity Defining Well: if yes, description	No Submitted by: Read & Stevens, Inc. Hearing Date: July 20, 2023 Case No. 23522				
Applicant's Ownership in Each Tract	Exhibit C-8				
Well(s)					

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Summary (including special considerations)	Exhibit E					
Spacing Unit Schematic	Exhibit E-26					
Gunbarrel/Lateral Trajectory Schematic	Exhibit E-29					
Well Orientation (with rationale)	Exhibit E					
Target Formation	Exhibit E, E-28					
HSU Cross Section	Exhibit E-28					
Depth Severance Discussion	N/A					
Forms, Figures and Tables						
C-102	Exhibit C-1					
Tracts	Exhibit C-4					
Summary of Interests, Unit Recapitulation (Tracts)	Exhibit C-4, C-5, C-6, C-7, C-8					
General Location Map (including basin)	Exhibit E-1					
Well Bore Location Map	Exhibit E-26					
Structure Contour Map - Subsea Depth	Exhibit E-27					
Cross Section Location Map (including wells)	Exhibit E-28					
Cross Section (including Landing Zone)	Exhibit E-28					
Additional Information						
Special Provisions/Stipulations	See Exhibit A, para. 25					
CERTIFICATION: I hereby certify that the information provided in this checklist is complete and accurate.						
Printed Name (Attorney or Party Representative):	Adam G. Rankin					
Signed Name (Attorney or Party Representative):						
Date:	7/13/2023					

COMPULSORY POOLING APPLICATION CHECKLIST

ALL INFORMATION IN THE APPLICATION MUST BE SUPPORTED BY SIGNED AFFIDAVITS

Case: 23523	APPLICANT'S RESPONSE				
Date	July 20, 2023				
Applicant	Read & Stevens, Inc.				
Designated Operator & OGRID (affiliation if applicable)	Permian Resources Operating, LLC (372165)				
Applicant's Counsel:	Holland & Hart LLP				
Case Title:	APPLICATION OF READ & STEVENS, INC. FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO				
Entries of Appearance/Intervenors:	Cimarex Energy Co., Sandstone Properties, LLC, Northern Oil and Gas, Inc.				
Well Family	Joker				
Formation/Pool					
Formation Name(s) or Vertical Extent:	Wolfcamp formation				
Primary Product (Oil or Gas):	Oil				
Pooling this vertical extent:	N/A				
Pool Name and Pool Code:	Tonto; Wolfcamp (59500)				
Well Location Setback Rules:	Statewide setbacks				
Spacing Unit					
Type (Horizontal/Vertical)	Horizontal				
Size (Acres)	320.09-acre, more or less				
Building Blocks:	40 acres				
Orientation:	Standup				
Description: TRS/County	Lot 1 (NE/4 NE/4 equivalent), the SE/4 NE/4, and the E/2 SE/4 of Section 5 and the E/2 E/2 of Section 8, Township 20 South, Range 34 East, NMPM, Lea County, New Mexico				
Standard Horizontal Well Spacing Unit (Y/N), If No, describe and is approval of non-standard unit requested in this application?	Yes				
Other Situations					
Depth Severance: Y/N. If yes, description	N/A				
Proximity Tracts: If yes, description	NO BEFORE THE OIL CONSERVATION DIVISION Santa Fe, New Mexico Exhibit No. B				
Proximity Defining Well: if yes, description	No Submitted by: Read & Stevens, Inc. Hearing Date: July 20, 2023 Case No. 23523				
Applicant's Ownership in Each Tract	Exhibit C-8				
Well(s)					

ACCEPTED BY CCD. //IT/2020 12.20.00 131	1 115 (117 () 7)
Summary (including special considerations)	Exhibit E
Spacing Unit Schematic	Exhibit E-26
Gunbarrel/Lateral Trajectory Schematic	Exhibit E-29
Well Orientation (with rationale)	Exhibit E
Target Formation	Exhibit E, E-28
HSU Cross Section	Exhibit E-28
Depth Severance Discussion	N/A
Forms, Figures and Tables	
C-102	Exhibit C-1
Tracts	Exhibit C-4
Summary of Interests, Unit Recapitulation (Tracts)	Exhibit C-4, C-5, C-6, C-7, C-8
General Location Map (including basin)	Exhibit E-1
Well Bore Location Map	Exhibit E-26
Structure Contour Map - Subsea Depth	Exhibit E-27
Cross Section Location Map (including wells)	Exhibit E-28
Cross Section (including Landing Zone)	Exhibit E-28
Additional Information	
Special Provisions/Stipulations	See Exhibit A, para. 25
CERTIFICATION: I hereby certify that the information pro	ovided in this checklist is complete and accurate.
Printed Name (Attorney or Party Representative):	Adam G. Rankin
Signed Name (Attorney or Party Representative):	(D)
Date:	7/13/2023

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STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

APPLICATIONS OF CIMAREX ENERGY CO. FOR A HORIZONTAL SPACING UNIT AND COMPULSORY POOLING, LEA COUNTY, NEW MEXICO

CASE NOS. 23448-23455

APPLICATIONS OF CIMAREX ENERGY CO. FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO

CASE NOS. 23594-23601

APPLICATIONS OF READ & STEVENS, INC. FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO.

CASE NOS. 23508-23523

SELF-AFFIRMED STATEMENT OF TRAVIS MACHA

- 1. My name is Travis Macha. I work for Permian Resources Operating, LLC ("Permian") as a Senior Landman.
- 2. I have previously testified before the New Mexico Oil Conservation Division ("Division") as an expert witness in petroleum land matters. My credentials as a petroleum landman have been accepted by the Division and made a matter of record.
- 3. I am familiar with the applications filed by Read & Stevens in these cases, and I am familiar with the status of the lands in the subject area. I am also familiar with the applications filed by Cimarex Energy Co. ("Cimarex") in competing Case Nos. 23448-23455 and 23594-23601 and related land matters.
- 4. Read & Stevens, Inc. ("Read & Stevens") is the applicant in these cases. It is a subsidiary of Permian. Read & Stevens owns a mineral interest in the subject acreage and has a

BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Exhibit No. C
Submitted by: Read & Stevens, Inc.
Hearing Date: July 20, 2023

Case Nos. 23508-23523

1

right to drill in the spacing units proposed under these cases. In each case, Permian will be the designated operator.

- 5. In my opinion, Read & Stevens' plan of development is superior to Cimarex's competing proposal. Cimarex's proposal to try to develop the Wolfcamp formation through wells drilled and completed in the Third Bone Spring interval will (1) violate the statutory mandate governing allocation of production under compulsory pooling orders; (2) impair correlative rights due to non-uniform ownership between the Bone Spring and Wolfcamp formations; and (3) violate the Division's regulations governing pool rules and standard horizontal well spacing units.
- 6. In contrast, Read & Stevens' plan is part of a comprehensive development across ten sections within the subject Township that suffers none of Cimarex's defects. By co-developing the Bone Spring and Wolfcamp formations as separate pools with separate horizontal wells, Read & Stevens' plan comports with the statutory requirements for allocating production in compulsory pooling, will fully protect owners' correlative rights, and meets the Division's requirements for the targeted pools and standard horizontal well spacing units.
- 7. Moreover, Permian is an experienced oil and gas operator in the potash area, which includes the acreage involved in its Joker project in Case Nos. 23516-23523 and has been proactive getting Potash Development Area and Drill Islands reviewed and approved by the BLM in accordance with BLM's requirements.

SUMMARY OF READ & STEVENS' APPLICATIONS AND PLAN OF DEVELOPMENT

- 8. In these consolidated cases, Read & Stevens seeks orders pooling all uncommitted mineral owners in the Bone Spring and Wolfcamp formations, as follows:
 - Under Case No. 23508, Read & Stevens seeks to pool all uncommitted interests in the Bone Spring formation underlying a standard 320-acre, more or less, horizontal well spacing comprised of Lot 4 (NW/4 NW/4 equivalent), the SW/4 NW/4, and the W/2 SW/4 of Section 4 and the W/2 W/2 of Section 9, Township 20 South,

Range 34 East, NMPM, Lea County, New Mexico. Said unit will be initially dedicated to the proposed **Bane 4-9 Federal Com 111H, 121H, 122H, 171H, and 131H wells**, to be horizontally drilled from a surface location in the NE/4 NW/4 (Lot 3) of Section 4, Township 20 South, Range 34 East, to bottom hole locations in the SW/4 SW/4 (Unit M) of Section 9, Township 20 South, Range 34 East.

- Under Case No. 23509, Read & Stevens seeks to pool all uncommitted interests in the Bone Spring formation underlying a standard 320-acre, more or less, horizontal well spacing comprised of Lot 3 (NE/4 NW/4 equivalent), the SE/4 NW/4, and the E/2 SW/4 of Section 4 and the E/2 W/2 of Section 9, Township 20 South, Range 34 East, NMPM, Lea County, New Mexico. Said unit will be initially dedicated to the proposed Bane 4-9 Federal Com 112H, 123H, 124H, 172H, 132H wells, to be horizontally drilled from a surface location in the NE/4 NW/4 (Lot 3) of Section 4, Township 20 South, Range 34 East, to bottom hole locations in the SE/4 SW/4 (Unit N) of Section 9, Township 20 South, Range 34 East.
- Under Case No. 23510, Read & Stevens seeks to pool all uncommitted interests in the Bone Spring formation underlying a standard 320-acre, more or less, horizontal well spacing comprised of Lot 2 (NW/4 NE/4 equivalent), the SW/4 NE/4, and the W/2 SE/4 of Section 4 and the W/2 E/2 of Section 9, Township 20 South, Range 34 East, NMPM, Lea County, New Mexico. Said unit will be dedicated to the following proposed initial wells:
 - o Bane 4-9 Federal Com 113H and 173H wells, to be horizontally drilled from a surface location in the NW/4 NE/4 (Lot 2) of Section 4, Township 20 South, Range 34 East, to bottom hole locations in the SW/4 SE/4 (Unit O) of Section 9, Township 20 South, Range 34 East; and
 - o **Bane 4-9 Federal Com 125H, 126H, and 133H wells**, to be horizontally drilled from a surface location in the NE/4 NE/4 (Lot 1) of Section 4, Township 20 South, Range 34 East, to bottom hole locations in the SW/4 SE/4 (Unit O) of Section 9, Township 20 South, Range 34 East.
- Under Case No. 23511, Read & Stevens seeks to pool all uncommitted interests in the Bone Spring formation underlying a standard 320-acre, more or less, horizontal well spacing comprised of Lot 1 (NE/4 NE/4 equivalent), the SE/4 NE/4, and the E/2 SE/4 of Section 4 and the E/2 E/2 of Section 9, Township 20 South, Range 34 East, NMPM, Lea County, New Mexico. Said unit will be initially dedicated to the proposed Bane 4-9 Federal Com 114H, 127H, 128H, 174H, 134H wells, to be horizontally drilled from a surface location in the NE/4 NE/4 (Lot 1) of Section 4, Township 20 South, Range 34 East, to bottom hole locations in the SE/4 SE/4 (Unit P) of Section 9, Township 20 South, Range 34 East.
- Under Case No. 23512, Read & Stevens seeks to pool all uncommitted interests in the Wolfcamp formation underlying a standard 320-acre, more or less, horizontal well spacing comprised of Lot 4 (NW/4 NW/4 equivalent), the SW/4 NW/4, and

the W/2 SW/4 of Section 4 and the W/2 W/2 of Section 9, Township 20 South, Range 34 East, NMPM, Lea County, New Mexico. Said unit will be initially dedicated to the proposed **Bane 4-9 Federal Com 201H well**, to be horizontally drilled from a surface location in the NE/4 NW/4 (Lot 3) of Section 4, Township 20 South, Range 34 East, to a bottom hole location in the SW/4 SW/4 (Unit M) of Section 9, Township 20 South, Range 34 East.

- Under Case No. 23513, Read & Stevens seeks to pool all uncommitted interests in the Wolfcamp formation underlying a standard 320-acre, more or less, horizontal well spacing comprised of Lot 3 (NE/4 NW/4 equivalent), the SE/4 NW/4, and the E/2 SW/4 of Section 4 and the E/2 W/2 of Section 9, Township 20 South, Range 34 East, NMPM, Lea County, New Mexico. Said unit will be initially dedicated to the proposed Bane 4-9 Federal Com 202H well, to be horizontally drilled from a surface location in the NE/4 NW/4 (Lot 3) of Section 4, Township 20 South, Range 34 East, to a bottom hole location in the SE/4 SW/4 (Unit N) of Section 9, Township 20 South, Range 34 East.
- Under Case No. 23514, Read & Stevens seeks to pool all uncommitted interests in the Wolfcamp formation underlying a standard 320-acre, more or less, horizontal well spacing comprised of Lot 2 (NW/4 NE/4 equivalent), the SW/4 NE/4, and the W/2 SE/4 of Section 4 and the W/2 E/2 of Section 9, Township 20 South, Range 34 East, NMPM, Lea County, New Mexico. Said unit will be initially dedicated to the proposed Bane 4-9 Federal Com 203H well, to be horizontally drilled from a surface location in the NE/4 NE/4 (Lot 1) of Section 4, Township 20 South, Range 34 East, to a bottom hole location in the SW/4 SE/4 (Unit O) of Section 9, Township 20 South, Range 34 East.
- Under Case No. 23515, Read & Stevens seeks to pool all uncommitted interests in the Wolfcamp formation underlying a standard 320-acre, more or less, horizontal well spacing comprised of Lot 1 (NE/4 NE/4 equivalent), the SE/4 NE/4, and the E/2 SE/4 of Section 4 and the E/2 E/2 of Section 9, Township 20 South, Range 34 East, NMPM, Lea County, New Mexico. Said unit will be initially dedicated to the proposed Bane 4-9 Federal Com 204H well, to be horizontally drilled from a surface location in the NE/4 NE/4 (Lot 1) of Section 4, Township 20 South, Range 34 East, to a bottom hole location in the SE/4 SE/4 (Unit P) of Section 9, Township 20 South, Range 34 East.
- Under Case No. 23516, Read & Stevens seeks to pool all uncommitted interests in the Bone Spring formation underlying a standard 320-acre, more or less, horizontal well spacing comprised of Lot 4 (NW/4 NW/4 equivalent), the SW/4 NW/4, and the W/2 SW/4 of Section 5 and the W/2 W/2 of Section 8, Township 20 South, Range 34 East, NMPM, Lea County, New Mexico. Said unit will be initially dedicated to the proposed Joker 5-8 Federal Com 111H, 121H, 122H, 171H, and 131H wells, to be horizontally drilled from a surface location in the NE/4 NW/4 (Lot 3) of Section 5, Township 20 South, Range 34 East, to bottom hole locations in the SW/4 SW/4 (Unit M) of Section 8, Township 20 South, Range 34 East.

- Under Case No. 23517, Read & Stevens seeks to pool all uncommitted interests in the Bone Spring formation underlying a standard 320-acre, more or less, horizontal well spacing comprised of Lot 3 (NE/4 NW/4 equivalent), the SE/4 NW/4, and the E/2 SW/4 of Section 5 and the E/2 W/2 of Section 8, Township 20 South, Range 34 East, NMPM, Lea County, New Mexico. Said unit will be initially dedicated to the proposed Joker 5-8 Federal Com 112H, 123H, 124H, 172H, 132H wells, to be horizontally drilled from a surface location in the NE/4 NW/4 (Lot 3) of Section 5, Township 20 South, Range 34 East, to bottom hole locations in the SE/4 SW/4 (Unit N) of Section 8, Township 20 South, Range 34 East.
- Under Case No. 23518, Read & Stevens seeks to pool all uncommitted interests in the Bone Spring formation underlying a standard 320-acre, more or less, horizontal well spacing comprised of Lot 2 (NW/4 NE/4 equivalent), the SW/4 NE/4, and the W/2 SE/4 of Section 5 and the W/2 E/2 of Section 8, Township 20 South, Range 34 East, NMPM, Lea County, New Mexico. Said unit will be initially dedicated to the proposed Joker 5-8 Federal Com 113H, 125H, 126H, 173H, 133H wells, to be horizontally drilled from a surface location in the NW/4 NE/4 (Lot 2) of Section 5, Township 20 South, Range 34 East, to bottom hole locations in the SW/4 SE/4 (Unit O) of Section 8, Township 20 South, Range 34 East.
- Under Case No. 23519, Read & Stevens seeks to pool all uncommitted interests in the Bone Spring formation underlying a standard 320-acre, more or less, horizontal well spacing comprised of Lot 1 (NE/4 NE/4 equivalent), the SE/4 NE/4, and the E/2 SE/4 of Section 5 and the E/2 E/2 of Section 8, Township 20 South, Range 34 East, NMPM, Lea County, New Mexico. Said unit will be initially dedicated to the proposed **Joker 5-8 Federal Com 114H, 127H, 128H, 174H, 134H wells**, to be horizontally drilled from a surface location in the NW/4 NE/4 (Lot 2) of Section 5, Township 20 South, Range 34 East, to bottom hole locations in the SE/4 SE/4 (Unit P) of Section 8, Township 20 South, Range 34 East.
- Under Case No. 23520, Read & Stevens seeks to pool all uncommitted interests in the Wolfcamp formation underlying a standard 320-acre, more or less, horizontal well spacing comprised of Lot 4 (NW/4 NW/4 equivalent), the SW/4 NW/4, and the W/2 SW/4 of Section 5 and the W/2 W/2 of Section 8, Township 20 South, Range 34 East, NMPM, Lea County, New Mexico. Said unit will be initially dedicated to the proposed Joker 5-8 Federal Com 201H well, to be horizontally drilled from a surface location in the NE/4 NW/4 (Lot 3) of Section 5, Township 20 South, Range 34 East, to a bottom hole location in the SW/4 SW/4 (Unit M) of Section 8, Township 20 South, Range 34 East.
- Under Case No. 23521, Read & Stevens seeks to pool all uncommitted interests in the Wolfcamp formation underlying a standard 320-acre, more or less, horizontal well spacing comprised of Lot 3 (NE/4 NW/4 equivalent), the SE/4 NW/4, and the E/2 SW/4 of Section 5 and the E/2 W/2 of Section 8, Township 20 South, Range 34 East, NMPM, Lea County, New Mexico. Said unit will be initially dedicated to

the proposed **Joker 5-8 Federal Com 202H well**, to be horizontally drilled from a surface location in the NE/4 NW/4 (Lot 3) of Section 5, Township 20 South, Range 34 East, to a bottom hole location in the SE/4 SW/4 (Unit N) of Section 8, Township 20 South, Range 34 East.

- Under Case No. 23522, Read & Stevens seeks to pool all uncommitted interests in the Wolfcamp formation underlying a standard 320-acre, more or less, horizontal well spacing comprised of Lot 2 (NW/4 NE/4 equivalent), the SW/4 NE/4, and the W/2 SE/4 of Section 5 and the W/2 E/2 of Section 8, Township 20 South, Range 34 East, NMPM, Lea County, New Mexico. Said unit will be initially dedicated to the proposed **Joker 5-8 Federal Com 203H well**, to be horizontally drilled from a surface location in the NW/4 NE/4 (Lot 2) of Section 5, Township 20 South, Range 34 East, to a bottom hole location in the SW/4 SE/4 (Unit O) of Section 8, Township 20 South, Range 34 East.
- Under Case No. 23523, Read & Stevens seeks to pool all uncommitted interests in the Wolfcamp formation underlying a standard 320-acre, more or less, horizontal well spacing comprised of Lot 1 (NE/4 NE/4 equivalent), the SE/4 NE/4, and the E/2 SE/4 of Section 5 and the E/2 E/2 of Section 8, Township 20 South, Range 34 East, NMPM, Lea County, New Mexico. Said unit will be initially dedicated to the proposed Joker 5-8 Federal Com 204H well, to be horizontally drilled from a surface location in the NW/4 NE/4 (Lot 2) of Section 5, Township 20 South, Range 34 East, to a bottom hole location in the SE/4 SE/4 (Unit P) of Section 8, Township 20 South, Range 34 East.
- 9. **Read & Stevens Exhibit C-1** contains draft Form C-102s for each well in these spacing units grouped by case. These forms demonstrate that the completed interval for the wells in each case will comply with statewide setbacks for oil wells. The exhibit shows that the wells targeting the Bone Spring formation in Case Nos. 23508-23511 and 23516-23519 will be assigned to the Teas; Bone Spring, East Pool [Pool Code 96637] and the wells targeting the Wolfcamp formation in Case Nos. 23512-23515 and 23520-23523 will be assigned to the Tonto; Wolfcamp Pool [Pool Code 59500].
- 10. **Read & Stevens Exhibit C-2** is a summary and overview of Read & Stevens' plans to drill and develop the Joker and Bane units, anticipated spud dates, the status of its federal APDs and potash Development Area approvals, an explanation of the relationship between Read & Stevens, First Century Oil, and Permian, and the status of its updated title work. Permian Resources

submitted its required Joker Potash Development Area to the BLM on February 17, 2023. Cimarex did not submit its overlapping competing Development Area to the BLM until July 7, 2023, and it was not received by the BLM until July 12, 2023.

TRACTS AND OWNERSHIP BREAKDOWN

- 11. **Read & Stevens Exhibit C-3** depicts a tract map on the left side of the exhibit illustrating the separately owned tracts of land in the Bone Spring formation comprising Sections 4, 5, 8 and 9. The land is 100% federal, and the federal lease numbers are referenced in each tract. On the right side of the exhibit is an illustration of the proposed spacing units across Sections 5 and 8 associated with the Joker Bone Spring spacing units and the proposed spacing units across Sections 4 and 9 associated with the Bane Bone Spring spacing units. It identifies the Bone Spring wells dedicated to each proposed spacing unit by case number.
- 12. **Read & Stevens Exhibit C-4** shows a similar tract map on the left side of the exhibit depicting separately owned tracts of land in the Wolfcamp formation for the same acreage. The land is 100% federal, and the federal lease numbers are referenced in each tract. On the right side of the exhibit is an illustration of the proposed spacing units across Sections 5 and 8 associated with the Joker Wolfcamp spacing units and the proposed spacing units across Sections 4 and 9 associated with the Bane Wolfcamp spacing units. It identifies the Wolfcamp wells dedicated to each proposed spacing unit by case number.
- 13. **Read & Stevens Exhibit C-5** is a list of the working interest owners in these cases. On the left side of the exhibits are the working interest owners in Sections 5 and 8 associated with the Joker cases (Case Nos. 23516-23523). At the top left is a list of the working interest owners in the Bone Spring formation. At the bottom left is a list of the working interest owners in the Wolfcamp formation. On the right side of the exhibit are the working interest owners in Sections

4 and 9 associated with the Bane cases (Case Nos. 23508-23515). At the top left is a list of the working interest owners in the Bone Spring formation. At the bottom left is a list of the working interest owners in the Wolfcamp formation. Permian seeks to pool the working interest owners highlighted in yellow and with a "Y" by their name under the column "Pooled Party?" The exhibit also summarizes Permian's best understanding of the status of each party, such as whether it is likely to support Permian, Cimarex, or is neutral. The exhibit also notes at the bottom that there are important ownership differences in the working interest owners and ownership percentages between the Bone Spring and Wolfcamp formations that are explained in a later exhibit.

- 14. **Read & Stevens Exhibit C-6** is a list of the overriding royalty interest owners that Permian seeks to pool in all cases. The overriding royalty interest owners are the same in each case. The exhibit also summarizes Permian's best understanding of the status of each overriding royalty interest owner, such as whether it is likely to support Read & Stevens (R&S), Cimarex, or is neutral.
- 15. **Read & Stevens Exhibit C-7** is a list of the record title owners in the Joker units (Sections 5 and 8) and the Bane units (Section 4 and 9) under each federal lease. Some record title owners have assigned away their operating rights but nevertheless must be pooled for Permian to obtain federal communitization agreements from the BLM. Accordingly, Permian seeks to pool all record title owners highlighted in yellow on this exhibit and with a "Y" by their name under the column "Pooled Party?" The applicable cases in which each record title owner is being pooled are identified in a separate column.
- 16. **Read & Stevens Exhibit C-8** is a series of slides breaking down the ownership interests in the Joker units (Case Nos. 23516-23523). The first slide of the exhibit provides an overview of the ownership share of each working interest in the Joker spacing units on a spacing

unit basis. At the top are the ownership breakdowns for the Joker units in the Bone Spring formation for each case. The ownership breakdown for the Joker units in the Wolfcamp is at the bottom. Ownership interests that differ between the Bone Spring and Wolfcamp formations are indicated in **bold**. Of particular interest, Magnum Hunter (an affiliate company to Cimarex) owns a greater share of the working interest in the Bone Spring formation than in the Wolfcamp formation in this acreage. In contrast, Read & Stevens (Permian), MRC Permian, Northern Oil & Gas, First Century (Permian), CBR Oil, CLM Production, Marks Oil, Wilbanks, Warren Associates, and the Cimarex entity itself owns a greater share of working interest in the Wolfcamp formation than in the Bone Spring formation in this acreage. Significantly, CLM Production and Warren Associates own no interest in the Bone Spring formation in this acreage. The second slide is an ownership breakdown for each spacing unit on a tract basis.

- 17. The following eight slides in the exhibit contain bar graphs illustrating the ownership differences in the share of working interests between the Bone Spring and Wolfcamp formations across Sections 5 and 8 for each of the Joker unit cases (Case Nos. 23516-23523). Owners with a different proportionate share of interests between the Bone Spring and Wolfcamp formations are indicated with a red bar. Also detailed in these slides are tract-by-tract leasehold ownership representations for each case broken out between the Bone Spring and Wolfcamp formations.
- 18. These bar graphs highlight a fatal problem with Cimarex's plan of development. Cimarex has not proposed initial wells for its Wolfcamp spacing units; instead, Cimarex plans to rely on its proposed Third Bone Spring wells to initially produce and develop separate spacing units in the Wolfcamp formation. This approach is problematic for a host of geologic and engineering reasons, which are separately addressed by Permian's technical witnesses. For

example, by failing to co-develop the Third Bone Spring with the Wolfcamp, Cimarex's plan will result in substantial waste by leaving unrecovered resources in the Wolfcamp. In addition to causing substantial waste, this approach is fatal due to the ownership differences between the Bone Spring and Wolfcamp formations. Because ownership between the formations is not uniform and Cimarex will not initially complete wells in the Wolfcamp, Cimarex's plan fails to protect the correlative rights of working interest owners in both formations.

- 19. As Cimarex states in its applications, they believe their proposed Third Bone Spring wells will "be drilled to a sufficient depth to test production and ultimately produce from the Wolfcamp formation." See, e.g., Cimarex Application in Case No. 23594, ¶ 2. Cimarex's plan therefore proposes to intentionally drain reserves from Wolfcamp owners using a well dedicated to a Bone Spring pool with different owners and ownership percentages. Because the owners and ownership percentages between the formations are not uniform, allocation of production under this plan in a pooling order will impair the correlative rights of owners in both formations. New Mexico's compulsory pooling statute mandates that production be shared strictly on a surface acreage basis. See NMSA § 70-2-17 ("For the purpose of determining the portions of production owned by the persons owning interests in the pooled oil or gas, or both, such production shall be <u>allocated</u> to the respective tracts within the unit <u>in the proportion that the number of surface acres</u> included within each tract bears to the number of surface acres included in the entire unit." (emphasis added)). However, it is not possible to issue an order pooling Bone Spring and Wolfcamp spacing units and allocate production to owners in both pools on a surface acreage basis from wells completed in only the Bone Spring when ownership is not uniform.
- 20. Any effort to allocate production in a pooling order under Cimarex's plan would violate the express statutory requirement to allocate production on an acreage basis and would

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impair owners' correlative rights. This is especially true for owners who own a greater working interest share in the Wolfcamp, such as Read & Stevens (Permian), MRC Permian, Northern Oil & Gas, First Century (Permian), CBR Oil, Marks Oil, Wilbanks, and the Cimarex entity itself or

owners who own no interest in the Bone Spring at all, such as CLM Production and Warren

Associates.

21. **Read & Stevens Exhibit C-9** is a similar series of slides breaking down the ownership interests in the Bane units (Case Nos. 23508-23515). As with the corresponding Joker unit exhibit, the first slide provides an overview of the ownership share of each working interest in the Bane spacing units on a spacing unit basis. At the top are the ownership breakdowns for the Bane units in the Bone Spring formation for each case. The ownership breakdown for the Bane units in the Wolfcamp is at the bottom. Ownership interests that differ between the Bone Spring and Wolfcamp formations are indicated in **bold**. Of particular interest, Javelina Partners and William A. Hudson II own a greater share of the working interest in the Bone Spring formation than in the Wolfcamp formation in this acreage. William A. Hudson II has no interest in the Wolfcamp formation. Whereas HOG Partnership LP has a greater working interest share in the

22. Cimarex's competing Wolfcamp cases suffer the same fatal problem as its Bone Spring cases, but in these cases it has not proposed <u>any</u> initial wells to be completed in the Wolfcamp; instead, it proposes to initially develop the Wolfcamp formation only with Bone Spring wells. Allocation of production in a pooling order under Cimarex's plan would violate the express statutory requirement to allocate production within a spacing unit on an acreage basis and would impair owners' correlative rights.

Wolfcamp than it does in the Bone Spring. The second slide in the exhibit is an ownership

breakdown for each spacing unit on tract basis.

WELL PROPOSALS, AFES & GOOD FAITH NEGOTIATIONS

- AFEs for each well sent to owners with a working interest grouped by case. The costs reflected in the AFEs are consistent with what Permian and other operators have incurred for drilling similar horizontal wells in the area.
- 24. Read & Stevens requests that the overhead and administrative costs for drilling and producing the proposed wells be set at \$8,000 per month while drilling and \$800 per month while producing and that they be adjusted annually in accordance with COPAS accounting procedures. These costs are consistent with what other operators are charging in this area for similar wells.
- 25. Read & Stevens does not intend pooled working interest owners to have to pay their proportionate share for wells that will not be drilled in the immediate near term. Accordingly, we request that the language of the standard pooling order governing submission of estimated well costs and well elections be modified to read as follows:

Operator shall submit No later than thirty (30) days after Operator submits the Estimated Well Costs no sooner than 60 days before the commencement of the drilling of each initial well, and the owner of a Pooled Working Interest shall have 30 days upon receipt of the Estimated Well Costs to elect whether to pay its share of the Estimated Well Costs or its share of the actual costs to drill, complete and equip the well ("Actual Well Costs") out of production from the well. An owner of a Pooled Working Interest who elects to pay its share of the Estimated Well Costs shall render payment to Operator no later than thirty (30) days after receipt of the Estimated Well Costs, and shall be liable for operating costs, but not risk charges for the well. An owner of a Pooled Working Interest who fails to pay its share of the Estimated Well Costs or who elects to pay its share of the Actual Well Costs out of production from the well shall be considered to be a "Non-Consenting Pooled Working Interest."

26. **Read & Stevens Exhibit C-11** contains a general summary of the communications to reach voluntary agreement with uncommitted working interest owners. As indicated in the

exhibit, Read & Stevens has made a good faith effort to locate and reach voluntary agreement with the working interests to be pooled in these cases, including Cimarex and its related entities. There are no unlocatable parties. In my opinion, Read & Stevens has undertaken good faith efforts to reach agreement with uncommitted working interest owners.

- 27. Read & Stevens has provided the law firm of Holland & Hart LLP with the names and addresses of the parties that Read & Stevens seeks to pool and instructed that they be notified of this hearing. Read & Stevens has conducted a diligent search of all public records in the county where the properties are located, reviewed telephone directories, and conducted computer searches to locate contact information for each interest owner.
- Also included in **Read & Stevens Exhibit C-12** are support letters from various working interest owners subject to these competing pooling cases, including Ard Oil, ¹ Diamond Star, ² Tierra Encantada, ³ as well as CLM Production, ⁴ CBR Oil Properties, ⁵ and Warren Associates. ⁶ Neither CLM Production nor Warren Associates own an interest in the Bone Spring Formation and would be incurably damaged if Cimarex's plans were approved. Additionally, Northern Oil & Gas ⁷ has indicated strong concern over Cimarex's plan to disregard the Wolfcamp A and favors Read & Stevens/Permian's co-development plan between the Third Bone Spring and Wolfcamp A formations. CBR Oil Properties and Northern Oil & Gas do not own an interest in the Bone Spring in the E/2 of Sections 5 and 8 where they do own in the Wolfcamp and, therefore,

¹ Ard Oil's support letter is applicable to all cases, i.e., Case Nos. 23508-23523.

² Diamond Star's support letter is 23516 and 23520 (W/2 W/2 Joker in Bone Spring and Wolfcamp).

³ Tierra Encantada's support letter is 23516 and 23520 (W/2 W/2 Joker in Bone Spring and Wolfcamp).

⁴ CLM Production's support letter is applicable to Case No. 23520 only (W/2 W/2 Joker Wolfcamp).

⁵ CBR Oil Properties' support letter is applicable to Case Nos. 23517 (E/2W/2 Joker Bone Spring) and 23521(E/2 W/2 Joker Wolfcamp), 23522 (W/2 E/2 Joker Wolfcamp) and 23533 (E/2 E/2 Joker Wolfcamp).

⁶ Warren Associate's support letter is applicable to Case No. 23520 only (W/2 W/2 Joker Wolfcamp).

⁷ Northern Oil & Gas' support of a co-development plan is applicable to Case Nos. 23517, 23520-23523 (being the E/2 W/2 Joker in Bone Spring and Wolfcamp, and W/2 E/2, E/2 E/2 in the Wolfcamp).

would be incurably damaged if Cimarex's plans were approved as to that acreage. Further, 16 separate overriding royalty interest owners, who have been notified of the competing proposals, have expressed their support for Read & Stevens' proposals, attached as **Read & Stevens Exhibit**C-13. These overriding royalty interest owners own an interest in each of the competing cases, i.e.,

Case Nos. 23508-23523.

READ & STEVENS' COMPREHENSIVE PLANS

- 29. **Read & Stevens Exhibit C-14** includes a map providing an overview of Read & Stevens' comprehensive development plans within Township 20 South, Range 34 East, NMPM, Lea County, New Mexico. Sections 5 and 8, where the Joker spacing units are located, and Section 4 and 9, where the Bane units are located, are outlined in green. Immediately to the east are Read & Stevens' Riddler Bone Spring and Wolfcamp spacing units in Sections 3 and 10, which are outlined in blue recently approved under Order Nos. R-22748 and R-22754. To the south, in Sections 18 and 19 and Sections 17 and 20, are Read & Stevens' Batman and Robin developments, which are also outlined in blue, that were approved under Order Nos. R-22277, R-22284, R-22319, and R-22326, respectively.
- 30. As shown on the exhibit, Read & Stevens/Permian has an extensive position and comprehensive development plans for the area that will minimize surface disturbance by consolidating roads, flowlines, pads, and tank batteries. Similarly, to the offset Batman and Robin developments, Read & Stevens/Permian plans to commingle all production from its Joker and Bane units into the same battery, reducing surface impacts and minimizing waste by eliminating emissions by having fewer surface facilities and potential emission sources.
- 31. As noted on the exhibit, Read & Stevens/Permian has been the most active operator in this area over the last 36 months, drilling 4 Bone Spring wells and 1 Wolfcamp well in that time,

with plans to spud at least an additional 8 wells in the Bone Spring & Wolfcamp formations by the end of 2023. In comparison, Cimarex has drilled a single one-mile well in Township 20 South, Range 34 East, and two, two-mile wells in the adjacent Township to the north in the same timeframe.

32. A review of Division records confirms that offsetting Bone Spring and Wolfcamp developments have been pooled and developed through separately dedicated wells in conformance with the Division's pool designations, as Read & Stevens proposes. Read & Stevens has not identified any precedent for Cimarex's attempt to pool the Wolfcamp spacing units without Wolfcamp well proposals or dedicating initial wells to the proposed spacing units, including from Cimarex's own limited offsetting production.

CONCLUSION

- 33. **Read & Stevens Exhibits C-1 through C-14** were either prepared by me or compiled under my direction and supervision.
- 34. I affirm under penalty of perjury under the laws of the State of New Mexico that the foregoing statements are true and correct. I understand that this self-affirmed statement will be used as written testimony in these cases. This statement is made on the date next to my signature below.

m

7/13/2023

Travis Macha

Date

BEFORE THE OIL CONSERVATION DIVISION ORE THE OIL CONSERVATION IS Santa Fe, New Mexico Exhibit No. C-1 Submitted by: Read & Stevens, Hearing Date: July 20, 2023 Case No. 23508

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District I 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720

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District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505

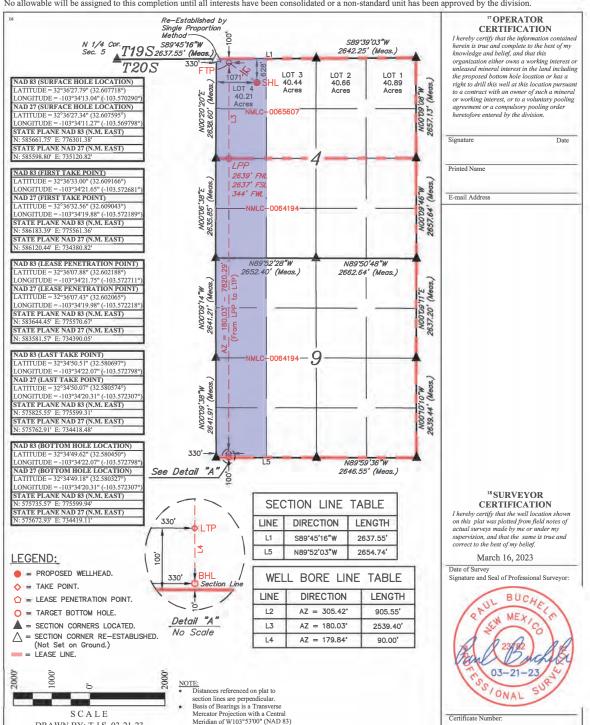
AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT ¹API Number 30-025-PENDING TEAS; BONE SPRING, EAST 4 Property Code Well Number Property Name BANE 4-9 FED COM 111H OGRID No. 372165 Elevation PERMIAN RESOURCES OPERATING, LLC 3645.9

UL or lot no.	Section 4	Township 20S	Range 34E	Lot Idn	Feet from the 628	North/South line NORTH	Feet from the 1071	East/West line WEST	County LEA
¹¹ Bottom Hole Location If Different From Surface									
UL or lot no. M	Section 9	Township 20S	Range 34E	Lot Idn	Feet from the 10	North/South line SOUTH	Feet from the 330	East/West line WEST	County LEA
12 Dedicated Acre 320.21	es 13 J	oint or Infill	14 Conso	lidation Code	15 Order No.				

¹⁰ Surface Location

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



District I 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 District II 811 S. First St., Artesia, NM 88210 Phone: (575) 748-1285 Fax: (575) 748-9720 District III 1000 Rio Brazos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170

District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462 State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

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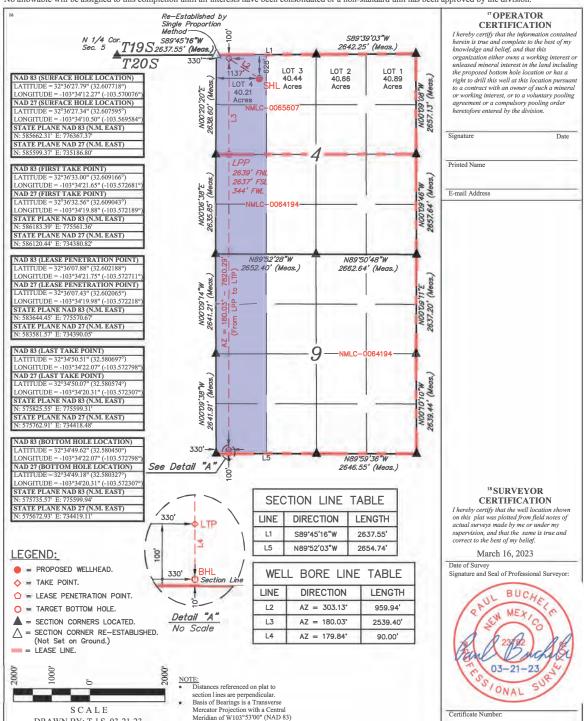
WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-PENDING		² Pool Code 96637	³ Pool Name TEAS; BONE SPRING, EA	AST				
⁴ Property Code		⁵ Property Name BANE 4-9 FED COM						
⁷ OGRID No. 372165		⁸ Operator Name PERMIAN RESOURCES OPERATING, LLC						

¹⁰ Surface Location										
UL or lot no.	Section 4	Township 20S	Range 34E	Lot Idn	Feet from the 628	North/South line NORTH	Feet from the 1137	East/West line WEST	County LEA	
"Bottom Hole Location If Different From Surface									-	

Lot Idn Feet from the East/West line Township M 208 34E 10 SOUTH 330 WEST LEA 12 Dedicated Acres 3 Joint or Infill ¹⁴ Consolidation Code 15 Order No. 320.21

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



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Phone: (505) 476-3460 Fax: (505) 476-3462

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WELL LOCATION AND ACREAGE DEDICATION PLAT

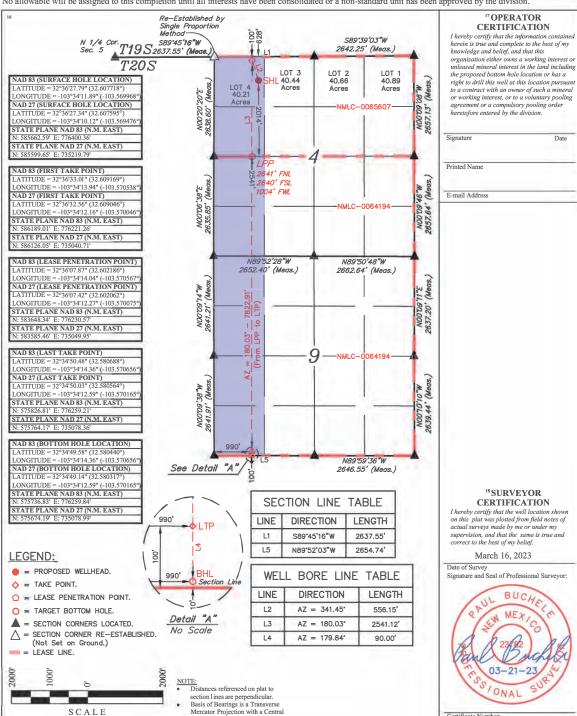
¹ API Number 30-025-PENDING		² Pool Code 96637	³ Pool Name TEAS; BONE SPRING, EA	AST			
⁴ Property Code			Property Name 6 Well Number E 4-9 FED COM 122H				
⁷ OGRID No. 372165		*Operator Name PERMIAN RESOURCES OPERATING, LLC					

10 Surface Location									
UL or lot no.	Section 4	Township 20S	Range 34E	Lot Idn	Feet from the 628	North/South line NORTH	Feet from the 1170	East/West line WEST	County LEA
D. H. H. L. J. ICD. C. C.									

Bottom Hole Location If Different From Surface

UL or lot no.	Section 9	Township 20S	Range 34E	Lot Idn	Feet from the 10	North/South line SOUTH	Feet from the 990	East/West line WEST	County LEA
12 Dedicated Acre	es 13	Joint or Infill	14 Conse	olidation Code	15 Order No.				

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



Mercator Projection with a Central Meridian of W103°53'00" (NAD 83)

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Date

WELL LOCATION AND ACREAGE DEDICATION PLAT

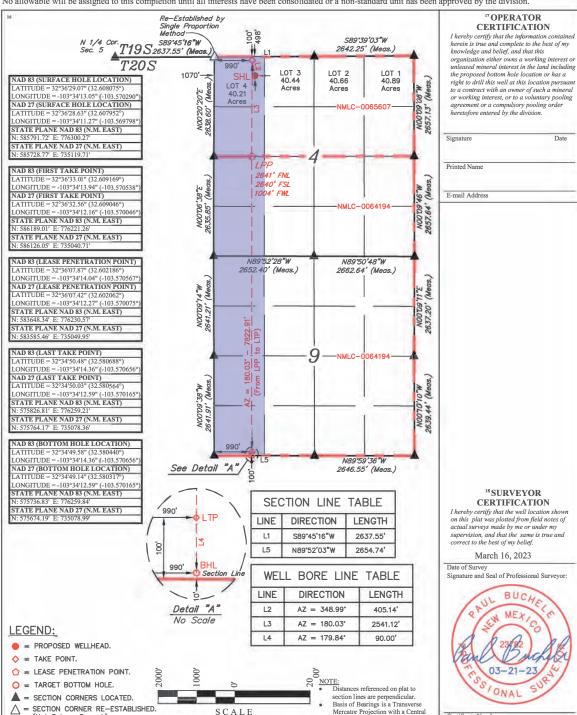
¹ API Numbe 30-025-PENI	² Pool Code 96637	³ Pool Name TEAS; BONE SPRING, EA	AST	
4 Property Code		Property Name 6 Well Nun E 4-9 FED COM 171F		
⁷ OGRID №. 372165		perator Name URCES OPERATING, LLC	⁹ Elevation 3646.1'	

d	4	4	20S	34E		498	NORTH	1070	WEST	LEA
				11	Rottom H	ole Location I	f Different From	Surface		

¹⁰ Surface Location

Lot Idn East/West line Feet from the Township County M 20S 34E 10 SOUTH 990 WEST LEA 12 Dedicated Acres ¹³ Joint or Infill ¹⁴ Consolidation Code 15 Order No. 320.21

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



SCALE

DRAWN BY: T.J.S. 03-21-23

Mercator Projection with a Central Meridian of W103°53'00" (NAD 83)

Certificate Number

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<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720

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WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Numbe 30-025-PEND	² Pool Code 96637	³ Pool Name TEAS; BONE SPRING, 1	EAST	
4 Property Code		Property Name 6 Well Num E 4-9 FED COM 131H		
⁷ OGRID No. 372165		perator Name URCES OPERATING, LLC	⁹ Elevation 3646.2'	

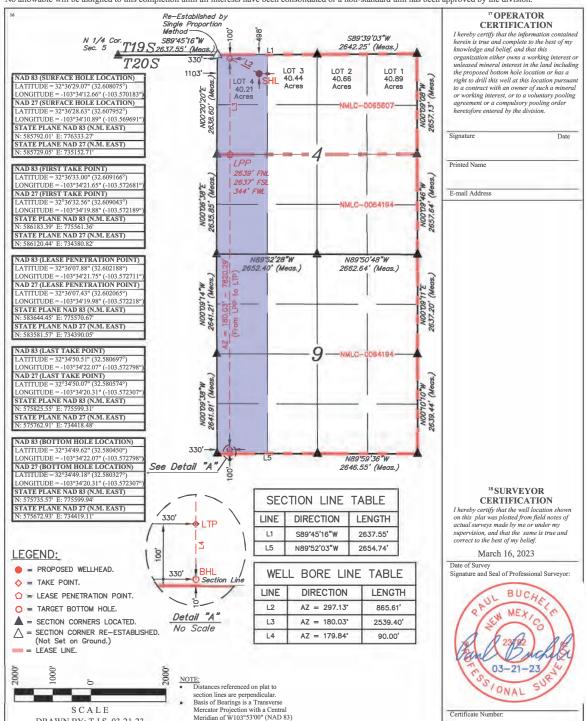
¹⁰ Surface Location

4 4 20S 34E 498 NORTH 1103 WEST LEA	UL or lot no.	Section 4	Township 20S	Range 34E	Lot Idn	Feet from the 498	North/South line NORTH	Feet from the 1103	East/West line WEST	County LEA
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"Bottom Hole Location If Different From Surface

UL or lot no.	Section 9	n	Township 20S	Range 34E	Lot Idn	F	eet from the 10	North/South line SOUTH	Feet from the 330	East/West line WEST	County LEA	
12 Dedicated Acre 320.21	es	¹³ Jo	int or Infill	14 Conso	lidation Code		15 Order No.					

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



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Phone: (575) 748-1283 Fax: (575) 748-9720 Phone: (3/3) 746-1283 Fax: (3/3) 746-9/20 District III 1000 Rio Brazos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170 District III

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811 S. First St., Artesia, NM 88210

BEFORE THE OIL CONSERVATION DIVISION Santa Fe, New Mexico Exhibit No. C-1 Submitted by: Read & Stevens, Inc. Hearing Date: July 20, 2023 Case No. 23509

Certificate Number

State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505

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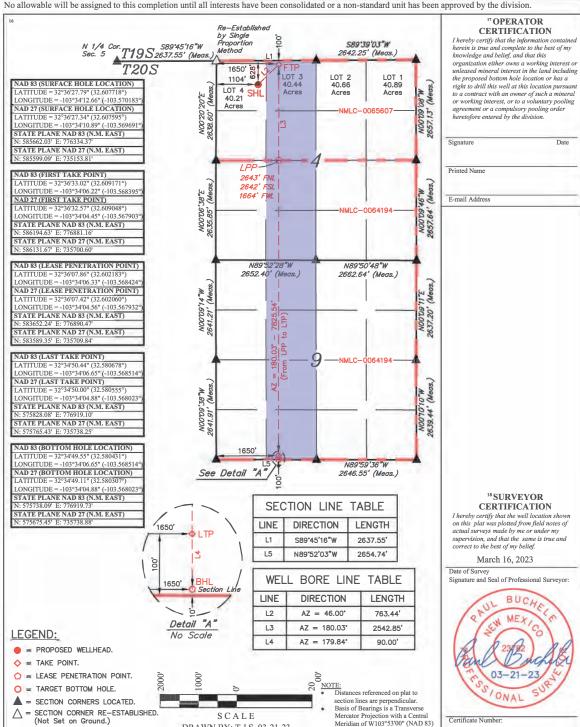
WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Numb 30-025-PEN		² Pool Code 96637	³ Pool Name TEAS; BONE SPRING, EA	, EAST			
4 Property Code			⁵ Property Name BANE 4-9 FED COM				
⁷ OGRID No. 372165		erator Name RCES OPERATING, LLC	⁹ Elevation 3645.8'				

¹⁰ Surface Location East/West line UL or lot no Section Township Feet from the County 628 NORTH 20S 34E 1104 WEST LEA "Bottom Hole Location If Different From Surface

Lot Idn East/West line Feet from the Township County North/South lin SOUTH N 208 34F 10 1650 WEST LEA 12 Dedicated Acres 3 Joint or Infill ¹⁴ Consolidation Code 15 Order No. 320.44

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



DRAWN BY: T.J.S. 03-21-23

(Not Set on Ground.)

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Phone: (505) 476-3460 Fax: (505) 476-3462

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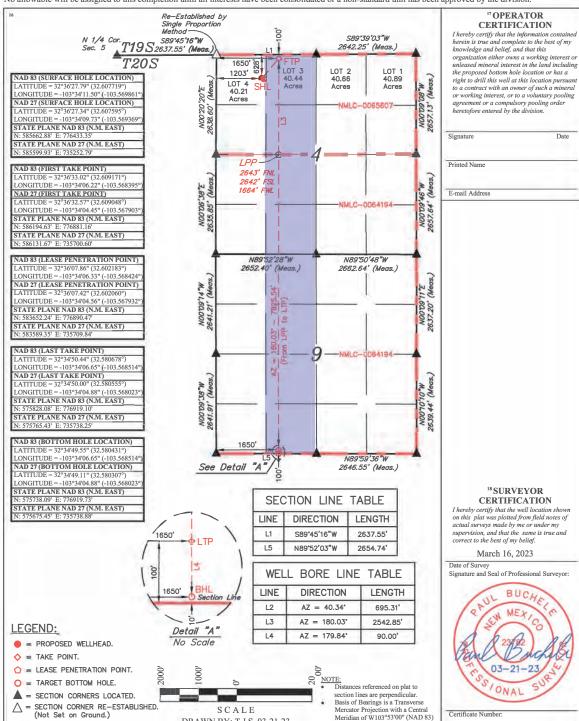
WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Numbe 30-025-PENI	² Pool Code 96637	³ Pool Name TEAS; BONE SPRING, EA	AST	
4 Property Code		Property Name 6 Well Numl E 4-9 FED COM 123H		
⁷ OGRID No. 372165		perator Name JRCES OPERATING, LLC	⁹ Elevation 3646.0'	

					10 Surface	Location			
UL or lot no.	Section 4	Township 20S	Range 34E	Lot Idn	Feet from the 628	North/South line NORTH	Feet from the 1203	East/West line WEST	County LEA
			11	Bottom H	ole Location I	f Different From	Surface		

-						BOHOHH II		DOGMINI I	Billerene I I com	Durrage		
	UL or lot no. N	Sect 9	ion)	Township 20S	Range 34E	Lot Idn	F	Teet from the	North/South line SOUTH	Feet from the 1650	East/West line WEST	County LEA
	12 Dedicated Acre 320.44	es	¹³ Jo	oint or Infill	14 Conse	olidation Code		15 Order No.				

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



DRAWN BY: T.J.S. 03-21-23

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720

Phone: (505) 476-3460 Fax: (505) 476-3462

UL or lot no. | Section | Township | Range | Lot Idn

Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION Phone: (3/3) /46-1283 Fax: (3/3) /46-9/20 District III 1000 Rio Brazos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170 1220 South St. Francis Dr. Santa Fe, NM 87505 <u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505

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WELL LOCATION AND ACREAGE DEDICATION PLAT

State of New Mexico

¹ API Numbe 30-025-PENI	² Pool Code 96637	³ Pool Name TEAS; BONE SPRING, EA	AST	
4 Property Code		Property Name 6 Well Num E 4-9 FED COM 124H		
⁷ OGRID №. 372165		perator Name RCES OPERATING, LLC	9 Elevation 3649.2'	

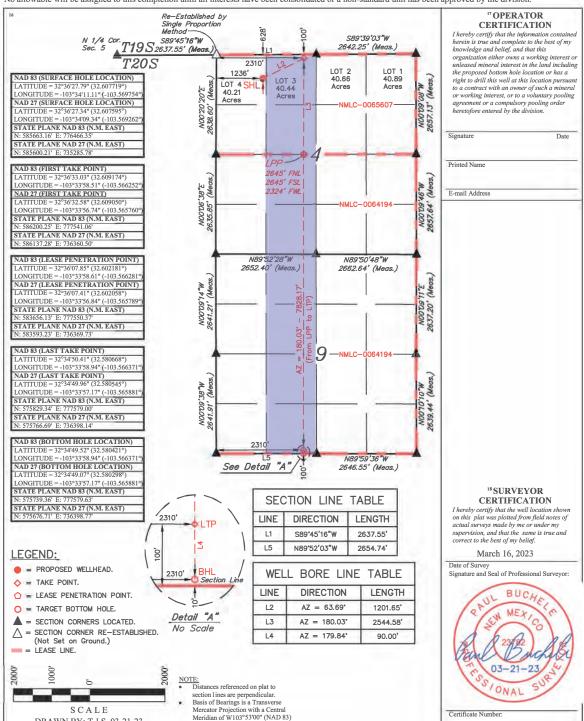
4	4	20S	34E		628	NORTH	1236	WEST	LEA
			11	Rottom H	ole Location I	f Different From	Surface		

¹⁰ Surface Location

Feet from the

UL or lot no. Lot Idn East/West line Feet from the Township County N 20S 34E 10 SOUTH 2310 WEST LEA 12 Dedicated Acres 3 Joint or Infill ¹⁴ Consolidation Code 15 Order No. 320.44

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



UL or lot no.

N

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12 Dedicated Acres

320.44

District I 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720

Phone: (505) 476-3460 Fax: (505) 476-3462

UL or lot no. | Section | Township | Range | Lot Idn

State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION Phone: (3/3) /46-1283 Fax. (3/3) /46-9/20 District III 1000 Rio Brazos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170 1220 South St. Francis Dr. Santa Fe, NM 87505 <u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505

Form C-102 Revised August 1, 2011 Submit one copy to appropriate District Office

☐ AMENDED REPORT

County

LEA

Certificate Number

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Numbe 30-025-PENI	² Pool Code 96637	³ Pool Name TEAS; BONE SPRING, EA	AST	
4 Property Code		Property Name 6 Well Numl E 4-9 FED COM 172H		
⁷ OGRID No. 372165		perator Name URCES OPERATING, LLC	⁹ Elevation 3646.6'	

d	4	4	20S	34E		498	NORTH	1235	WEST	LEA	
	"Bottom Hole Location If Different From Surface										

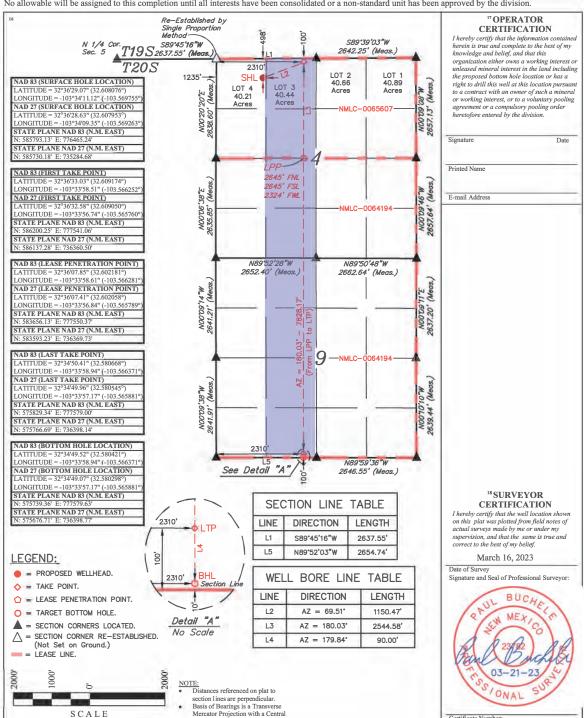
¹⁰ Surface Location

Feet from the

Lot Idn Feet from the East/West line Township 20S 34E 10 SOUTH 2310 WEST 3 Joint or Infill ¹⁴ Consolidation Code 15 Order No.

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

Feet from the



Mercator Projection with a Central Meridian of W103°53'00" (NAD 83)

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720

Phone: (3/3) 746-1283 Fax: (3/3) 746-9/20 District III 1000 Rio Brazos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170 District III

<u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462

UL or lot no. | Section | Township | Range | Lot Idn

State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505

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Date

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-PENDING		² Pool Code 96637	³ Pool Name TEAS; BONE SPRING, EA	IST
4 Property Code		⁶ Well Number 132H		
⁷ OGRID No. 372165			perator Name RCES OPERATING, LLC	⁹ Elevation 3646.0'

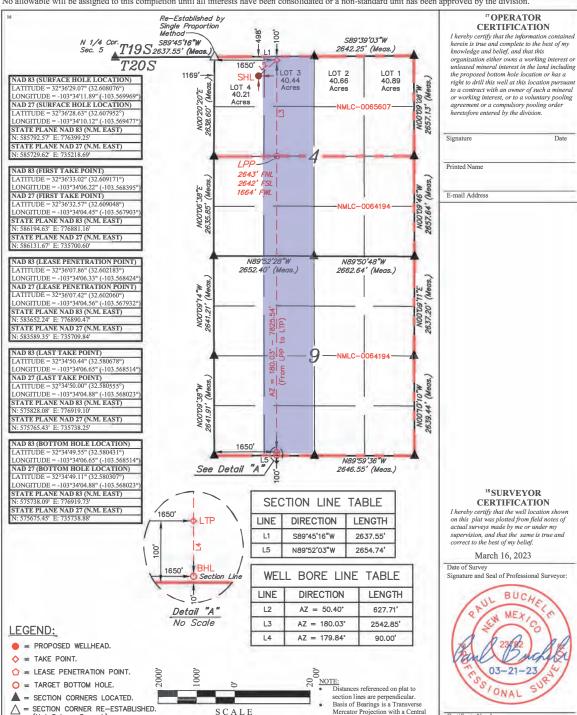
d	4	4	20S	34E		498	NORTH	1169	WEST	LEA	
	Bottom Hole Location If Different From Surface										

¹⁰ Surface Location

Feet from the

Bottom Hole Location If Different From Surface Lot Idn East/West line Feet from the Township County N 208 34E 10 SOUTH 1650 WEST LEA 12 Dedicated Acres 3 Joint or Infill ¹⁴ Consolidation Code 15 Order No. 320.44

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



SCALE

DRAWN BY: T.J.S. 03-21-23

Mercator Projection with a Central Meridian of W103°53'00" (NAD 83)

Certificate Number

(Not Set on Ground.)

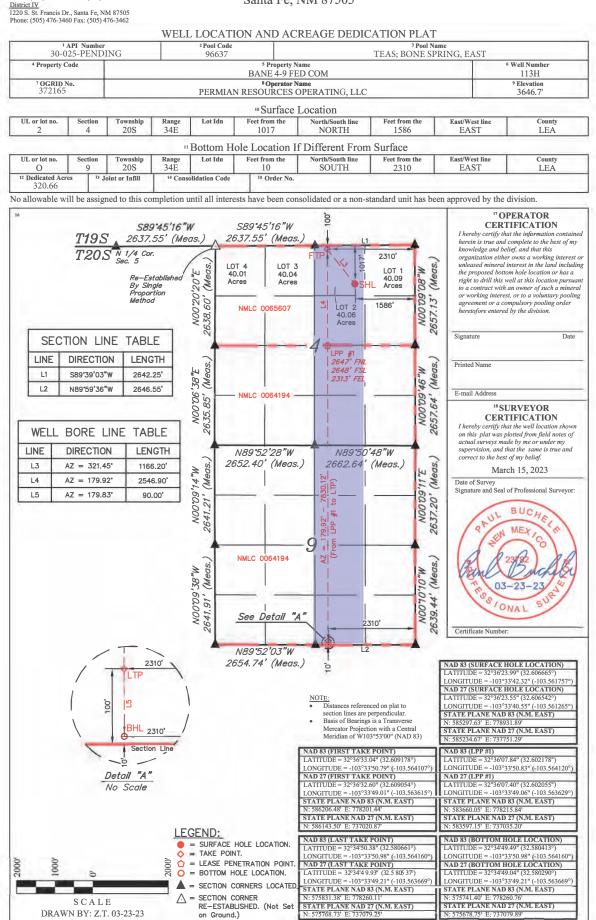
BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Exhibit No. C-1 Submitted by: Read & Stevens, Inc. Hearing Date: July 20, 2023 Case No. 23510

State of New Mexico OIL CONSERVATION DIVISION 1220 South St. Francis Dr.

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<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 Energy, Minerals & Natural Resources Department 811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720 Phone: (3/3) /46-1283 Fax. (3/3) /46-9/20 District III 1000 Rio Brazos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170 Santa Fe, NM 87505



= LEASE LINE.

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District I 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 District II 811 S. First St., Artesia, NM 88210 Phone: (575) 748-1285 Fax: (575) 748-9720 District III 1000 Rio Brazos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170

District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462 State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

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WELL LOCATION AND ACREAGE DEDICATION PLAT

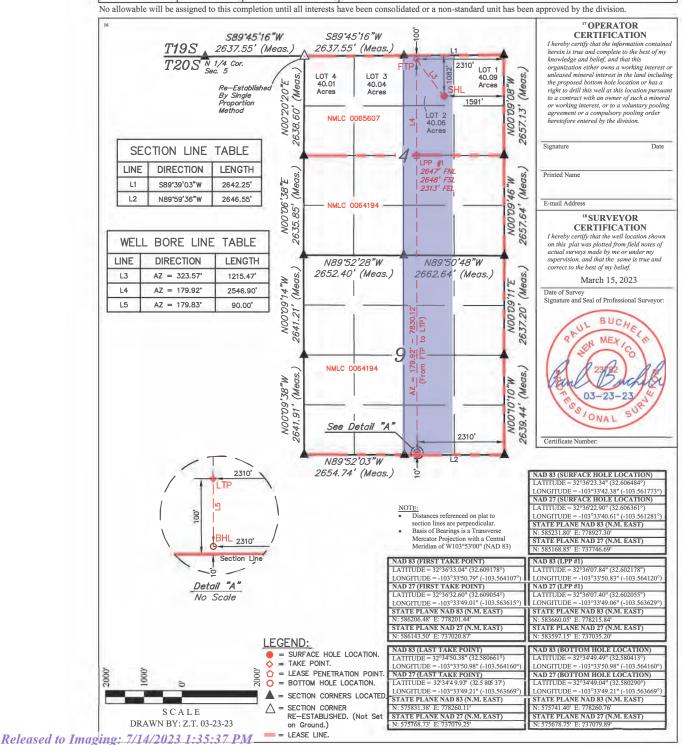
¹ API Numb 30-025-PEND	² Pool Code 96637	NG, EAST	
⁴ Property Code	⁵ Pr BANE	⁶ Well Number 125H	
⁷ OGRID No. 372165		perator Name RCES OPERATING, LLC	9 Elevation 3646.7'

5						10 Surface	Location			
	UL or lot no.	Section 4	Township 20S	Range 34E	Lot Idn	Feet from the 1082	North/South line NORTH	Feet from the 1591	East/West line EAST	County LEA
-										

"Bottom Hole Location If Different From Surface

UL or lot no. O Section 9 20S 34E Lot Idn 10 SOUTH 2310 EAST LEA

Dedicated Acres 320.66 13 Joint or Infill 14 Consolidation Code 15 Order No.



District I 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 District II 811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720

1000 Rio Brazos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170

District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505

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AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

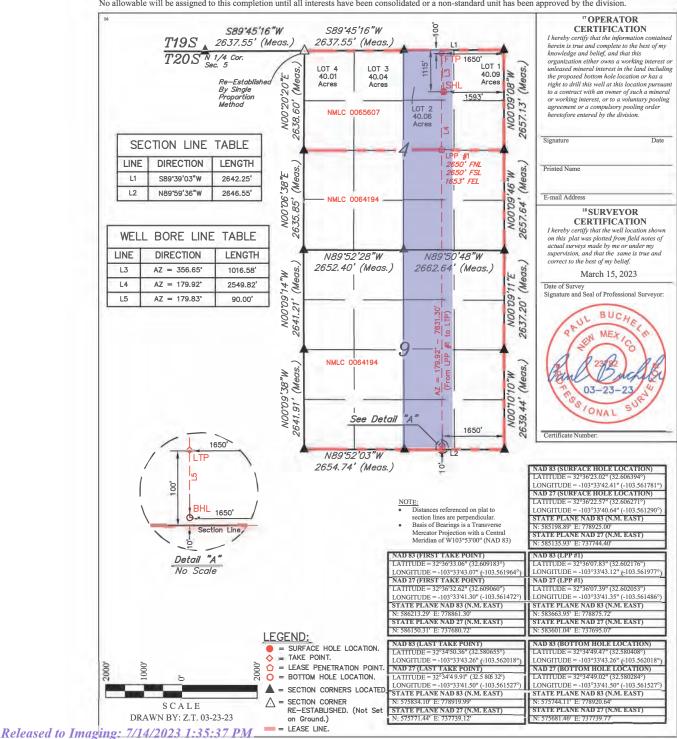
API Number 30-025-PEND	² Pool Code 96637	³ Pool Name TEAS; BONE SPRING, EAST			
⁴ Property Code		Property Name 6 Well Numb E 4-9 FED COM 126H			
⁷ OGRID No. 372165		Operator Name IRCES OPERATING, LLC	9 Elevation 3646.5'		

¹⁰ Surface Location

2 1 200 5 E THE TOTAL LEET		UL or lot no.	Section 4	Township 20S	Range 34E	Lot Idn	Feet from the 1115	North/South line NORTH	Feet from the 1593	East/West line EAST	County LEA
----------------------------	--	---------------	--------------	-----------------	--------------	---------	-----------------------	---------------------------	-----------------------	------------------------	---------------

"Bottom Hole Location If Different From Surface

UL or lot no.	Section 9	Township 20S	Range 34E	Lot Idn	F	eet from the 10	North/South line SOUTH	Feet from the 1650	East/West line EAST	County LEA
12 Dedicated Acre 320.89	es 13 J	oint or Infill	14 Conse	lidation Code		15 Order No.				



District I 1623 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 District II 811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720 District III 1000 Rio Brazos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170

District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462 State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

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AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Numb 30-025-PE		² Pool Code 96637	NG, EAST	
⁴ Property Code			Property Name IE 4-9 FED COM	⁶ Well Number 173H
⁷ OGRID No. 372165		9 Elevation 3646.6'		

"Bottom Hole Location If Different From Surface

"Surface Location

"Surface Location

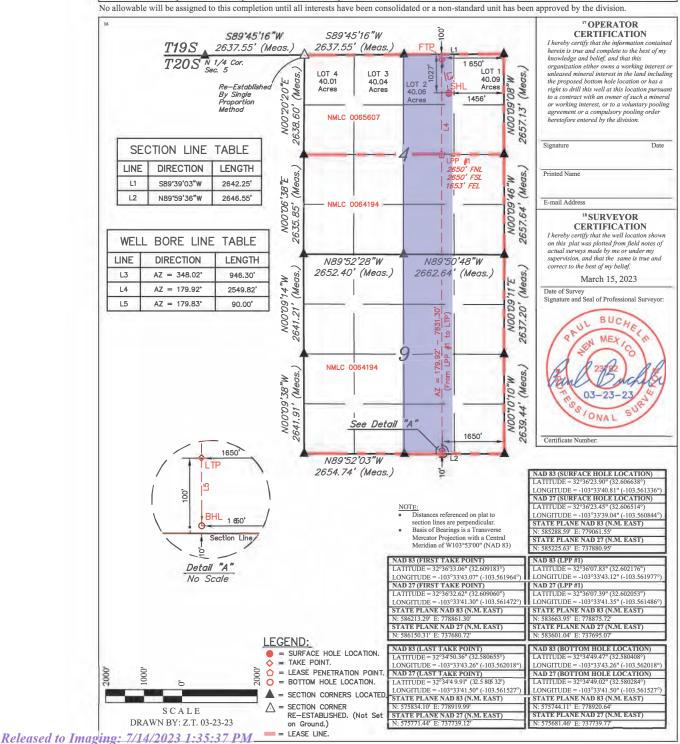
"Surface Location

"Surface Location

"North/South line NORTH 1456 East/West line EAST LEA"

"Bottom Hole Location If Different From Surface

Lot Idn Feet from the County Township 20S Range 34E SOUTH 0 10 1650 **EAST** LEA 12 Dedicated Acres ¹³ Joint or Infill 14 Consolidation Code 15 Order No 320.66



<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720 Phone: (3/3) /46-1283 Fax. (3/3) /46-9/20 District III 1000 Rio Brazos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170

District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505

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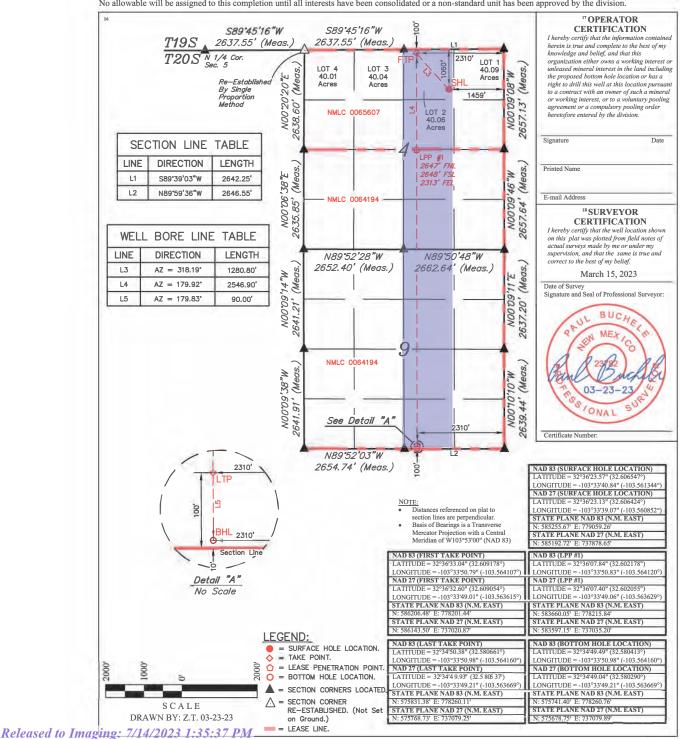
☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Numbe 30- 025-P	² Pool Code 96637	AST	
⁴ Property Code	⁵ Pr BANE	⁶ Well Number 133H	
⁷ OGRID No. 372165		perator Name RCES OPERATING, LLC	⁹ Elevation 3646.4'

UL or lot no. Section Township Range Lot Idn Feet from the North/South line Feet from the East/West line County 2 4 20S 34E 1060 NORTH 1459 EAST LEA	9					10 Surface	Location		
		2	Section 4		Lot Idn				

"Bottom Hole Location If Different From Surface Feet from the North/South lin 0 20S 34E 10 2310 EAST LEA 12 Dedicated Acres 3 Joint or Infill 15 Order No 320.66



BEFORE THE OIL CONSERVATION DIVISION Santa Fe, New Mexico Exhibit No. C-1

Form C-102

Submitted by: Read & Stevens, Inc. Hearing Date: July 20, 2023 Case No. 23511

District Office

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AMENDED REPORT

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 State of New Mexico Energy, Minerals & Natural Resources Department 811 S. First St., Artesia, NM 88210 OIL CONSERVATION DIVISION Phone: (575) 748-1283 Fax: (575) 748-9720 1220 South St. Francis Dr.

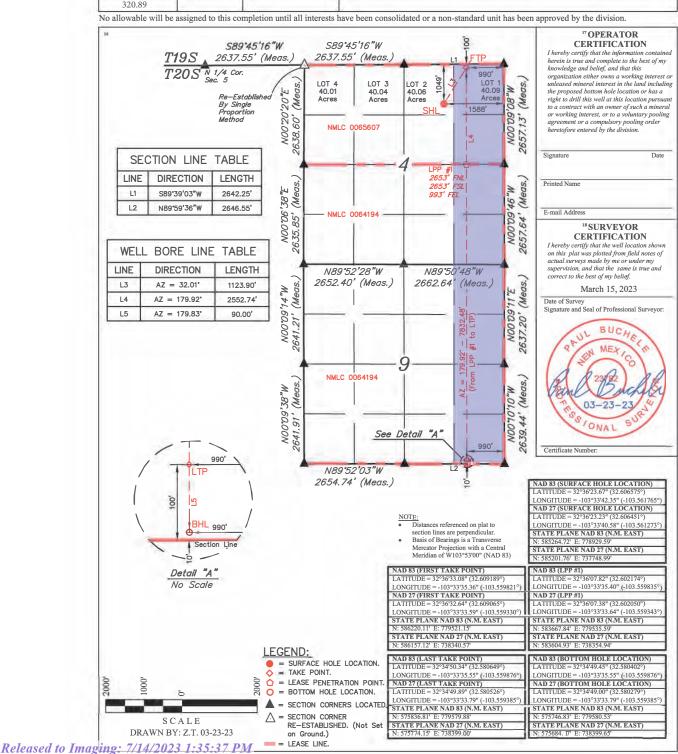
Phone: (3/3) /46-1283 Fax. (3/3) /46-9/20 District III 1000 Rio Brazos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462

Santa Fe, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT ¹ API Number 30-025-PENDING TEAS; BONE SPRING, EAST 4 Property Code Property Name BANE 4-9 FED COM 114H OGRID No. 372165 Elevation PERMIAN RESOURCES OPERATING, LLC

UL or lot no.	Section 4	20S	Range 34E	Lot Idn	1049	North/South line NORTH	1588	East/West line EAST	LEA
			11	Bottom H	ole Location I	f Different From	Surface		
UL or lot no. P	Section 9	Township 20S	Range 34E	Lot Idn	Feet from the 10	North/South line SOUTH	Feet from the 990	East/West line EAST	County LEA
12 Dedicated Acr	es 13 J	oint or Infill	14 Conso	lidation Code	15 Order No.				

¹⁰ Surface Location



<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720 Phone: (3/3) 746-1283 Fax. (3/3) 746-9/20 District III 1000 Rio Brazos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170 District III

District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462

20S

34E

State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505

Form C-102 Revised August 1, 2011 Submit one copy to appropriate District Office

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LEA

East/West line

Feet from the

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Numbe 30-025-PENDI	² Pool Code 96637	AST			
4 Property Code		⁵ Property Name BANE 4-9 FED COM			
⁷ OGRID No. 372165		perator Name RCES OPERATING, LLC	9 Elevation 3646.0'		

NORTH 11 Bottom Hole Location If Different From Surface

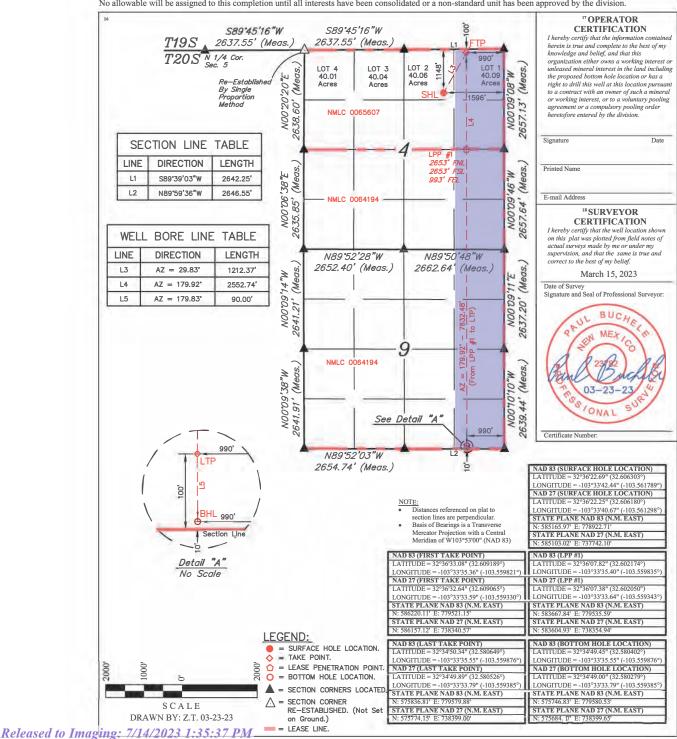
¹⁰ Surface Location

UL or lot no. P	Secti 9	ion	Township 20S	Range 34E	Lot Idn	Feet from the 10	North/South line SOUTH	Feet from the 990	East/West line EAST	County LEA
12 Dedicated Acre 320 89	es	13 Jo	oint or Infill	14 Conso	olidation Code	15 Order No.				

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

Feet from the

1148



<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720 Phone: (3/3) 746-1283 Fax. (3/3) 746-9/20 District III 1000 Rio Brazos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170 District III

District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462

UL or lot no. Section Township Range Lot Idn

State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505

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WELL LOCATION AND ACREAGE DEDICATION PLAT

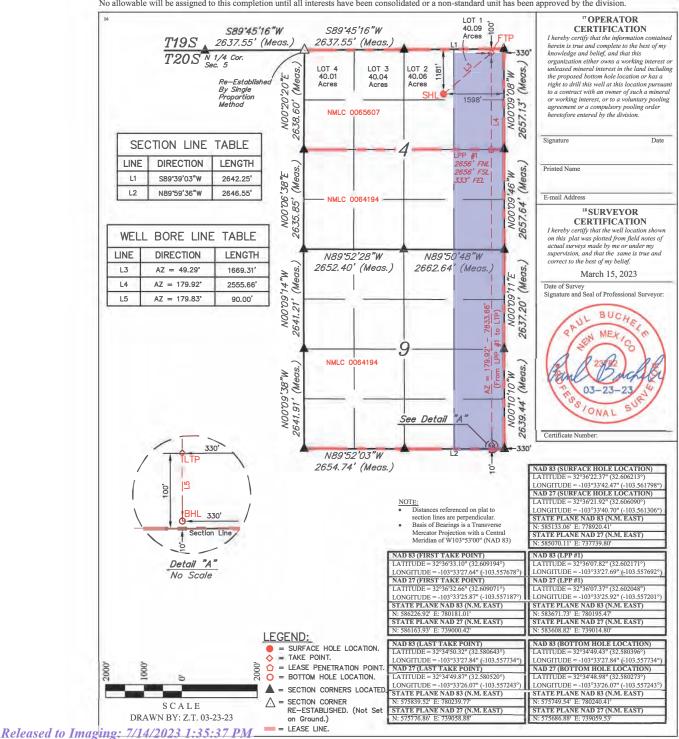
¹ API Numbe 30-025-PEND	² Pool Code 96637	AST	
4 Property Code	⁵ Pr BANE	⁶ Well Number 128H	
⁷ OGRID No. 372165		erator Name RCES OPERATING, LLC	⁹ Elevation 3645.4'

Н	2	4	20S	34E		1181	NORTH	1598	EAST	LEA
							0.701.00	G 0		
				11	Rottom H	ole Location L	f Different From	Surface		

¹⁰ Surface Location

Feet from the

East/West line Township County Range 34E 208 10 SOUTH 330 **EAST** LEA 12 Dedicated Acres 3 Joint or Infill 14 Consolidation Code 15 Order No. 320.89



District I 1622 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 District II 811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720 District III 1000 Rio Brazos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170

District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462 State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

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WELL LOCATION AND ACREAGE DEDICATION PLAT

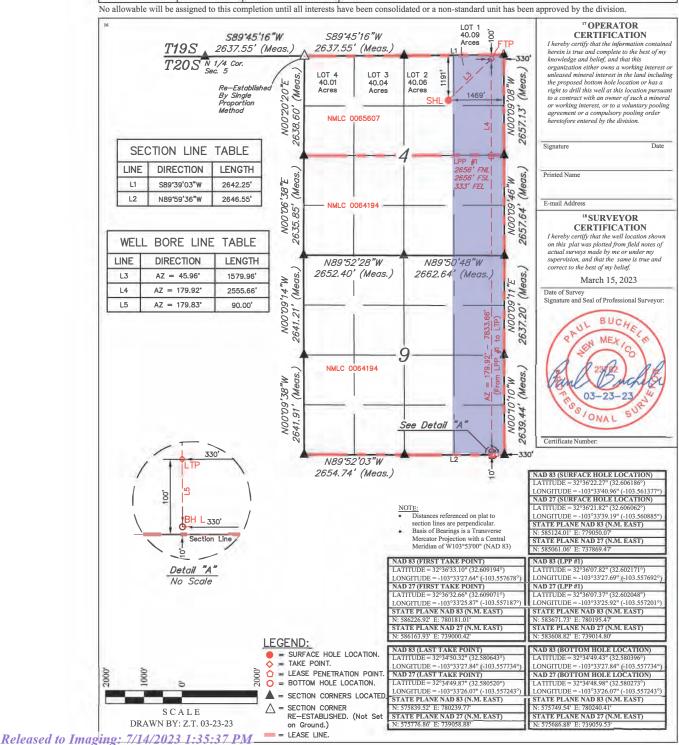
API Number 30-025-PENDING Property Code		² Pool Code 96637	AST 6 Well Number 174H	
		⁵ Pr BANE		
⁷ OGRID No. 372165			perator Name RCES OPERATING, LLC	⁹ Elevation 3645.9'

					10 Surface	Location			
UL or lot no.	Section 4	Township 20S	Range 34E	Lot Idn	Feet from the 1191	North/South line NORTH	Feet from the 1469	East/West line EAST	County LEA
				D - 44 II	-1- T4' T	CD:CC4 E	CC		

"Bottom Hole Location If Different From Surface

UL or lot no. P 9 20S 34E Lot Idn Feet from the P 9 20S 34E 10 SOUTH 330 EAST LEA

12 Dedicated Acres 320.89 13 Joint or Infill 14 Consolidation Code 15 Order No.



District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462 State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

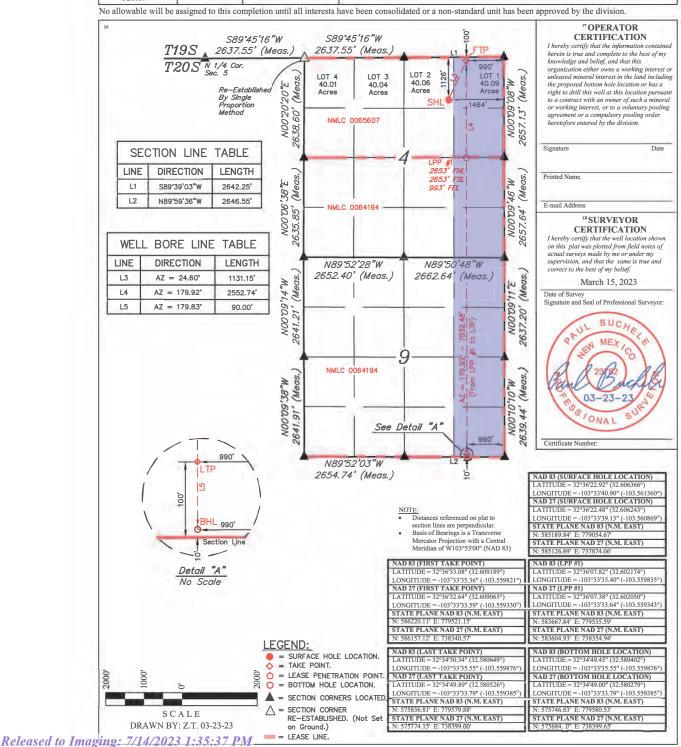
Form C-102 Revised August 1, 2011 Submit one copy to appropriate District Office

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WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Numbe 30-025-PENI	² Pool Code 96637	AST	
⁴ Property Code		roperty Name E 4-9 FED COM	⁶ Well Number 134H
⁷ OGRID No. 372165		perator Name RCES OPERATING, LLC	⁹ Elevation 3645.4'

					10 Surface	Location			
UL or lot no.	Section 4	Township 20S	Range 34E	Lot Idn	Feet from the 1126	North/South line NORTH	Feet from the 1464	East/West line EAST	County LEA



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District I 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720

Phone: (505) 476-3460 Fax: (505) 476-3462

BEFORE THE OIL CONSERVATION DIVISION Santa Fe, New Mexico
Exhibit No. C-1
Submitted by: Read & Stevens,
Hearing Date: July 20, 2023
Case No. 23512

Certificate Number

State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr.

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811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720 Phone: (3/3) 746-1263 Fax: (3/3) 746-9/20 District III 1000 Rio Brazos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170 District III Santa Fe, NM 87505 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Numbe 30-025-PENI	² Pool Code 59500	P	
4 Property Code	⁵ Pr BANE	⁶ Well Number 201H	
⁷ OGRID No. 372165		perator Name URCES OPERATING, LLC	⁹ Elevation 3646.2'

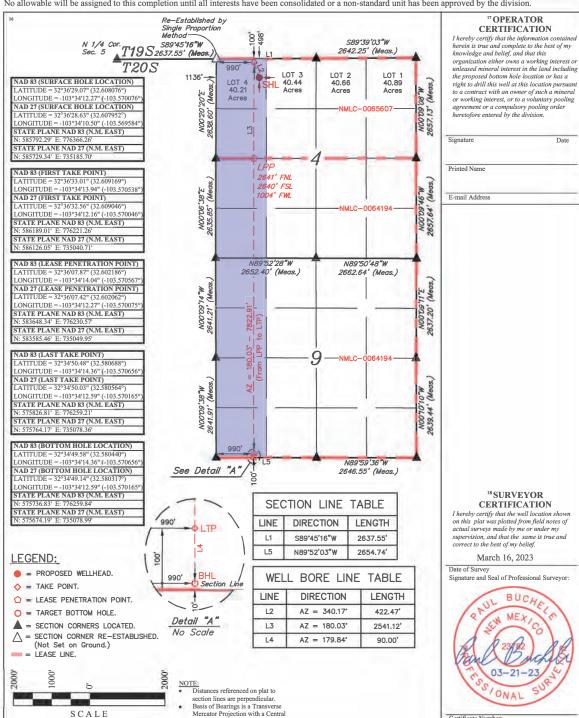
¹⁰ Surface Location

UL or lot no	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
4	4	20S	34E		498	NORTH	1136	WEST	LEA

"Bottom Hole Location If Different From Surface

UL or lot no. M	Section 9	Township 20S	Range 34E	Lot Idn	Feet from the 10	North/South line SOUTH	Feet from the 990	East/West line WEST	County LEA
12 Dedicated Acre 320.21	es 13	Joint or Infill	14 Conso	olidation Code	15 Order No.				

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



Mercator Projection with a Central Meridian of W103°53'00" (NAD 83)

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BEFORE THE OIL CONSERVATION DIVISION Santa Fe, New Mexico Exhibit No. C-1 Submitted by: Read & Stevens, Inc. Hearing Date: July 20, 2023 Case No. 23513

Certificate Number

State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr.

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AMENDED REPORT

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720

Phone: (3/3) 746-1285 Fax. (3/3) 746-3720 District III 1000 Rio Brazos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170 District III District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

Phone: (505) 476-3460 Fax: (505) 476-3462

WELL LOCATION AND ACREAGE DEDICATION PLAT

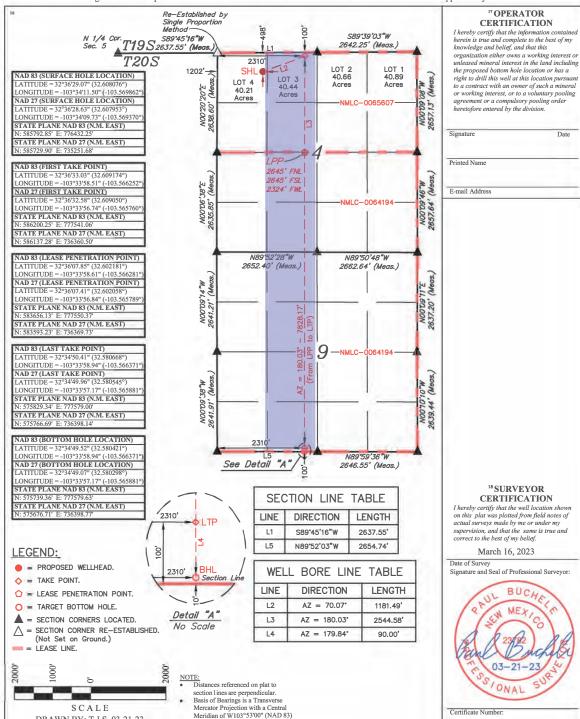
Santa Fe, NM 87505

¹ API Numb 30-025-PEN	² Pool Code 59500	³ Pool Name TONTO; WOLFCAMP		
⁴ Property Code		roperty Name E 4-9 FED COM	⁶ Well Number 202H	
⁷ OGRID No. 372165		perator Name URCES OPERATING, LLC	9 Elevation 3646.3'	

					¹⁰ Surface	Location			
UL or lot no.	Section 4	Township 20S	Range 34E	Lot Idn	Feet from the 498	North/South line NORTH	Feet from the 1202	East/West line WEST	County LEA

"Bottom Hole Location If Different From Surface

UL or lot no. N	Section 9	n	Township 20S	Range 34E	Lot Idn	F	eet from the 10	North/South line SOUTH	Feet from the 2310	East/West line WEST	County LEA
12 Dedicated Acre 320.44	es	13 Join	nt or Infill	14 Conso	lidation Code		15 Order No.				



District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Exhibit No. C-1

Submitted by: Read & Stevens, Inc. Hearing Date: July 20, 2023 Case No. 23514

District Office

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AMENDED REPORT

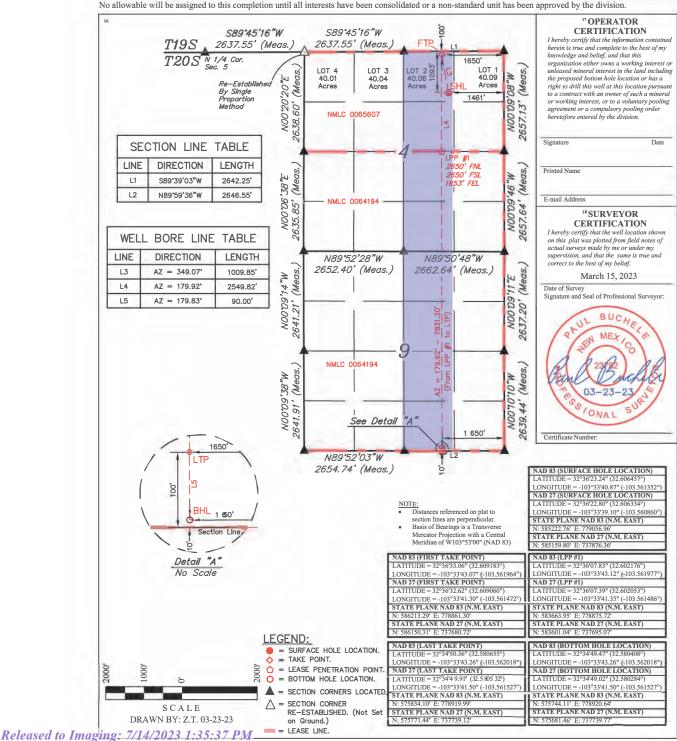
Form C-102

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 State of New Mexico Energy, Minerals & Natural Resources Department 811 S. First St., Artesia, NM 88210 OIL CONSERVATION DIVISION Phone: (575) 748-1283 Fax: (575) 748-9720 Phone: (3/3) 746-1283 Fax. (3/3) 746-9/20 District III 1000 Rio Brazos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170 District III 1220 South St. Francis Dr.

Santa Fe, NM 87505

	API Number 25-PENDI	NG	2 Pool Code 3 Pool Name 59500 TONTO; WOLFCAMP							
4 Property Code						⁶ Well Number 203H				
⁷ OGRID N 372165	0.			PERMIA	⁸ Operator N N RESOURCES (Name OPERATING, LLC			⁹ Elevation 3646.3'	
					10 Surface	Location				
UL or lot no.	Section 4	Township 20S	Range 34E	Lot Idn	Feet from the 1093	North/South line NORTH	Feet from the	East/West line EAST	County LEA	

"Bottom Hole Location If Different From Surface Lot Idn Feet from the Range 34E County rth/South li SOUTH 0 208 10 1650 **EAST** LEA 12 Dedicated Acres 3 Joint or Infill 14 Consolidation Code 15 Order No 320.66



BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Exhibit No. C-1
Submitted by: Read & Stevens, Inc.

Form C-102

Revised August 1, 2011 Submit one copy to appropriate District Office

☐ AMENDED REPORT

Hearing Date: July 20, 2023 Case No. 23515

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 State of New Mexico Energy, Minerals & Natural Resources Department 811 S. First St., Artesia, NM 88210 OIL CONSERVATION DIVISION Phone: (575) 748-1283 Fax: (575) 748-9720

Phone: (3/3) 746-1263 Fax: (3/3) 746-9/20 District III 1000 Rio Brazos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170 District III <u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505

Phone: (505) 476-3460 Fax: (505) 476-3462

WELL LOCATION AND ACREAGE DEDICATION PLAT

1220 South St. Francis Dr.

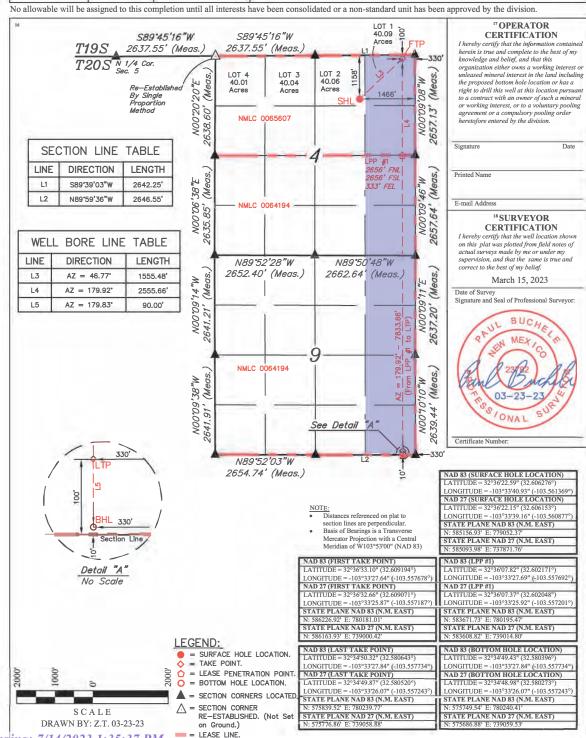
Santa Fe, NM 87505

¹ API Number 30-025-PENDING		² Pool Code 59500	P	
⁴ Property Code			roperty Name E 4-9 FED COM	⁶ Well Number 204H
⁷ OGRID No. 372165			perator Name RCES OPERATING, LLC	⁹ Elevation 3645.8'

¹⁰ Surface Location East/West line UL or lot no Section Township Feet from the Feet from the 20S 34E 1158 NORTH EAST LEA

"Bottom Hole Location If Different From Surface

UL or lot no. P	Section 9	Township 20S	Range 34E	Lot Idn	Feet from the 10	North/South line SOUTH	Feet from the 330	East/West line EAST	County LEA
12 Dedicated Acre 320.89	es 13	Joint or Infill	14 Conso	olidation Code	15 Order No.	÷			



NO0'00'39"W 540.65" (Meas.)

,00

District I 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720

Phone: (575) 748-1283 Fax: (575) 748-9720

811 S. First St., Artesia, NM 88210

BEFORE THE OIL CONSERVATION DIVISION Santa Fe, New Mexico Exhibit No. C-1

Form C-102 District Office

Revised August 1, 2011 Submit one copy to appropriate

AMENDED REPORT

Submitted by: Read & Stevens, Inc.
Hearing Date: July 20, 2023
Case No. 23516

State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505

Phone: (3/3) 746-1283 Fax. (3/3) 746-9/20 District III 1000 Rio Brazos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170 District III <u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462

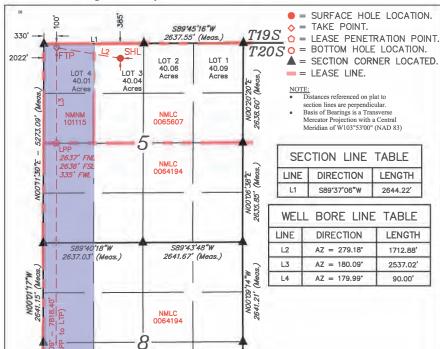
		WELL LOCATION ANI	ACREAGE DEDICATION PLAT		
¹ API Number 30-025-PENDING		² Pool Code 96637	AST		
⁴ Property Code	ode		⁵ Property Name JOKER 5-8 FED COM		
⁷ OGRID No. 372165			erator Name RCES OPERATING, LLC	⁹ Elevation 3633.7'	

	¹⁰ Surface Location								
UL or lot no.	Section 5	Township 20S	Range 34E	Lot Idn	Feet from the 385	North/South line NORTH	Feet from the 2022	East/West line WEST	County LEA

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section 8	Township 20S	Range 34E	Lot Idn	Feet from the 10	North/South line SOUTH	Feet from the 330	East/West line WEST	County LEA	
12 Dedicated Acre 320.01	es 13	Joint or Infill	14 Cons	olidation Code	15 Order No.]

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



"38"W (Meas.,

N00'09 2641.91

17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

E-mail Address

18 SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

March 10, 2023

Date of Survey Signature and Seal of Professional Surveyor



NAD 83 (SURFACE HOLE LOCATION) LATITUDE = 32°36'30.12" (32.608366°)
LONGITUDE = -103°35'03.63" (-103.584341°)
NAD 27 (SURFACE HOLE LOCATION)
LATITUDE = 32°36'29.68" (32.608243°)
LONGITUDE = -103°35'01.86" (-103.583849°)
STATE PLANE NAD 83 (N.M. EAST)
N: 585866.77' E: 771972.77'
STATE PLANE NAD 27 (N.M. EAST)
N: 585803.85' E: 730792.26'

NAD 83 (FIRST TAKE POINT)
LATITUDE = 32°36'32.87" (32.609130°)
LONGITUDE = -103°35'23.38" (-103.589829°)
NAD 27 (FIRST TAKE POINT)
LATITUDE = 32°36'32.43" (32.609007°)
LONGITUDE = -103°35'21.61" (-103.589336°)
STATE PLANE NAD 83 (N.M. EAST)
N: 586132.92' E: 770280.99'
STATE PLANE NAD 27 (N.M. EAST)
N: 586070.01' E: 729100.51'

NAD 83 (LEASE PENETRATI	
LATITUDE = 32°36'07.77" (32.0	
LONGITUDE = -103°35'23.51"	
NAD 27 (LEASE PENETRATI	
LATITUDE = 32°36'07.33" (32.0	
LONGITUDE = -103°35'21.74"	
STATE PLANE NAD 83 (N.M.	EAST)
N: 583596.35' E: 770287.85'	
STATE PLANE NAD 27 (N.M.	EAST)
N: 583533.51' E: 729107.29'	

NAD 83 (LAST TAKE POINT)
LATITUDE = 32°34'50.42" (32.580673°)
LONGITUDE = -103°35'23.90" (-103.589973°) NAD 27 (LAST TAKE POINT) LATITUDE = 32°34'49.98" (32.580550°) LONGITUDE = -103°35'22.13" (-103.589481°) STATE PLANE NAD 83 (N.M. EAST) N: 575779.32' E: 770308.98' STATE PLANE NAD 27 (N.M. EAST)

NAD 83 (BOTTOM HOLE LOCATION) LATITUDE = 32°34'49.53" (32.580425°) LONGITUDE = -103°35'23.91" (-103.589974°) NAD 27 (BOTTOM HOLE LOCATION) LATITUDE = 32°34'49.09" (32.580302°) LONGITUDE = -103°35'22.14" (-103.589482°) STATE PLANE NAD 83 (N.M. EAST) N: 575689.34' E: 770309.37' STATE PLANE NAD 27 (N.M. EAST)

SCALE DRAWN BY: N.R. 03-13-23 REV: 1 N.R. 05-02-23 Released to Imaging: 7/14/2023 1:35:37

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e Detail "A

Detail "A"

No Scale

BHL 330'

330

S89°42'57"W 5291.71" (Meas.)

M

12 Dedicated Acres

REV: 1 N.R. 05-02-23

Released to Imaging: 7/14/2023 1:35:37

District I 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720 Phone: (3/3) /46-1283 Fax. (3/3) /46-9/20 District III 1000 Rio Brazos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170

District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505

Form C-102 Revised August 1, 2011 Submit one copy to appropriate District Office

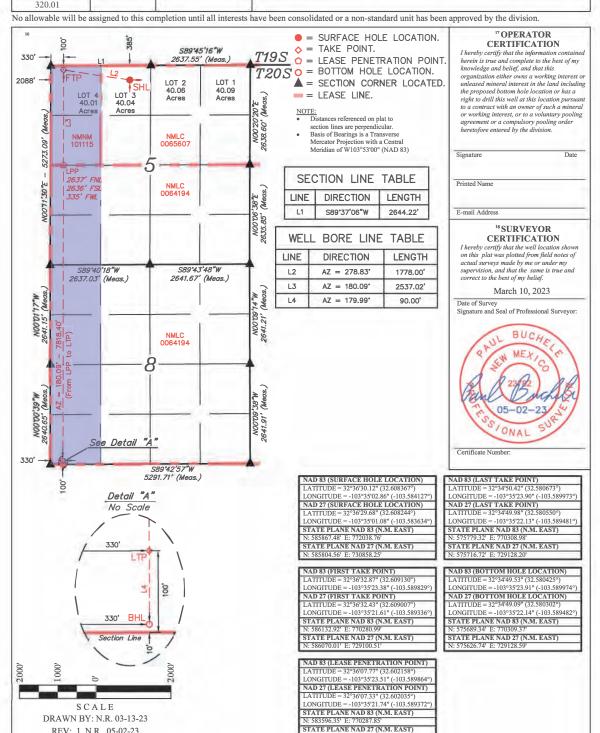
☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-PENDING		² Pool Code 96637	AST	
⁴ Property Code			roperty Name R 5-8 FED COM	⁶ Well Number 121H
⁷ OGRID No. 372165			perator Name URCES OPERATING, LLC	⁹ Elevation 3634.2'

UL or lot no. Section Township Range Lot Idn Feet from the North/South line Feet from the East/West line County						¹⁰ Surface	Location			
5 5 205 51E 505 NORTH 2000 WEST BEST	UL or lot no.	Section 5	Township 20S	Range 34E	Lot Idn	Feet from the 385	North/South line NORTH	Feet from the 2088	East/West line WEST	County LEA

Bottom Hole Location If Different From Surface Lot Idn Feet from the East/West line 208 34E 10 SOUTH 330 WEST LEA 3 Joint or Infill ¹⁴ Consolidation Code 15 Order No



District I 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720

State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505

Form C-102 Revised August 1, 2011 Submit one copy to appropriate District Office

AMENDED REPORT

Phone: (3/3) 746-1263 Fax. (3/3) 746-9/20 District III 1000 Rio Brazos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170 District III District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462

REV: 1 N.R. 05-02-23

Released to Imaging: 7/14/2023 1:35:37

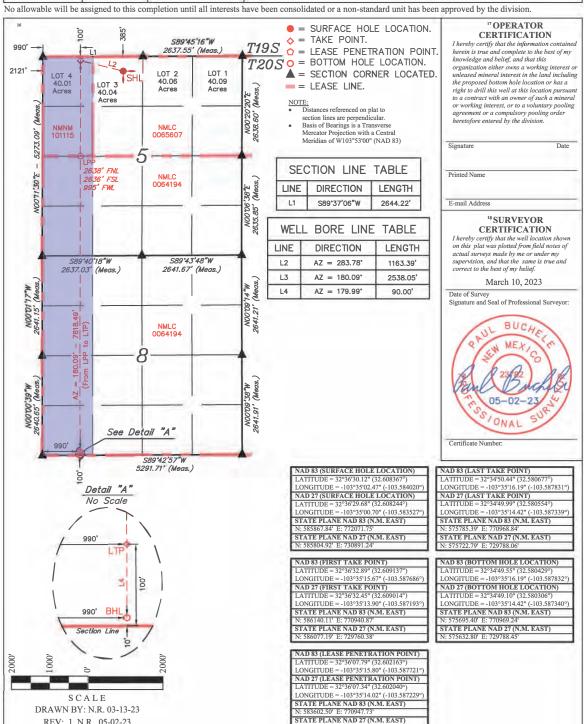
WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-PENDING		² Pool Code 96637	AST		
⁴ Property Code			roperty Name R 5-8 FED COM	⁶ Well Number 122H	
⁷ OGRID No. 372165			perator Name URCES OPERATING, LLC	9 Elevation 3633.9'	

¹⁰ Surface Location East/West line UL or lot no. Section Feet from the 20S 34E 385 NORTH 2121 WEST LEA

11 Bottom Hole Location If Different From Surface

UL	or lot no. M	Section 8	Township 20S	Range 34E	Lot Idn	Feet from the 10	North/South line SOUTH	Feet from the 990	East/West line WEST	County LEA
12 D	320.01	es 13 J	oint or Infill	14 Conse	olidation Code	15 Order No.				



<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720

District III 1000 Rio Brazos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170 Phone: (505) 334-6170 Phone: (505) 34-6170 Phone: (505) 44-6170 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505

Form C-102 Revised August 1, 2011 Submit one copy to appropriate District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

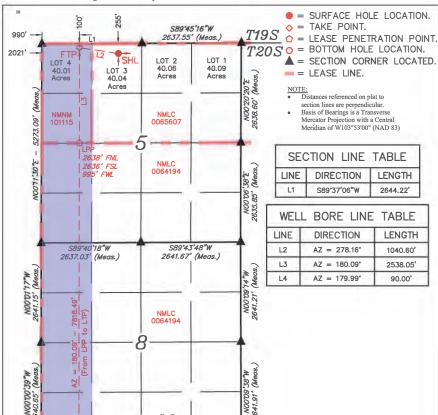
¹ API Numb 30-025-PEN		² Pool Code 96637	³ Pool Name TEAS; BONE SPRING, E		
⁴ Property Code		⁵ Pr JOKER	⁶ Well Number 171H		
⁷ OGRID No. 372165 PERMIAN R			perator Name URCES OPERATING, LLC	⁹ Elevation 3639.6'	

					10 Surface	Location			
UL or lot no.	Section 5	Township 20S	Range 34E	Lot Idn	Feet from the 255	North/South line NORTH	Feet from the 2021	East/West line WEST	County LEA
				D 44 II	1 7 4 7	CD'CC (E	G C		

Bottom Hole Location If Different From Surface

UL or lot no. M	Section 8	Township 20S	Range 34E	Lot Idn	Feet from the 10	North/South line SOUTH	Feet from the 990	East/West line WEST	County LEA
12 Dedicated Acre 320.01	es 13 J	Joint or Infill	14 Conso	olidation Code	15 Order No.	-		a.	

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



NO0'09'

17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuan or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature

Printed Name

E-mail Address

18 SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

March 10, 2023

Date of Survey Signature and Seal of Professional Surveyor:



Certificate Number

NAD 83 (SURFACE HOLE LOCATION) LATITUDE = 32°36'31.40" (32.608723°) LONGITUDE = -103°35'03.63" (-103.584343°) NAD 27 (SURFACE HOLE LOCATION) LATITUDE = 32°36'30.96" (32.608600°) LONGITUDE = -103°35'01.86" (-103.583850°) N: 58596.74' E: 771971.37' STATE PLANE NAD 83 (N.M. EAST) N: 58596.74' E: 771971.37'

NAD 83 (FIRST TAKE POINT)
LATITUDE = 32°36'32.89" (32.609137°)
LONGITUDE = -103°35'15.67" (-103.587686°) NAD 27 (FIRST TAKE POINT) LATITUDE = 32°36'32.45" (32.609014°) LONGITUDE = -103°35'13.90" (-103.587193°) STATE PLANE NAD 83 (N.M. EAST)
N: 586140.11' E: 770940.87'
STATE PLANE NAD 27 (N.M. EAST)
N: 586077.19' E: 729760.38'

NAD 83 (LEASE PENETRATION POINT) LATITUDE = 32°36′07.79" (32.602163°) LONGITUDE = -103°35′15.80" (-103.587721°) NAD 27 (LEASE PENETRATION POINT) LATITUDE = 32°36'07.34" (32.602040°) LONGITUDE = -103°35'14.02" (-103.587229°) STATE PLANE NAD 83 (N.M. EAST) N: 583602.50' E: 770947.73'
STATE PLANE NAD 27 (N.M. EAST)

NAD 83 (LAST TAKE POINT)
LATITUDE = 32°34'50.44" (32.580677°)
LONGITUDE = -103°35'16.19" (-103.587831°) NAD 27 (LAST TAKE POINT) LATITUDE = 32°34'49.99" (32.580554°) LONGITUDE = -103°35'14.42" (-103.587339°) STATE PLANE NAD 83 (N.M. EAST) N: 575785.39' E: 770968.84' STATE PLANE NAD 27 (N.M. EAST)

NAD 83 (BOTTOM HOLE LOCATION) LATITUDE = 32°34'49.55" (32.580429°) LONGITUDE = -103°35'16.19" (-103.587832°) NAD 27 (BOTTOM HOLE LOCATION) LATITUDE = 32°34'49.10" (32.580306°) LONGITUDE = -103°35'14.42" (-103.587340°) STATE PLANE NAD 83 (N.M. EAST)
N: 575695.40' E: 770969.24'
STATE PLANE NAD 27 (N.M. EAST) 75632.80' E: 729788.45

REV: 1 N.R. 05-02-23 Released to Imaging: 7/14/2023 1:35:37

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90

Detail "A"

No Scale

LIF

990' BHL

SCALE

DRAWN BY: N.R. 03-13-23

100

990'

See Detail "A"

S89°42'57"W 5291.71' (Meas.)

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720 Phone: (3/3) 746-1263 Fax. (3/3) 746-9/20 District III 1000 Rio Brazos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170 District III

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State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505

Form C-102 Revised August 1, 2011 Submit one copy to appropriate District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

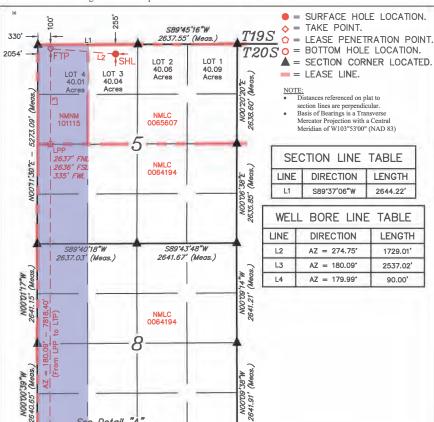
¹ API Numb 30-025-PEN	² Pool Code 96637	TEAS; BONE SPRING, E.	AST
⁴ Property Code		roperty Name R 5-8 FED COM	⁶ Well Number 131H
⁷ OGRID No. 372165		perator Name URCES OPERATING, LLC	⁹ Elevation 3637.7'

					10 Surface	Location			
UL or lot no.	Section 5	Township 20S	Range 34E	Lot Idn	Feet from the 255	North/South line NORTH	Feet from the 2054	East/West line WEST	County LEA
				D II	1 7	CD:00 . D	0 0		

Bottom Hole Location If Different From Surface

UL or lot no.	Section 8	Township 20S	Range 34E	Lot Idn	Feet from the 10	North/South line SOUTH	Feet from the 330	East/West line WEST	County LEA	
12 Dedicated Acre 320.01	es 13 J	oint or Infill	14 Conse	olidation Code	15 Order No.					

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuan or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature

Printed Name

E-mail Address

18 SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

March 10, 2023

Date of Survey Signature and Seal of Professional Surveyor:



Certificate Number

NAD 83 (SURFACE HOLE LOCATION) LATITUDE = 32°36′31.41" (32.608724°) LONGITUDE = -103°35′03.25" (-103.584236°) NAD 27 (SURFACE HOLE LOCATION) LATITUDE = 32°36'30.96" (32.608601°) LONGITUDE = -103°35'01.48" (-103.583743°) STATE PLANE NAD 83 (N.M. EAST N: 585997.10' E: 772004.36'
STATE PLANE NAD 27 (N.M. EAST)

NAD 83 (FIRST TAKE POINT LATITUDE = 32°36'32.87" (32.609130°) LONGITUDE = -103°35'23.38" (-103.589829° NAD 27 (FIRST TAKE POINT) LATITUDE = 32°36'32.43" (32.609007°) LONGITUDE = -103°35'21.61" (-103.589336°) STATE PLANE NAD 83 (N.M. EAST)
N: 586132.92' E: 770280.99'
STATE PLANE NAD 27 (N.M. EAST)

NAD 83 (LEASE PENETRATION POINT) LATITUDE = 32°36′07.77" (32.602158°) LONGITUDE = -103°35′23.51" (-103.589864°) NAD 27 (LEASE PENETRATION POINT) LATITUDE = 32°36'07.33" (32.602035°) LONGITUDE = -103°35'21.74" (-103.589372°) STATE PLANE NAD 83 (N.M. EAST) N: 583596.35' E: 770287.85'
STATE PLANE NAD 27 (N.M. EAST)

NAD 83 (LAST TAKE POINT)
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LONGITUDE = -103°35'23.90" (-103.589973°) NAD 27 (LAST TAKE POINT) LATITUDE = 32°34'49.98" (32.580550°) LONGITUDE = -103°35'22.13" (-103.589481°) STATE PLANE NAD 83 (N.M. EAST)
N: 575779.32' E: 770308.98'
STATE PLANE NAD 27 (N.M. EAST)

NAD 83 (BOTTOM HOLE LOCATION) LATITUDE = 32°34'49.53" (32.580425°) LONGITUDE = -103°35'23.91" (-103.589974°) NAD 27 (BOTTOM HOLE LOCATION) LATITUDE = 32°34'49.09" (32.580302°) LONGITUDE = -103°35'22.14" (-103.589482°) STATE PLANE NAD 83 (N.M. EAST)
N: 575689.34' E: 770309.37'
STATE PLANE NAD 27 (N.M. EAST)

REV: 1 N.R. 05-02-23 Released to Imaging: 7/14/2023 1:35:37

Detail

Detail "A"

No Scale

LTF

330' BHI

SCALE

DRAWN BY: N.R. 03-13-23

00

S89°42'57"W 5291.71" (Meas.)

00

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720

Phone: (575) 748-1283 Fax: (575) 748-9720 Phone: (3/3) 746-1283 Fax. (3/3) 746-9/20 District III 1000 Rio Brazos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170

District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462

811 S. First St., Artesia, NM 88210

BEFORE THE OIL CONSERVATION DIVISION Santa Fe, New Mexico Exhibit No. C-1
Submitted by: Read & Stevens, Inc. Hearing Date: July 20, 2023
Case No. 23517
Revise

Form C-102

Revised August 1, 2011 Submit one copy to appropriate

District Office

AMENDED REPORT

State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Numb 30-025-PEN	² Pool Code 96637	³ Pool Name TEAS; BONE SPRING, E.	AST
⁴ Property Code		roperty Name R 5-8 FED COM	⁶ Well Number 112H
⁷ OGRID No. 372165		perator Name URCES OPERATING, LLC	9 Elevation 3634.1'

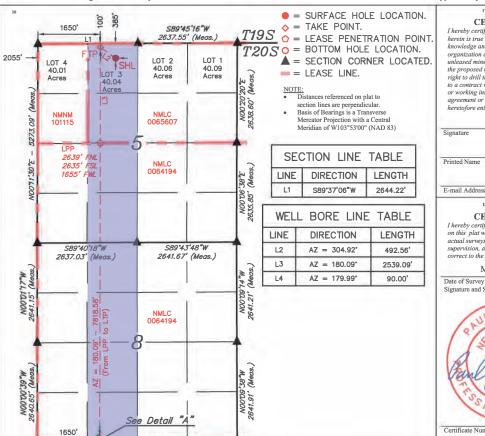
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
3	5	20S	34E		385	NORTH	2055	WEST	LEA

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section 8	Township 20S	Range 34E	Lot Idn	Feet from the 10	North/South line SOUTH	Feet from the 1650	East/West line WEST	County LEA	
12 Dedicated Acre 320.04	es 13	Joint or Infill	14 Cons	olidation Code	15 Order No.					

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



S89°42'57"W 5291.71' (Meas.)

00 Detail "A"

1650

1650'

SCALE DRAWN BY: N.R. 03-13-23

No Scale

LTP

BHI

100

17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuan or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

18 SURVEYOR

CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

March 10, 2023

Signature and Seal of Professional Surveyor:



Certificate Number

NAD 83 (SURFACE HOLE LOCATION) LATITUDE = 32°36'30.12" (32.608366°) LONGITUDE = -103°35'03.24" (-103.584234°) NAD 27 (SURFACE HOLE LOCATION) LATITUDE = 32°36'29.68" (32.608243°) LONGITUDE = -103°35'01.47" (-103.583742°) STATE PLANE NAD 83 (N.M. EAST) N: 585867.13' E: 7/2005.77' STATE PLANE NAD 27 (N.M. EAST)

NAD 83 (FIRST TAKE POINT) LATITUDE = 32°36'32.92" (32.609144°) LONGITUDE = -103°35'07.95" (-103.585543° NAD 27 (FIRST TAKE POINT) LATITUDE = 32°36'32.48" (32.609021°) LONGITUDE = -103°35'06.18" (-103.585050°) STATE PLANE NAD 83 (N.M. EAST) N: 586147.30' E: 771600.75' STATE PLANE NAD 27 (N.M. EAST)

	NAD 83 (LEASE PENETRATION POINT)
	LATITUDE = 32°36'07.80" (32.602167°)
	LONGITUDE = -103°35'08.08" (-103.585579°)
	NAD 27 (LEASE PENETRATION POINT)
	LATITUDE = 32°36'07.36" (32.602044°)
	LONGITUDE = -103°35'06.31" (-103.585086°)
	STATE PLANE NAD 83 (N.M. EAST)
	N: 583608.66' E: 771607.61'
П	STATE PLANE NAD 27 (N.M. EAST)
	N: 583545.81' E: 730427.04'

NAD 83 (LAST TAKE POINT) LATITUDE = 32°34'50.45" (32.580681°) LONGITUDE = -103°35'08.48" (-103.585689°) NAD 27 (LAST TAKE POINT) LATITUDE = 32°34'50.01" (32.580558°) LONGITUDE = -103°35'06.71" (-103.585197°) STATE PLANE NAD 83 (N.M. EAST) N: 575791.45' E: 771628.71' STATE PLANE NAD 27 (N.M. EAST)

NAD 83 (BOTTOM HOLE LOCATION) LATITUDE = 32°34'49.56" (32.580433°) LONGITUDE = -103°35'08.48" (-103.585689°) NAD 27 (BOTTOM HOLE LOCATION) LATITUDE = 32°34'49.12" (32.580310°) LONGITUDE = -103°35'06.71" (-103.585198°) STATE PLANE NAD 83 (N.M. EAST)
N: 575701.47' E: 771629.11'
STATE PLANE NAD 27 (N.M. EAST)

REV: 1 N.R. 05-02-23 Released to Imaging: 7/14/2023 1:35:37 <u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720 Phone: (3/3) 746-1283 Fax: (3/3) 746-9/20 District III 1000 Rio Brazos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170 District IV

District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462

REV: 1 N.R. 05-02-23

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State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505

Form C-102 Revised August 1, 2011 Submit one copy to appropriate District Office

AMENDED REPORT

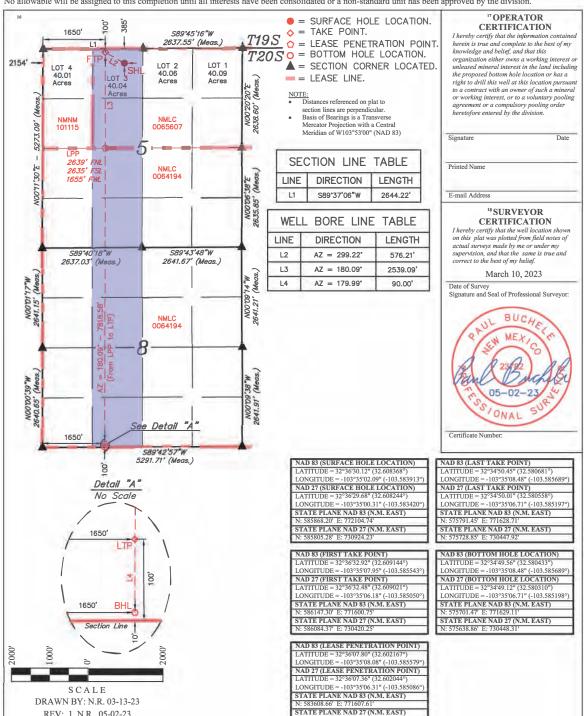
WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Numbe 30-025-PENI	² Pool Code 96637	³ Pool Na TEAS; BONE SP	
⁴ Property Code		operty Name 2.5-8 FED COM	⁶ Well Number 123H
⁷ OGRID No. 372165		perator Name JRCES OPERATING, LLC	⁹ Elevation 3634.8'

¹⁰ Surface Location East/West line UL or lot no. Section Township Feet from the 20S 34E 385 NORTH WEST LEA

Bottom Hole Location If Different From Surface

UL or lot no. N	Section 8	Township 20S	Range 34E	Lot Idn	Feet from the 10	North/South line SOUTH	Feet from the 1650	East/West line WEST	County LEA
12 Dedicated Acre 320.04	es 13	Joint or Infill	14 Conso	olidation Code	15 Order No.				



Released to Imaging: 7/14/2023 1:35:37

District I 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 District II 811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720 District III State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102 Revised August 1, 2011 Submit one copy to appropriate District Office

AMENDED REPORT

Thous: (373) 748-1285 Fax. (373) 748-9720 District III 1000 Rio Brazos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462

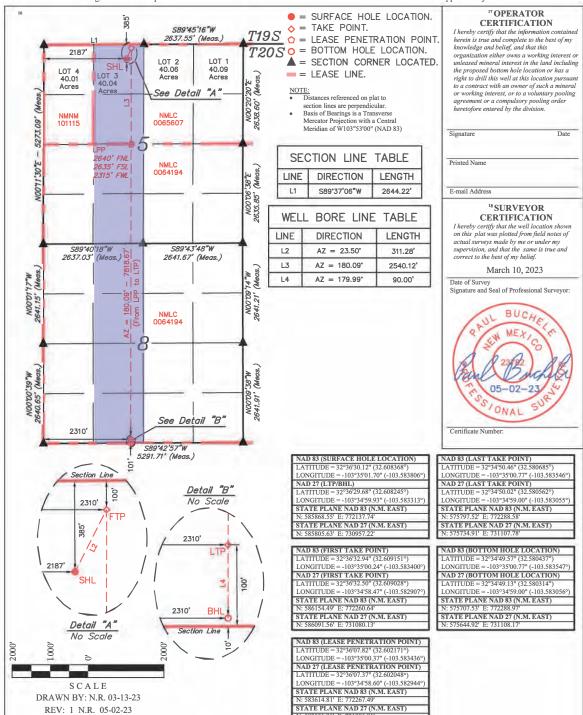
WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Numb 30-025-PEN		² Pool Code 96637	TEAS; BONE SPRING	, EAST	
⁴ Property Code			operty Name 6 Wel		
⁷ OGRID No. 372165		perator Name URCES OPERATING, LLC	⁹ Elevation 3635.6'		

 UL or lot no.
 Section
 Township
 Range 2008
 Lot Idn
 Feet from the 385
 NORTH
 Feet from the 2187
 East/West line WEST
 County LEA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no. N	Section 8	Township 20S	Range 34E	Lot Idn	Fee	t from the 10	North/South line SOUTH	Feet from the 2310	East/West line WEST	County LEA
12 Dedicated Acre 320.04	es 13	Joint or Infill	14 Conse	olidation Code		15 Order No.				



District I 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720 Phone: (3/3) 746-1283 Fax: (3/3) 746-9/20 District III 1000 Rio Brazos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170 District III

Phone: (505) 476-3460 Fax: (505) 476-3462

REV: 1 N.R. 05-02-23

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State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

Form C-102 Revised August 1, 2011 Submit one copy to appropriate District Office

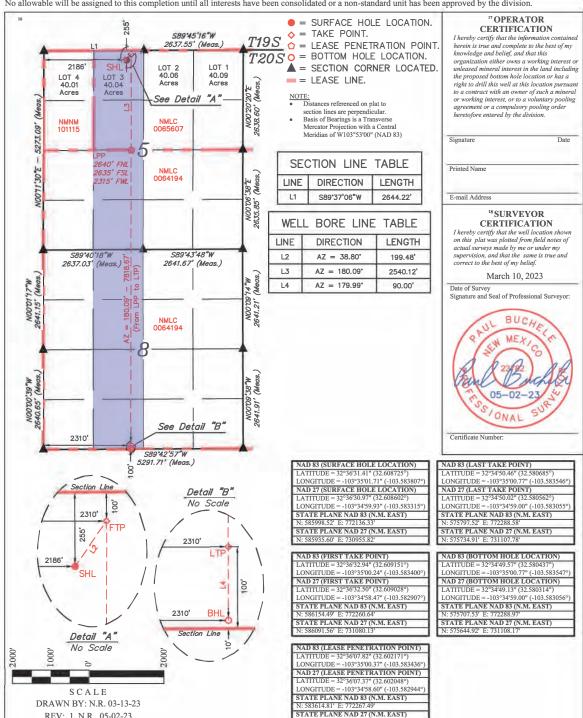
AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-PENDING		² Pool Code 96637	AST	
4 Property Code			roperty Name R 5-8 FED COM	⁶ Well Number 172H
⁷ OGRID No. 372165		perator Name URCES OPERATING, LLC	9 Elevation 3636.6'	

					10 Surface	Location						
UL or lot no.	Section 5	Township 20S	Range 34E	Lot Idn	Feet from the 255	North/South line NORTH	Feet from the 2186	East/West line WEST	County LEA			
	"Dattery Hele Location of Different From Symfon											

Bottom Hole Location If Different From Surface Lot Idn Feet from the East/West line Township N 208 34E 10 SOUTH 2310 WEST LEA 12 Dedicated Acres 3 Joint or Infill ¹⁴ Consolidation Code 15 Order No.



District I 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720

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District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505

Form C-102 Revised August 1, 2011 Submit one copy to appropriate District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-PENDING		² Pool Code 96637	AST	
4 Property Code			operty Name 2.5-8 FED COM	⁶ Well Number 132H
⁷ OGRID №. 372165			perator Name URCES OPERATING, LLC	⁹ Elevation 3638.4'

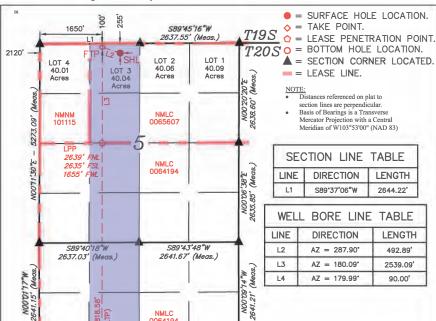
¹⁰ Surface Location

UL or lot no	Section	Township 20S	Range 34E	Lot Idn	Feet from the	North/South line NORTH	Feet from the 2120	East/West line WEST	County LEA
3	1 3	203	JTL		233	NORTH	2120	WEST	LLA

11 Bottom Hole Location If Different From Surface

UL or lot no. N	Section 8	Township 20S	Range 34E	Lot Idn	Feet from th		rth/South line SOUTH	Feet from the 1650	East/West line WEST	County LEA
12 Dedicated Acre 320.04	es 13	Joint or Infill	14 Cons	olidation Code	15 Order	No.				

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



"38"W (Meas.,

NO0'09'

NMI C 0064194

Detail "A

S89°42'57"W 5291.71' (Meas.)

00

0

= 180.0 (From L

Detail "A"

BHI

No Scale

1650

SCALE DRAWN BY: N.R. 03-13-23

1650'

17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuan or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature

Printed Name

E-mail Address

18 SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

March 10, 2023

Date of Survey Signature and Seal of Professional Surveyor:



Certificate Number

NAD 83 (SURFACE HOLE LOCATION) LATITUDE = 32°36'31.41" (32.608724°) LONGITUDE = -103°35'02.48" (-103.584021°) NAD 27 (SURFACE HOLE LOCATION) LATITUDE = 32°36'30.96" (32.608601°) LONGITUDE = -103°35'00.70" (-103.583529°) STATE PLANE NAD 83 (N.M. EAST) N: 585997.81' E: 772070.34' STATE PLANE NAD 27 (N.M. EAST)

NAD 83 (FIRST TAKE POINT)
LATITUDE = 32°36'32.92" (32.609144°)
LONGITUDE = -103°35'07.95" (-103.585543°)
NAD 27 (FIRST TAKE POINT)
LATITUDE = 32°36'32.48" (32.609021°)
LONGITUDE = -103°35'06.18" (-103.585050°)
STATE PLANE NAD 83 (N.M. EAST)
N: 586147.30' E: 771600.75'
STATE PLANE NAD 27 (N.M. EAST)
N: 586084.37' E: 730420.25'

NAD 83 (LEASE PENETRATION POINT)
LATITUDE = 32°36'07.80" (32.602167°)
LONGITUDE = -103°35'08.08" (-103.585579°)
NAD 27 (LEASE PENETRATION POINT)
LATITUDE = 32°36'07.36" (32.602044°)
LONGITUDE = -103°35'06.31" (-103.585086°)
STATE PLANE NAD 83 (N.M. EAST)
N: 583608.66' E: 771607.61'
STATE PLANE NAD 27 (N.M. EAST)
N: 583545.81' E: 730427.04'

NAD 83 (LAST TAKE POINT)
LATITUDE = 32°34'50.45" (32.580681°)
LONGITUDE = -103°35'08.48" (-103.585689°) NAD 27 (LAST TAKE POINT) LATITUDE = 32°34'50.01" (32.580558°) LONGITUDE = -103°35'06.71" (-103.585197°) STATE PLANE NAD 83 (N.M. EAST) N: 575791.45' E: 771628.71'
STATE PLANE NAD 27 (N.M. EAST)

NAD 83 (BOTTOM HOLE LOCATION) NAD 83 (BOTTOM HOLE LOCATION) LATITUDE = 32°34'49.56" (32.580433°) LONGITUDE = -103°35'08.48" (-103.585689°) NAD 27 (BOTTOM HOLE LOCATION) LATITUDE = 32°34'49.12" (32.580310°) LONGITUDE = -103°35'06.71" (-103.585198°) STATE PLANE NAD 83 (N.M. EAST) N: 575701.47' E: 771629.11' N: 575701.47' E: 771629.11'
STATE PLANE NAD 27 (N.M. EAST)

REV: 1 N.R. 05-02-23 Released to Imaging: 7/14/2023 1:35:37

NO0'00'39"W 840.65' (Meas.,

BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Exhibit No. C-1

Submitted by: Read & Stevens, Inc. Hearing Date: July 20, 2023 Case No. 23518

Form C-102 Revised August 1, 2011

Submit one copy to appropriate District Office

AMENDED REPORT

District I 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 811 S. First St., Artesia, NM 88210

Phone: (575) 748-1283 Fax: (575) 748-9720 Phone: (3/3) 746-1283 Fax. (3/3) 746-9/20 District III 1000 Rio Brazos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170 District III

District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462

Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505

State of New Mexico

WELL LOCATION AND ACREAGE DEDICATION PLAT

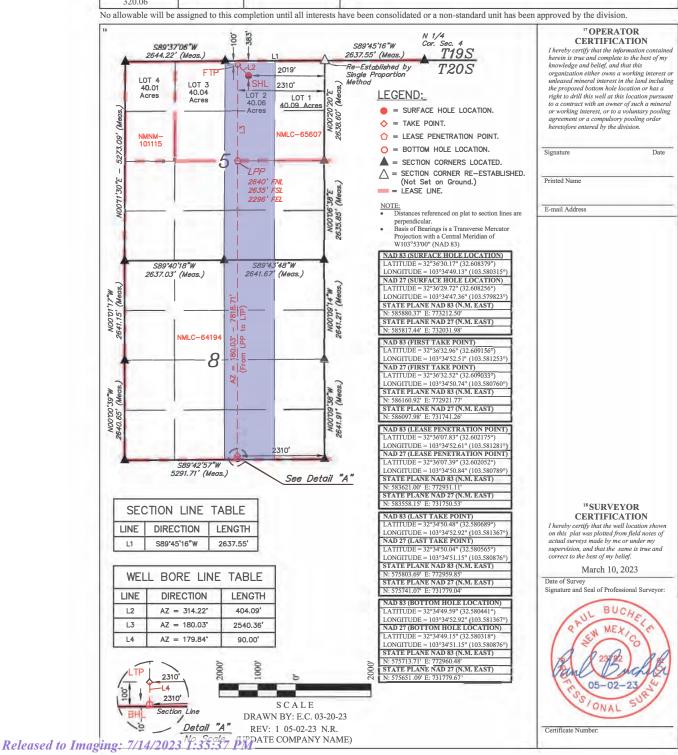
¹ API Numbe 30-025-PENI	² Pool Code 96637	G, EAST				
4 Property Code		⁵ Property Name JOKER 5-8 FED COM				
⁷ OGRID No. 372165		perator Name JRCES OPERATING, LLC	9 Elevation 3637.3'			

¹⁰ Surface Location

UL or lot no	Section	Township 20S	Range 34E	Lot Idn	Feet from the 383	North/South line NORTH	Feet from the 2019	East/West line EAST	County LEA
	1 -	200	JIL		303	HORITI	2017	Di IO I	DET

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section 8	Township 20S	Range 34E	Lot Idn	Feet from the 10	North/South line SOUTH	Feet from the 2310	East/West line EAST	County LEA
12 Dedicated Acre 320.06	es 13	Joint or Infill	14 Conse	olidation Code	15 Order No.				



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District I 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720

Phone: (505) 476-3460 Fax: (505) 476-3462

Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION Phone: (3/3) 746-1283 Fax. (3/3) 746-9/20 District III 1000 Rio Brazos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170 District III 1220 South St. Francis Dr. Santa Fe, NM 87505 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

Form C-102 Revised August 1, 2011 Submit one copy to appropriate District Office

☐ AMENDED REPORT

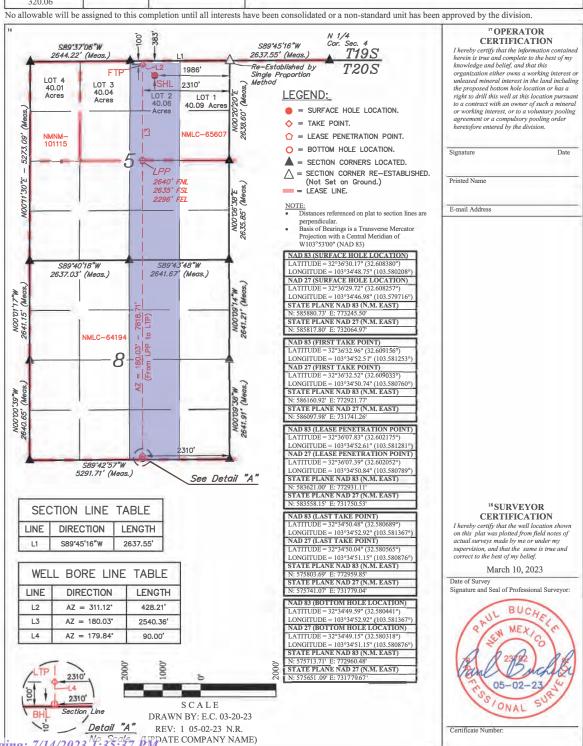
WELL LOCATION AND ACREAGE DEDICATION PLAT

State of New Mexico

¹ API Numb 30-025-PEN	² Pool Code 96637	NG, EAST	
⁴ Property Code	JOKE	⁶ Well Number 125H	
⁷ OGRID No. 372165		Operator Name DURCES OPERATING, LLC	9 Elevation 3638.4'

¹⁰ Surface Location East/West line Lot Idn UL or lot no Section Township Feet from the North/South line Feet from the County 20S 34E 383 NORTH 1986 EAST LEA ¹¹ Bottom Hole Location If Different From Surface

Lot Idn Feet from the East/West line County Township Range 34E North/South lin SOUTH Feet from the 2310 EAST 0 20S LEA 12 Dedicated Acres 13 Joint or Infill 14 Consolidation Code 15 Order No 320.06



District I 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720

Phone: (505) 476-3460 Fax: (505) 476-3462

UL or lot no. Section Township

State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION Phone: (3/3) /46-1285 Fax. (3/3) /46-3/20 District III 1000 Rio Brazos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170 1220 South St. Francis Dr. Santa Fe, NM 87505 <u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505

Range Lot Idn

Form C-102 Revised August 1, 2011 Submit one copy to appropriate District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

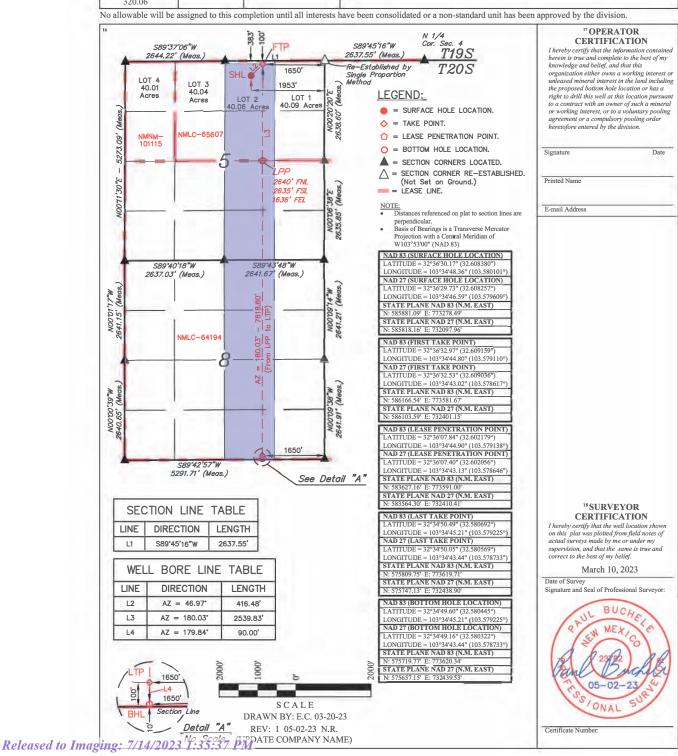
	¹ API Number 30-025-PENDING		² Pool Code ³ Pool Name 96637 TEAS; BONE SPRING, EA			
4 Property Code		⁵ Pr JOKER	⁶ Well Number 126H			
⁷ OGRID №. 372165		⁸ O _F PERMIAN RESOU	⁹ Elevation 3638.2'			

¹⁰ Surface Location

2	5	20S	34E		383	NORTH	1953	EAST	LEA
			**	Dattam II	ala I agotion I	f Different From	Cambooo		
			11	Bottom H	ofe Location I	I Different From	Surface		

Feet from the

UL or lot no. East/West line Township County Range 34E 0 20S 10 SOUTH 1650 EAST LEA 12 Dedicated Acres 3 Joint or Infill 14 Consolidation Code 15 Order No.



District I 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 District II 811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720 District III 1000 Rio Brazos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170

District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462 State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102 Revised August 1, 2011 Submit one copy to appropriate District Office

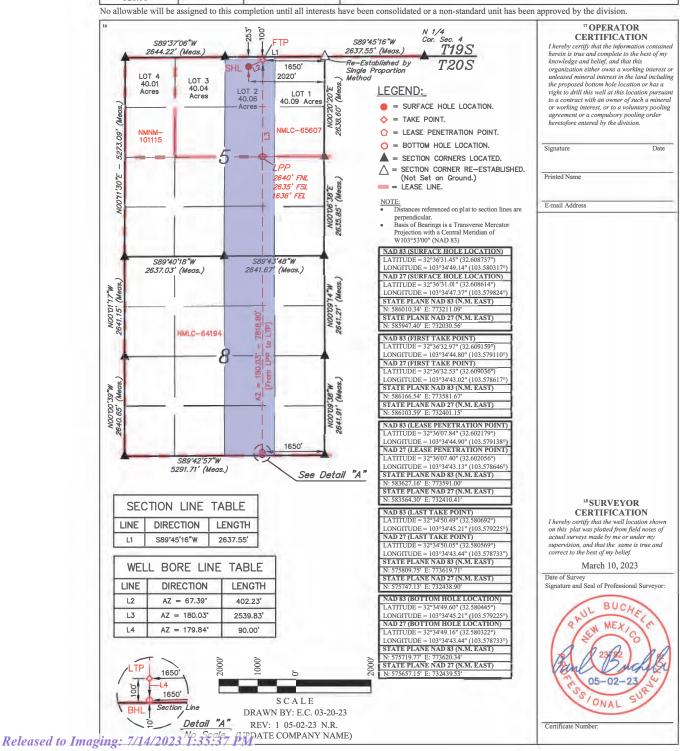
AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

	¹ API Number 30-025-PENDING		² Pool Code ³ Pool Name 96637 TEAS; BONE SPRING, EA			
⁴ Property Code		⁵ Pr JOKER	⁶ Well Number 173H			
⁷ OGRID №. 372165			perator Name URCES OPERATING, LLC	⁹ Elevation 3640.1'		

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section 8	Township 20S	Range 34E	Lot Idn	Feet from the 10	North/South line SOUTH	Feet from the 1650	East/West line EAST	County LEA
12 Dedicated Acre 320.06	es 13	Joint or Infill	14 Conse	olidation Code	15 Order No.				



District I 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720

Phone: (3/3) 746-1263 Fax. (3/3) 746-9/20 District III 1000 Rio Brazos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170 District III <u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505

Phone: (505) 476-3460 Fax: (505) 476-3462

UL or lot no. Section Township Range Lot Idn

State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505

Form C-102 Revised August 1, 2011 Submit one copy to appropriate District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Numbe 30-025-PENI	² Pool Code 96637	AST	
⁴ Property Code	⁵ Pr JOKER	⁶ Well Number 133H	
⁷ OGRID №. 372165		perator Name URCES OPERATING, LLC	9 Elevation 3639.1'

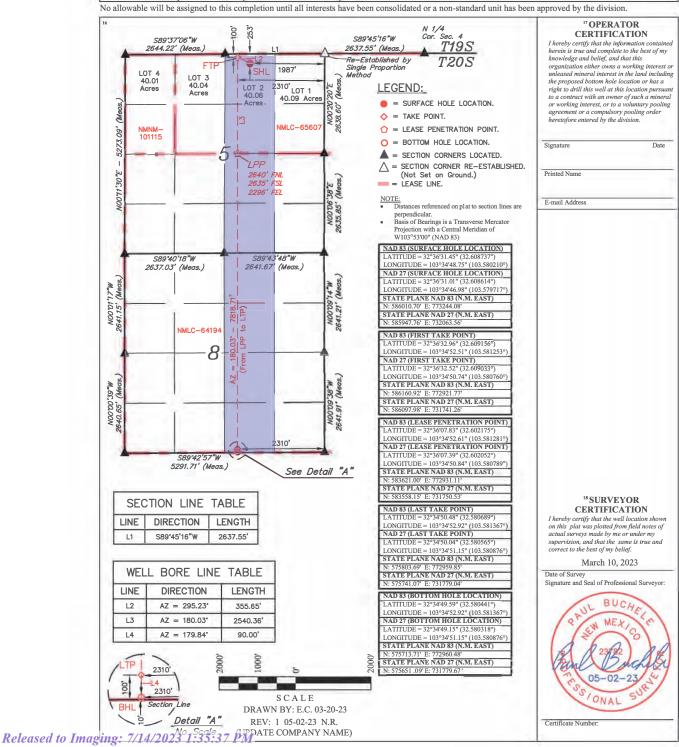
2	5	20S	34E		253	NORTH	1987	EAST	LEA		
	"Rottom Hole Location If Different From Surface										

¹⁰ Surface Location

Feet from the

North/South line Feet from the

UL or lot no.	Section 8	Township 20S	Range 34E	Lot Idn	Feet from the 10	North/South line SOUTH	Feet from the 2310	East/West line EAST	County LEA
12 Dedicated Acre 320.06	es 13 3	Joint or Infill	14 Conse	olidation Code	15 Order No.	-			



BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Exhibit No. C-1

Energy, Minerals & Natural Resources Department Submit one copy to appropriate OIL CONSERVATION DIVISION District Office

Submitted by: Read & Stevens, Inc. Hearing Date: July 20, 2023 Case No. 23519 Form C-102 Revised August 1, 2011

AMENDED REPORT

District I 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 811 S. First St., Artesia, NM 88210

Phone: (575) 748-1283 Fax: (575) 748-9720 Phone: (3/3) /46-1283 Fax. (3/3) /46-9/20 District III 1000 Rio Brazos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170

District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462

WELL LOCATION AND ACREAGE DEDICATION PLAT

State of New Mexico

1220 South St. Francis Dr.

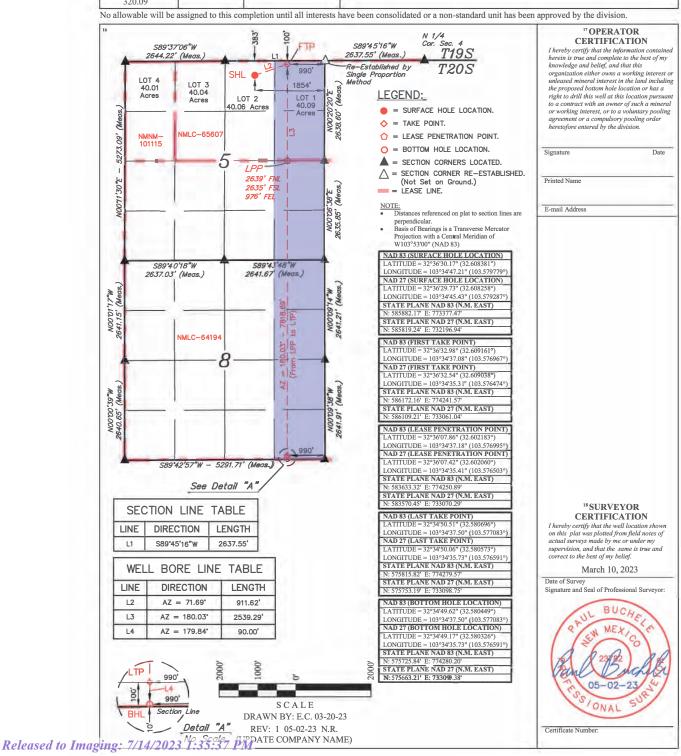
Santa Fe, NM 87505

¹ API Numb 30-025-PEN	² Pool Code 96637	EAST	
⁴ Property Code	⁵ Pi JOKEF	⁶ Well Number 114H	
⁷ OGRID No. 372165	8 O PERMIAN RESO	⁹ Elevation 3637.4'	

¹⁰ Surface Location East/West line UL or lot no. Section Feet from the Feet from the County 20S 34E 383 NORTH EAST LEA

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section 8	Township 20S	Range 34E	Lot Idn	Feet from the 10	North/South line SOUTH	Feet from the 990	East/West line EAST	County LEA
12 Dedicated Acre 320.09	es 13 J	oint or Infill	14 Conso	olidation Code	15 Order No.				



UL or lot no.

District I 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 District II 811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720 District III 1000 Rio Brazos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170

District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462 State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102 Revised August 1, 2011 Submit one copy to appropriate District Office

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WELL LOCATION AND ACREAGE DEDICATION PLAT

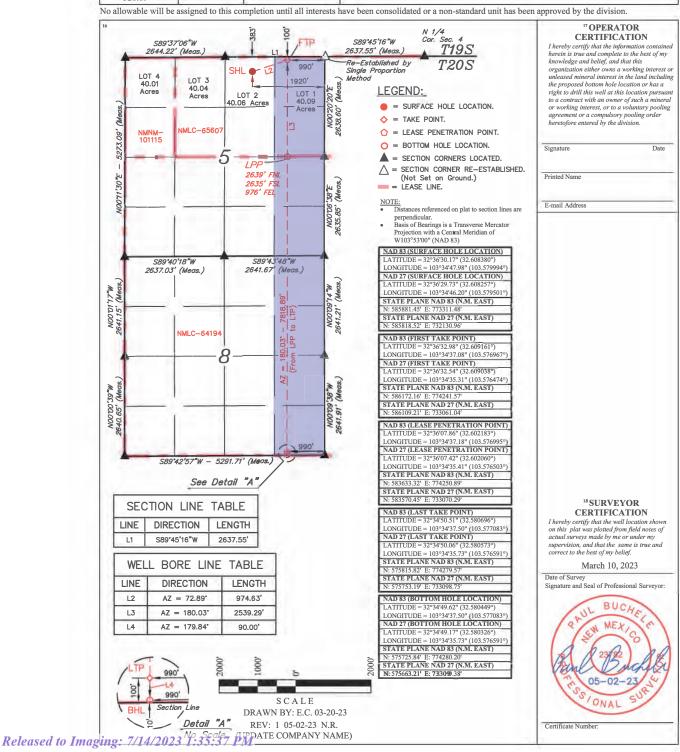
	¹ API Number 30-025-PENDING		Pool Code 3 Pool Name 96637 TEAS; BONE SPRING, EA			
⁴ Property Code		⁵ Pr JOKER	⁶ Well Number 127H			
⁷ OGRID №. 372165		⁸ O _I PERMIAN RESOU	⁹ Elevation 3637.3'			

 "Section
 Township
 Range
 Lot Idn
 Feet from the
 North/South line
 Feet from the
 East/West line
 County

 5
 20S
 34E
 383
 NORTH
 1920
 EAST
 LEA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section 8	Township 20S	Range 34E	Lot Idn	Feet from the 10	North/South line SOUTH	Feet from the 990	East/West line EAST	County LEA
12 Dedicated Acr 320.09	es 13 J	oint or Infill	14 Conso	olidation Code	15 Order No.				



NOO71 30"E

NOO'01'17"W 2641.15' (Meas.

S89°40'18"W 2637.03' (Meas.)

NMLC-64194

District I 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720

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Phone: (505) 476-3460 Fax: (505) 476-3462

20S

34E

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LEA

Date

East/West lin

EAST

Printed Name

E-mail Address

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Numbe 30-025-PENI	² Pool Code 96637	AST				
⁴ Property Code		operty Name 2.5-8 FED COM	⁶ Well Number 128H			
⁷ OGRID No. 372165	*Operator Name PERMIAN RESOURCES OPERATING, LLC					

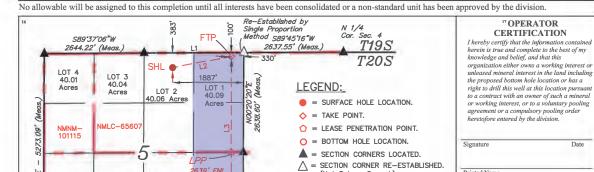
383 NORTH 1887

¹⁰ Surface Location

Feet from the

				11	Bottom H	ole Location I	f Different From	Surface		
1	UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

34E SOUTH 20S 10 330 **EAST** LEA 12 Dedicated Acres 13 Joint or Infill 14 Consolidation Code 15 Order No. 320.09



NOO'06 2635.85'

NO0'09'

38"W (Meas.)

1 0

당읍

180.

Ŋ

2639' FNL 2636' FSL

16' FEL

S89'43'48"W 2641.67' (Meas.)

(Not Set on Ground.)

= LEASE LINE. NOTE:

Distances referenced on plat to section lines are

Perpendicular.
Basis of Bearings is a Transverse Mercator
Projection with a Central Meridian of
W103°53'00" (NAD 83)

NAD 83 (SURFACE HOLE LOCATION) LATITUDE = 32°36'30.17" (32.608381°) LONGITUDE = 103°34'47.59" (103.579887°) NAD 27 (SURFACE HOLE LOCATION) LATITUDE = 32°36'29.73" (32.608258°) LONGITUDE = 103°34'45.82" (103.579394°) LONGITUDE = 103°34'40.82" (103.5'93' STATE PLANE NAD 83 (N.M. EAST) N: 585881.81' E: 773344.47' STATE PLANE NAD 27 (N.M. EAST) N: 585818.88' E: 732163.95' NAD 83 (FIRST TAKE POINT) LATITUDE = 32°36'32.99" (32.609164°) LONGITUDE = 103°34'29.37" (103.574824°

NAD 27 (FIRST TAKE POINT)
LATITUDE = 32°36'32.55" (32.60'9041°)
LONGITUDE = 103°34'27.59" (103.574'32°)
STATE PLANE NAD 83 (N.M. EAST) N: 586177.77' E: 774901.47 STATE PLANE NAD 27 (N.M. EAST) N: 586114.82' E: 733720.93 NAD 83 (LEASE PENETRATION POINT)

LATITUDE = 32°36'07.87" (32.602187°) LONGITUDE = 103°34'29 47" (103 574852° NAD 27 (LEASE PENETRATION POINT) LATITUDE = 32°36'07.43" (32.602064°) LONGITUDE = 103°34'27.70" (103.574360 STATE PLANE NAD 83 (N.M. EAST) STATE PLANE NAD 27 (N.M. EAST)

NAD 83 (LAST TAKE POINT) LATITUDE = 32°34'50.52" (32.580700°) LONGITUDE = 103°34'29.79" (103.574940°) NAD 27 (LAST TAKE POINT) LATITUDE = 32°34'50.08" (32.580

LONGITUDE = 103°34'28.02" (103.574449° STATE PLANE NAD 83 (N.M. EAST) N: 575821.88' E: 774939.43'
STATE PLANE NAD 27 (N.M. EAST

NAD 83 (BOTTOM HOLE LOCATION) LATITUDE = 32°34'49.63" (32.580453°) LONGITUDE = 103°34'29.79" (103.574940° NAD 27 (BOTTOM HOLE LOCATION) LATITUDE = 32°34'49.19" (32.580329°) LONGITUDE = 103°34'28.02" (103.574449°

STATE PLANE NAD 83 (N.M. EAST) N: 575731.90' E: 774940.07'

STATE PLANE NAD 27 (N.M. EAST) N-575669 27' E-73375924

18 SURVEYOR

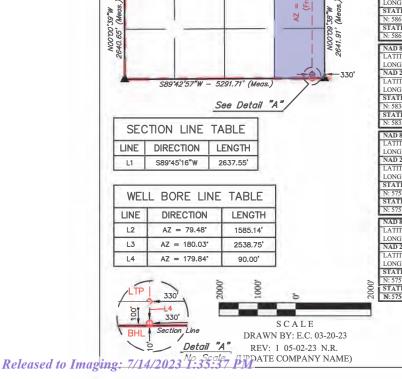
CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

March 10, 2023

Signature and Seal of Professional Surveyor



Certificate Number



<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720 Phone: (3/3) /46-1283 Fax. (3/3) /46-9/20 District III 1000 Rio Brazos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170

<u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505

Form C-102 Revised August 1, 2011 Submit one copy to appropriate District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

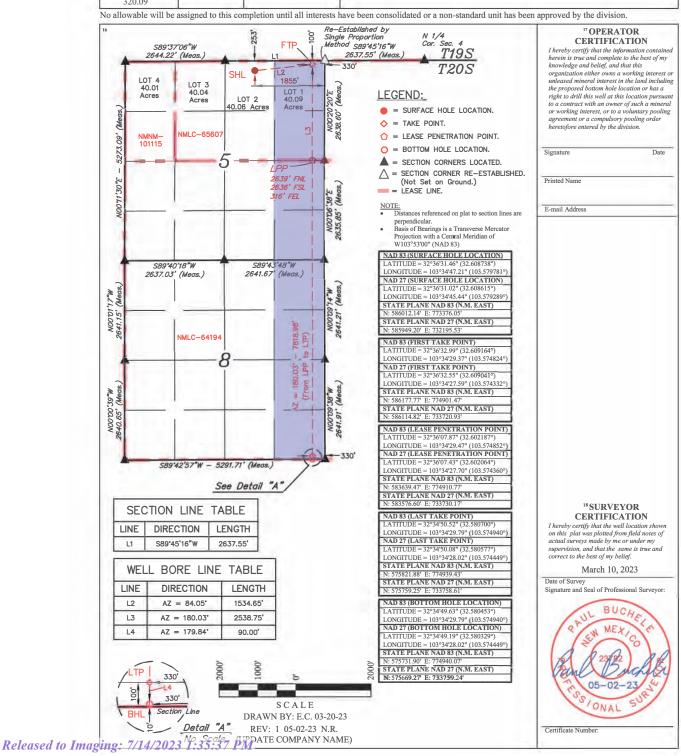
¹ API Number 30-025-PEND	² Pool Code 96637	³ Pool Name TEAS; BONE SPRING, EA	AST
⁴ Property Code		operty Name 2.5-8 FED COM	⁶ Well Number 174H
⁷ OGRID №. 372165		perator Name JRCES OPERATING, LLC	9 Elevation 3638.1'

Feet from the

H	2	5	20S	34E		253	NORTH	1855	EAST	LEA		
	"Bottom Hole Location If Different From Surface											
	"Bottom Hole Location if Different From Surface											
- 1	III or lot no	Section	Township	Dange	Lot Idn	Foot from the	North/South line	Foot from the	Fact/Wact line	County		

¹⁰ Surface Location

20S 34E SOUTH 10 EAST LEA P 330 12 Dedicated Acres 3 Joint or Infill ¹⁴ Consolidation Code 15 Order No. 320.09



District I 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 District II 811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720 District III

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WELL LOCATION AND ACREAGE DEDICATION PLAT

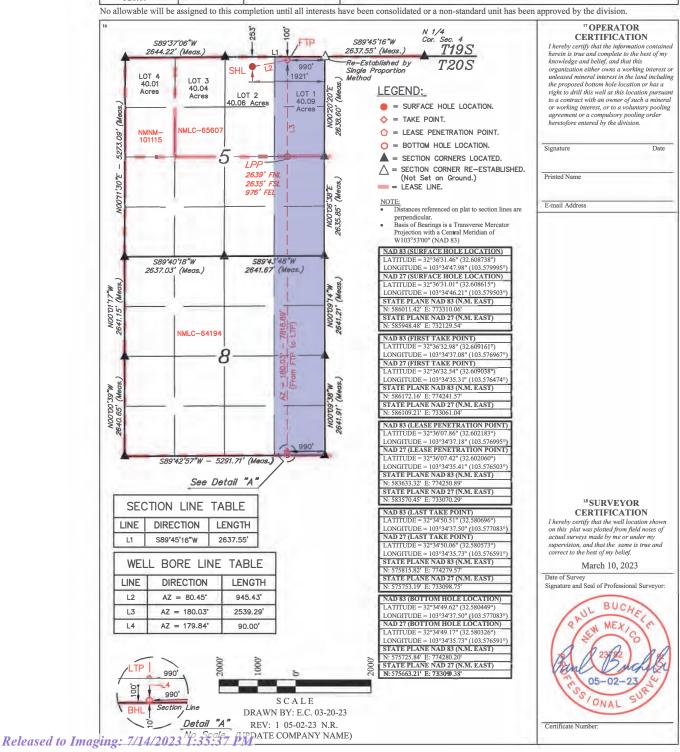
¹ API Numbe 30-025-PENI	² Pool Code 96637						
4 Property Code		operty Name 6 Well Num . 5-8 FED COM 134H					
⁷ OGRID №. 372165		perator Name URCES OPERATING, LLC	⁹ Elevation 3638.2'				

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
2	5	20S	34E		253	NORTH	1921	EAST	LEA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section 8	n	Township 20S	Range 34E	Lot Idn	F	eet from the 10	North/South line SOUTH	Feet from the 990	East/West line EAST	County LEA
12 Dedicated Acre 320.09	es	13 Jo	int or Infill	14 Conso	olidation Code		15 Order No.				



BEFORE THE OIL CONSERVATION DIVISION Santa Fe, New Mexico Exhibit No. C-1

Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION District Office

Submitted by: Read & Stevens, Inc.
Hearing Date: July 20, 2023
Case No. 23520

Form C-102 Revised August 1, 2011 Submit one copy to appropriate

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811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720 Phone: (3/3) 746-1263 Fax: (3/3) 746-9/20 District III 1000 Rio Brazos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170 District III

District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462

SCALE

DRAWN BY: N.R. 03-13-23

REV: 1 N.R. 05-02-23

Released to Imaging: 7/14/2023 1:35:37

WELL LOCATION AND ACREAGE DEDICATION PLAT

State of New Mexico

1220 South St. Francis Dr.

Santa Fe, NM 87505

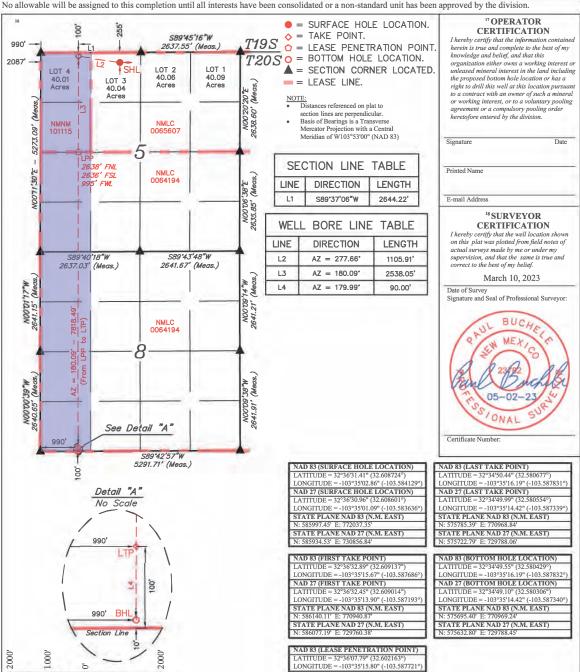
¹ API Numb		² Pool Code	³ Pool Name			
30-025-PEN		59500	TONTO; WOLFCAMP			
⁴ Property Code			Property Name 6 Well Number R 5-8 FED COM 201H			
⁷ OGRID No.		perator Name	9 Elevation			
372165		URCES OPERATING, LLC	3638.8'			

¹⁰ Surface Location East/West line UL or lot no Section Township Feet from the Feet from the 20S 34E 255 NORTH 2087 WEST LEA

11 Bottom Hole Location If Different From Surface

UL or lot no. M	Section 8	Township 20S	Range 34E	Lot Idn	Feet from the 10	North/South line SOUTH	Feet from the 990	East/West line WEST	County LEA
12 Dedicated Acre 320.01	es 13	Joint or Infill	14 Conse	olidation Code	15 Order N	0.			

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



NAD 27 (LEASE PENETRATION POINT) LATITUDE = 32°36'07.34" (32.602040°) LONGITUDE = -103°35'14.02" (-103.587229°)

STATE PLANE NAD 83 (N.M. EAST)

N: 583602.50' E: 770947.73'
STATE PLANE NAD 27 (N.M. EAST)

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720

Phone: (575) 748-1283 Fax: (575) 748-9720 Phone: (3/3) /46-1283 Fax. (3/3) /46-9/20 District III 1000 Rio Brazos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170

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811 S. First St., Artesia, NM 88210

BEFORE THE OIL CONSERVATION DIVISION

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ORE THE OIL CONSERVATION D

Santa Fe, New Mexico
Exhibit No. C-1

Submitted by: Read & Stevens,
Hearing Date: July 20, 2023
Case No. 23521

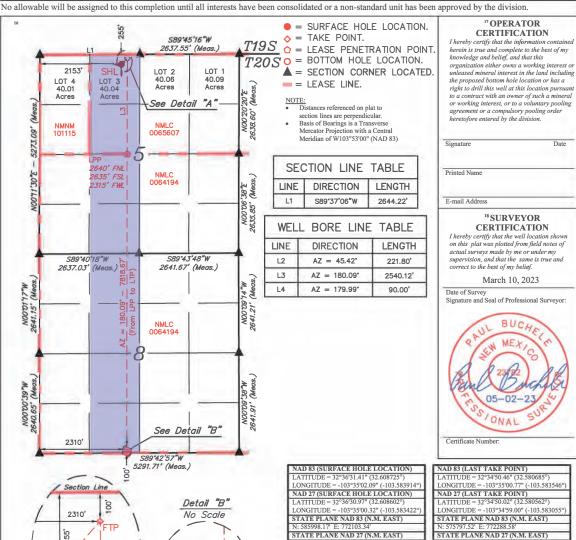
State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505

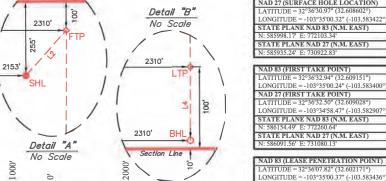
WELL LOCATION AND ACREAGE DEDICATION BLAT

¹ API Numb 30-025-PEN	² Pool Code 59500	³ Pool Name TONTO; WOLFCAMP			
⁴ Property Code		roperty Name 6 Well Number R 5-8 FED COM 202H			
⁷ OGRID No. 372165	⁹ Elevation 3637.6'				

					10 Surface	Location			
UL or lot no.	Section 5	Township 20S	Range 34E	Lot Idn	Feet from the 255	North/South line NORTH	Feet from the 2153	East/West line WEST	County LEA

Bottom Hole Location If Different From Surface Lot Idn Feet from the N 208 34F 10 SOUTH 2310 WEST LEA 12 Dedicated Acres 3 Joint or Infill 14 Consolidation Code 15 Order No





NAD 83 (LEASE PENETRATION POINT) LATITUDE = 32°36'07.82" (32.602171°) LONGITUDE = -103°35'00.37" (-103.583436°) NAD 27 (LEASE PENETRATION POINT) LATITUDE = 32°36'07.37" (32.602048°) LONGITUDE = -103°34'58.60" (-103.582944°) STATE PLANE NAD 83 (N.M. EAST)

N: 583614.81' E: 772267.49'
STATE PLANE NAD 27 (N.M. EAST)

NAD 83 (BOTTOM HOLE LOCATION) LATITUDE = 32°34'49.57" (32.580437°) LONGITUDE = -103°35'00.77" (-103.583547°) NAD 27 (BOTTOM HOLE LOCATION) STATE PLANE NAD 83 (N.M. EAST) N: 575707.53' E: 772288.97'
STATE PLANE NAD 27 (N.M. EAST)

REV: 1 N.R. 05-02-23 Released to Imaging: 7/14/2023 1:35:37

SCALE

DRAWN BY: N.R. 03-13-23

BEFORE THE OIL CONSERVATION DIVISION ORE THE OIL CONSERVATION DIVIS Santa Fe, New Mexico Exhibit No. C-1 Submitted by: Read & Stevens, Inc. Hearing Date: July 20, 2023 Case No. 23522

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WELL LOCATION AND ACREAGE DEDICATION PLAT

State of New Mexico

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

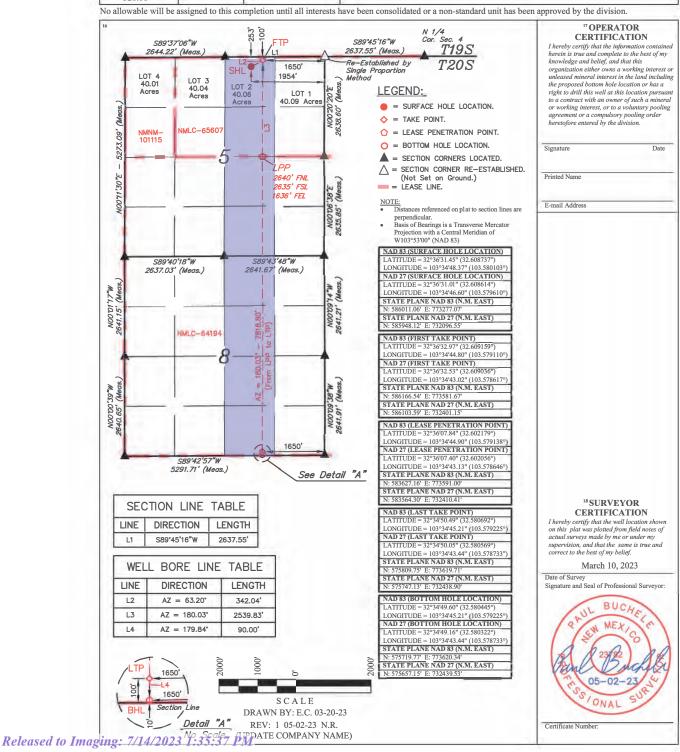
¹ API Number ² Pool Code 30-025-PENDING 59500			³ Pool Name TONTO; WOLFCAMP			
⁴ Property Code		⁵ Property Name JOKER 5-8 FED COM				
⁷ OGRID No. 372165		*Operator Name PERMIAN RESOURCES OPERATING, LLC				

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
2	5	20S	34E		253	NORTH	1954	EAST	LEA

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section 8	Township 20S	Range 34E	Lot Idn	Feet from the 10	North/South line SOUTH	Feet from the 1650	East/West line EAST	County LEA	
12 Dedicated Acre 320.06	es 13	Joint or Infill	14 Conse	olidation Code	15 Order No.					



BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Exhibit No. C-1
Submitted by: Read & Stevens, Inc.
Hearing Date: July 20, 2023
Case No. 23523

State of New Mexico

Hearing Date:
Case No.
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION

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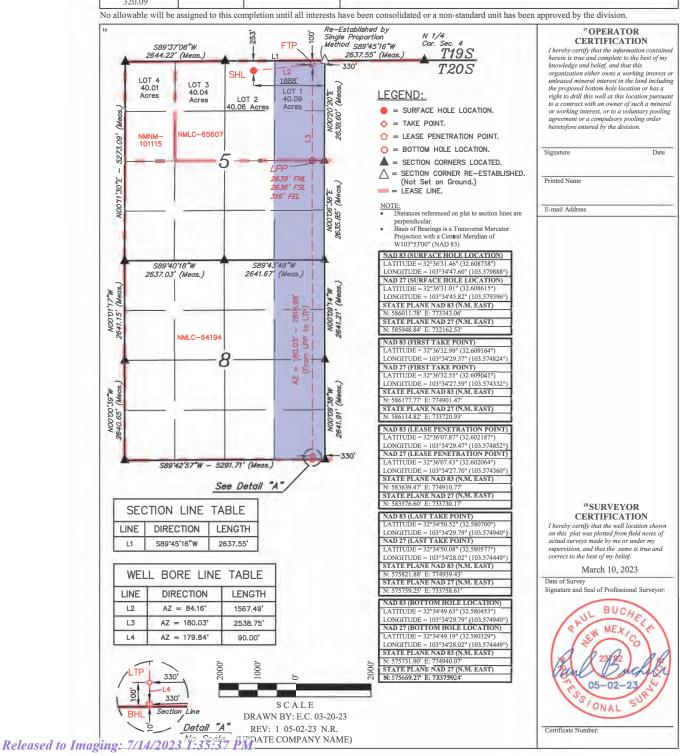
WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-PENDING		² Pool Code 59500 TONTO; WOLFC.		мР		
⁴ Property Code		⁵ Property Name JOKER 5-8 FED COM				
⁷ OGRID No. 372165		* Operator Name PERMIAN RESOURCES OPERATING, LLC				

UL or lot no. Section Township Range Lot Idn Feet from the North/South line Feet from the East/West line	
2 5 20S 34E 253 NORTH 1888 EAST	County LEA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Secti 8	on	Township 20S	Range 34E	Lot Idn	F	eet from the 10	North/South line SOUTH	Feet from the 330	East/West line EAST	County LEA	
12 Dedicated Acre 320.09	es	13 Jo	int or Infill	14 Conso	olidation Code		15 Order No.					



JULY 20, 2023

Read & Stevens - Joker & Bane Federal Com

Joker – Sections 5 & 8, Township 20 South, Range 34 East, Lea Co., NM Bane - Sections 4 & 9, Township 20 South, Range 34 East, Lea Co., NM Case No.: 23508 through 23523



Table of Contents

Slide 34:



Slide Directory by **Topic**

Slide Directory by **Case**

Cases 23508-23523 (All Cases)

Slide 2:	Exhibit A-2, Brief Land Update/C-102 reference	Slide 2:	Cases 23508-23523 (All Cases)
Slide 3:	Exhibit A-3, Lease and Spacing Unit Overview (Bone Spring)	Slide 3:	Cases 23508-23523 (All Cases)
Slide 4:	Exhibit A-4, Lease and Spacing Unit Overview	Slide 4:	Cases 23508-23523 (All Cases)
Silde 4.	(Wolfcamp)	Slide 5:	Cases 23508-23515 (Bane, Sections 4 & 9)
Slide 5 & 6:	Exhibit A-5, Pooled Working Interest Parties	Slide 6:	Cases 23516-23523 (Joker, Sections 5 & 8)
Slide 7:	Exhibit A-6, Overriding Royalty Interest Owners	Slide 7:	Cases 23508-23523 (All Cases)
Slide 8:	Exhibit A-7, Pooled Record Title Owners	Slide 8:	Cases 23508-23523 (All Cases)
Slides 9-20:	Exhibit A-8, Ownership Breakout for Joker	Slides 9-20:	Cases 23516-23523 (Joker, Sections 5 & 8)
Slides 21-30:	Exhibit A-9, Ownership Breakout for Bane	Slides 21-30:	Cases 23508-23515 (Bane, Sections 4 & 9)
Slides 31-33:	Exhibit A-10, Chronology of Communication	Slides 31-33:	Cases 23508-23523 (All Cases)

Slide 34:

Exhibit A-11, Area Overview

Page 185 c

Permian Resources Land Update & C102s Reference

EXHIBIT C-2

Brief Status Update/General Info – Permian Land

Bane anticipated spud date: Q2 2024Joker anticipated spud date: Q3 2024

APD Status:

Joker: Pursuant to BLM rule, APD submissions within the Potash area are not welcome until a Potash Development

Area ("DA") is fully approved. Due to Cimarex contest, Potash DA remains unapproved. However, Permian

has all 24 Joker APDs uploaded to the BLM's AFMSS and can be submitted within 24 hours of approval.

• Bane: Pursuant to NMOCD rule, an Operator must either obtain an interest in every tract or a compulsory pooling

order prior to the submission of APDs. However, Permian has all Bane 24 APDs uploaded to the BLM's

AFMSS and can be submitted within 24 hours of either obtaining an Order or an interest in every tract.

C-102s: All available, supplemented here with this presentation as Exhibit A-1.

Joker Potash DA Status: Joker DA submitted to the BLM and all non-op/offset owners on February 17th prior to any Permian well

proposal within the unit as is the customary order of business. BLM now relying on NMOCD Order to

determine approval. While Cimarex has protested the Joker DA in February 2023, it finally submitted one

of their own via letter dated June 26, 2023, not mailed til July 7, 2023, received by the BLM July 12th.

Relationship of Parties:
 Permian Resources Operating, LLC closed the acquisition of Read & Stevens as well as First Century

Oil on February 16, 2023 and has acquired the interest of Avalon Energy. Permian as the parent

company will Operator on their behalf until all entities are consolidated.

Title Opinions:
 Full Joker & Bane 2023 Drilling and Division Order Title Opinions rendered. Currently working curative

items.

Proposals/AFES/Support Docs: All available, supplemented here with this presentation as Exhibit A-9

EXHIBIT C-3



Pertaining to the **Bone Spring Formation**

	<u> </u>						
	Joker & Bane Units - 100% Fed - Plan to be commingled						
5 NMM-101115	LC-00	65607					
Sec 8	LC-06	5ec 9 54194					

									1
Sec 5		Joker Unit	t (Sec 5/8))	Bane Unit (Sec 4/9)				Sec
Sec 8	Joker 111, 121, 12 <mark>2</mark> , 171, 131 Spacing	Joker 112, 123, 124, 172, 132 Spacing	Joker 113, 125, 12 <mark>6</mark> , 173, 133 Spacing	Joker 114, 127, 12 <mark>8, 174, 134 Spacing</mark>	Bane 111, 121, 12 <mark>2</mark> , 171, 131 Spacing	Bane 112, 123, 124, 172, 132 Spacing	Bane 113, 125, 126, 173, 133 Spacing	Bane 114, 127, 128, 174, 134 Spacing	Sec
	88 635 6	S. S	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	***	80 S.	See See Control of the Control of th	**************************************	17. 2. 2. 2. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	

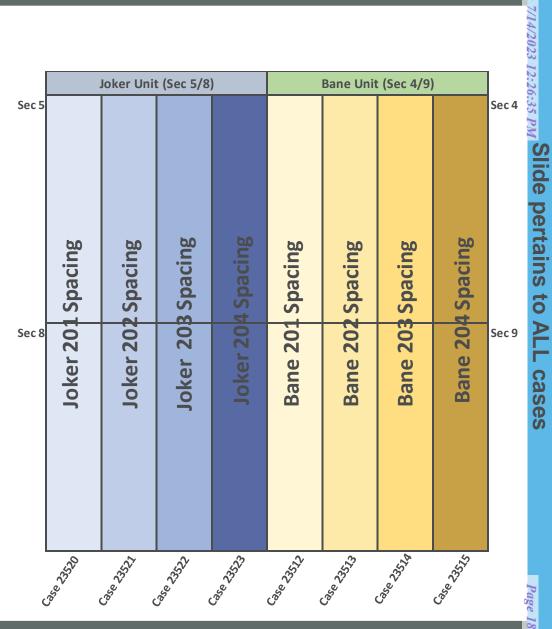
Lease & Spacing Unit Overview

EXHIBIT C-4



Pertaining to the Wolfcamp Formation

	Joker & Bane Units - 100% Fed - Plan to be commingled							
5 NMM-101115	LC-00	65607						
Sec 8	LC-06	Sec 9 54194						



Bane - Pooled Working Interest Parties - Cases 23508-23515



Bone Spring

Bane -	Bane - Bone Spring Pooled Parties List									
Owner	Pooled Party?	Status								
Delmar Hudson Trust	Υ	Term Assigned to Cimarex								
Lindys Living Trust (Hudson)	Υ	Term Assigned to Zorro/Javelina								
Javelina Partners	Υ	Assumed Cimarex Support								
Zorro Partners	Υ	Assumed Cimarex Support								
Josephine Hudson Trust	Υ	Neutral								
Ard Oil	Υ	Read & Stevens/PR Support								
Moore & Shelton	Υ	Neutral								
HOG Partnership LP	Υ	Neutral								
Read & Stevens	N	Permian Resources Owned								
First Century Oil	N	Permian Resources Owned								
Foran Oil Co	Υ	Neutral								
Chase Oil Co	Υ	Neutral								
Buccholz (Union Hill)	N	Neutral (No Leasehold)								
Magnum Hunter	Υ	Cimarex Owned								
Cimarex	Υ	Cimarex Owned								
William A. Hudson II	Υ	Assigned to Zorro								
Challenger Crude, Ltd.	Υ	Neutral								

Wolfcamp

Bane -	Bane - Wolfcamp Pooled Parties List									
Owner	Pooled Party?	Status								
Delmar Hudson Trust	Υ	Term Assigned to Cimarex								
Lindys Living Trust (Hudson)	Υ	Term Assigned to Zorro/Javelina								
Javelina Partners	Υ	Assumed Cimarex Support								
Zorro Partners	Υ	Assumed Cimarex Support								
Josephine Hudson Trust	Υ	Neutral								
Ard Oil	Υ	Read & Stevens/PR Support								
Moore & Shelton	Υ	Neutral								
HOG Partnership LP	Υ	Neutral								
Read & Stevens	N	Permian Resources Owned								
First Century Oil	N	Permian Resources Owned								
Foran Oil Co	Υ	Neutral								
Chase Oil Co	Υ	Neutral								
Buccholz (Union Hill)	N	Neutral (No Leasehold)								
Magnum Hunter	Υ	Cimarex Owned								
Cimarex	Υ	Cimarex Owned								
William A. Hudson II	N	Assigned to Zorro (No Leasehold)								
Challenger Crude, Ltd.	Υ	Neutral								

Prins to cases 23508 through 23515

Joker - Pooled Working Interest Parties - Cases 23516-23523



Bone Spring

Joker-	Bone Spring Poole	d Parties List
Owner	Pooled Party?	Status
MRC Permian*	Υ	Neutral
HOG Partnership LP*	Υ	Neutral
Northern Oil & Gas*	Υ	Supports R&S Co-Development
Javelina Partners*	Υ	Assumed Cimarex Support
Zorro Partners, Ltd.*	Υ	Assumed Cimarex Support
Delmar Hudson Trust*	Υ	Term Assigned to Cimarex
First Century	N	Permian Resources Owned
Read & Stevens	N	Permian Resources Owned
CBR Oil Prop*	Υ	Read & Stevens/PR Support
Ard Oil*	Υ	Read & Stevens/PR Support
Josephine Hudson Trust*	Υ	Neutral
Magnum Hunter*	Υ	Cimarex Owned
CLM Production Co*	N	Read & Stevens/PR Support
Highland (Texas) Energy*	Υ	Neutral
Diamond Star Prod.*	Υ	Read & Stevens/PR Support
Carolyn Beall*	Υ	Read & Stevens/PR Support
Tierra Encantada*	Υ	Read & Stevens/PR Support
David Luna*	Υ	Neutral
Warren Associates	N	Read & Stevens/PR Support
Cimarex Energy*	Υ	Cimarex Owned
Moore & Shelton*	Υ	Neutral
Lindys Living Trust*	Υ	Term Assigned to Javelina/Zorro
Challenger Crude*	Υ	Neutral
Avalon Energy Corp	N	Permian Resources Owned
Marks Oil*	Υ	Neutral
Prime Rock*	Υ	Neutral
Wilbanks Reserve*	Υ	Neutral
Buccholz (Union Hill)*	Υ	Neutral

Wolfcamp

Joker - Wolfcamp Pooled Parties List										
Owner	Pooled Party?	Status								
MRC Permian*	Υ	Neutral								
HOG Partnership LP*	Υ	Neutral								
Northern Oil & Gas*	Υ	Supports R&S Co-Development								
Javelina Partners*	Υ	Assumed Cimarex Support								
Zorro Partners, Ltd.*	Υ	Assumed Cimarex Support								
Delmar Hudson Trust*	Υ	Term Assigned to Cimarex								
First Century	N	Permian Resources Owned								
Read & Stevens	N	Permian Resources Owned								
CBR Oil Prop*	Υ	Read & Stevens/PR Support								
Ard Oil*	Υ	Read & Stevens/PR Support								
Josephine Hudson Trust*	Υ	Neutral								
Magnum Hunter*	Υ	Cimarex Owned								
CLM Production Co*	N	Read & Stevens/PR Support								
Highland (Texas) Energy*	Υ	Neutral								
Diamond Star Prod.*	Υ	Read & Stevens/PR Support								
Carolyn Beall*	Υ	Read & Stevens/PR Support								
Tierra Encantada*	Υ	Read & Stevens/PR Support								
David Luna*	Υ	Neutral								
Warren Associates	Υ	Read & Stevens/PR Support								
Cimarex Energy*	Υ	Cimarex Owned								
Moore & Shelton*	Υ	Neutral								
Lindys Living Trust*	Υ	Term Assigned to Javelina/Zorro								
Challenger Crude*	Υ	Neutral								
Avalon Energy Corp	N	Permian Resources Owned								
Marks Oil*	Υ	Neutral								
Prime Rock*	N	Neutral								
Wilbanks Reserve*	Υ	Neutral								
Buccholz (Union Hill)*	Υ	Neutral								

Overriding Royalty Interest Owners Exhibit – All Cases EXHIBIT C-6





	ORRI Owner	'S	
Owner Name	Status	Owner Name	Status
Alan R. Hannifin, as his sole and separate property	Neutral	Jonathan S. Roderick Living Trust dated February 8, 2007	Neutral
AmeriPermian Holdings, LLC	Neutral	JPT Family JV #1, c/o The Thompson Co.	Neutral
Blasco, LLC	Neutral	Kaleb Smith	Neutral
CEP Minerals, LLC	Neutral	LMC Energy, LLC	Neutral
Chad Barbe and wife, Marci Barbe	R&S Support	Lynne M. Romanchuk	Neutral
Christopher R. F. Eckels	Neutral	MAP 92-96 MGD, c/o Mineral Acquistion Partners, Inc.	Neutral
Collins & Jones Investments, LLC	R&S Support	MAP Holdings, c/o Mineral Acquisition Partners, Inc.	Neutral
Communities Foundation of Texas, Inc., c/o JPMorgan Chase Bank, N.A.	Neutral	Matt Hinkle, a/k/a Madison M. Hinkle	R&S Support
Crown Oil Partners V, LP	Neutral	Mavros Minerals II, LLC	Neutral
Crown Oil Partners, LP	Neutral	McMullen Minerals, LLC	Neutral
David W. Cromwell	R&S Support	Mike Moylett	R&S Support
Deane Duham	R&S Support	Motowi, LLC	Neutral
DNR Oil and Gas, Inc.	Neutral	MW Oil Investment Company, Inc.	Neutral
Doug J. Schutz, a married man dealing with his sole and separate property	Neutral	Nuevo Seis, LP	R&S Support
Edward R. Hudson, Jr., and wife Ann F. Hudson	Neutral	Oak Valley Mineral and Land, LP	Neutral
Eileen M. Grooms, Trustee of the EMG Revocable Trust, U/A/D 11/01/2004	R&S Support	Pegasus Resources, LLC	Neutral
Elizabeth Jane Kay Family Trust, Elizabeth Jane Kay, Trustee	Neutral	Penroc Oil Corporation	R&S Support
Ergodic Resources Company	Neutral	Phillip D. Dunford	Neutral
Estate of Bruce C. Monroe, Deceased	Neutral	Post Oak Crown IV, LLC	R&S Support
FFF, Inc.	Neutral	Post Oak Crown IV-B, LLC	R&S Support
Frannifin, LLC	Neutral	Pumpkin Buttes LLC	Neutral
F. Andrew Grooms, SSP Trust U/A/D March 24, 2014	Neutral	Robert Edward Eckels, Jr., LLC	Neutral
Free Ride, LLC	Neutral	Rolla Hinkle III	R&S Support
Good News Minerals, LLC	Neutral	Rubie Crosby Bell Family, LLC	R&S Support
H. Jason Wacker	Neutral	S & E Royalty, LLC	Neutral
HOG Partnership, LP	Neutral	Schertz Energy, LLC	R&S Support
Hoshi Kanri LLC	Neutral	Slayton Investments, LLC	R&S Support
Jan C. Ice	R&S Support	Delmar Hudson Lewis Living Trust, Bank of America, N.A., Trustee	Neutral
Jan E. Mills Testamentary Trust, c/o JPMorgan Chase Bank, N.A.	Neutral	William N. Heiss Profit Sharing Plan	Neutral
John C. Mills Testamentary Trust, c/o JP Morgan Chase Bank, N.A.	Neutral	Wyotex Oil Company	Neutral

EXHIBIT C-7



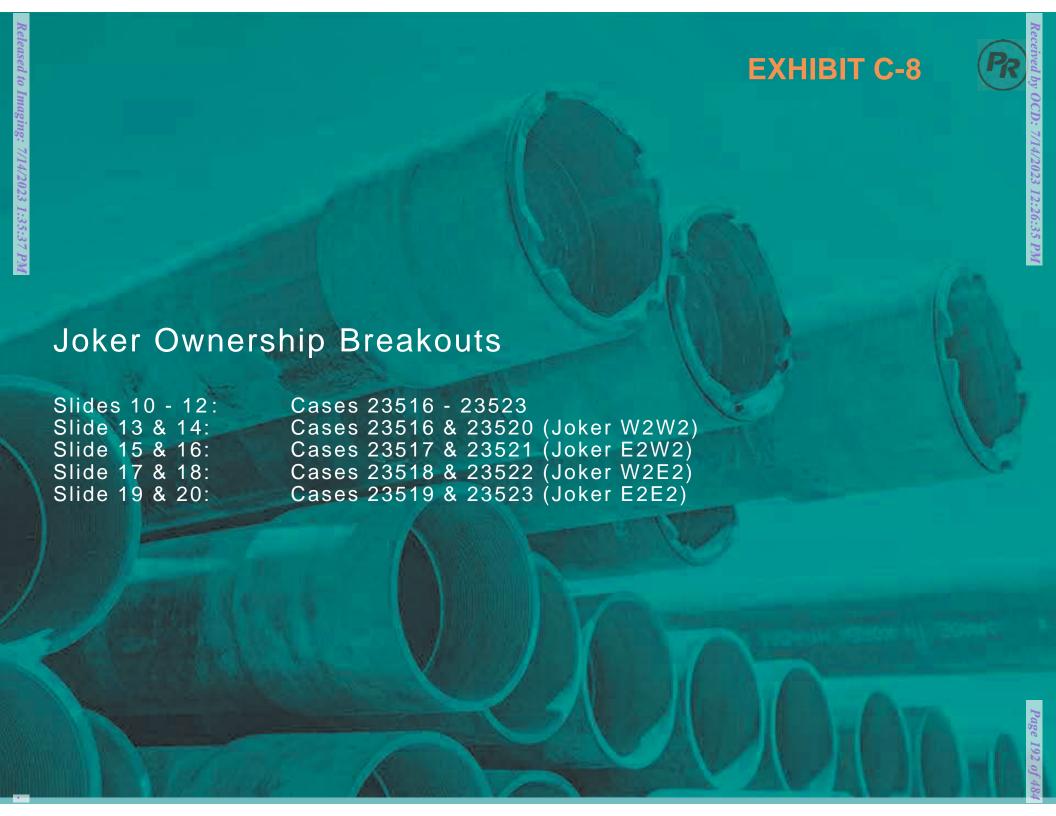
Joker Unit (Sections 5/8)

Pooled Record Title Owners Exhibit – All Cases

Bane Unit (Sections 4/9)

Record Title Owners - Joker									
Owner Name	Lease(s)	Applicable Cases	Pooled Party?						
Read & Stevens, Inc.	NMNM 101115	23516 23520	N						
Edward R Hudson Trust 4	NMLC 0 065607 NMLC 064194	23516-23523	Υ						
Zorro Partners LTD	NMLC 0 065607 NMLC 064194	23516-23523	Υ						
Lindy's Living Trust	NMLC 0 065607 NMLC 064194	23516-23523	Υ						
MRC Permian Co.	NMLC 0 065607	23517-23519 23121-23523	Υ						
Javelina Partners	NMLC 0 065607 NMLC 064194	23516-23523	Υ						
Delmar Hudson Lewis Living Trust	NMLC 0 065607 NMLC 064194	23516-23523	Υ						
Edward R. Hudson	NMLC 0 065607	23517-23519 23121-23523	Υ						
Josephine T Hudson Testamentary Trust	NMLC 064194	23516-23523	Υ						

Record Title Owners - Bane										
Owner Name	Lease(s)	Applicable Cases	Pooled Party?							
Edward R Hudson Trust 4	NMLC 0 065607	23508-23515	Υ							
	NMLC 064194									
Zorro Partners LTD	NMLC 0 065607	23508-23515	V							
2011011 dittile13 ETD	NMLC 064194	25500 25515	'							
Lindyla Living Truct	NMLC 0 065607	23508-23515	Y							
Lindy's Living Trust	NMLC 064194	23508-23515	1							
MRC Permian Co.	NMLC 0 065607	23508-23515	Υ							
Javelina Partners	NMLC 0 065607	22500 22545	γ							
Javelina Partners	NMLC 064194	23508-23515	Y							
	NMLC 0 065607	22522 22545	.,							
Delmar Hudson Lewis Living Trust	NMLC 064194	23508-23515	Υ							
Edward R. Hudson	NMLC 0 065607	23508-23515	Υ							
Josephine T Hudson Testamentary Trust	NMLC 064194	23508-23515	Υ							



Joker – Unit Ownership Breakout – Cases 23516 - 23523 Bone Spring & Wolfcamp Formations (Sections 5 & 8)



, portains

ō

cases

23516

through

	"As-Pooled	l" Leasehold C	wnership - BC	NE SPRING	"As-Poole	d" Leasehold (Ownership - W	/OLFCAMP	
	W2W2	E2W2	W2E2	E2E2	W2W2	E2W2	W2E2	E2E2	
Owner	Case 23516	Case 23517	Case 23518	Case 23519	Case 23520	Case 23521	Case 23522	Case 23523	Status
MRC Permian*	0.000%	4.501%	0.000%	0.000%	0.000%	4.501%	4.502%	4.503%	Neutral
HOG Partnership LP*	3.750%	6.876%	6.876%	6.877%	3.750%	6.876%	6.876%	6.877%	Neutral
Northern Oil & Gas*	0.000%	3.107%	0.000%	0.000%	0.000%	3.107%	3.107%	3.108%	Supports R&S Co-Development
Javelina Partners*	4.765%	6.745%	8.334%	8.335%	4.765%	6.745%	8.334%	8.335%	Assumed Cimarex Support
Zorro Partners, Ltd.*	1.906%	7.461%	5.475%	5.476%	1.906%	7.461%	5.475%	5.476%	Assumed Cimarex Support
Delmar Hudson Trust*	0.000%	0.808%	0.808%	0.809%	0.000%	0.808%	0.808%	0.809%	Term Assigned to Cimarex
First Century	2.989%	3.576%	2.910%	2.910%	6.150%	6.358%	7.248%	7.248%	Permian Resources Owned
Read & Stevens	36.279%	17.297%	19.107%	19.106%	41.992%	22.326%	23.934%	23.933%	Permian Resources Owned
CBR Oil Prop*	0.000%	1.667%	0.000%	0.000%	0.000%	1.667%	1.667%	1.668%	Read & Stevens/PR Support
Ard Oil*	1.430%	1.430%	1.429%	1.429%	1.430%	1.430%	1.429%	1.429%	Read & Stevens/PR Support
Josephine Hudson Trust*	0.477%	0.477%	0.874%	0.874%	0.477%	0.477%	0.874%	0.874%	Neutral
Magnum Hunter*	26.249%	26.247%	35.314%	35.315%	13.125%	13.123%	13.123%	13.121%	Cimarex Owned
CLM Production Co*	0.000%	0.000%	0.000%	0.000%	0.500%	0.000%	0.000%	0.000%	Read & Stevens/PR Support
Highland (Texas) Energy*	1.500%	0.000%	0.000%	0.000%	0.500%	0.000%	0.000%	0.000%	Neutral
Diamond Star Prod.*	0.500%	0.000%	0.000%	0.000%	0.500%	0.000%	0.000%	0.000%	Read & Stevens/PR Support
Carolyn Beall*	0.500%	0.000%	0.000%	0.000%	0.500%	0.000%	0.000%	0.000%	Read & Stevens/PR Support
Tierra Encantada*	0.500%	0.000%	0.000%	0.000%	0.500%	0.000%	0.000%	0.000%	Read & Stevens/PR Support
David Luna*	0.500%	0.000%	0.000%	0.000%	0.500%	0.000%	0.000%	0.000%	Neutral
Warren Associates*	0.000%	0.000%	0.000%	0.000%	0.500%	0.000%	0.000%	0.000%	Neutral
Cimarex Energy*	2.411%	2.411%	2.723%	2.723%	5.224%	5.223%	5.223%	5.222%	Cimarex Owned
Moore & Shelton*	1.687%	1.687%	1.687%	1.687%	1.687%	1.687%	1.687%	1.687%	Neutral
Lindys Living Trust*	2.859%	2.859%	2.859%	2.859%	2.859%	2.859%	2.859%	2.859%	Term Assigned to Javelina/Zorro
Challenger Crude*	2.407%	2.407%	2.407%	2.407%	2.407%	2.407%	2.407%	2.407%	Neutral
Avalon Energy Corp	0.625%	0.000%	1.250%	1.250%	0.000%	0.000%	0.000%	0.000%	Permian Resources Owned
Marks Oil*	0.817%	0.817%	0.817%	0.817%	1.567%	1.567%	1.567%	1.567%	Neutral
Prime Rock*	1.875%	2.500%	2.500%	2.499%	0.000%	0.000%	0.000%	0.000%	Neutral
Wilbanks Reserve*	3.473%	4.630%	4.629%	4.629%	6.660%	8.879%	8.879%	8.878%	Neutral
Buccholz (Union Hill)*	2.500%	2.500%	0.000%	0.000%	2.500%	2.500%	0.000%	0.000%	Neutral
Totals:	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	

Entities with a greater interest in the Bone Spring: Magnum Hunter (Cimarex), Highland, Avalon (PR), Prime Rock

Entities with a greater interest in the Wolfcamp: MRC, Northern, First Century (PR), Read & Stevens (PR), CBR, CLM Production, Warren Associates, Cimarex Energy, Marks Oil, Wilbanks Reserve

Entities with NO interest in the Bone Spring:

CLM Production & Warren Associates

*Contractual Rights separate
*Status is of to best knowledge

Read & Stevens Plan Supports:

- Meaningful development of Bone Spring Formation & Wolfcamp Formations backed by real-time data and scientific tests
- Protection of correlative rights
- Prevention of economic and resource waste
- Proper & thoughtful alignment of pool rules with development plans

Cimarex Plan Supports:

- More simple assumption of easier development plan
- Violation of correlative rights
- Resource & economic waste of all interest owners
- Unclear pooling and development plans based on stated intent to deplete Wolfcamp utilizing Bone Spring landings

^{*}All ownership information obtained from 2023 title opinions and reports

^{*}Please note ownership differences between Bone Spring and Wolfcamp formations - BOLD *Asterisk denotes pooled party

Joker — Tract-by-Tract Ownership Breakout — Cases 23516 - 23519 Bone Spring Formation (Sections 5 & 8)



		"Tra	ct-by- Tract	t" Leaseho	d Ownersl	nip - BONE	SPRING		
	Section 5:		Section 5:				Section 8:		
	Lot 3 &	Section 5:	Lot 4,	Section 5:			· 1	Section 8:	
Owner	SENW	NE	SWNW	SW	SE	E2	SWNW	SWNW	Status
MRC Permian*	17.997%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	Neutral
HOG Partnership LP*	12.500%	12.500%	0.000%	5.000%	5.000%	5.000%	5.000%	5.000%	Neutral
Northern Oil & Gas*	12.422%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	Supports R&S Co-Development
Javelina Partners*	7.915%	14.269%	0.000%	6.354%	6.354%	6.354%	6.354%	6.354%	Assumed Cimarex Support
Zorro Partners, Ltd.*	22.212%	14.269%	0.000%	2.542%	2.542%	2.542%	2.542%	2.542%	Assumed Cimarex Support
Delmar Hudson Trust*	3.232%	3.232%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	Term Assigned to Cimarex
First Century	6.666%	0.000%	0.000%	3.436%	3.881%	3.881%	2.100%	10.741%	Permian Resources Owned
Read & Stevens	10.391%	10.391%	86.000%	21.209%	22.014%	22.014%	18.795%	19.414%	Permian Resources Owned
CBR Oil Prop*	6.666%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	Read & Stevens/PR Support
Ard Oil*	0.000%	0.000%	0.000%	1.906%	1.906%	1.906%	1.906%	1.906%	Read & Stevens/PR Support
Josephine Hudson Trust*	0.000%	1.589%	0.000%	0.635%	0.635%	0.635%	0.635%	0.635%	Neutral
Magnum Hunter*	0.000%	43.750%	0.000%	40.000%	32.500%	32.500%	32.500%	32.500%	Cimarex Owned
CLM Production Co*	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	Read & Stevens/PR Support
Highland (Texas) Energy*	0.000%	0.000%	6.000%	0.000%	0.000%	0.000%	0.000%	0.000%	Neutral
Diamond Star Prod.*	0.000%	0.000%	2.000%	0.000%	0.000%	0.000%	0.000%	0.000%	Read & Stevens/PR Support
Carolyn Beall*	0.000%	0.000%	2.000%	0.000%	0.000%	0.000%	0.000%	0.000%	Read & Stevens/PR Support
Tierra Encantada*	0.000%	0.000%	2.000%	0.000%	0.000%	0.000%	0.000%	0.000%	Read & Stevens/PR Support
David Luna*	0.000%	0.000%	2.000%	0.000%	0.000%	0.000%	0.000%	0.000%	Neutral
Warren Associates*	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	Neutral
Cimarex Energy*	0.000%	0.000%	0.000%	9.645%	10.895%	0.000%	0.000%	0.000%	Cimarex Owned
Moore & Shelton*	0.000%	0.000%	0.000%	2.250%	2.250%	2.250%	2.250%	2.250%	Neutral
Lindys Living Trust*	0.000%	0.000%	0.000%	3.813%	3.813%	3.813%	3.813%	3.813%	Term Assigned to Javelina/Zorro
Challenger Crude*	0.000%	0.000%	0.000%	3.210%	3.210%	3.210%	3.210%	3.210%	Neutral
Avalon Energy Corp	0.000%	0.000%	0.000%	0.000%	5.000%	0.000%	0.000%	5.000%	Permian Resources Owned
Marks Oil*	0.000%	0.000%	0.000%	0.000%	0.000%	1.634%	1.634%	1.634%	Neutral
Prime Rock*	0.000%	0.000%	0.000%	0.000%	0.000%	5.000%	5.000%	0.000%	Neutral
Wilbanks Reserve*	0.000%	0.000%	0.000%	0.000%	0.000%	9.261%	9.261%	0.000%	Neutral
Buccholz (Union Hill)*	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	5.000%	5.000%	Neutral
Totals:	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	

^{*}All ownership information obtained from 2023 title opinions and reports

^{*}Contractual Rights separate *Status is of to best knowledge

Joker – Tract-by-Tract Ownership Breakout – Cases 23520 - 23523 Wolfcamp Formation (Sections 5 & 8)

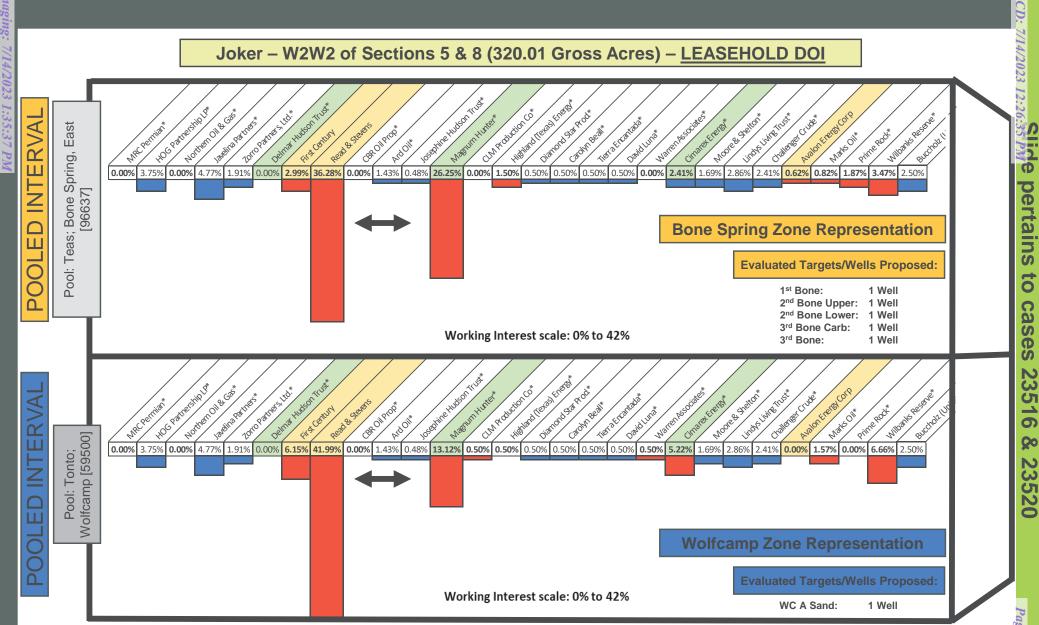


	_	"Tr	act-by-Trac	t" <u>Leaseho</u>	ld Owners	hip - WOLF	CAMP		
	Section 5:		Section 5:				Section 8:		
	Lot 3 &	Section 5:	Lot 4,	Section 5:	Section 5:	Section 8:	W2, SAE-	Section 8:	
Owner	SENW	NE	SWNW	SW	SE	E2	SWNW	SWNW	Status
MRC Permian*	17.997%	17.997%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	Neutral
HOG Partnership LP*	12.500%	12.500%	0.000%	5.000%	5.000%	5.000%	5.000%	5.000%	Neutral
Northern Oil & Gas*	12.422%	12.422%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	Supports R&S Co-Development
Javelina Partners*	7.915%	14.269%	0.000%	6.354%	6.354%	6.354%	6.354%	6.354%	Assumed Cimarex Support
Zorro Partners, Ltd.*	22.212%	14.269%	0.000%	2.542%	2.542%	2.542%	2.542%	2.542%	Assumed Cimarex Support
Delmar Hudson Trust*	3.232%	3.232%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	Term Assigned to Cimarex
First Century	6.666%	6.666%	0.000%	7.443%	7.443%	7.443%	5.662%	17.331%	Permian Resources Owned
Read & Stevens	10.391%	10.391%	86.000%	28.452%	28.452%	28.452%	25.233%	31.325%	Permian Resources Owned
CBR Oil Prop*	6.666%	6.666%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	Read & Stevens/PR Support
Ard Oil*	0.000%	0.000%	0.000%	1.906%	1.906%	1.906%	1.906%	1.906%	Read & Stevens/PR Support
Josephine Hudson Trust*	0.000%	1.589%	0.000%	0.635%	0.635%	0.635%	0.635%	0.635%	Neutral
Magnum Hunter*	0.000%	0.000%	0.000%	17.500%	17.500%	17.500%	17.500%	17.500%	Cimarex Owned
CLM Production Co*	0.000%	0.000%	2.000%	0.000%	0.000%	0.000%	0.000%	0.000%	Read & Stevens/PR Support
Highland (Texas) Energy*	0.000%	0.000%	2.000%	0.000%	0.000%	0.000%	0.000%	0.000%	Neutral
Diamond Star Prod.*	0.000%	0.000%	2.000%	0.000%	0.000%	0.000%	0.000%	0.000%	Read & Stevens/PR Support
Carolyn Beall*	0.000%	0.000%	2.000%	0.000%	0.000%	0.000%	0.000%	0.000%	Read & Stevens/PR Support
Tierra Encantada*	0.000%	0.000%	2.000%	0.000%	0.000%	0.000%	0.000%	0.000%	Read & Stevens/PR Support
David Luna*	0.000%	0.000%	2.000%	0.000%	0.000%	0.000%	0.000%	0.000%	Neutral
Warren Associates*	0.000%	0.000%	2.000%	0.000%	0.000%	0.000%	0.000%	0.000%	Neutral
Cimarex Energy*	0.000%	0.000%	0.000%	20.895%	20.895%	0.000%	0.000%	0.000%	Cimarex Owned
Moore & Shelton*	0.000%	0.000%	0.000%	2.250%	2.250%	2.250%	2.250%	2.250%	Neutral
Lindys Living Trust*	0.000%	0.000%	0.000%	3.813%	3.813%	3.813%	3.813%	3.813%	Term Assigned to Javelina/Zorr
Challenger Crude*	0.000%	0.000%	0.000%	3.210%	3.210%	3.210%	3.210%	3.210%	Neutral
Avalon Energy Corp	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	Permian Resources Owned
Marks Oil*	0.000%	0.000%	0.000%	0.000%	0.000%	3.134%	3.134%	3.134%	Neutral
Prime Rock*	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	Neutral
Wilbanks Reserve*	0.000%	0.000%	0.000%	0.000%	0.000%	17.761%	17.761%	0.000%	Neutral
Buccholz (Union Hill)*	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	5.000%	5.000%	Neutral
Totals:	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	

^{*}All ownership information obtained from 2023 title opinions and reports

^{*}Contractual Rights separate *Status is of to best knowledge





^{*}All ownership information obtained from 2023 title opinions and reports

Joker – W2W2 Equivalent – Cases 23516 & 23520 Bone Spring & Wolfcamp Formations (Sections 5 & 8)



Joker – W2W2 of Sections 4 & 9 (320.01 Gross Acres) – TRACT-BY-TRACT DOI

	Joker - W2W2 -	BONE SPRING -	Tract-by-Tract DC	OI - Case 23516	Joker - W2W2	- WOLFCAMP -	Tract-by-Tract DO	I - Case 23520	
Owner	Section 5: Lot 4, SWNW	Section 5: W2SW	Section 8: W2SW, NWNW	Section 8: SWNW	Section 5: Lot 4, SWNW	Section 5: W2SW	Section 8: W2SW, NWNW	Section 8: SWNW	Status
MRC Permian*	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	Neutral
HOG Partnership LP*	0.000%	5.000%	5.000%	5.000%	0.000%	5.000%	5.000%	5.000%	Neutral
Northern Oil & Gas*	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	Supports R&S Co-Development
Javelina Partners*	0.000%	6.354%	6.354%	6.354%	0.000%	6.354%	6.354%	6.354%	Assumed Cimarex Support
Zorro Partners, Ltd.*	0.000%	2.542%	2.542%	2.542%	0.000%	2.542%	2.542%	2.542%	Assumed Cimarex Support
Delmar Hudson Trust*	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	Term Assigned to Cimarex
First Century	0.000%	3.436%	2.100%	10.741%	0.000%	7.443%	5.662%	17.331%	Permian Resources Owned
Read & Stevens	86.000%	21.209%	18.795%	19.414%	86.000%	28.452%	25.233%	31.325%	Permian Resources Owned
CBR Oil Prop*	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	Read & Stevens/PR Support
Ard Oil*	0.000%	1.906%	1.906%	1.906%	0.000%	1.906%	1.906%	1.906%	Read & Stevens/PR Support
Josephine Hudson Trust*	0.000%	0.635%	0.635%	0.635%	0.000%	0.635%	0.635%	0.635%	Neutral
Magnum Hunter*	0.000%	40.000%	32.500%	32.500%	0.000%	17.500%	17.500%	17.500%	Cimarex Owned
CLM Production Co*	0.000%	0.000%	0.000%	0.000%	2.000%	0.000%	0.000%	0.000%	Read & Stevens/PR Support
Highland (Texas) Energy*	6.000%	0.000%	0.000%	0.000%	2.000%	0.000%	0.000%	0.000%	Neutral
Diamond Star Prod.*	2.000%	0.000%	0.000%	0.000%	2.000%	0.000%	0.000%	0.000%	Read & Stevens/PR Support
Carolyn Beall*	2.000%	0.000%	0.000%	0.000%	2.000%	0.000%	0.000%	0.000%	Read & Stevens/PR Support
Tierra Encantada*	2.000%	0.000%	0.000%	0.000%	2.000%	0.000%	0.000%	0.000%	Read & Stevens/PR Support
David Luna*	2.000%	0.000%	0.000%	0.000%	2.000%	0.000%	0.000%	0.000%	Neutral
Warren Associates*	0.000%	0.000%	0.000%	0.000%	2.000%	0.000%	0.000%	0.000%	Neutral
Cimarex Energy*	0.000%	9.645%	0.000%	0.000%	0.000%	20.895%	0.000%	0.000%	Cimarex Owned
Moore & Shelton*	0.000%	2.250%	2.250%	2.250%	0.000%	2.250%	2.250%	2.250%	Neutral
Lindys Living Trust*	0.000%	3.813%	3.813%	3.813%	0.000%	3.813%	3.813%	3.813%	Term Assigned to Javelina/Zorro
Challenger Crude*	0.000%	3.210%	3.210%	3.210%	0.000%	3.210%	3.210%	3.210%	Neutral
Avalon Energy Corp	0.000%	0.000%	0.000%	5.000%	0.000%	0.000%	0.000%	0.000%	Permian Resources Owned
Marks Oil*	0.000%	0.000%	1.634%	1.634%	0.000%	0.000%	3.134%	3.134%	Neutral
Prime Rock*	0.000%	0.000%	5.000%	0.000%	0.000%	0.000%	0.000%	0.000%	Neutral
Wilbanks Reserve*	0.000%	0.000%	9.261%	0.000%	0.000%	0.000%	17.761%	0.000%	Neutral
Buccholz (Union Hill)*	0.000%	0.000%	5.000%	5.000%	0.000%	0.000%	5.000%	5.000%	Neutral
Totals:	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	

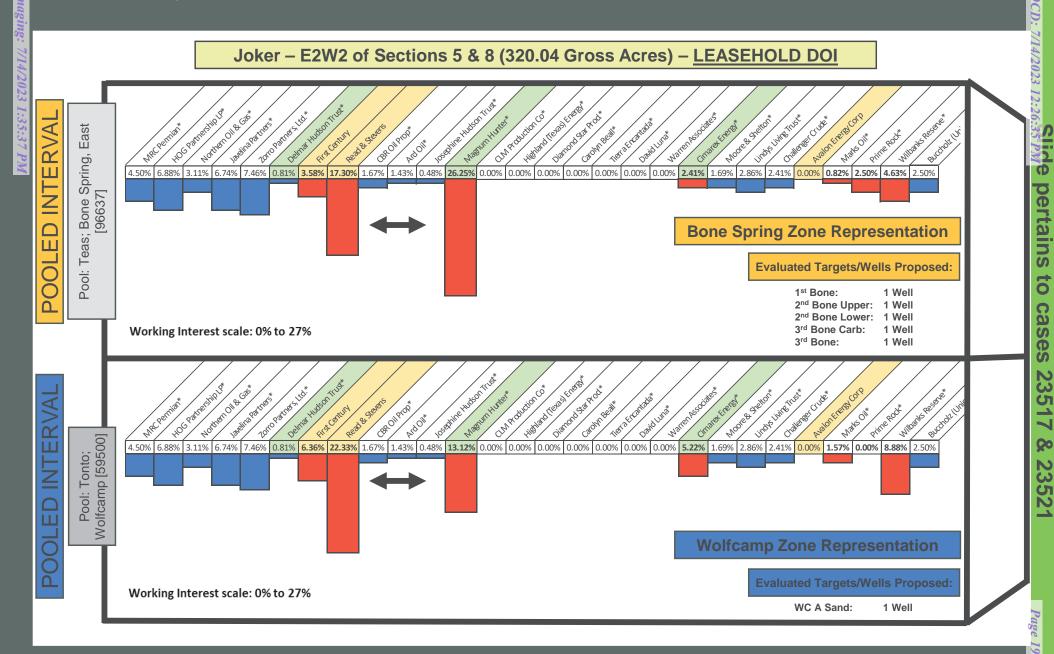
Pool: Teas; Bone Spring, East [96637]

Pool: Tonto; Wolfcamp [59500]

7/14/2023 12:26:35 PMe pertains to cases 23516 & 23520

Joker – E2W2 Equivalent – Cases 23517 & 23521 Bone Spring & Wolfcamp Formations (Sections 5 & 8)





^{*}All ownership information obtained from 2023 title opinions and reports

Joker – E2W2 Equivalent – Cases 23517 & 23521 Bone Spring & Wolfcamp Formations (Sections 5 & 8)



Joker – E2W2 of Sections 4 & 9 (320.04 Gross Acres) – TRACT-BY-TRACT DOI

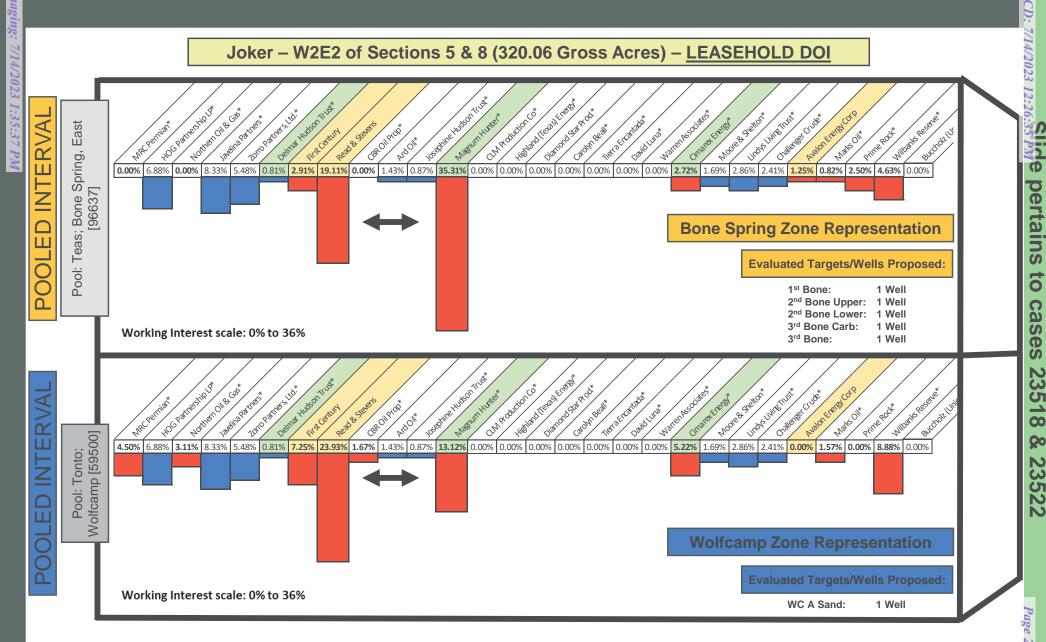
	Joker - E2W2 - BONE	SPRING - Tract-by-Ti	ract DOI - Case 23517	Joker - E2W2 - WOL	FCAMP - Tract-by-Tra	act DOI - Case 23521	
	Section 5: Lot 3 &			Section 5: Lot 3 &			
Owner	SENW	Section 5: E2SW	Section 8: E2W2	SENW	Section 5: E2SW	Section 8: E2W2	Status
MRC Permian*	17.997%	0.000%	0.000%	17.997%	0.000%	0.000%	Neutral
HOG Partnership LP*	12.500%	5.000%	5.000%	12.500%	5.000%	5.000%	Neutral
Northern Oil & Gas*	12.422%	0.000%	0.000%	12.422%	0.000%	0.000%	Supports R&S Co-Development
Javelina Partners*	7.915%	6.354%	6.354%	7.915%	6.354%	6.354%	Assumed Cimarex Support
Zorro Partners, Ltd.*	22.212%	2.542%	2.542%	22.212%	2.542%	2.542%	Assumed Cimarex Support
Delmar Hudson Trust*	3.232%	0.000%	0.000%	3.232%	0.000%	0.000%	Term Assigned to Cimarex
First Century	6.666%	3.436%	2.100%	6.666%	7.443%	5.662%	Permian Resources Owned
Read & Stevens	10.391%	21.209%	18.795%	10.391%	28.452%	25.233%	Permian Resources Owned
CBR Oil Prop*	6.666%	0.000%	0.000%	6.666%	0.000%	0.000%	Read & Stevens/PR Support
Ard Oil*	0.000%	1.906%	1.906%	0.000%	1.906%	1.906%	Read & Stevens/PR Support
Josephine Hudson Trust*	0.000%	0.635%	0.635%	0.000%	0.635%	0.635%	Neutral
Magnum Hunter*	0.000%	40.000%	32.500%	0.000%	17.500%	17.500%	Cimarex Owned
CLM Production Co*	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	Read & Stevens/PR Support
Highland (Texas) Energy*	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	Neutral
Diamond Star Prod.*	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	Read & Stevens/PR Support
Carolyn Beall*	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	Read & Stevens/PR Support
Tierra Encantada*	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	Read & Stevens/PR Support
David Luna*	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	Neutral
Warren Associates*	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	Read & Stevens/PR Support
Cimarex Energy*	0.000%	9.645%	0.000%	0.000%	20.895%	0.000%	Cimarex Owned
Moore & Shelton*	0.000%	2.250%	2.250%	0.000%	2.250%	2.250%	Neutral
Lindys Living Trust*	0.000%	3.813%	3.813%	0.000%	3.813%	3.813%	Term Assigned to Javelina/Zorro
Challenger Crude*	0.000%	3.210%	3.210%	0.000%	3.210%	3.210%	Neutral
Avalon Energy Corp	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	Permian Resources Owned
Marks Oil*	0.000%	0.000%	1.634%	0.000%	0.000%	3.134%	Neutral
Prime Rock*	0.000%	0.000%	5.000%	0.000%	0.000%	0.000%	Neutral
Wilbanks Reserve*	0.000%	0.000%	9.261%	0.000%	0.000%	17.761%	Neutral
Buccholz (Union Hill)*	0.000%	0.000%	5.000%	0.000%	0.000%	5.000%	Neutral
Totals:	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	

Pool: Teas; Bone Spring, East [96637]

Pool: Tonto; Wolfcamp [59500]

Slide pertains to cases 23517 & 2352





^{*}All ownership information obtained from 2023 title opinions and reports

Joker – W2E2 Equivalent – Cases 23518 & 23522 Bone Spring & Wolfcamp Formations (Sections 5 & 8)



Joker – W2E2 of Sections 4 & 9 (320.06 Gross Acres) – TRACT-BY-TRACT DOI

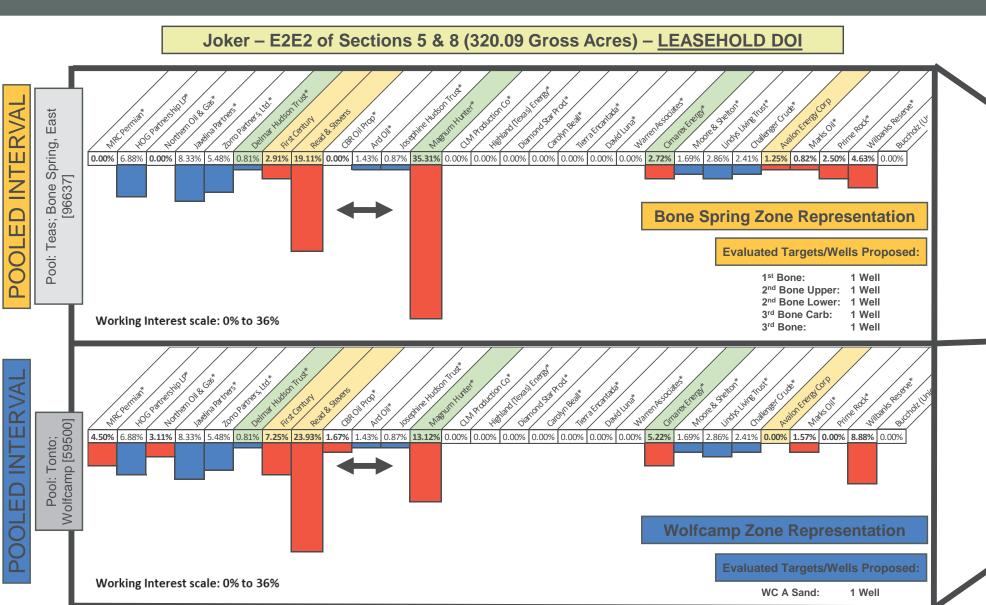
	Joker – W2E	<u> </u>					
	Joker - W2E2 - BONF	SPRING - Tract-by-T	Fract DOI - Case 23518	Joker - W2E2 - WO	LFCAMP - Tract-by-Tra	act DOI - Case 23522	
Owner	Section 5: W2NE	Section 5: W2SE	Section 8: W2E2	Section 5: W2NE	Section 5: W2SE	Section 8: W2E2	Status
MRC Permian*	0.000%	0.000%	0.000%	17.997%	0.000%	0.000%	Neutral
HOG Partnership LP*	12.500%	5.000%	5.000%	12.500%	5.000%	5.000%	Neutral
Northern Oil & Gas*	0.000%	0.000%	0.000%	12.422%	0.000%	0.000%	Supports R&S Co-Development
Javelina Partners*	14.269%	6.354%	6.354%	14.269%	6.354%	6.354%	Assumed Cimarex Support
Zorro Partners, Ltd.*	14.269%	2.542%	2.542%	14.269%	2.542%	2.542%	Assumed Cimarex Support
Delmar Hudson Trust*	3.232%	0.000%	0.000%	3.232%	0.000%	0.000%	Term Assigned to Cimarex
First Century	0.000%	3.881%	3.881%	6.666%	7.443%	7.443%	Permian Resources Owned
Read & Stevens	10.391%	22.014%	22.014%	10.391%	28.452%	28.452%	Permian Resources Owned
CBR Oil Prop*	0.000%	0.000%	0.000%	6.666%	0.000%	0.000%	Read & Stevens/PR Support
Ard Oil*	0.000%	1.906%	1.906%	0.000%	1.906%	1.906%	Read & Stevens/PR Support
Josephine Hudson Trust*	1.589%	0.635%	0.635%	1.589%	0.635%	0.635%	Neutral
Magnum Hunter*	43.750%	32.500%	32.500%	0.000%	17.500%	17.500%	Cimarex Owned
CLM Production Co*	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	Read & Stevens/PR Support
Highland (Texas) Energy*	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	Neutral
Diamond Star Prod.*	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	Read & Stevens/PR Support
Carolyn Beall*	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	Read & Stevens/PR Support
Tierra Encantada*	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	Read & Stevens/PR Support
David Luna*	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	Neutral
Warren Associates*	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	Read & Stevens/PR Support
Cimarex Energy*	0.000%	10.895%	0.000%	0.000%	20.895%	0.000%	Cimarex Owned
Moore & Shelton*	0.000%	2.250%	2.250%	0.000%	2.250%	2.250%	Neutral
Lindys Living Trust*	0.000%	3.813%	3.813%	0.000%	3.813%	3.813%	Term Assigned to Javelina/Zorro
Challenger Crude*	0.000%	3.210%	3.210%	0.000%	3.210%	3.210%	Neutral
Avalon Energy Corp	0.000%	5.000%	0.000%	0.000%	0.000%	0.000%	Permian Resources Owned
Marks Oil*	0.000%	0.000%	1.634%	0.000%	0.000%	3.134%	Neutral
Prime Rock*	0.000%	0.000%	5.000%	0.000%	0.000%	0.000%	Neutral
Wilbanks Reserve*	0.000%	0.000%	9.261%	0.000%	0.000%	17.761%	Neutral
Buccholz (Union Hill)*	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	Neutral
Totals:	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	

Pool: Teas; Bone Spring, East [96637]

Pool: Tonto; Wolfcamp [59500]

Joker – E2E2 Equivalent – Cases 23519 & 23523 Bone Spring & Wolfcamp Formations (Sections 5 & 8)





Joker – E2E2 Equivalent – Cases 23519 & 23523 Bone Spring & Wolfcamp Formations (Sections 5 & 8)



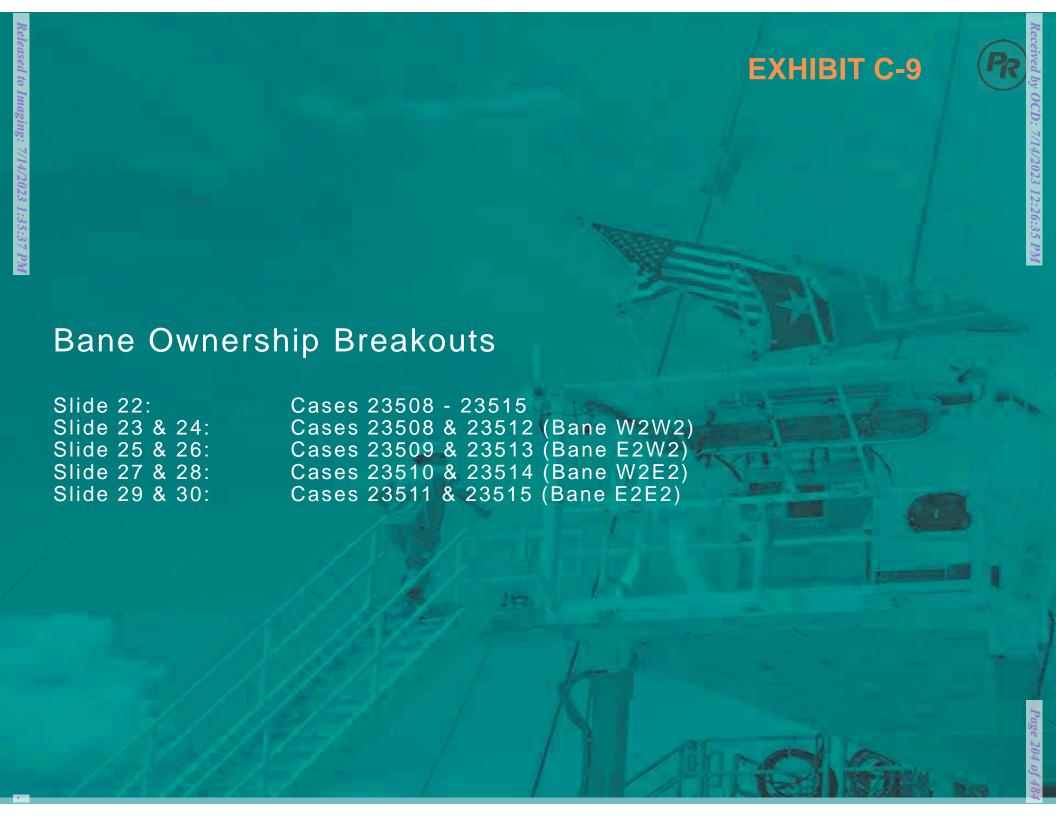
Joker - E2E2 of Sections 4 & 9 (320.09 Gross Acres) - TRACT-BY-TRACT DOI

			•				
	Joker - E2E2 - BONE	SPRING - Tract-by-Tr	ract DOI - Case 23519	Joker - E2E2 - WOLI	CAMP - Tract-by-Tra	act DOI - Case 23523	
Owner	Section 5: E2NE	Section 5: E2SE	Section 8: E2E2	Section 5: E2NE	Section 5: E2SE	Section 8: E2E2	Status
MRC Permian*	0.000%	0.000%	0.000%	17.997%	0.000%	0.000%	Neutral
HOG Partnership LP*	12.500%	5.000%	5.000%	12.500%	5.000%	5.000%	Neutral
Northern Oil & Gas*	0.000%	0.000%	0.000%	12.422%	0.000%	0.000%	Supports R&S Co-Development
Javelina Partners*	14.269%	6.354%	6.354%	14.269%	6.354%	6.354%	Assumed Cimarex Support
Zorro Partners, Ltd.*	14.269%	2.542%	2.542%	14.269%	2.542%	2.542%	Assumed Cimarex Support
Delmar Hudson Trust*	3.232%	0.000%	0.000%	3.232%	0.000%	0.000%	Term Assigned to Cimarex
First Century	0.000%	3.881%	3.881%	6.666%	7.443%	7.443%	Permian Resources Owned
Read & Stevens	10.391%	22.014%	22.014%	10.391%	28.452%	28.452%	Permian Resources Owned
CBR Oil Prop*	0.000%	0.000%	0.000%	6.666%	0.000%	0.000%	Read & Stevens/PR Support
Ard Oil*	0.000%	1.906%	1.906%	0.000%	1.906%	1.906%	Read & Stevens/PR Support
Josephine Hudson Trust*	1.589%	0.635%	0.635%	1.589%	0.635%	0.635%	Neutral
Magnum Hunter*	43.750%	32.500%	32.500%	0.000%	17.500%	17.500%	Cimarex Owned
CLM Production Co*	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	Read & Stevens/PR Support
Highland (Texas) Energy*	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	Neutral
Diamond Star Prod.*	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	Read & Stevens/PR Support
Carolyn Beall*	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	Read & Stevens/PR Support
Tierra Encantada*	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	Read & Stevens/PR Support
David Luna*	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	Neutral
Warren Associates*	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	Read & Stevens/PR Support
Cimarex Energy*	0.000%	10.895%	0.000%	0.000%	20.895%	0.000%	Cimarex Owned
Moore & Shelton*	0.000%	2.250%	2.250%	0.000%	2.250%	2.250%	Neutral
Lindys Living Trust*	0.000%	3.813%	3.813%	0.000%	3.813%	3.813%	Term Assigned to Javelina/Zorro
Challenger Crude*	0.000%	3.210%	3.210%	0.000%	3.210%	3.210%	Neutral
Avalon Energy Corp	0.000%	5.000%	0.000%	0.000%	0.000%	0.000%	Permian Resources Owned
Marks Oil*	0.000%	0.000%	1.634%	0.000%	0.000%	3.134%	Neutral
Prime Rock*	0.000%	0.000%	5.000%	0.000%	0.000%	0.000%	Neutral
Wilbanks Reserve*	0.000%	0.000%	9.261%	0.000%	0.000%	17.761%	Neutral
Buccholz (Union Hill)*	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	Neutral
Totals:	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	

Pool: Teas; Bone Spring, East [96637]

Pool: Tonto; Wolfcamp [59500]

7/14/2023 12:26:35 PMe pertains to cases 23519 & 23523



Bane - Ownership Breakout — Cases 23508 - 23515 Bone Spring & Wolfcamp Formations (Sections 4 & 9)



Sulphy Man

to

cases

23508

through

2351

"As-Pooled" AND "Tract-by-Tract" Leasehold Ownership - BONE SPRING											
						Section 4:					
	W2W2	E2W2	W2E2	E2E2	Sec 4: N/2	N2S2, S2SW,	Section 4:	Section 9:	Section 9:	Section 9:	
Owner	Case 23508	Case 23509	Case 23510	Case 23511	Equiv.	SWSE	SESE	W2	SE	NE	Status
Delmar Hudson Trust*	6.0798%	6.0901%	6.0999%	6.1102%	20.4688%	3.8125%	3.8125%	0.0000%	0.0000%	0.0000%	Term Assigned to Cimarex
Lindys Living Trust (Hudson)*	7.9848%	7.9937%	8.0023%	8.0112%	20.4688%	3.8125%	3.8125%	3.8125%	3.8125%	3.8125%	Term Assigned to Zorro/Javelina
Javelina Partners*	9.1019%	9.1052%	8.1727%	8.1767%	13.6458%	2.5417%	2.5417%	10.1042%	6.3542%	10.1042%	Assumed Cimarex Support
Zorro Partners*	5.3232%	5.3291%	5.3348%	5.3408%	13.6458%	2.5417%	2.5417%	2.5417%	2.5417%	2.5417%	Assumed Cimarex Support
Josephine Hudson Trust*	1.3308%	1.3323%	1.3337%	1.3352%	3.4115%	0.6354%	0.6354%	0.6354%	0.6354%	0.6354%	Neutral
Ard Oil*	3.9924%	3.9969%	4.0011%	4.0056%	10.2344%	1.9063%	1.9063%	1.9063%	1.9063%	1.9063%	Read & Stevens/PR Support
Moore & Shelton*	3.0954%	3.0972%	3.0990%	3.1008%	5.6250%	2.2500%	2.2500%	2.2500%	2.2500%	2.2500%	Neutral
HOG Partnership LP*	4.3803%	4.3862%	5.6392%	5.6441%	12.5000%	5.0000%	5.0000%	0.0000%	5.0000%	0.0000%	Neutral
Read & Stevens	23.0056%	22.9890%	25.9483%	25.9297%	0.0000%	35.1783%	35.1783%	28.4522%	35.1188%	33.7104%	Permian Resources Owned
First Century Oil	6.5082%	6.5035%	8.1451%	8.1392%	0.0000%	11.1642%	11.1642%	7.4428%	11.1313%	10.3521%	Permian Resources Owned
Foran Oil Co*	4.3721%	4.3690%	4.3660%	2.1814%	0.0000%	17.5000%	0.0000%	0.0000%	0.0000%	0.0000%	Neutral
Chase Oil Co*	2.6102%	2.6083%	2.6065%	2.6046%	0.0000%	10.4475%	10.4475%	0.0000%	0.0000%	0.0000%	Neutral
Buccholz (Union Hill)	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	Neutral (No Leasehold)
Magnum Hunter*	8.7443%	8.7380%	8.7320%	10.9072%	0.0000%	0.0000%	17.5000%	17.5000%	17.5000%	17.5000%	Cimarex Owned
Cimarex*	10.4406%	10.4331%	7.4066%	7.4013%	0.0000%	0.0000%	0.0000%	20.8950%	13.7500%	15.9375%	Cimarex Owned
William A. Hudson II*	0.6246%	0.6241%	0.3119%	0.3116%	0.0000%	0.0000%	0.0000%	1.2500%	0.0000%	1.2500%	Assigned to Zorro
Challenger Crude, Ltd.*	2.4060%	2.4042%	0.8009%	0.8003%	0.0000%	3.2101%	3.2101%	3.2101%	0.0000%	0.0000%	Neutral
Totals:	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	
			"As-Pooled"	AND "Tract-by-	Tract" <u>Lease</u>	<u>hold</u> Ownersh	nip - WOLFC	AMP			
						Section 4:					
	W2W2	E2W2	W2E2	E2E2	Sec 4: N/	2 N2S2, S2SW	, Section 4	: Section 9	: Section 9	: Section 9	
Owner	Case 23512	Case 23513	Case 23514	Case 23515	Equiv.	SWSE	SESE	W2	SE	NE	Status
Delmar Hudson Trust*	6.0798%	6.0901%	6.0999%	6.1102%	20.4688%		3.8125%		0.0000%	0.0000%	Term Assigned to Cimarex
Lindys Living Trust (Hudson)*	7.9848%	7.9937%	8.0023%	8.0112%	20.4688%		3.8125%		3.8125%	3.8125%	Term Assigned to Zorro/Javelina
Javelina Partners*	7.2282%	7.2328%	7.2372%	7.2418%	13.6458%		2.5417%	+	6.3542%	6.3542%	Assumed Cimarex Support
Zorro Partners*	5.3232%	5.3291%	5.3348%	5.3408%	13.6458%		2.5417%	+	2.5417%	2.5417%	Assumed Cimarex Support
Josephine Hudson Trust*	1.3308%	1.3323%	1.3337%	1.3352%	3.4115%		0.6354%		0.6354%	0.6354%	Neutral
Ard Oil*	3.9924%	3.9969%	4.0011%	4.0056%	10.2344%		1.9063%	+	1.9063%	1.9063%	Read & Stevens/PR Support
Moore & Shelton*	3.0954%	3.0972%	3.0990%	3.1008%	5.6250%		2.2500%	+	2.2500%	2.2500%	Neutral
HOG Partnership LP*	6.8787%	6.8827%	6.8866%	6.8906%	12.5000%		5.0000%		5.0000%	5.0000%	Neutral
Read & Stevens	23.0056%	22.9890%	25.9483%	25.9297%	0.0000%		35.1783%				
First Century Oil	6.5082%	6.5035%	8.1451%	8.1392%	0.0000%		11.1642%	_	11.1313%		
Foran Oil Co*	4.3721%	4.3690%	4.3660%	2.1814%	0.0000%	+	0.0000%		0.0000%	0.0000%	Neutral
Chase Oil Co*	2.6102%	2.6083%	2.6065%	2.6046%	0.0000%		10.4475%	_	0.0000%	0.0000%	Neutral
Buccholz (Union Hill)	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	Neutral (No Leasehold)

0.0000%

0.0000%

0.0000%

0.0000%

100.00%

0.0000%

0.0000%

0.0000%

3.2101%

100.00%

10.9072%

7.4013%

0.0000%

0.8003%

100.00%

Read & Stevens Plan Supports:

- Meaningful development of Bone Spring Formation & Wolfcamp Formations backed by real-time data and scientific tests
- Protection of correlative rights
- Prevention of economic and resource waste
- Proper & thoughtful alignment of pool rules with development plans

Cimarex Plan Supports:

- More simple assumption of easier development plan
- Violation of correlative rights
- Resource & economic waste of all interest owners
- Unclear pooling and development plans based on stated intent to deplete Wolfcamp utilizing Bone Spring landings

8.7443%

10.4406%

0.0000%

2.4060%

100.00%

Magnum Hunter*

Cimarex*

William A. Hudson II

Challenger Crude, Ltd.*

Totals:

8.7380%

10.4331%

0.0000%

2.4042%

100.00%

8.7320%

7.4066%

0.0000%

0.8009%

100.00%

17.5000%

0.0000%

0.0000%

3.2101%

100.00%

17.5000%

20.8950%

0.0000%

3.2101%

100.00%

17.5000%

13.7500%

0.0000%

0.0000%

100.00%

17.5000%

15.9375%

0.0000%

0.0000%

100.00%

Cimarex Owned

Cimarex Owned

Assigned to Zorro

Neutral

^{*}All ownership information obtained from 2023 title opinions and reports

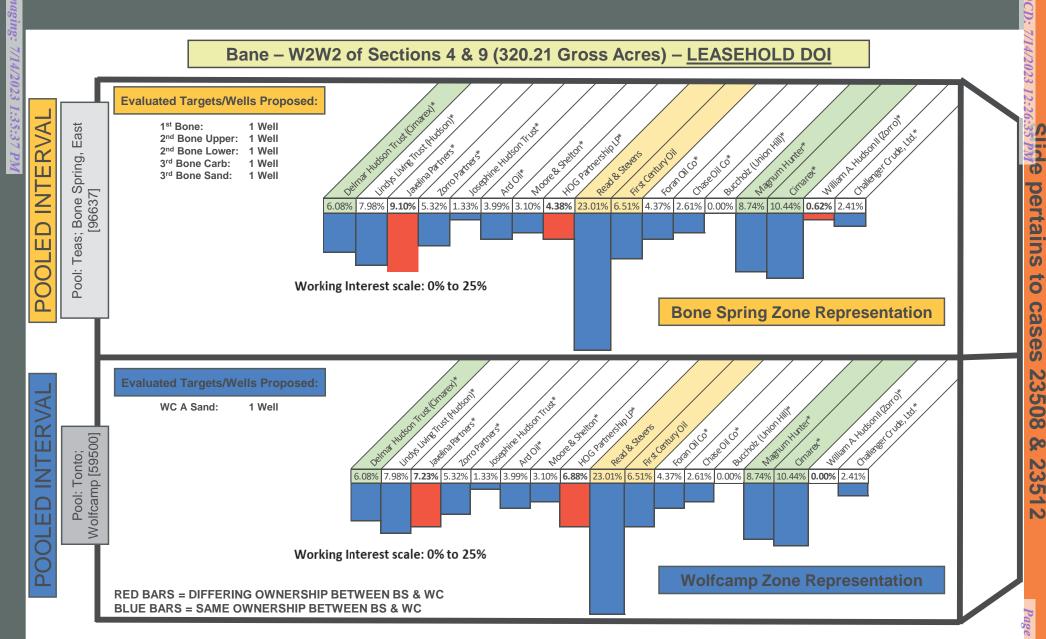
^{*}Please note ownership differences between Bone Spring and Wolfcamp formations - BOLD *Union Hill interest Contractual only in Bane

^{*}Asterisk denotes pooled party

^{*}Status is of to best knowledge *Contractual Rights separate

Bane – W2W2 Equivalent – Cases 23508 & 23512 Bone Spring & Wolfcamp Formations (Sections 4 & 9)





Bane – W2W2 Equivalent – Cases 23508 & 23512 Bone Spring & Wolfcamp Formations (Sections 4 & 9)



Bane – W2W2 of Sections 4 & 9 (320.21 Gross Acres) – TRACT-BY-TRACT DOI

East ; Bone Spring, F [96637]

Pool: Teas;

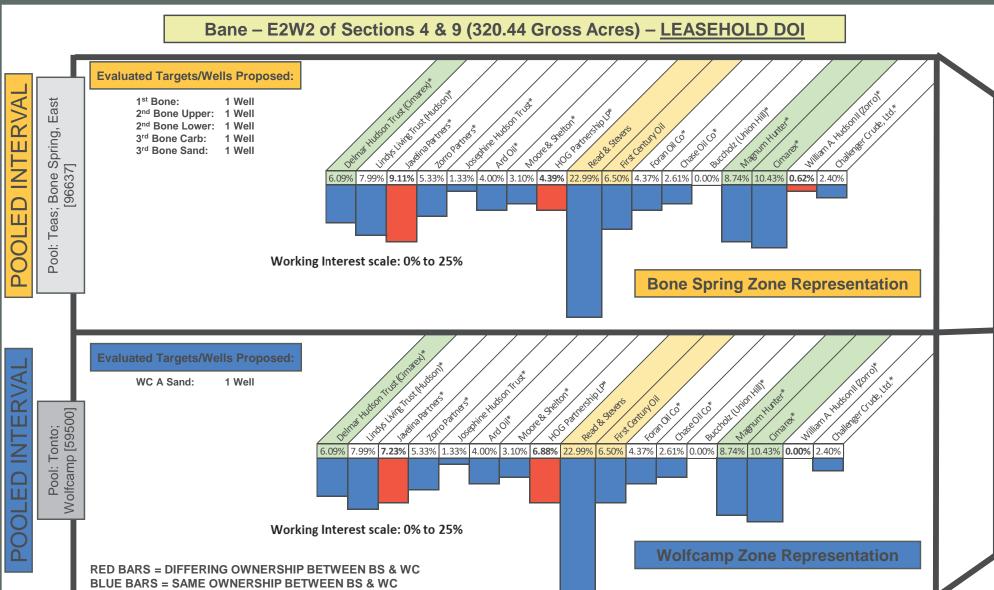
Wolfcamp [59500] Pool: Tonto;

Bane - W2W2 - BONE SPRING - Tract-by-Tract DOI - Case 23508									
Owner	Sec 4: Lot 4, SWNW	Section 4: W2SW	Section 9: W2W2	Status					
Delmar Hudson Trust*	20.4688%	3.8125%	0.0000%	Term Assigned to Cimarex					
Lindys Living Trust (Hudson)*	20.4688%	3.8125%	3.8125%	Term Assigned to Zorro/Javelina					
Javelina Partners*	13.6458%	2.5417%	10.1042%	Cimarex Support					
Zorro Partners*	13.6458%	2.5417%	2.5417%	Cimarex Support					
Josephine Hudson Trust*	3.4115%	0.6354%	0.6354%	Neutral					
Ard Oil*	10.2344%	1.9063%	1.9063%	Neutral					
Moore & Shelton*	5.6250%	2.2500%	2.2500%	Neutral					
HOG Partnership LP*	12.5000%	5.0000%	0.0000%	Neutral					
Read & Stevens	0.0000%	35.1783%	28.4522%	Permian Resources Owned					
First Century Oil	0.0000%	11.1642%	7.4428%	Permian Resources Owned					
Foran Oil Co*	0.0000%	17.5000%	0.0000%	Neutral					
Chase Oil Co*	0.0000%	10.4475%	0.0000%	Neutral					
Buccholz (Union Hill)	0.0000%	0.0000%	0.0000%	Neutral (No Leasehold)					
Magnum Hunter*	0.0000%	0.0000%	17.5000%	Cimarex Owned					
Cimarex*	0.0000%	0.0000%	20.8950%	Cimarex Owned					
William A. Hudson II*	0.0000%	0.0000%	1.2500%	Assigned to Zorro					
Challenger Crude, Ltd.*	0.0000%	3.2101%	3.2101%	Neutral					
Totals:	100.00%	100.00%	100.00%						

bane - wzwz - wotrcawie - tract-by-tract bot - case zssiz								
Owner	Sec 4: Lot 4, SWNW	Section 4: W2SW	Section 9: W2W2	Status				
Delmar Hudson Trust*	20.4688%	3.8125%	0.0000%	Term Assigned to Cimarex				
Lindys Living Trust (Hudson)*	20.4688%	3.8125%	3.8125%	Term Assigned to Zorro/Javelina				
Javelina Partners*	13.6458%	2.5417%	6.3542%	Cimarex Support				
Zorro Partners*	13.6458%	2.5417%	2.5417%	Cimarex Support				
Josephine Hudson Trust*	3.4115%	0.6354%	0.6354%	Neutral				
Ard Oil*	10.2344%	1.9063%	1.9063%	Neutral				
Moore & Shelton*	5.6250%	2.2500%	2.2500%	Neutral				
HOG Partnership LP*	12.5000%	5.0000%	5.0000%	Neutral				
Read & Stevens	0.0000%	35.1783%	28.4522%	Permian Resources Owned				
First Century Oil	0.0000%	11.1642%	7.4428%	Permian Resources Owned				
Foran Oil Co*	0.0000%	17.5000%	0.0000%	Neutral				
Chase Oil Co*	0.0000%	10.4475%	0.0000%	Neutral				
Buccholz (Union Hill)	0.0000%	0.0000%	0.0000%	Neutral (No Leasehold)				
Magnum Hunter*	0.0000%	0.0000%	17.5000%	Cimarex Owned				
Cimarex*	0.0000%	0.0000%	20.8950%	Cimarex Owned				
William A. Hudson II*	0.0000%	0.0000%	0.0000%	Assigned to Zorro				
Challenger Crude, Ltd.*	0.0000%	3.2101%	3.2101%	Neutral				
Totals:	100.00%	100.00%	100.00%					

Bane – E2W2 Equivalent – Cases 23509 & 23513 Bone Spring & Wolfcamp Formations (Sections 4 & 9)





Bane – E2W2 Equivalent – Cases 23509 & 23513 Bone Spring & Wolfcamp Formations (Sections 4 & 9)



Bane – E2W2 of Sections 4 & 9 (320.44 Gross Acres) – TRACT-BY-TRACT DOI

East ; Bone Spring, I [96637]

Pool: Teas;

Wolfcamp [59500] Pool: Tonto;

Bane - E2W2 - BONE SPRING - Tract-by-Tract DOI - Case 23509									
Owner	Sec 4: Lot 3, SENW	Section 4: E2SW	Section 9: E2W2	Status					
Delmar Hudson Trust*	20.4688%	3.8125%	0.0000%	Term Assigned to Cimarex					
Lindys Living Trust (Hudson)*	20.4688%	3.8125%	3.8125%	Term Assigned to Zorro/Javelina					
Javelina Partners*	13.6458%	2.5417%	10.1042%	Cimarex Support					
Zorro Partners*	13.6458%	2.5417%	2.5417%	Cimarex Support					
Josephine Hudson Trust*	3.4115%	0.6354%	0.6354%	Neutral					
Ard Oil*	10.2344%	1.9063%	1.9063%	Neutral					
Moore & Shelton*	5.6250%	2.2500%	2.2500%	Neutral					
HOG Partnership LP*	12.5000%	5.0000%	0.0000%	Neutral					
Read & Stevens	0.0000%	35.1783%	28.4522%	Permian Resources Owned					
First Century Oil	0.0000%	11.1642%	7.4428%	Permian Resources Owned					
Foran Oil Co*	0.0000%	17.5000%	0.0000%	Neutral					
Chase Oil Co*	0.0000%	10.4475%	0.0000%	Neutral					
Buccholz (Union Hill)	0.0000%	0.0000%	0.0000%	Neutral (No Leasehold)					
Magnum Hunter*	0.0000%	0.0000%	17.5000%	Cimarex Owned					
Cimarex*	0.0000%	0.0000%	20.8950%	Cimarex Owned					
William A. Hudson II*	0.0000%	0.0000%	1.2500%	Assigned to Zorro					
Challenger Crude, Ltd.*	0.0000%	3.2101%	3.2101%	Neutral					
Totals:	100.00%	100.00%	100.00%						

Bane - E2W2 - WOLFCAMP - Tract-by-Tract DOI - Case 23513						
Owner	Sec 4: Lot 3, SENW	Section 4: E2SW	Section 9: E2W2	Status		
Delmar Hudson Trust*	20.4688%	3.8125%	0.0000%	Term Assigned to Cimarex		
Lindys Living Trust (Hudson)*	20.4688%	3.8125%	3.8125%	Term Assigned to Zorro/Javelina		
Javelina Partners*	13.6458%	2.5417%	6.3542%	Cimarex Support		
Zorro Partners*	13.6458%	2.5417%	2.5417%	Cimarex Support		
Josephine Hudson Trust*	3.4115%	0.6354%	0.6354%	Neutral		
Ard Oil*	10.2344%	1.9063%	1.9063%	Neutral		
Moore & Shelton*	5.6250%	2.2500%	2.2500%	Neutral		
HOG Partnership LP*	12.5000%	5.0000%	5.0000%	Neutral		
Read & Stevens	0.0000%	35.1783%	28.4522%	Permian Resources Owned		
First Century Oil	0.0000%	11.1642%	7.4428%	Permian Resources Owned		
Foran Oil Co*	0.0000%	17.5000%	0.0000%	Neutral		
Chase Oil Co*	0.0000%	10.4475%	0.0000%	Neutral		
Buccholz (Union Hill)	0.0000%	0.0000%	0.0000%	Neutral (No Leasehold)		
Magnum Hunter*	0.0000%	0.0000%	17.5000%	Cimarex Owned		
Cimarex*	0.0000%	0.0000%	20.8950%	Cimarex Owned		
William A. Hudson II*	0.0000%	0.0000%	0.0000%	Assigned to Zorro		
Challenger Crude, Ltd.*	0.0000%	3.2101%	3.2101%	Neutral		
Totals:	100.00%	100.00%	100.00%			

Bane – W2E2 Equivalent – Cases 23510 & 23514 Bone Spring & Wolfcamp Formations (Sections 4 & 9)





^{*}All ownership information obtained from 2023 title opinions and reports
*Please note ownership differences between Bone Spring and Wolfcamp formations

^{*}Contractual Rights separate *Asterisk denotes pooled party

23510

Bane – W2E2 Equivalent – Cases 23510 & 23514 Bone Spring & Wolfcamp Formations (Sections 4 & 9)



Bane - W2E2 of Sections 4 & 9 (320.66 Gross Acres) - TRACT-BY-TRACT DOI

East Pool: Teas; Bone Spring, 966371

one

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Bane - W2E2 - BONE SPRING - Tract-by-Tract DOI - Case 23510 Sec 4: Lot 2, SWNE Section 4: W2SE | Section 9: W2SE | Section 9: W2NE Status Owner Delmar Hudson Trust* 20.4688% 3.8125% 0.0000% 0.0000% Term Assigned to Cimarex Lindys Living Trust (Hudson)* 20.4688% 3.8125% 3.8125% 3.8125% Term Assigned to Zorro/Javelina 10.1042% Javelina Partners* 13.6458% 2.5417% 6.3542% Cimarex Support Zorro Partners* 13.6458% 2.5417% 2.5417% 2.5417% Cimarex Support Josephine Hudson Trust* 3.4115% 0.6354% 0.6354% 0.6354% Neutral Ard Oil* 10.2344% 1.9063% 1.9063% 1.9063% Neutral Moore & Shelton* 5.6250% 2.2500% 2.2500% 2.2500% Neutral **HOG Partnership LP*** 12.5000% 5.0000% 5.0000% 0.0000% Neutral Read & Stevens 0.0000% 35.1783% 35.1188% 33.7104% Permian Resources Owned 10.3521% First Century Oil 0.0000% 11.1642% 11.1313% Permian Resources Owned Foran Oil Co* 0.0000% 17.5000% 0.0000% 0.0000% Neutral Chase Oil Co* 0.0000% 10.4475% 0.0000% 0.0000% Neutral Buccholz (Union Hill) 0.0000% 0.0000% 0.0000% 0.0000% Neutral (No Leasehold) Magnum Hunter* 0.0000% 0.0000% 17.5000% 17.5000% Cimarex Owned Cimarex* 0.0000% 0.0000% 13.7500% 15.9375% Cimarex Owned William A. Hudson II* 0.0000% 0.0000% 0.0000% 1.2500% Assigned to Zorro Challenger Crude, Ltd.* 0.0000% 3.2101% 0.0000% 0.0000% Neutral Totals: 100.00% 100.00% 100.00% 100.00%

Pool: Tonto; Wolfcamp [59500]

Owner	Sec 4: Lot 2, NWNE	Section 4: W2SE	Section 9: W2SE	Section 9: W2NE	Status
Delmar Hudson Trust*	20.4688%	3.8125%	0.0000%	0.0000%	Term Assigned to Cimarex
Lindys Living Trust (Hudson)*	20.4688%	3.8125%	3.8125%	3.8125%	Term Assigned to Zorro/Javelina
Javelina Partners*	13.6458%	2.5417%	6.3542%	6.3542%	Cimarex Support
Zorro Partners*	13.6458%	2.5417%	2.5417%	2.5417%	Cimarex Support
Josephine Hudson Trust*	3.4115%	0.6354%	0.6354%	0.6354%	Neutral
Ard Oil*	10.2344%	1.9063%	1.9063%	1.9063%	Neutral
Moore & Shelton*	5.6250%	2.2500%	2.2500%	2.2500%	Neutral
HOG Partnership LP*	12.5000%	5.0000%	5.0000%	5.0000%	Neutral
Read & Stevens	0.0000%	35.1783%	35.1188%	33.7104%	Permian Resources Owned
First Century Oil	0.0000%	11.1642%	11.1313%	10.3521%	Permian Resources Owned
Foran Oil Co*	0.0000%	17.5000%	0.0000%	0.0000%	Neutral
Chase Oil Co*	0.0000%	10.4475%	0.0000%	0.0000%	Neutral
Buccholz (Union Hill)	0.0000%	0.0000%	0.0000%	0.0000%	Neutral (No Leasehold)
Magnum Hunter*	0.0000%	0.0000%	17.5000%	17.5000%	Cimarex Owned
Cimarex*	0.0000%	0.0000%	13.7500%	15.9375%	Cimarex Owned
William A. Hudson II*	0.0000%	0.0000%	0.0000%	0.0000%	Assigned to Zorro
Challenger Crude, Ltd.*	0.0000%	3.2101%	0.0000%	0.0000%	Neutral
Totals:	100.00%	100.00%	100.00%	100.00%	



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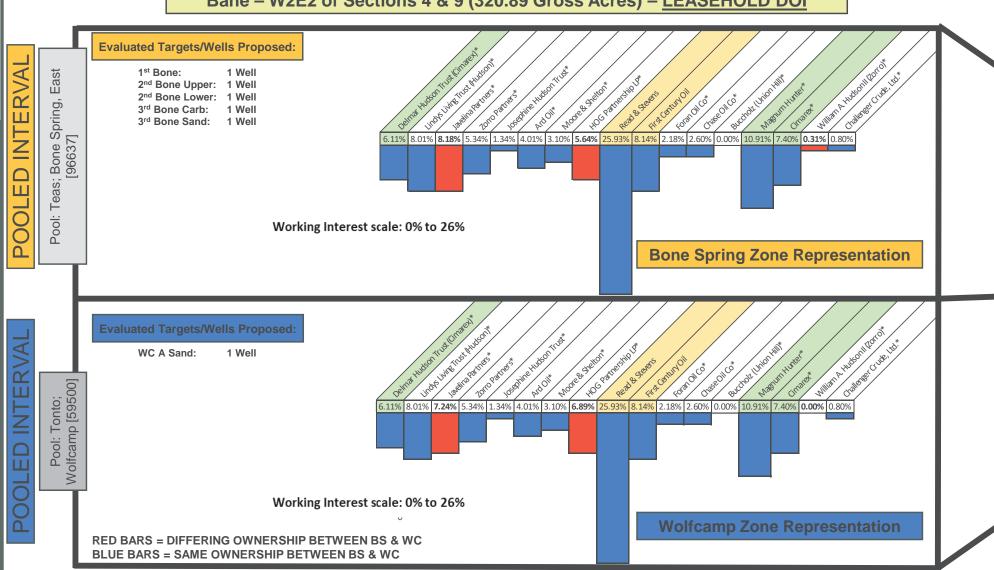
pertains

cases

23511

23515

Bane - W2E2 of Sections 4 & 9 (320.89 Gross Acres) - LEASEHOLD DOI



^{*}Contractual Rights separate *Asterisk denotes pooled party

Bane – E2E2 Equivalent – Cases 23511 & 23515 Bone Spring & Wolfcamp Formations (Sections 4 & 9)



Bane – E2E2 of Sections 4 & 9 (320.89 Gross Acres) – TRACT-BY-TRACT DOI

Pool: Teas; Bone Spring, East [96637]

Pool: Tonto; Wolfcamp [59500]

Bane - E2E2 - BONE SPRING - Tract-by-Tract DOI - Case 23511								
Owner	Sec 4: Lot 1, SENE	Section 4: NESE	Section 4: SESE	Section 9: E2SE	Section 9: E2NE	Status		
Delmar Hudson Trust*	20.4688%	3.8125%	3.8125%	0.0000%	0.0000%	Term Assigned to Cimarex		
Lindys Living Trust (Hudson)*	20.4688%	3.8125%	3.8125%	3.8125%	3.8125%	Term Assigned to Zorro/Javelina		
Javelina Partners*	13.6458%	2.5417%	2.5417%	6.3542%	10.1042%	Cimarex Support		
Zorro Partners*	13.6458%	2.5417%	2.5417%	2.5417%	2.5417%	Cimarex Support		
Josephine Hudson Trust*	3.4115%	0.6354%	0.6354%	0.6354%	0.6354%	Neutral		
Ard Oil*	10.2344%	1.9063%	1.9063%	1.9063%	1.9063%	Neutral		
Moore & Shelton*	5.6250%	2.2500%	2.2500%	2.2500%	2.2500%	Neutral		
HOG Partnership LP*	12.5000%	5.0000%	5.0000%	5.0000%	0.0000%	Neutral		
Read & Stevens	0.0000%	35.1783%	35.1783%	35.1188%	33.7104%	Permian Resources Owned		
First Century Oil	0.0000%	11.1642%	11.1642%	11.1313%	10.3521%	Permian Resources Owned		
Foran Oil Co*	0.0000%	17.5000%	0.0000%	0.0000%	0.0000%	Neutral		
Chase Oil Co*	0.0000%	10.4475%	10.4475%	0.0000%	0.0000%	Neutral		
Buccholz (Union Hill)	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	Neutral (No Leasehold)		
Magnum Hunter*	0.0000%	0.0000%	17.5000%	17.5000%	17.5000%	Cimarex Owned		
Cimarex*	0.0000%	0.0000%	0.0000%	13.7500%	15.9375%	Cimarex Owned		
William A. Hudson II*	0.0000%	0.0000%	0.0000%	0.0000%	1.2500%	Assigned to Zorro		
Challenger Crude, Ltd.*	0.0000%	3.2101%	3.2101%	0.0000%	0.0000%	Neutral		
Totals:	100.00%	100.00%	100.00%	100.00%	100.00%			

Owner	Sec 4: Lot 1, SENE	Section 4: NESE	Section 4: SESE	Section 9: E2SE	Section 9: E2NE	Status
Delmar Hudson Trust*	20.4688%	3.8125%	3.8125%	0.0000%	0.0000%	Term Assigned to Cimarex
Lindys Living Trust (Hudson)*	20.4688%	3.8125%	3.8125%	3.8125%	3.8125%	Term Assigned to Zorro/Javelina
Javelina Partners*	13.6458%	2.5417%	2.5417%	6.3542%	6.3542%	Cimarex Support
Zorro Partners*	13.6458%	2.5417%	2.5417%	2.5417%	2.5417%	Cimarex Support
Josephine Hudson Trust*	3.4115%	0.6354%	0.6354%	0.6354%	0.6354%	Neutral
Ard Oil*	10.2344%	1.9063%	1.9063%	1.9063%	1.9063%	Neutral
Moore & Shelton*	5.6250%	2.2500%	2.2500%	2.2500%	2.2500%	Neutral
HOG Partnership LP*	12.5000%	5.0000%	5.0000%	5.0000%	5.0000%	Neutral
Read & Stevens	0.0000%	35.1783%	35.1783%	35.1188%	33.7104%	Permian Resources Owned
First Century Oil	0.0000%	11.1642%	11.1642%	11.1313%	10.3521%	Permian Resources Owned
Foran Oil Co*	0.0000%	17.5000%	0.0000%	0.0000%	0.0000%	Neutral
Chase Oil Co*	0.0000%	10.4475%	10.4475%	0.0000%	0.0000%	Neutral
Buccholz (Union Hill)	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	Neutral (No Leasehold)
Magnum Hunter*	0.0000%	0.0000%	17.5000%	17.5000%	17.5000%	Cimarex Owned
Cimarex*	0.0000%	0.0000%	0.0000%	13.7500%	15.9375%	Cimarex Owned
William A. Hudson II*	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	Assigned to Zorro
Challenger Crude, Ltd.*	0.0000%	3.2101%	3.2101%	0.0000%	0.0000%	Neutral
Totals:	100.00%	100.00%	100.00%	100.00%	100.00%	

Bane - E2E2 - WOLFCAMP - Tract-by-Tract DOI - Case 23515



300 N. MARIENFELD STREET, SUITE 1000 MIDLAND, TX 79701

OFFICE 432.695.4222 **FAX** 432.695.4063

February 17, 2023 Via Certified Mail

Ard Oil Ltd. P.O. Box 101027 Fort Worth, Texas 76185

RE: Bane 4-9 Federal Com – Well Proposals

Sections 4 & 9, T20S-R34E Lea County, New Mexico

To Whom It May Concern:

Permian Resources Operating, LLC, as operator for Read & Stevens, Inc. ("Permian"), hereby proposes the drilling and completion of the following twenty-four (24) wells, the Bane 4-9 Federal Com wells at approximate locations within Township 20 South, Range 34 East:

1. Bane 4-9 Federal Com 111H - West Pad

SHL: 575' FNL & 1,525' FWL (or at a legal location within Lot 3) of Section 4

BHL: 10' FSL & 330' FWL of Section 9 FTP: 100' FNL & 330' FWL of Section 4 LTP: 100' FSL & 330' FWL of Section 9

TVD: Approximately 9,630' TMD: Approximately 19,915'

Proration Unit: Lot 4, SWNW, W2SW of Section 4 and W2W2 of 9 of T20S-R34E

Targeted Interval: 1st Bone Spring Total Cost: See attached AFE

2. Bane 4-9 Federal Com 112H - West Pad

SHL: 575' FNL & 1,558' FWL (or at a legal location within Lot 3) of Section 4

BHL: 10' FSL & 1,650' FWL of Section 9 FTP: 100' FNL & 1,650' FWL of Section 4 LTP: 100' FSL & 1,650' FWL of Section 9

TVD: Approximately 9,610' TMD: Approximately 19,895'

Proration Unit: Lot 3, SENW, E2SW of Section 4 and E2W2 of 9 of T20S-R34E

Targeted Interval: 1st Bone Spring Total Cost: See attached AFE

3. Bane 4-9 Federal Com 113H – East Pad

SHL: 505' FNL & 1,325' FEL (or at a legal location within Lot 2) of Section 4

BHL: 10' FSL & 2,310' FEL of Section 9 FTP: 100' FNL & 2,310' FEL of Section 4 LTP: 100' FSL & 2,310' FEL of Section 9

TVD: Approximately 9,610' TMD: Approximately 19,895'

Proration Unit: Lot 2, SWNE, W2SE of Section 4 and W2E2 of 9 of T20S-R34E

Targeted Interval: 1st Bone Spring Total Cost: See attached AFE

BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Exhibit No. C-10
Submitted by: Read & Stevens, Inc.
Hearing Date: July 20, 2023
Case Nos. 23508-23515

4. Bane 4-9 Federal Com 114H – East Pad

SHL: 505' FNL & 1,292' FEL (or at a legal location within Lot 1) of Section 4

BHL: 10' FSL & 990' FEL of Section 9 FTP: 100' FNL & 990' FEL of Section 4 LTP: 100' FSL & 990' FEL of Section 9

TVD: Approximately 9,590' TMD: Approximately 19,875'

Proration Unit: Lot 1, SENE, E2SE of Section 4 and E2E2 of 9 of T20S-R34E

Targeted Interval: 1st Bone Spring Total Cost: See attached AFE

5. Bane 4-9 Federal Com 121H - West Pad

SHL: 575' FNL & 1,591' FWL (or at a legal location within Lot 3) of Section 4

BHL: 10' FSL & 330' FWL of Section 9
FTP: 100' FNL & 330' FWL of Section 4
LTP: 100' FSL & 330' FWL of Section 9

TVD: Approximately 10,320' TMD: Approximately 20,605'

Proration Unit: Lot 4, SWNW, W2SW of Section 4 and W2W2 of 9 of T20S-R34E

Targeted Interval: 2nd Bone Spring Total Cost: See attached AFE

6. Bane 4-9 Federal Com 122H - West Pad

SHL: 575' FNL & 1,624' FWL (or at a legal location within Lot 3) of Section 4

BHL: 10' FSL & 990' FWL of Section 9 FTP: 100' FNL & 990' FWL of Section 4 LTP: 100' FSL & 990' FWL of Section 9

TVD: Approximately 10,005 TMD: Approximately 20,290'

Proration Unit: Lot 4, SWNW, W2SW of Section 4 and W2W2 of 9 of T20S-R34E

Targeted Interval: 2nd Bone Spring Total Cost: See attached AFE

7. Bane 4-9 Federal Com 123H – West Pad

SHL: 575' FNL & 1,657' FWL (or at a legal location within Lot 3) of Section 4

BHL: 10' FSL & 1,650' FWL of Section 9 FTP: 100' FNL & 1,650' FWL of Section 4 LTP: 100' FSL & 1,650' FWL of Section 9

TVD: Approximately 10,325' TMD: Approximately 20,610'

Proration Unit: Lot 3, SENW, E2SW of Section 4 and E2W2 of 9 of T20S-R34E

Targeted Interval: 2nd Bone Spring Total Cost: See attached AFE

8. Bane 4-9 Federal Com 124H - West Pad

SHL: 575' FNL & 1,690' FWL (or at a legal location within Lot 3) of Section 4

BHL: 10' FSL & 2,310 FWL of Section 9 FTP: 100' FNL & 2,310 FWL of Section 4 LTP: 100' FSL & 2,310 FWL of Section 9

TVD: Approximately 10,005 TMD: Approximately 20,290'

Proration Unit: Lot 3, SENW, E2SW of Section 4 and E2W2 of 9 of T20S-R34E

Targeted Interval: 2nd Bone Spring Total Cost: See attached AFE

9. Bane 4-9 Federal Com 125H - East Pad

SHL: 505' FNL & 1,259' FEL (or at a legal location within Lot 1) of Section 4

BHL: 10' FSL & 2,310 FEL of Section 9 FTP: 100' FNL & 2,310 FEL of Section 4 LTP: 100' FSL & 2,310 FEL of Section 9

TVD: Approximately 10,330' TMD: Approximately 20,615'

Proration Unit: Lot 2, SWNE, W2SE of Section 4 and W2E2 of 9 of T20S-R34E

Targeted Interval: 2nd Bone Spring Total Cost: See attached AFE

10. Bane 4-9 Federal Com 126H – East Pad

SHL: 505' FNL & 1,226' FEL (or at a legal location within Lot 1) of Section 4

BHL: 10' FSL & 1,650' FEL of Section 9 FTP: 100' FNL & 1,650' FEL of Section 4 LTP: 100' FSL & 1,650' FEL of Section 9

TVD: Approximately 10,005 TMD: Approximately 20,290'

Proration Unit: Lot 2, SWNE, W2SE of Section 4 and W2E2 of 9 of T20S-R34E

Targeted Interval: 2nd Bone Spring Total Cost: See attached AFE

11. Bane 4-9 Federal Com 127H – East Pad

SHL: 505' FNL & 1,193' FEL (or at a legal location within Lot 1) of Section 4

BHL: 10' FSL & 990' FEL of Section 9 FTP: 100' FNL & 990' FEL of Section 4 LTP: 100' FSL & 990' FEL of Section 9

TVD: Approximately 10,330' TMD: Approximately 20,615'

Proration Unit: Lot 1, SENE, E2SE of Section 4 and E2E2 of 9 of T20S-R34E

Targeted Interval: 2nd Bone Spring Total Cost: See attached AFE

12. Bane 4-9 Federal Com 128H - East Pad

SHL: 505' FNL & 1,160' FEL (or at a legal location within Lot 1) of Section 4

BHL: 10' FSL & 330' FEL of Section 9 FTP: 100' FNL & 330' FEL of Section 4 LTP: 100' FSL & 330' FEL of Section 9

TVD: Approximately 10,005 TMD: Approximately 20,290'

Proration Unit: Lot 1, SENE, E2SE of Section 4 and E2E2 of 9 of T20S-R34E

Targeted Interval: 2nd Bone Spring Total Cost: See attached AFE

13. Bane 4-9 Federal Com 171H - (West Pad)

SHL: 445' FNL & 1,525' FWL (or at a legal location within Lot 3) of Section 4

BHL: 10' FSL & 990' FWL of Section 9 FTP: 100' FNL & 990' FWL of Section 4 LTP: 100' FSL & 990' FWL of Section 9

TVD: Approximately 10,415' TMD: Approximately 20,700'

Proration Unit: Lot 4, SWNW, W2SW of Section 4 and W2W2 of 9 of T20S-R34E

Targeted Interval: 3rd Bone Spring Carb (Harkey)

Total Cost: See attached AFE

14. Bane 4-9 Federal Com 172H - (West Pad)

SHL: 445' FNL & 1,690' FWL (or at a legal location within Lot 3) of Section 4

BHL: 10' FSL & 2,310' FWL of Section 9 FTP: 100' FNL & 2,310' FWL of Section 4 LTP: 100' FSL & 2,310' FWL of Section 9

TVD: Approximately 10,415' TMD: Approximately 20,700'

Proration Unit: Lot 3, SENW, E2SW of Section 4 and E2W2 of 9 of T20S-R34E

Targeted Interval: 3rd Bone Spring Carb (Harkey)

Total Cost: See attached AFE

15. Bane 4-9 Federal Com 173H - (East Pad)

SHL: 375' FNL & 1,325' FEL (or at a legal location within Lot 2) of Section 4

BHL: 10' FSL & 1,650' FEL of Section 9 FTP: 100' FNL & 1,650' FEL of Section 4 LTP: 100' FSL & 1,650' FEL of Section 9

TVD: Approximately 10,415' TMD: Approximately 20,700'

Proration Unit: Lot 2, SWNE, W2SE of Section 4 and W2E2 of 9 of T20S-R34E

Targeted Interval: 3rd Bone Spring Carb (Harkey)

Total Cost: See attached AFE

16. Bane 4-9 Federal Com 174H - (East Pad)

SHL: 375' FNL & 1,160' FEL (or at a legal location within Lot 1) of Section 4

BHL: 10' FSL & 330' FEL of Section 9 FTP: 100' FNL & 330' FEL of Section 4 LTP: 100' FSL & 330' FEL of Section 9

TVD: Approximately 10,415' TMD: Approximately 20,700'

Proration Unit: Lot 1, SENE, E2SE of Section 4 and E2E2 of 9 of T20S-R34E

Targeted Interval: 3rd Bone Spring Carb (Harkey)

Total Cost: See attached AFE

17. Bane 4-9 Federal Com 131H - West Pad

SHL: 445' FNL & 1,558' FWL (or at a legal location within Lot 3) of Section 4

BHL: 10' FSL & 330' FWL of Section 9 FTP: 100' FNL & 330' FWL of Section 4 LTP: 100' FSL & 330' FWL of Section 9

TVD: Approximately 10,825' TMD: Approximately 21,110'

Proration Unit: Lot 4, SWNW, W2SW of Section 4 and W2W2 of 9 of T20S-R34E

Targeted Interval: 3rd Bone Spring Total Cost: See attached AFE

18. Bane 4-9 Federal Com 132H

SHL: 445' FNL & 1,624' FWL (or at a legal location within Lot 3) of Section 4

BHL: 10' FSL & 1,650' FWL of Section 9 FTP: 100' FNL & 1,650' FWL of Section 4 LTP: 100' FSL & 1,650' FWL of Section 9

TVD: Approximately 10,825' TMD: Approximately 21,110'

Proration Unit: Lot 3, SENW, E2SW of Section 4 and E2W2 of 9 of T20S-R34E

Targeted Interval: 3rd Bone Spring Total Cost: See attached AFE

19. Bane 4-9 Federal Com 133H – East Pad

SHL: 375' FNL & 1,292' FEL (or at a legal location within Lot 1) of Section 4

BHL: 10' FSL & 2,310' FEL of Section 9 FTP: 100' FNL & 2,310' FEL of Section 4 LTP: 100' FSL & 2,310' FEL of Section 9

TVD: Approximately 10,825' TMD: Approximately 21,110'

Proration Unit: Lot 2, SWNE, W2SE of Section 4 and W2E2 of 9 of T20S-R34E

Targeted Interval: 3rd Bone Spring Total Cost: See attached AFE

20. Bane 4-9 Federal Com 134H

SHL: 375' FNL & 1,226' FEL (or at a legal location within Lot 1) of Section 4

BHL: 10' FSL & 990' FEL of Section 9 FTP: 100' FNL & 990' FEL of Section 4 LTP: 100' FSL & 990' FEL of Section 9

TVD: Approximately 10,825' TMD: Approximately 21,110'

Proration Unit: Lot 1, SENE, E2SE of Section 4 and E2E2 of 9 of T20S-R34E

Targeted Interval: 3rd Bone Spring Total Cost: See attached AFE

21. Bane 4-9 Federal Com 201H - West Pad

SHL: 445' FNL & 1,591' FWL (or at a legal location within Lot 3) of Section 4

BHL: 10' FSL & 990' FWL of Section 9 FTP: 100' FNL & 990' FWL of Section 4 LTP: 100' FSL & 990' FWL of Section 9

TVD: Approximately 10,925' TMD: Approximately 21,210'

Proration Unit: Lot 4, SWNW, W2SW of Section 4 and W2W2 of 9 of T20S-R34E

Targeted Interval: Wolfcamp XY Total Cost: See attached AFE

22. Bane 4-9 Federal Com 202H - West Pad

SHL: 445' FNL & 1,657' FWL (or at a legal location within Lot 3) of Section 4

BHL: 10' FSL & 2,310' FWL of Section 9 FTP: 100' FNL & 2,310' FWL of Section 4 LTP: 100' FSL & 2,310' FWL of Section 9

TVD: Approximately 10,925' TMD: Approximately 21,210'

Proration Unit: Lot 3, SENW, E2SW of Section 4 and E2W2 of 9 of T20S-R34E

Targeted Interval: Wolfcamp XY Total Cost: See attached AFE

23. Bane 4-9 Federal Com 203H – East Pad

SHL: 375' FNL & 1,259' FEL (or at a legal location within Lot 1) of Section 4

BHL: 10' FSL & 1,650' FEL of Section 9 FTP: 100' FNL & 1,650' FEL of Section 4 LTP: 100' FSL & 1,650' FEL of Section 9

TVD: Approximately 10,925' TMD: Approximately 21,210'

Proration Unit: Lot 2, SWNE, W2SE of Section 4 and W2E2 of 9 of T20S-R34E

Targeted Interval: Wolfcamp XY Total Cost: See attached AFE

24. Bane 4-9 Federal Com 204H - East Pad

SHL: 375' FNL & 1,193' FEL (or at a legal location within Lot 1) of Section 4

BHL: 10' FSL & 330' FEL of Section 9 FTP: 100' FNL & 330' FEL of Section 4 LTP: 100' FSL & 330' FEL of Section 9

TVD: Approximately 10,925' TMD: Approximately 21,210'

Proration Unit: Lot 1, SENE, E2SE of Section 4 and E2E2 of 9 of T20S-R34E

Targeted Interval: Wolfcamp XY Total Cost: See attached AFE

The locations, TVDs, and targets are approximate and subject to change dependent on surface or subsurface issues encountered. These locations do fall within an approved potash drill island, so any surface changes remain subject to BLM approval. Permian is proposing to drill these wells under the modified terms of the 1989 AAPL Operating Agreement and a form of said Operating Agreement is enclosed. The Operating Agreement has the following general provisions:

- -100%/300%/300% non-consent provisions
- \$8,000/\$800 drilling and producing rates
- Permian Resources Operating, LLC named as Operator

Note that communitization agreements for each spacing unit shall be sent in a separate mailing.

Please indicate your election to participate in the drilling and completion of the proposed wells in the space provided below. Please sign and return one copy of this letter, a signed copy of the proposed AFE, and your geologic well requirements.

In the interest of time, should we not reach an agreement within thirty (30) days of the date of your receipt of this letter, Permian will apply to the New Mexico Oil Conservation Division for compulsory pooling of your interest into a spacing unit for the proposed well. If you do not wish to participate, Permian would be interested in acquiring your interest in the subject lands which is subject to further mutually agreeable negotiation.

Thank you for your time and consideration, if you have any questions at all, please don't hesitate to contact me at 432.400.1037 or by email at travis.macha@permianres.com.

Respectfully,

Travis Macha

Senior Landman

Enclosures

Bane 4-9 Federal Com Elections:

	Well Elections:						
(Please indicate your responses in the spaces below)							
Well(s)	Well(s) Elect to Participate Elect to NOT Participa						
Bane 4-9 Federal Com 111H							
Bane 4-9 Federal Com 112H							
Bane 4-9 Federal Com 113H							
Bane 4-9 Federal Com 114H							
Bane 4-9 Federal Com 121H							
Bane 4-9 Federal Com 122H							
Bane 4-9 Federal Com 123H							
Bane 4-9 Federal Com 124H							
Bane 4-9 Federal Com 125H							
Bane 4-9 Federal Com 126H							
Bane 4-9 Federal Com 127H							
Bane 4-9 Federal Com 128H							
Bane 4-9 Federal Com 171H							
Bane 4-9 Federal Com 172H							
Bane 4-9 Federal Com 173H							
Bane 4-9 Federal Com 174H							
Bane 4-9 Federal Com 131H							
Bane 4-9 Federal Com 132H							
Bane 4-9 Federal Com 133H							
Bane 4-9 Federal Com 134H							
Bane 4-9 Federal Com 201H							
Bane 4-9 Federal Com 202H							
Bane 4-9 Federal Com 203H							
Bane 4-9 Federal Com 204H							

Company Name (If Applicable):
By:
Printed Name:
Date:

	ESTIMATE C	F COSTS AND AUTHO	RIZATION FOR EXPENDI	TURE	
DATE:	2.17.2023			AFE NO.:	1
WELL NAME:	Bane 4-9 Federal Com 11	1H		FIELD:	Teas; Bone Spring
LOCATION:	Section 4, T20S-R34E			MD/TVD:	19,915' / 9,630'
COUNTY/STATE:	Lea County, New Mexico	,		LATERAL LENGTH:	10,000'
Permian WI:				DRILLING DAYS:	19.6
GEOLOGIC TARGET:	FBSG			COMPLETION DAYS:	18.6
GEOLOGIC TARGET:		roll and complete with		_	
REMARKS:	Drill a horizontal FBSG w install cost	en and complete with	44 stages. Are includes	urilling, completions, fi	owback and mittal AL
		DRILLING	COMPLETION	PRODUCTION	TOTAL
INTANGIBLE (1 Land/Legal/Regulatory	COSTS \$	COSTS 52,768	COSTS	COSTS 37,500	COSTS \$ 90,268
2 Location, Surveys & Damas	· .	257,363	16,141	2,500	276,003
Freight / Transportation		42,549	39,110	25,000	106,660
Rental - Surface Equipmen		111,070	192,448	105,000	408,518
Rental - Downhole Equipm	ient	183,520	53,429	-	236,949
' Rental - Living Quarters .0 Directional Drilling, Surve		42,956 383,743	48,671		91,627
11 Drilling		673,443			673,443
12 Drill Bits	•	89,495	-	-	89,495
13 Fuel & Power		168,789	647,751	-	816,540
4 Cementing & Float Equip		217,354	-	-	217,354
15 Completion Unit, Swab, C			351,218	15,000	15,000 351,218
l6 Perforating, Wireline, Slic 17 High Pressure Pump Truc		-	110,130		110,130
8 Completion Unit, Swab, C			130,865		130,865
0 Mud Circulation System	•	93,991	-		93,991
1 Mud Logging	•	15,660	-		15,660
2 Logging / Formation Evalu	ation	6,495	7,450	40.000	13,944
23 Mud & Chemicals 24 Water		323,254	391,463	10,000	724,717
24 Water 25 Stimulation		38,825	591,078 727,236	225,000	854,903 727,236
26 Stimulation Flowback & I	Disp		108,640	150,000	258,640
28 Mud/Wastewater Dispos		172,514	54,630	=	227,144
30 Rig Supervision / Enginee	ring	108,273	119,194	21,667	249,134
32 Drlg & Completion Overh	ead	9,312	-	-	9,312
35 Labor		137,006	62,080	101,667	300,753
54 Proppant 95 Insurance		13,096	1,121,387		1,121,387 13,096
97 Contingency		13,090	21,817	3,833	25,650
99 Plugging & Abandonmen	t ·	-	-	-	
	TOTAL INTANGIBLES >	3,141,476	4,794,736	697,167	8,633,379
		DRILLING	COMPLETION	PRODUCTION	TOTAL
TANGIBLE C	OSTS	COSTS	COSTS	COSTS	COSTS
0 Surface Casing	\$	109,201			\$ 109,201
1 Intermediate Casing	•	307,574	-		307,574
62 Drilling Liner		-	-	-	-
3 Production Casing		613,783	-	-	613,783
4 Production Liner		-		440.000	440,000
55 Tubing 66 Wellhead		57,908		140,000 40,000	140,000 97,908
77 Packers, Liner Hangers		13,161		20,000	33,161
68 Tanks		-	-	45,833	45,833
9 Production Vessels	•	-	-	126,667	126,667
70 Flow Lines		-	-	66,667	66,667
71 Rod string 72 Artificial Lift Equipment				90,000	90,000
73 Compressor		 -		5,833	5,833
74 Installation Costs		-	-	-	-
'5 Surface Pumps	•	-	-	61,667	61,667
'6 Downhole Pumps		-	-	-	-
7 Measurement & Meter Ins		-	-	116,667	116,667
'8 Gas Conditioning/Dehyd '9 Interconnecting Facility Pi		-	-	20.000	20,000
30 Gathering / Bulk Lines	·Ping	 -		20,000	20,000
31 Valves, Dumps, Controlle	rs	-	-	108,333	108,333
32 Tank / Facility Containme		-	-	43,333	43,333
33 Flare Stack		-	-	16,667	16,667
4 Electrical / Grounding		-		50,000	50,000
5 Communications / SCADA 6 Instrumentation / Safety	١.	-	-	36,667 853	36,667 853
oo msu umentation/ Sarety	TOTAL TANGIBLES >	1,101,627	- 0	989,187	2,090,814
	TOTAL COSTS >	4,243,103	4,794,736	1,686,354	10,724,193
	TOTAL COSTS /	1,210,100	4,774,750	1,000,554	10,724,133
PARED BY Permian Reso	ourses Operating IIC				
ARED DI I erinian Resc	ources Operating, LLC.				
Drilling Engineer	: PS				
Completions Engineer	: ML				
Production Engineer	: DC				
ian Resources Operating	g, LLC APPROVAL:				
Co-CEC)	Co-CE	0	VP - Opera	ations
CO-CEC	WH	CO-CE	- IW	vr - Opera	CRM
VP - Land & Lega		VP - Geoscienc	***		CAUTA
VI Zuna a zagu	BG	VI Geoscielle	SO		
OPERATING PARTNE	R APPROVAL:				
			T47 - 1 1 - 1 - 1 - 1 (0/)		. ID
Company Name			Working Interest (%):	T	ax ID:
Signed by	:		Date:		
Signed by					
Title	:		Approval:	Yes	No (mark one)

	ESTIMATE O	F COSTS AND AUTHO	ORIZATION FOR EXPENDI	TURE	
DATE:	2.17.2023			AFE NO.:	1
WELL NAME:	Bane 4-9 Federal Com 12	1H		FIELD:	Teas; Bone Spring
LOCATION:	Section 4, T20S-R34E			MD/TVD:	20,605' / 10,320'
COUNTY/STATE:	Lea County, New Mexico)		LATERAL LENGTH:	10,000'
Permian WI:				DRILLING DAYS:	19.6
GEOLOGIC TARGET:	SBSG			COMPLETION DAYS:	18.6
	Drill a horizontal SBSG v	vell and complete with	44 stages. AFE includes	drilling, completions, fl	owback and Initial AL
REMARKS:	install cost				
INTANGIBL		DRILLING COSTS	COMPLETION COSTS	PRODUCTION COSTS	TOTAL COSTS
Land/Legal/Regulatory		54,351	16.605	37,500	\$ 91,851 284,208
2 Location, Surveys & Dan 1 Freight / Transportation	nages	265,083 43,826	16,625 40,284	2,500 25,000	284,208 109,110
Rental - Surface Equipm	ent	114,402	198,221	105,000	417,624
Rental - Downhole Equip	pment	189,026	55,031	-	244,057
Rental - Living Quarters O Directional Drilling, Su		44,244 395,255	50,131		94,375 395,255
11 Drilling	rveys	693,647			693,647
12 Drill Bits		92,179		-	92,179
13 Fuel & Power		173,853	667,183	-	841,036
14 Cementing & Float Equ 15 Completion Unit, Swab		223,875		15,000	223,875 15,000
16 Perforating, Wireline, S		-	361,754	- 13,000	361,754
7 High Pressure Pump Tr		-	113,434		113,434
8 Completion Unit, Swab		-	134,791	-	134,791
20 Mud Circulation System	n	96,811 16,130		-	96,811
21 Mud Logging 22 Logging / Formation Ev	aluation	6,690	7,673		14,363
23 Mud & Chemicals		332,951	403,207	10,000	746,158
24 Water		39,990	608,810	250,000	898,800
25 Stimulation	Di-	-	749,053	150,000	749,053
26 Stimulation Flowback & 28 Mud/Wastewater Disp		177,689	111,899 56,269	150,000	261,899 233,959
30 Rig Supervision / Engin		111,522	122,769	21,667	255,958
32 Drlg & Completion Ove		9,591	-	-	9,591
35 Labor		141,116	63,942	101,667	306,725
54 Proppant 95 Insurance		13,489	1,155,029	-	1,155,029
97 Contingency		13,469	22,472	3,833	26,305
99 Plugging & Abandonm	ent	-		-	-
	TOTAL INTANGIBLES >	3,235,720	4,938,578	722,167	8,896,465
		DRILLING	COMPLETION	PRODUCTION	TOTAL
TANGIBLE	COSTS	COSTS	COSTS	COSTS	COSTS
0 Surface Casing	\$	112,477			\$ 112,477
1 Intermediate Casing		316,801	-	-	316,801
52 Drilling Liner 53 Production Casing		632,196			632,196
64 Production Liner		-	-	-	-
55 Tubing		-	-	140,000	140,000
66 Wellhead		59,645	-	40,000	99,645
67 Packers, Liner Hangers 68 Tanks		13,556		20,000	33,556
69 Production Vessels		-		45,833	45,833
70 Flow Lines		-	-	126,667	126,667
71 Rod string		-	-	66,667	66,667
72 Artificial Lift Equipmer	nt	<u> </u>		90,000	90,000 5,833
73 Compressor 74 Installation Costs				5,833	3,033
75 Surface Pumps		-	-	61,667	61,667
76 Downhole Pumps		-	-		-
77 Measurement & Meter 1		-		116,667	116,667
78 Gas Conditioning / Deh 79 Interconnecting Facility				20,000	20,000
80 Gathering / Bulk Lines	Tiping			-	20,000
31 Valves, Dumps, Control	llers	-	-	108,333	108,333
32 Tank / Facility Contains	nent	-	-	43,333	43,333
33 Flare Stack		-		16,667 50,000	16,667 50,000
34 Electrical / Grounding 35 Communications / SCA	DA			36,667	36,667
36 Instrumentation / Safety		-		833	833
	TOTAL TANGIBLES >	1,134,676	0	989,167	2,123,843
	TOTAL COSTS >	4,370,396	4,938,578	1,711,334	11,020,308
PARED BY Permian Re	esources Operating, LLC:				
Drilling Engine	eer: PS				
Completions Engine					
Production Engine					
ian Resources Operati	ing, LLC APPROVAL:				
Co-C	EO	Co-C	EO	VP - Oper	ations
	WH		JW		CRM
VP - Land & Le	gal	VP - Geoscien	ces		
	BG		SO		
NOPERATING PART	NER APPROVAL:				
			T47 - 1 1 T - 1 (0/)		. ID
Company Nai	me:		Working Interest (%):	T	ax ID:
Signed	by:		Date:		
Ti	itle:		Approval:	Yes	No (mark one)

	ESTIMATE OF	COSTS AND AUTHO	ORIZATION FOR EXPENDI	TURE	
DATE:	2.17.2023			AFE NO.:	1
WELL NAME:	Bane 4-9 Federal Com 1221	I		FIELD:	Teas; Bone Spring
LOCATION:	Section 4, T20S-R34E			MD/TVD:	20,290' / 10,005'
COUNTY/STATE:	Lea County, New Mexico			LATERAL LENGTH:	10,000'
Permian WI:	CDCC			DRILLING DAYS:	19.6
GEOLOGIC TARGET:	SBSG	11 1 1 11		COMPLETION DAYS:	18.6
REMARKS:	Drill a horizontal SBSG we install cost	il and complete with	1 44 stages. AFE includes of	frilling, completions, fi	owback and Initial AL
TEMPINE OF	Inotan coot				
		DRILLING	COMPLETION	PRODUCTION	TOTAL
INTANGIBLE (COSTS	COSTS	COSTS	COSTS	COSTS
1 Land / Legal / Regulatory	\$	54,351		37,500	\$ 91,851
2 Location, Surveys & Damag 4 Freight / Transportation	es	265,083 43,826	16,625 40,284	2,500 25,000	284,208 109,110
5 Rental - Surface Equipment	-	114,402	198,221	105,000	417,624
6 Rental - Downhole Equipm	ent	189,026	55,031	-	244,057
7 Rental - Living Quarters	_	44,244	50,131	-	94,375
10 Directional Drilling, Surve 11 Drilling		395,255 693,647	-		395,255 693,647
12 Drill Bits	_	92,179			92,179
13 Fuel & Power	_	173,853	667,183	-	841,036
14 Cementing & Float Equip		223,875		15.000	223,875
15 Completion Unit, Swab, C 16 Perforating, Wireline, Slick			361,754	15,000	15,000 361,754
17 High Pressure Pump Truck			113,434		113,434
18 Completion Unit, Swab, C		-	134,791	-	134,791
20 Mud Circulation System	_	96,811	-	-	96,811
21 Mud Logging 22 Logging / Formation Evalu	ation	16,130 6,690	7,673		16,130 14,363
23 Mud & Chemicals	_	332,951	403,207	10,000	746,158
24 Water	_	39,990	608,810	250,000	898,800
25 Stimulation	. –	-	749,053	450,000	749,053
26 Stimulation Flowback & D 28 Mud/Wastewater Disposa		177,689	111,899 56,269	150,000	261,899 233,959
30 Rig Supervision / Engineer		111,522	122,769	21,667	255,958
32 Drlg & Completion Overh		9,591	122,709	21,007	9,591
35 Labor		141,116	63,942	101,667	306,725
54 Proppant	_	12.400	1,155,029		1,155,029
95 Insurance 97 Contingency	_	13,489	22,472	3,833	13,489 26,305
99 Plugging & Abandonment	-			- 3,633	- 20,303
00 0	TOTAL INTANGIBLES >	3,235,720	4,938,578	722,167	8,896,465
		DRILLING	COMPLETION	PRODUCTION	TOTAL
TANGIBLE CO	OSTS	COSTS	COSTS	COSTS	COSTS
60 Surface Casing	\$	112,477	-	-	\$ 112,477
61 Intermediate Casing	-	316,801	-	-	316,801
62 Drilling Liner	_	-	-	-	-
63 Production Casing 64 Production Liner	_	632,196	-		632,196
65 Tubing	_			140,000	140,000
66 Wellhead	_	59,645	-	40,000	99,645
67 Packers, Liner Hangers		13,556	-	20,000	33,556
68 Tanks	_			45.000	45.000
69 Production Vessels 70 Flow Lines	_			45,833 126,667	45,833 126,667
71 Rod string	_	-	-	66,667	66,667
72 Artificial Lift Equipment	_	-	-	90,000	90,000
73 Compressor	_	-	-	5,833	5,833
74 Installation Costs 75 Surface Pumps	_			61,667	61,667
76 Downhole Pumps	-			01,007	- 01,007
77 Measurement & Meter Inst	tallation	-	-	116,667	116,667
78 Gas Conditioning / Dehyd		-	-	-	-
79 Interconnecting Facility Pi	ping	-	-	20,000	20,000
80 Gathering / Bulk Lines 81 Valves, Dumps, Controller	-s			108,333	108,333
82 Tank / Facility Containmen		-		43,333	43,333
83 Flare Stack	_	-	-	16,667	16,667
84 Electrical / Grounding 85 Communications / SCADA	_			50,000	50,000
86 Instrumentation / Safety	_	-		36,667 833	36,667 833
,	TOTAL TANGIBLES >	1,134,676	0	989,167	2,123,843
	TOTAL COSTS >	4,370,396	4,938,578	1,711,334	11,020,308
		,, ,,,,,,	7 7.	, , ,	,, ,,
EPARED BY Permian Reso	urran Operating IIC				
TAKED DI Termian Keso	urces Operating, LLC.				
Drilling Engineer:	PS				
Completions Engineer:	ML				
Production Engineer:	DC				
nian Resources Operating	, LLC APPROVAL:				
Co-CEO	WH	Co-C	EO IW	VP - Opera	CRM
VP - Land & Legal		VP - Geoscien	***		CIGVI
vi - Land & Legar	BG	vi - deoseiei	SO		
	-				
N OPERATING PARTNE	R APPROVAL:				
			TAT and since Tests are 100	-	ID.
Company Name:			Working Interest (%):	1	ax ID:
Signed by:			Date:		
					
Title:			Approval:	Yes	No (mark one)

	ESTIMATE O	F COSTS AND AUTHO	ORIZATION FOR EXPENDI	TURE	
DATE:	2.17.2023			AFE NO.:	1
WELL NAME:	Bane 4-9 Federal Com 171	H		FIELD:	Teas; Bone Spring
LOCATION:	Section 4, T20S-R34E			MD/TVD:	20,700' / 10,415'
COUNTY/STATE:	Lea County, New Mexico			LATERAL LENGTH:	10,000'
Permian WI:				DRILLING DAYS:	19.6
GEOLOGIC TARGET:	TBSG		•	COMPLETION DAYS:	18.6
REMARKS:	Drill a horizontal TBSG w install cost	ell and complete with	n 44 stages. AFE includes	drilling, completions, f	owback and Initial AL.
		DRILLING	COMPLETION	PRODUCTION	TOTAL
INTANGIBLE O		COSTS	COSTS	COSTS	COSTS
Land / Legal / Regulatory Location, Surveys & Damag	* _	55,739 271,852	17,050	37,500 2,500	\$ 93,239 291,402
Freight / Transportation	_	44,945	41,312	25,000	111,257
Rental - Surface Equipment		117,323	203,283	105,000	425,606
Rental - Downhole Equipm	ent	193,853	56,437	-	250,289
Rental - Living Quarters O Directional Drilling, Surve		45,374 405,348	51,411	-	96,785 405,348
o Directional Diffilling, Surve 1 Drilling		711,359			711,359
2 Drill Bits	-	94,533	-	-	94,533
3 Fuel & Power	_	178,292	684,220	-	862,512
4 Cementing & Float Equip		229,592		15.000	229,592
5 Completion Unit, Swab, C 6 Perforating, Wireline, Slicl		-	370,992	15,000	15,000 370,992
7 High Pressure Pump Trucl		-	116,330		116,330
8 Completion Unit, Swab, C	TU	-	138,232	-	138,232
0 Mud Circulation System	_	99,283	-	-	99,283
1 Mud Logging	ation _	16,542	7,869		16,542
2 Logging / Formation Evalu 3 Mud & Chemicals		6,860 341,453	413,503	10,000	764,956
4 Water	-	41,011	624,356	300,000	965,367
5 Stimulation		-	768,180	-	768,180
6 Stimulation Flowback & D		400.005	114,757	150,000	264,757
8 Mud/Wastewater Disposa 0 Rig Supervision/Enginee		182,227 114,369	57,706 125,904	21,667	239,933 261,941
2 Drlg & Completion Overh		9,836	123,504	21,007	9,836
5 Labor	-	144,719	65,575	101,667	311,961
4 Proppant	_	-	1,184,522	-	1,184,522
5 Insurance 7 Contingency	_	13,834	22.045	2 922	13,834
7 Contingency 9 Plugging & Abandonment	-		23,045	3,833	26,878
	TOTAL INTANGIBLES >	3,318,344	5,064,685	772,167	9,155,196
		DRILLING	COMPLETION	PRODUCTION	TOTAL
TANGIBLE CO	OSTS	COSTS	COSTS	COSTS	COSTS
0 Surface Casing	\$_	115,349		-	\$ 115,349
1 Intermediate Casing	_	324,891			324,891
2 Drilling Liner 3 Production Casing	_	648,340	-		648,340
4 Production Liner	-	-	-	-	
5 Tubing	-	-	-	140,000	140,000
6 Wellhead	_	61,169	-	40,000	101,169
7 Packers, Liner Hangers 8 Tanks	_	13,902		20,000	33,902 45,833
9 Production Vessels	-			45,833 126,667	126,667
0 Flow Lines	-	-	-	66,667	66,667
1 Rod string	_	-	-	-	-
2 Artificial Lift Equipment		-	-	90,000	90,000
'3 Compressor '4 Installation Costs	-	-		5,833	5,833
5 Surface Pumps	-			61,667	61,667
6 Downhole Pumps	-	-	-		-
7 Measurement & Meter Ins		-	-	116,667	116,667
8 Gas Conditioning / Dehyd		-	-	20,000	20,000
9 Interconnecting Facility Pi 0 Gathering / Bulk Lines	- Ping	-		20,000	20,000
1 Valves, Dumps, Controller	rs –	-	-	108,333	108,333
2 Tank / Facility Containmen	nt -	-	-	43,333	43,333
3 Flare Stack	_	-	-	16,667	16,667
4 Electrical / Grounding 5 Communications / SCADA	_	-		50,000 36,667	50,000
6 Instrumentation / Safety	-			833	833
, , , ,	TOTAL TANGIBLES >	1,163,650	0	989,167	2,152,817
	TOTAL COSTS >	4,481,994	5,064,685	1,761,334	11,308,013
PARED BY Permian Reso	urces Operating, LLC:				
Drilling Engineer:	PS				
Completions Engineer:	ML				
Production Engineer:	DC				
ian Resources Operating	LLC APPROVAL:				
			EO	I	
Co-CEO	WH	Co-C	EO	VP - Oper	CRM
VP - Land & Legal		VP - Geoscien	,		CKW
vi - Land & Legal	BG	vi - Geoscien	SO		
OPERATING PARTNE	K APPROVAL:				
Company Name:			Working Interest (%):	T	ax ID:
Signed by:			Date:		
Title:			Approval:	Yes	☐ No (mark one)

	ESTIMATE OF	COSTS AND AUTHO	ORIZATION FOR EXPENDI	TURE	
_	2.17.2023			AFE NO.:	1
_	Bane 4-9 Federal Com 131	1		FIELD:	Teas; Bone Spring
_	Section 4, T20S-R34E			MD/TVD:	21,110' / 10,825'
-	Lea County, New Mexico			LATERAL LENGTH:	10,000'
Permian WI: GEOLOGIC TARGET:	ГBSG			DRILLING DAYS: COMPLETION DAYS:	19.6 18.6
_		Il and complete with		_	_
	Drill a horizontal TBSG we nstall cost	and complete with	144 stages. Are includes	urming, completions, i	lowback and mittal AL
		DRILLING	COMPLETION	PRODUCTION	TOTAL
INTANGIBLE CO	OSTS	COSTS	COSTS	COSTS	COSTS
1 Land / Legal / Regulatory	\$_	57,069		37,500	\$ 94,569
2 Location, Surveys & Damages	s	278,338	17,456	2,500	298,294
4 Freight / Transportation 5 Rental - Surface Equipment	_	46,017 120,122	42,298 208,133	25,000 105,000	113,315 433,255
6 Rental - Downhole Equipmer	nt _	198,477	57,783	-	256,260
7 Rental - Living Quarters		46,457	52,637	-	99,094
10 Directional Drilling, Survey	s	415,018		-	415,018
11 Drilling 12 Drill Bits	_	728,329 96,788	-	-	728,329 96,788
13 Fuel & Power	_	182,546	700,542		883,088
14 Cementing & Float Equip		235,069	-	-	235,069
15 Completion Unit, Swab, CTI		-	270.042	15,000	15,000
16 Perforating, Wireline, Slickl 17 High Pressure Pump Truck	ine _		379,842 119,106	-	379,842 119,106
18 Completion Unit, Swab, CTI			141,530		141,530
20 Mud Circulation System	_	101,651	-	-	101,651
21 Mud Logging	. –	16,936	-	-	16,936
22 Logging / Formation Evaluat 23 Mud & Chemicals	non	7,024	8,057	10,000	15,081
23 Mud & Chemicals 24 Water	_	349,599 41,989	423,367 639,251	10,000 300,000	782,966 981,240
25 Stimulation	-	= -	786,506	-	786,506
26 Stimulation Flowback & Dis	Sp —	-	117,494	150,000	267,494
28 Mud/Wastewater Disposal	_	186,574	59,083	-	245,657
30 Rig Supervision / Engineerii 32 Drlg & Completion Overhea		117,098 10,071	128,908	21,667	267,673
35 Labor	_	148,172	67,140	101,667	316,978
54 Proppant	_	-	1,212,780	-	1,212,780
95 Insurance		14,164	-	-	14,164
97 Contingency	_	-	23,595	3,833	27,428
99 Plugging & Abandonment				-	
	TOTAL INTANGIBLES >	3,397,506	5,185,507	772,167	9,355,180
		DRILLING	COMPLETION	PRODUCTION	TOTAL
TANGIBLE COS		COSTS	COSTS	COSTS	COSTS
60 Surface Casing 61 Intermediate Casing	\$_	118,101 332,642			\$ 118,101 332,642
52 Drilling Liner	-	-	-	-	-
53 Production Casing	_	663,806	-	-	663,806
64 Production Liner		-	-	-	-
55 Tubing 66 Wellhead	_	62,628		140,000 40,000	140,000 102,628
57 Packers, Liner Hangers	-	14,234		20,000	34,234
58 Tanks	-		-	45,833	45,833
69 Production Vessels		-	-	126,667	126,667
70 Flow Lines	_	-		66,667	66,667
71 Rod string 72 Artificial Lift Equipment	_	-	-	90,000	90,000
73 Compressor	_			5,833	5,833
74 Installation Costs	_	-			-
75 Surface Pumps	_	-	-	61,667	61,667
76 Downhole Pumps 77 Measurement & Meter Insta				117.77	110.007
77 Measurement & Meter Insta 78 Gas Conditioning / Dehydra				116,667	116,667
79 Interconnecting Facility Pipi		-	-	20,000	20,000
80 Gathering / Bulk Lines	_	-	-	-	-
81 Valves, Dumps, Controllers	_	-	-	108,333	108,333
32 Tank / Facility Containment 33 Flare Stack	_	-	-	43,333	43,333
34 Electrical / Grounding	_	-		50,000	50,000
85 Communications / SCADA	_	-	-	36,667	36,667
86 Instrumentation / Safety		-	-	833	833
	TOTAL TANGIBLES >	1,191,410	0	989,167	2,180,577
	TOTAL COSTS >	4,588,916	5,185,507	1,761,334	11,535,757
DARED BY Barreian Bassa	Ontime II.C.				
PARED BY Permian Resou	ices Operating, LLC:				
Drilling Engineer:	PS				
Completions Engineer:	ML				
Production Engineer:	DC				
nian Resources Operating,					
Co-CEO		Co-C		VP - Oper	
	WH		JW		CRM
VP - Land & Legal	ng.	VP - Geoscien			
	BG		SO		
N OPERATING PARTNER	APPROVAI ·				
			T47 - 1 1 T-1 (0/)		- ID
Company Name:			Working Interest (%):	T	ax ID:
Signed by:			Date:		
Title:			Approval:		☐ No (mark one)

Permian Resources Operating, LLC

	ESTIMATE (Phone (432) 695-4222 of COSTS AND AUTHO	• Fax (432) 695-4063 ORIZATION FOR EXPEND	ITURE	
DATE:	2.17.2023			AFE NO.:	1
WELL NAME:	Bane 4-9 Federal Com 11	12H		FIELD:	Teas; Bone Spring
LOCATION:	Section 4, T20S-R34E			MD/TVD:	19,895' / 9,610'
COUNTY/STATE:	Lea County, New Mexic	0		LATERAL LENGTH:	10,000'
Permian WI:				DRILLING DAYS:	19.6
GEOLOGIC TARGET:	FBSG			COMPLETION DAYS:	18.6
ozozodie mitozn		well and complete with	n 44 stages. AFE includes	_	
REMARKS:	install cost				
		DRILLING COSTS	COMPLETION COSTS	PRODUCTION COSTS	TOTAL COSTS
INTANGIBL Land/Legal/Regulatory			-	37,500	\$ 90,268
Location, Surveys & Dan		257,363	16,141	2,500	276,003
Freight/Transportation		42,549	39,110	25,000	106,660
Rental - Surface Equipm	ent	111,070	192,448	105,000	408,518
Rental - Downhole Equip	pment	183,520	53,429	-	236,949
Rental - Living Quarters		42,956	48,671		91,627
0 Directional Drilling, Su 1 Drilling	rveys	383,743 673,443			383,743 673,443
2 Drill Bits		89,495			89,495
3 Fuel & Power		168,789	647,751		816,540
4 Cementing & Float Equ	ip	217,354	-	-	217,354
5 Completion Unit, Swab			-	15,000	15,000
6 Perforating, Wireline, S		-	351,218	-	351,218
7 High Pressure Pump Tr		-	110,130	-	110,130
8 Completion Unit, Swab		93,991	130,865		130,865
0 Mud Circulation Systen 1 Mud Logging	n	15,660			93,991 15,660
2 Logging / Formation Ev	aluation	6,495	7,450		13,944
3 Mud & Chemicals		323,254	391,463	10,000	724,717
4 Water		38,825	591,078	225,000	854,903
5 Stimulation		-	727,236	-	727,236
6 Stimulation Flowback &			108,640	150,000	258,640
8 Mud/Wastewater Disp		172,514	54,630	- 24 (/7	227,144
0 Rig Supervision / Engin		108,273 9,312	119,194	21,667	249,134 9,312
2 Drlg & Completion Ove 5 Labor	ernead	137,006	62,080	101,667	300,753
4 Proppant		=	1,121,387	=	1,121,387
5 Insurance		13,096	-	-	13,096
7 Contingency		-	21,817	3,833	25,650
9 Plugging & Abandonm	ent TOTAL INTANGIBLES >	3,141,476	4,794,736	697,167	8,633,379
		DRILLING	COMPLETION	PRODUCTION	TOTAL
TANGIBLE	COSTS	COSTS	COSTS	COSTS	COSTS
0 Surface Casing	\$				\$ 109,201
1 Intermediate Casing		307,574	-		307,574
2 Drilling Liner		(10.700			(10 700
3 Production Casing 4 Production Liner		613,783			613,783
5 Tubing				140,000	140,000
6 Wellhead		57,908	-	40,000	97,908
7 Packers, Liner Hangers		13,161	-	20,000	33,161
8 Tanks				45,833	45,833
9 Production Vessels				126,667	126,667
0 Flow Lines 1 Rod string				66,667	66,667
2 Artificial Lift Equipmer	nt			90,000	90,000
3 Compressor				5,833	5,833
4 Installation Costs			-	-	
5 Surface Pumps			-	61,667	61,667
6 Downhole Pumps				- 444.447	444.445
7 Measurement & Meter I 8 Gas Conditioning/Deh				116,667	116,667
9 Interconnecting Facility				20,000	20,000
0 Gathering / Bulk Lines	1 0		-	-	
1 Valves, Dumps, Control	llers	-	-	108,333	108,333
2 Tank / Facility Contains	nent	-	-	43,333	43,333
3 Flare Stack				16,667	16,667
4 Electrical / Grounding	D.A.			50,000 36,667	50,000
5 Communications / SCA 6 Instrumentation / Safety				853	36,667 853
,	TOTAL TANGIBLES >	1,101,627	0	989,187	2,090,814
	TOTAL COSTS >	4,243,103	4,794,736	1,686,354	10,724,193
PARED BY Permian Re	esources Operating, LLC:				
Drilling Engine					
Completions Engine					
Production Engine	eer: DC				
ian Resources Operati	ing, LLC APPROVAL:				
Co-C		Co-C	TO	VP - Oper	ations
C0-C	WH	C0-C	JW	vi - Oper	CRM
VP - Land & Le	****	VP - Geoscien	***		-
	BG		SO		
OPERATING PARTY	NED APPROVAL.				
Company Nai			Working Interest (%):	т	ax ID:
Company Nai			, rorking interest (/0):	1	un 4D.
Signed	by:		Date:		
					_

	ESTIMATE OI	F COSTS AND AUTHO	ORIZATION FOR EXPENDI	TURE	
DATE:	2.17.2023			AFE NO.:	1
WELL NAME:	Bane 4-9 Federal Com 123	H		FIELD:	Teas; Bone Spring
LOCATION:	Section 4, T20S-R34E			MD/TVD:	20,610' / 10,325'
COUNTY/STATE:	Lea County, New Mexico			LATERAL LENGTH:	10,000'
Permian WI:				DRILLING DAYS:	19.6
GEOLOGIC TARGET:	SBSG			COMPLETION DAYS:	18.6
REMARKS:	Drill a horizontal SBSG we install cost	ell and complete with	1 44 stages. AFE includes (drilling, completions, fl	owback and Initial AL
		DRILLING	COMPLETION	PRODUCTION	TOTAL
INTANGIBLE C		COSTS	COSTS	COSTS	COSTS
Land / Legal / Regulatory Location, Surveys & Damag	\$_ _	54,351 265,083	16,625	37,500 2,500	\$ 91,851 284,208
Freight / Transportation	_	43,826	40,284	25,000	109,110
Rental - Surface Equipment		114,402	198,221	105,000	417,624
Rental - Downhole Equipme	ent	189,026	55,031	-	244,057
Rental - Living Quarters 0 Directional Drilling, Surve		44,244 395,255	50,131	-	94,375
o Directional Diffilling, Surve 1 Drilling		693,647			693,647
2 Drill Bits	-	92,179	-		92,179
3 Fuel & Power	_	173,853	667,183	-	841,036
4 Cementing & Float Equip	_	223,875		15.000	223,875
5 Completion Unit, Swab, C 6 Perforating, Wireline, Slick		-	361,754	15,000	15,000 361,754
7 High Pressure Pump Truck		-	113,434		113,434
8 Completion Unit, Swab, C	TU	-	134,791	-	134,791
0 Mud Circulation System	_	96,811	-	-	96,811
1 Mud Logging	ation _	16,130	7 472		16,130
2 Logging / Formation Evalu 3 Mud & Chemicals	-	6,690 332,951	7,673	10,000	14,363 746,158
4 Water	-	39,990	608,810	250,000	898,800
5 Stimulation		-	749,053	-	749,053
6 Stimulation Flowback & D		177 490	111,899	150,000	261,899
8 Mud / Wastewater Disposa 0 Rig Supervision / Engineer		177,689 111,522	56,269 122,769	21,667	233,959 255,958
2 Drlg & Completion Overh		9,591	122,709	21,007	9,591
5 Labor	-	141,116	63,942	101,667	306,725
4 Proppant	_	-	1,155,029	-	1,155,029
5 Insurance	_	13,489	22,472	2 922	13,489
7 Contingency 9 Plugging & Abandonment	_		22,472	3,833	26,305
	TOTAL INTANGIBLES >	3,235,720	4,938,578	722,167	8,896,465
		DRILLING	COMPLETION	PRODUCTION	TOTAL
TANGIBLE CO	OSTS	COSTS	COSTS	COSTS	COSTS
0 Surface Casing	\$_	112,477			\$ 112,477
1 Intermediate Casing 2 Drilling Liner	_	316,801			316,801
3 Production Casing	-	632,196			632,196
4 Production Liner	-	-	-	-	-
5 Tubing	_	-	-	140,000	140,000
6 Wellhead 7 Packers, Liner Hangers	_	59,645 13,556		40,000 20,000	99,645 33,556
8 Tanks	_	13,336		20,000	33,336
9 Production Vessels	-	-	-	45,833	45,833
70 Flow Lines		-	-	126,667	126,667
71 Rod string	_	-	-	66,667	66,667
'2 Artificial Lift Equipment '3 Compressor	_			90,000 5,833	90,000 5,833
4 Installation Costs	-			3,833	3,633
5 Surface Pumps	-	-	-	61,667	61,667
6 Downhole Pumps	_	-	-		-
7 Measurement & Meter Inst				116,667	116,667
8 Gas Conditioning/Dehyd 9 Interconnecting Facility Pi		-		20,000	20,000
0 Gathering / Bulk Lines	_			-	20,000
1 Valves, Dumps, Controller	s	-	-	108,333	108,333
2 Tank / Facility Containmer	nt	-	-	43,333	43,333
3 Flare Stack 4 Electrical / Grounding	-	-		16,667 50,000	16,667 50,000
5 Communications / SCADA	_	-		36,667	36,667
6 Instrumentation / Safety	-	-	-	833	833
	TOTAL TANGIBLES >	1,134,676	0	989,167	2,123,843
	TOTAL COSTS >	4,370,396	4,938,578	1,711,334	11,020,308
PARED BY Permian Reso	urges Operating IIC:				
TIMED DI FEIIIIAN KESO	arces Operating, LLC:				
Drilling Engineer:					
Completions Engineer:	ML				
Production Engineer:	DC				
ian Resources Operating	, LLC APPROVAL:				
Co-CEO		Co-C	FO	VP - Oper	ations
CO-CLO	WH	C0-C	IW	vi - Opci	CRM
VP - Land & Legal		VP - Geoscien	,		
Ü	BG		SO		
OPERATING PARTNE	R APPROVAL:				
			Working Interest (%):	т	ax ID:
Company Name:			**Orking Interest (%):	1	an 11.
Signed by:			Date:		
Title:			Approval:	Yes	☐ No (mark one)

DATE:

Permian Resources Operating, LLC 300 N. Marienfeld St., Ste. 1000 Midland, TX 79701 Phone (432) 695-4222 • Fax (432) 695-4063

ESTIMATE OF COSTS AND AUTHORIZATION FOR EXPENDITURE

DATE:	2.17.2023			AFE NO.:	1
	Bane 4-9 Federal Com 124	4H		FIELD:	Teas; Bone Spring
_	Section 4, T20S-R34E	** 1		MD/TVD:	20,290' / 10,005'
-				LATERAL LENGTH:	10,000'
· -	Lea County, New Mexico	<u>'</u>		DRILLING DAYS:	19.6
Permian WI:	CPCC			_	
-	SBSG	11 1 11 21		COMPLETION DAYS:	18.6
	Orill a horizontal SBSG w nstall cost	reii and complete with	144 stages. AFE includes	drilling, completions, fi	owback and Initial AL
		DRILLING	COMPLETION	PRODUCTION	TOTAL
INTANGIBLE CO	OSTS	COSTS	COSTS	COSTS	COSTS
1 Land / Legal / Regulatory	\$	54,351	-	37,500	\$ 91,851
Location, Surveys & Damage		265,083 43,826	16,625 40,284	2,500 25,000	284,208 109,110
Freight / Transportation Rental - Surface Equipment	-	114,402	198,221	105,000	417,624
6 Rental - Downhole Equipmen	nt -	189,026	55,031	-	244,057
Rental - Living Quarters		44,244	50,131	-	94,375
10 Directional Drilling, Survey	s	395,255	-	-	395,255
11 Drilling 12 Drill Bits	-	693,647 92,179			693,647 92,179
13 Fuel & Power	-	173,853	667,183		841,036
4 Cementing & Float Equip		223,875	-	-	223,875
15 Completion Unit, Swab, CT		-	201751	15,000	15,000
l6 Perforating, Wireline, Slickl 17 High Pressure Pump Truck	ine -	<u> </u>	361,754 113,434		361,754 113,434
8 Completion Unit, Swab, CT	u -		134,791		134,791
0 Mud Circulation System	•	96,811	-	-	96,811
1 Mud Logging		16,130	-	-	16,130
22 Logging / Formation Evalua 23 Mud & Chemicals	non -	6,690 332,951	7,673 403,207	10,000	14,363 746,158
23 Mud & Chemicals 24 Water	-	332,951	608,810	250,000	746,158 898,800
25 Stimulation	-	-	749,053	-	749,053
26 Stimulation Flowback & Dis	sp .	-	111,899	150,000	261,899
28 Mud/Wastewater Disposal		177,689	56,269	24.445	233,959
30 Rig Supervision / Engineeri 32 Drlg & Completion Overhea		111,522 9,591	122,769	21,667	255,958 9,591
32 Drig & Completion Overnea 35 Labor	-	141,116	63,942	101,667	306,725
54 Proppant	-	-	1,155,029	-	1,155,029
95 Insurance	-	13,489	-		13,489
97 Contingency		-	22,472	3,833	26,305
99 Plugging & Abandonment	TOTAL INTANCIBLES.		4.020.550		0.000.465
	TOTAL INTANGIBLES >	3,235,720	4,938,578	722,167	8,896,465
TANGIBLE CO	STS	DRILLING COSTS	COMPLETION COSTS	PRODUCTION COSTS	TOTAL COSTS
0 Surface Casing	\$_	112,477			\$ 112,477
51 Intermediate Casing 52 Drilling Liner	-	316,801			316,801
53 Production Casing	-	632,196			632,196
64 Production Liner	•	-	-	-	-
55 Tubing		-	-	140,000	140,000
66 Wellhead 67 Packers, Liner Hangers		59,645 13,556		40,000 20,000	99,645 33,556
i8 Tanks	-	=		20,000	33,330
9 Production Vessels	-	-	-	45,833	45,833
70 Flow Lines		-	-	126,667	126,667
71 Rod string		-		66,667 90,000	90,000
72 Artificial Lift Equipment 73 Compressor	-	-		5,833	5,833
74 Installation Costs	-	-	-		-
75 Surface Pumps		-	-	61,667	61,667
76 Downhole Pumps		-		444.447	-
77 Measurement & Meter Insta 78 Gas Conditioning / Dehydra		-	-	116,667	116,667
79 Interconnecting Facility Pip		-	-	20,000	20,000
80 Gathering / Bulk Lines		-	-	-	-
31 Valves, Dumps, Controllers		-	-	108,333	108,333
32 Tank / Facility Containment 33 Flare Stack		-	-	43,333 16,667	43,333
34 Electrical / Grounding	-			50,000	50,000
35 Communications / SCADA	-	-	-	36,667	36,667
36 Instrumentation / Safety		-	-	833	833
	TOTAL TANGIBLES >	1,134,676	0	989,167	2,123,843
	TOTAL COSTS >	4,370,396	4,938,578	1,711,334	11,020,308
PARED BY Permian Resou	race Operating IIC				
	ices Operating, LLC.				
	PS				
Drilling Engineer:					
Drilling Engineer: Completions Engineer:	ML				
Drilling Engineer:					
Drilling Engineer: Completions Engineer: Production Engineer:	ML DC				
Drilling Engineer: Completions Engineer: Production Engineer: nian Resources Operating,	ML DC LLC APPROVAL:				
Drilling Engineer: Completions Engineer: Production Engineer:	ML DC LLC APPROVAL:	Co-C	EO	VP - Oper	
Drilling Engineer: Completions Engineer: Production Engineer: nian Resources Operating,	ML DC LLC APPROVAL:		JW	VP - Oper	ationsCRM
Drilling Engineer: Completions Engineer: Production Engineer: nian Resources Operating,	ML DC LLC APPROVAL:	Co-C VP - Geoscien	JW	VP - Oper	
Drilling Engineer: Completions Engineer: Production Engineer: nian Resources Operating,	ML DC LLC APPROVAL:		JW	VP - Oper	
Drilling Engineer: Completions Engineer: Production Engineer: nian Resources Operating,	ML DC LLC APPROVAL:		JW	VP - Oper	
Drilling Engineer: Completions Engineer: Production Engineer: nian Resources Operating, Co-CEO VP - Land & Legal	ML DC LLC APPROVAL: WH BG		JW	VP - Oper	
Drilling Engineer: Completions Engineer: Production Engineer: Production Engineer: nian Resources Operating, Co-CEO VP - Land & Legal	ML DC LLC APPROVAL: WH BG		cesso		CRM
Drilling Engineer: Completions Engineer: Production Engineer: nian Resources Operating, Co-CEO VP - Land & Legal	ML DC LLC APPROVAL: WH BG		JW		CRM
Drilling Engineer: Completions Engineer: Production Engineer: Production Engineer: nian Resources Operating, Co-CEO VP - Land & Legal	ML DC LLC APPROVAL: WH BG		cesso		CRM
Drilling Engineer: Completions Engineer: Production Engineer: nian Resources Operating, Co-CEO VP - Land & Legal N OPERATING PARTNER Company Name:	ML DC LLC APPROVAL: WH BG		SO Working Interest (%):		CRM

ESTIMATE OF COSTS AND AUTHORIZATION FOR EXPENDITURE

DATE:	2.17.2023			AFE NO.:	1
WELL NAME:	Bane 4-9 Federal Com 172	2H		FIELD:	Teas; Bone Spring
LOCATION:	Section 4, T20S-R34E			MD/TVD:	20,700' / 10,415'
COUNTY/STATE:	Lea County, New Mexico			LATERAL LENGTH:	10,000'
Permian WI:				DRILLING DAYS:	19.6
GEOLOGIC TARGET:	TBSG		•	COMPLETION DAYS:	18.6
		ell and complete wit	h 44 stages. AFE includes	drilling, completions, fl	owback and Initial AL
REMARKS:	install cost				
TATE AND CORNER	COCTO	DRILLING COSTS	COMPLETION COSTS	PRODUCTION COSTS	TOTAL COSTS
INTANGIBLE (1 Land/Legal/Regulatory	\$				\$ 93,239
2 Location, Surveys & Damag	_	55,739 271,852	17,050	37,500 2,500	291,402
4 Freight / Transportation		44,945	41,312	25,000	111,257
5 Rental - Surface Equipment	t ·	117,323	203,283	105,000	425,606
6 Rental - Downhole Equipm	ent	193,853	56,437	-	250,289
7 Rental - Living Quarters		45,374	51,411		96,785
10 Directional Drilling, Surve 11 Drilling	eys .	405,348 711,359	-		405,348 711,359
12 Drill Bits	-	94,533			94,533
13 Fuel & Power	-	178,292	684,220		862,512
14 Cementing & Float Equip		229,592	-	-	229,592
15 Completion Unit, Swab, C		-	270.002	15,000	15,000
16 Perforating, Wireline, Slic			370,992		370,992
17 High Pressure Pump Truck 18 Completion Unit, Swab, C		-	116,330 138,232	-	116,330
20 Mud Circulation System		99,283	130/232		99,283
21 Mud Logging	-	16,542	-	-	16,542
22 Logging / Formation Evalu	ation	6,860	7,869	-	14,729
23 Mud & Chemicals		341,453	413,503	10,000	764,956
24 Water		41,011	624,356	300,000	965,367
25 Stimulation 26 Stimulation Flowback & I	lien -		768,180 114,757	150,000	768,180 264,757
28 Mud/Wastewater Dispos		182,227	57,706	150,000	239,933
30 Rig Supervision / Enginee		114,369	125,904	21,667	261,941
32 Drlg & Completion Overh		9,836		-	9,836
35 Labor	•	144,719	65,575	101,667	311,961
54 Proppant		40.004	1,184,522	-	1,184,522
95 Insurance		13,834	23,045	2 022	13,834
97 Contingency 99 Plugging & Abandonment			23,043	3,833	26,878
33 Trugging & Troundonnien	TOTAL INTANGIBLES >	3,318,344	5,064,685	772,167	9,155,196
	TOTAL INTANGIBLES?				
		DRILLING	COMPLETION	PRODUCTION	TOTAL
TANGIBLE C		COSTS	COSTS	COSTS	COSTS
60 Surface Casing 61 Intermediate Casing	\$ <u>.</u>	115,349 324,891	-		\$ 115,349 324,891
62 Drilling Liner		324,091			324,091
63 Production Casing		648,340			648,340
64 Production Liner	•	-	-	-	
65 Tubing		-	-	140,000	140,000
66 Wellhead		61,169	-	40,000	101,169
67 Packers, Liner Hangers		13,902		20,000	33,902
68 Tanks 69 Production Vessels	-			45,833 126,667	45,833 126,667
70 Flow Lines				66,667	66,667
71 Rod string	-	-	-	-	-
72 Artificial Lift Equipment	•	-	-	90,000	90,000
73 Compressor		-	-	5,833	5,833
74 Installation Costs				(1.77	- (1.6/7
75 Surface Pumps 76 Downhole Pumps				61,667	61,667
77 Measurement & Meter Ins	tallation			116,667	116,667
78 Gas Conditioning/Dehyd		-	-	-	-
79 Interconnecting Facility Pi	ping	-	-	20,000	20,000
80 Gathering / Bulk Lines		-		-	-
81 Valves, Dumps, Controlle		-		108,333	108,333
82 Tank / Facility Containme 83 Flare Stack		-		43,333 16,667	43,333
84 Electrical / Grounding	-			50,000	50,000
85 Communications / SCAD	١ .	-	-	36,667	36,667
86 Instrumentation / Safety	•	-	-	833	833
	TOTAL TANGIBLES >	1,163,650	0	989,167	2,152,817
	TOTAL COSTS >	4,481,994	5,064,685	1,761,334	11,308,013
EPARED BY Permian Reso	ources Operating, LLC				
	1				
Drilling Engineer	: PS				
Completions Engineer	: ML				
Production Engineer	: DC				
mian Resources Operating	, LLC APPROVAL:				
	,				
Co-CEC		Co-C	CEO	VP - Opera	ntions
	WH		JW		CRM
VP - Land & Lega	1	VP - Geoscies			
	BG		SO		
ON OPERATING PARTNE	R APPROVAL:				
Company Name	:		Working Interest (%):	Т	ax ID:
Company Name	-		. , 0111116 111101051 (/0).	18	
Signed by	:		Date:		
Title			Approval:	Yes	No (mark one)

	ESTIMATE O	F COSTS AND AUTHO	ORIZATION FOR EXPENDI	TURE	
DATE:	2.17.2023			AFE NO.:	1
WELL NAME:	Bane 4-9 Federal Com 132	H		FIELD:	Teas; Bone Spring
LOCATION:	Section 4, T20S-R34E			MD/TVD:	21,110' / 10,825'
COUNTY/STATE:	Lea County, New Mexico			LATERAL LENGTH:	10,000'
Permian WI: GEOLOGIC TARGET:	TBSG			DRILLING DAYS: COMPLETION DAYS:	19.6 18.6
GEOLOGIC TARGET:		all and complete with		_	
REMARKS:	Drill a horizontal TBSG w install cost	en and complete witi	144 stages. Are includes	urming, completions, i	lowback and mittal AL
		DRILLING	COMPLETION	PRODUCTION	TOTAL
INTANGIBLE (COSTS	COSTS	COSTS	COSTS	COSTS
1 Land / Legal / Regulatory	\$_	57,069		37,500	\$ 94,569
2 Location, Surveys & Damag	ges	278,338	17,456	2,500	298,294
4 Freight / Transportation 5 Rental - Surface Equipment	. -	46,017 120,122	42,298 208,133	25,000 105,000	113,315 433,255
6 Rental - Downhole Equipm		198,477	57,783	-	256,260
7 Rental - Living Quarters		46,457	52,637	-	99,094
10 Directional Drilling, Surve	eys	415,018	-	-	415,018
11 Drilling 12 Drill Bits	-	728,329 96,788	-	-	728,329 96,788
13 Fuel & Power	-	182,546	700,542		883,088
14 Cementing & Float Equip		235,069	-	-	235,069
15 Completion Unit, Swab, C		-	270.042	15,000	15,000
16 Perforating, Wireline, Slicl 17 High Pressure Pump Trucl		-	379,842 119,106	-	379,842 119,106
18 Completion Unit, Swab, C			141,530		141,530
20 Mud Circulation System	-	101,651	-	-	101,651
21 Mud Logging	-	16,936	-	-	16,936
22 Logging / Formation Evalu	ation	7,024	8,057	10,000	15,081
23 Mud & Chemicals 24 Water	-	349,599 41,989	423,367 639,251	10,000 300,000	782,966 981,240
25 Stimulation	-	-	786,506	-	786,506
26 Stimulation Flowback & D		-	117,494	150,000	267,494
28 Mud/Wastewater Disposa		186,574	59,083	-	245,657
30 Rig Supervision / Engineer 32 Drlg & Completion Overh		117,098 10,071	128,908	21,667	267,673
35 Labor	-	148,172	67,140	101,667	316,978
54 Proppant	-	-	1,212,780	-	1,212,780
95 Insurance		14,164	-	-	14,164
97 Contingency	_	-	23,595	3,833	27,428
99 Plugging & Abandonment	-			-	
	TOTAL INTANGIBLES >	3,397,506	5,185,507	772,167	9,355,180
		DRILLING	COMPLETION	PRODUCTION	TOTAL
TANGIBLE CO		COSTS	COSTS	COSTS	COSTS
60 Surface Casing 61 Intermediate Casing	\$_	118,101 332,642			\$ 118,101 332,642
62 Drilling Liner	-	-			-
63 Production Casing	-	663,806	-	-	663,806
64 Production Liner	_	-	-	-	-
65 Tubing 66 Wellhead	_	62,628		140,000 40,000	140,000
67 Packers, Liner Hangers	-	14,234		20,000	34,234
68 Tanks	-	-	-	45,833	45,833
69 Production Vessels	-	-	-	126,667	126,667
70 Flow Lines	_	-	-	66,667	66,667
71 Rod string 72 Artificial Lift Equipment	-	-	-	90,000	90,000
73 Compressor	-			5,833	5,833
74 Installation Costs	-	-	-		-
75 Surface Pumps	_	-	-	61,667	61,667
76 Downhole Pumps 77 Measurement & Meter Ins				117.77	110.007
77 Measurement & Meter Ins 78 Gas Conditioning / Dehyd				116,667	116,667
79 Interconnecting Facility Pi		-	-	20,000	20,000
80 Gathering / Bulk Lines		-	-	-	-
81 Valves, Dumps, Controller		-	-	108,333	108,333
32 Tank / Facility Containme 33 Flare Stack	nt _	-		43,333	43,333
83 Flare Stack 84 Electrical / Grounding	-	-		50,000	50,000
85 Communications / SCADA	_	-	-	36,667	36,667
86 Instrumentation / Safety	-	-	-	833	833
	TOTAL TANGIBLES >	1,191,410	0	989,167	2,180,577
	TOTAL COSTS >	4,588,916	5,185,507	1,761,334	11,535,757
DARED BY Boundary Book	orana Oranatina II.C.				
PARED BY Permian Reso	urces Operating, LLC:				
Drilling Engineer:	PS				
Completions Engineer:	: ML				
Production Engineer:	DC DC				
nian Resources Operating					
Co-CEO		Co-C		VP - Oper	
	WH		JW		CRM
VP - Land & Legal	P.C.	VP - Geoscien	ces		
	ВG		SO		
N OPERATING PARTNE	R APPROVAL:				
			Working Interest (%):	т	ax ID:
Company Name:			**OINING ITHEREST (%):	1	as 117.
Signed by:			Date:		
			Approval:	Voc	
Title:			Approval:	I CS	☐ No (mark one)

Permian Resources Operating, LLC 300 N. Marienfeld St., Ste. 1000 Midland, TX 79701

DATE:		F COSTS AND AUTHORI	Z.T.ION FOR EAFENDI		4
	7.2023			AFE NO.:	1
_	ne 4-9 Federal Com 113	<u>H</u>		FIELD:	Teas; Bone Spring
_	ction 4, T20S-R34E			MD/TVD:	19,895' / 9,610'
	a County, New Mexico			LATERAL LENGTH:	10,000'
Permian WI:				DRILLING DAYS:	19.6
	SG			COMPLETION DAYS:	18.6
	ill a horizontal FBSG we stall cost	ell and complete with 44	stages. AFE includes	drilling, completions, fl	lowback and Initial A
INTANGIBLE COS	TS	DRILLING COSTS	COMPLETION COSTS	PRODUCTION COSTS	TOTAL COSTS
1 Land / Legal / Regulatory	\$	52,768	-	37,500	\$ 90,26
2 Location, Surveys & Damages	_	257,363	16,141	2,500	276,00
4 Freight / Transportation	_	42,549 111,070	39,110 192,448	25,000 105,000	106,66
5 Rental - Surface Equipment 6 Rental - Downhole Equipment	_	183,520	53,429	105,000	236,94
7 Rental - Living Quarters	_	42,956	48,671	-	91,62
10 Directional Drilling, Surveys	_	383,743	-	-	383,74
11 Drilling	_	673,443	-	-	673,44
12 Drill Bits 13 Fuel & Power	_	89,495 168,789	647,751		89,49 816,54
14 Cementing & Float Equip	-	217,354	-		217,35
15 Completion Unit, Swab, CTU	-	-	-	15,000	15,00
16 Perforating, Wireline, Slicklin	e	-	351,218	-	351,21
17 High Pressure Pump Truck	_	-	110,130	-	110,13
18 Completion Unit, Swab, CTU	_		130,865		130,86
20 Mud Circulation System 21 Mud Logging	_	93,991 15,660		-	93,99
22 Logging / Formation Evaluatio	n _	6,495	7,450		13,94
23 Mud & Chemicals	_	323,254	391,463	10,000	724,71
24 Water	-	38,825	591,078	225,000	854,90
25 Stimulation	_	-	727,236	-	727,23
26 Stimulation Flowback & Disp	_	450.544	108,640	150,000	258,64
28 Mud/Wastewater Disposal	_	172,514 108,273	54,630 119,194	21,667	227,14 249,13
30 Rig Supervision / Engineering 32 Drlg & Completion Overhead	-	9,312	119,194	21,06/	9,31
35 Labor	-	137,006	62,080	101,667	300,75
54 Proppant	-	-	1,121,387	-	1,121,38
95 Insurance	_	13,096	-		13,09
97 Contingency	_	-	21,817	3,833	25,65
99 Plugging & Abandonment	_	-	-	-	-
TO	OTAL INTANGIBLES >	3,141,476	4,794,736	697,167	8,633,3
		DRILLING	COMPLETION	PRODUCTION	TOTAL
TANGIBLE COST		COSTS	COSTS	COSTS	COSTS
60 Surface Casing 61 Intermediate Casing	*_	109,201 307,574			\$ 109,20 307,57
62 Drilling Liner	-	307,374			- 307,37
63 Production Casing	_	613,783		-	613,78
64 Production Liner	_		-		-
65 Tubing		-	-	140,000	140,00
66 Wellhead	_	57,908	-	40,000	97,90
67 Packers, Liner Hangers 68 Tanks	_	13,161		20,000 45,833	33,16 45,83
69 Production Vessels	-			126,667	126,66
70 Flow Lines	-	-	-	66,667	66,66
71 Rod string	_	-	-	-	-
72 Artificial Lift Equipment	_	-	-	90,000	90,00
73 Compressor	_	-	-	5,833	5,83
74 Installation Costs 75 Surface Pumps	_	-		61,667	61,66
76 Downhole Pumps	-			- 01,007	- 01,00
77 Measurement & Meter Installa	tion _			116,667	116,66
78 Gas Conditioning/Dehydratio	on _		-		-
79 Interconnecting Facility Piping	;	-	-	20,000	20,00
80 Gathering / Bulk Lines	_	-	-	-	-
81 Valves, Dumps, Controllers	_			108,333	108,33
82 Tank / Facility Containment 83 Flare Stack	-			43,333 16,667	16,66
	_			50,000	50,00
					36,66
84 Electrical / Grounding 85 Communications / SCADA	-	-	-	36,667	
84 Electrical / Grounding	-	-	-	36,667 853	85
84 Electrical / Grounding 85 Communications / SCADA	TOTAL TANGIBLES >	1,101,627	- 0		
84 Electrical / Grounding 85 Communications / SCADA	TOTAL TANGIBLES > TOTAL COSTS >	-	0 4,794,736	853	2,090,8
84 Electrical/Grounding 85 Communications/SCADA 86 Instrumentation/Safety	TOTAL COSTS >	1,101,627		853 989,187	2,090,8
84 Electrical / Grounding 85 Communications / SCADA	TOTAL COSTS >	1,101,627		853 989,187	2,090,8
84 Electrical/Grounding 85 Communications/SCADA 86 Instrumentation/Safety	TOTAL COSTS >	1,101,627		853 989,187	2,090,8
84 Electrical/Grounding 85 Communications/SCADA 86 Instrumentation/Safety EPARED BY Permian Resourc Drilling Engineer:	TOTAL COSTS >	1,101,627		853 989,187	2,090,8
84 Electrical / Grounding 85 Communications / SCADA 86 Instrumentation / Safety PARED BY Permian Resource	es Operating, LLC:	1,101,627		853 989,187	2,090,8
84 Electrical / Grounding 85 Communications / SCADA 86 Instrumentation / Safety PARED BY Permian Resourc Drilling Engineer: Completions Engineer:	es Operating, LLC: PS ML	1,101,627		853 989,187	2,090,8
84 Electrical / Grounding 85 Communications / SCADA 86 Instrumentation / Safety PARED BY Permian Resourc Drilling Engineer: Completions Engineer: Production Engineer:	es Operating, LLC: PS ML DC	1,101,627		853 989,187	2,090,8
84 Electrical / Grounding 85 Communications / SCADA 86 Instrumentation / Safety PARED BY Permian Resourc Drilling Engineer: Completions Engineer: Production Engineer:	es Operating, LLC: PS ML DC .C APPROVAL:	1,101,627	4,794,736	853 989,187	2,090,8 10,724,1
84 Electrical / Grounding 85 Communications / SCADA 86 Instrumentation / Safety EPARED BY Permian Resourc Drilling Engineer: Completions Engineer: Production Engineer: mian Resources Operating, LI	es Operating, LLC: PS ML DC	1,101,627 4,243,103	4,794,736	853 989,187 1,686,354	2,090,8 10,724,1
84 Electrical/Grounding 85 Communications/SCADA 86 Instrumentation/Safety EPARED BY Permian Resource Drilling Engineer: Completions Engineer: Production Engineer: Inian Resources Operating, LI	es Operating, LLC: PS ML DC .C APPROVAL:	1,101,627 4,243,103	4,794,736	853 989,187 1,686,354	2,090,8 10,724,1 attions
84 Electrical / Grounding 85 Communications / SCADA 86 Instrumentation / Safety EPARED BY Permian Resourc Drilling Engineer: Completions Engineer: Production Engineer: mian Resources Operating, LI	es Operating, LLC: PS ML DC .C APPROVAL:	1,101,627 4,243,103	4,794,736	853 989,187 1,686,354	2,090,8 10,724,1 attions
84 Electrical / Grounding 85 Communications / SCADA 86 Instrumentation / Safety EPARED BY Permian Resourc Drilling Engineer: Completions Engineer: Production Engineer: mian Resources Operating, LI	es Operating, LLC: PS ML DC .C APPROVAL:	1,101,627 4,243,103	4,794,736	853 989,187 1,686,354	2,090,8 10,724,1 attions
94 Electrical / Grounding 95 Communications / SCADA 96 Instrumentation / Safety PARED BY Permian Resourc Drilling Engineer: Completions Engineer: Production Engineer: nian Resources Operating, LI Co-CEO VP - Land & Legal	PS ML DC APPROVAL:	1,101,627 4,243,103	4,794,736	853 989,187 1,686,354	2,090,8 10,724,1 attions
94 Electrical / Grounding 85 Communications / SCADA 86 Instrumentation / Safety PARED BY Permian Resourc Drilling Engineer: Completions Engineer: Production Engineer: nian Resources Operating, LI Co-CEO VP - Land & Legal	PS ML DC APPROVAL:	1,101,627 4,243,103 Co-CEO VP - Geosciences	4,794,736	853 989,187 1,686,354	2,090,8 10,724,1 attions
44 Electrical / Grounding 45 Communications / SCADA 46 Instrumentation / Safety PARED BY Permian Resourc Drilling Engineer: Completions Engineer: Production Engineer: Production Engineer: VP - Land & Legal N OPERATING PARTNER A Company Name:	PS ML DC APPROVAL:	1,101,627 4,243,103 Co-CEO VP - Geosciences	JW SO Vorking Interest (%):	853 989,187 1,686,354	2,090,8 10,724,1 ationsCRM
84 Electrical / Grounding 85 Communications / SCADA 86 Instrumentation / Safety EPARED BY Permian Resourc Drilling Engineer: Completions Engineer: Production Engineer: Mian Resources Operating, LI Co-CEO VP - Land & Legal N OPERATING PARTNER A	PS ML DC APPROVAL:	1,101,627 4,243,103 Co-CEO VP - Geosciences	4,794,736	853 989,187 1,686,354	2,090,8 10,724,11

ESTIMATE OF COSTS AND AUTHORIZATION FOR EXPENDITURE

_	2.17.2023			AFE NO.:	1
_	Bane 4-9 Federal Com 125	БН	FIELD:		
LOCATION:	Section 4, T20S-R34E			MD/TVD:	20,615' / 10,330'
COUNTY/STATE: I	Lea County, New Mexico			LATERAL LENGTH:	10,000'
Permian WI:				DRILLING DAYS:	19.6
GEOLOGIC TARGET:	SBSG		(COMPLETION DAYS:	18.6
_		ell and complete with	44 stages. AFE includes of	_	
	install cost	en una compiete wia	1 44 Stages. TH E friendles (arining, compictions, in	owback and militar 212
	nistan cost				
		DRILLING	COMPLETION	PRODUCTION	TOTAL
INTANGIBLE CO	OSTS	COSTS	COSTS	COSTS	COSTS
1 Land/Legal/Regulatory	\$	54,351		37,500	\$ 91,851
2 Location, Surveys & Damages	· _	265,083	16,625	2,500	284,208
4 Freight / Transportation	-	43,826	40,284	25,000	109,110
5 Rental - Surface Equipment	-	114,402	198,221	105,000	417,624
6 Rental - Downhole Equipmer	nt -	189,026	55,031	-	244,057
7 Rental - Living Quarters	_	44,244	50,131	-	94,375
10 Directional Drilling, Survey	s	395,255	-	-	395,255
11 Drilling	-	693,647	-	-	693,647
12 Drill Bits	-	92,179	-	-	92,179
13 Fuel & Power	-	173,853	667,183	-	841,036
14 Cementing & Float Equip		223,875	-	-	223,875
15 Completion Unit, Swab, CTI		-	-	15,000	15,000
16 Perforating, Wireline, Slickl	ine _	-	361,754	-	361,754
17 High Pressure Pump Truck		-	113,434		113,434
18 Completion Unit, Swab, CTI	_	0.044	134,791		134,791
20 Mud Circulation System	_	96,811	-		96,811
21 Mud Logging 22 Logging / Formation Evaluat	tion -	16,130 6,690	7,673		16,130 14,363
23 Mud & Chemicals	-	332,951	403,207	10,000	746,158
24 Water	-	39,990	608,810	250,000	898,800
25 Stimulation	-	39,990	749,053	250,000	749,053
26 Stimulation Flowback & Dis	sp =	-	111,899	150,000	261,899
28 Mud/Wastewater Disposal	• -	177,689	56,269	-	233,959
30 Rig Supervision / Engineerin	ng -	111,522	122,769	21,667	255,958
32 Drlg & Completion Overhea		9,591	-		9,591
35 Labor	-	141,116	63,942	101,667	306,725
54 Proppant	-	-	1,155,029	-	1,155,029
95 Insurance	_	13,489	-	-	13,489
97 Contingency	_	-	22,472	3,833	26,305
99 Plugging & Abandonment		-	-	-	-
	TOTAL INTANGIBLES >	3,235,720	4,938,578	722,167	8,896,465
		DRILLING	COMPLETION	PRODUCTION	TOTAL
TANCIBLE CO	оте	COSTS	COSTS	COSTS	COSTS
TANGIBLE COS			C0313	C0313	
60 Surface Casing	\$_	112,477 316,801			\$ 112,477 316,801
61 Intermediate Casing 62 Drilling Liner	-	310,001			310,001
63 Production Casing	-	632,196			632,196
64 Production Liner	-	032,190			032,190
65 Tubing	-	-		140,000	140,000
66 Wellhead	-	59,645		40,000	99,645
67 Packers, Liner Hangers	-	13,556		20,000	33,556
68 Tanks	-	-			
69 Production Vessels	-	-		45,833	45,833
70 Flow Lines	-	-	-	126,667	126,667
71 Rod string	-	-	-	66,667	66,667
72 Artificial Lift Equipment	-	-	-	90,000	90,000
73 Compressor	-	-	-	5,833	5,833
74 Installation Costs	_	-	-		-
75 Surface Pumps		-	-	61,667	61,667
76 Downhole Pumps		-	-		-
77 Measurement & Meter Insta		-	-	116,667	116,667
78 Gas Conditioning / Dehydra		-	-	-	-
79 Interconnecting Facility Pipi	ing _	-	-	20,000	20,000
80 Gathering / Bulk Lines	_			400.000	-
81 Valves, Dumps, Controllers	_			43,333	108,333
82 Tank / Facility Containment	· _				43,333
83 Flare Stack	-			16,667 50,000	16,667 50,000
84 Electrical / Grounding 85 Communications / SCADA	-			36,667	36,667
86 Instrumentation / Safety	-			833	833
oo moramemanon, sarety	TOTAL TANGIBLES >	1,134,676		989,167	2,123,843
	TOTAL COSTS >	4,370,396	4,938,578	1,711,334	11,020,308
	TOTAL COSTS >	4,370,390	4,730,370	1,/11,554	11,020,308
EPARED BY Permian Resou	rces Operating, LLC:				
Drilling Engineer:	PS				
Completions Engineer:	ML				
Production Engineer:	DC				
	T T C A PPP CTALL				
mian Resources Operating,	LLC APPROVAL:				
C. CTO		6.6	FO.	VID. O	
Co-CEO_	WH	Co-C	EO	VP - Opera	
			***		CRM
VP - Land & Legal		VP - Geoscien			
_	BG		SO		
N OPERATING PARTNER	APPROVAL				
JILILIIII GIANINEN					1
Company Name:			Working Interest (%):	Ta	ax ID:
-					
Signed by:			Date:		
_					
Title:			Approval:	Yes	No (mark one)
ts on this AFE are estimates only and may not be constru	ued as ceilings on any specific item or the total co	st of the project. Tubing installation appro	wed under the AFE may be delayed up to a year a	fter the well has been completed. In executing	this AFE, the Participant agrees to pay its

DATE:	2.17.2023			AFE NO.:	1
VELL NAME:	Bane 4-9 Federal Com 12	6H		FIELD:	Teas; Bone Spring
OCATION:	Section 4, T20S-R34E			MD/TVD:	20,290' / 10,005'
OUNTY/STATE:	Lea County, New Mexico)		LATERAL LENGTH:	10,000'
ermian WI:				DRILLING DAYS:	19.6
EOLOGIC TARGET:	SBSG			COMPLETION DAYS:	18.6
EMARKS:	Drill a horizontal SBSG w install cost	vell and complete with	44 stages. AFE includes	drilling, completions, fl	lowback and Initial AL
		DRILLING	COMPLETION	PRODUCTION	TOTAL
INTANGIBLE Land/Legal/Regulatory	COSTS	COSTS 54,351	COSTS	COSTS 37,500	COSTS \$ 91,851
Location, Surveys & Dama	7	265,083	16,625	2,500	284,208
Freight / Transportation		43,826	40,284	25,000	109,110
Rental - Surface Equipmer		114,402	198,221	105,000	417,624
Rental - Downhole Equips Rental - Living Quarters	nent	189,026 44,244	55,031 50,131		244,057 94,375
Directional Drilling, Surv	reys	395,255	-		395,255
Drilling		693,647	-	-	693,647
Drill Bits		92,179	- - -		92,179
Fuel & Power Cementing & Float Equip		173,853 223,875	667,183		841,036 223,875
Completion Unit, Swab, (-		15,000	15,000
Perforating, Wireline, Slie		-	361,754	-	361,754
High Pressure Pump Truc		-	113,434	-	113,434
Completion Unit, Swab, C	TU	06.011	134,791		134,791
Mud Circulation System Mud Logging		96,811 16,130	-		96,811 16,130
Logging / Formation Eval	uation	6,690	7,673		14,363
Mud & Chemicals	•	332,951	403,207	10,000	746,158
Water	•	39,990	608,810	250,000	898,800
Stimulation Stimulation Flowback & l	Disn	-	749,053 111,899	150,000	749,053 261,899
Mud/Wastewater Dispos		177,689	56,269	150,000	233,959
Rig Supervision / Engine	ering	111,522	122,769	21,667	255,958
Drlg & Completion Overl		9,591	-	-	9,591
Labor	•	141,116	63,942 1,155,029	101,667	306,725
Proppant Insurance	,	13,489	1,155,029	-	1,155,029 13,489
Contingency	•	-	22,472	3,833	26,305
Plugging & Abandonmen		-	-	-	-
	TOTAL INTANGIBLES >	3,235,720	4,938,578	722,167	8,896,46
TANGIBLE C	COSTS	DRILLING COSTS	COMPLETION COSTS	PRODUCTION COSTS	TOTAL COSTS
Surface Casing	\$	112,477	-	-	\$ 112,477
Intermediate Casing	,	316,801			316,801
Drilling Liner Production Casing	•	632,196			632,196
Production Liner	,	-			
Tubing	•	-	-	140,000	140,000
Wellhead		59,645	-	40,000	99,645
Packers, Liner Hangers Tanks	,	13,556		20,000	33,556
Production Vessels				45,833	45,833
Flow Lines		-	-	126,667	126,667
I Rod string		-	-	66,667	66,667
2 Artificial Lift Equipment		-		90,000	90,000
Compressor Installation Costs		-	-	5,833	5,833
Surface Pumps				61,667	61,667
Downhole Pumps	•	-	-		-
Measurement & Meter In		-	-	116,667	116,667
Gas Conditioning / Dehy		-		20.000	20.000
Interconnecting Facility P Gathering / Bulk Lines	iping	<u>-</u> _		20,000	20,000
Valves, Dumps, Controlle	ers	-	-	108,333	108,333
Tank / Facility Containme		-	-	43,333	43,333
Flare Stack	•	-	-	16,667	16,667
Electrical / Grounding Communications / SCAD	Δ .	-	-	50,000 36,667	50,000 36,667
Instrumentation / Safety		-		833	833
,	TOTAL TANGIBLES >	1,134,676	0	989,167	2,123,843
	TOTAL COSTS >	4,370,396	4,938,578	1,711,334	11,020,30
APED BY B	ourses Ontime TTC				
	ources Operating, LLC:				
Drilling Engineer					
Completions Engineer Production Engineer					
an Resources Operatin	g, LLC APPROVAL:				
Co-CEO		Co-C	EO	VP - Oper	
VD 1 2-1 0-1	WH	VD C	***		CRM
VP - Land & Lega	BG	VP - Geoscien	SO		
OPERATING PARTNI	ER APPROVAL:				
Company Name	2:		Working Interest (%):	T	ax ID:
Signed by	r:		Date:		
Signed by	··-		Date.		

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_	2.17.2023			AFE NO.:	1
_	Bane 4-9 Federal Com 173	H		_	Teas; Bone Spring
_	Section 4, T20S-R34E			_	20,700' / 10,415'
COUNTY/STATE: I Permian WI:	ea County, New Mexico		FIELD: Teas MD/IVD: 20.7	19.6	
_	TBSG			18.6	
_		ell and complete with		_	
	nstall cost	r		8, 1, 1, 1,	
		DRILLING			TOTAL
INTANGIBLE CO 1 Land / Legal / Regulatory	\$ \$		COSIS		COSTS \$ 93,239
2 Location, Surveys & Damages			17,050		291,402
Freight / Transportation	_				111,257
Rental - Surface Equipment	. =				425,606
Rental - Downhole Equipmer Rental - Living Quarters	ıt _				250,289 96,785
0 Directional Drilling, Surveys	_				405,348
1 Drilling	_				711,359
12 Drill Bits	_				94,533
3 Fuel & Power 4 Cementing & Float Equip	_		684,220		862,512 229,592
15 Completion Unit, Swab, CTI	J -				15,000
6 Perforating, Wireline, Slickli					370,992
7 High Pressure Pump Truck					116,330
8 Completion Unit, Swab, CTU	_		138,232		138,232
0 Mud Circulation System 1 Mud Logging	_				99,283
2 Logging / Formation Evaluat	ion				14,729
23 Mud & Chemicals	_		413,503		764,956
24 Water	_	41,011			965,367
25 Stimulation 26 Stimulation Flowback & Dis					768,180 264,757
28 Mud/Wastewater Disposal	P				239,933
30 Rig Supervision / Engineerin	ng —	114,369		21,667	261,941
32 Drlg & Completion Overhea	d				9,836
35 Labor	_				311,961 1,184,522
54 Proppant 95 Insurance	_				1,184,522
97 Contingency	_				26,878
99 Plugging & Abandonment		-	-	-	-
	TOTAL INTANGIBLES >	3,318,344	5,064,685	772,167	9,155,196
		DRILLING	COMPLETION	PRODUCTION	TOTAL
TANGIBLE COS	STS	COSTS			COSTS
0 Surface Casing	\$_				
1 Intermediate Casing	_	324,891			324,891
2 Drilling Liner 3 Production Casing	_	648 340			648,340
54 Production Liner	-				040,340
55 Tubing	-	-	-	140,000	140,000
66 Wellhead	_		-		101,169
77 Packers, Liner Hangers	_				33,902 45,833
58 Tanks 59 Production Vessels	_				126,667
70 Flow Lines	-	-	-		66,667
71 Rod string		-	-		
72 Artificial Lift Equipment	_				90,000
'3 Compressor '4 Installation Costs	_			5,833	5,833
75 Surface Pumps	_			61,667	61,667
6 Downhole Pumps	_	-	-		-
7 Measurement & Meter Instal		-	-		116,667
78 Gas Conditioning / Dehydra					20,000
79 Interconnecting Facility Pipi 80 Gathering / Bulk Lines					20,000
1 Valves, Dumps, Controllers	_	-	-		108,333
2 Tank / Facility Containment	_	-	-		43,333
3 Flare Stack	=				16,667
34 Electrical / Grounding 35 Communications / SCADA	_		-		50,000 36,667
86 Instrumentation / Safety	-				833
	TOTAL TANGIBLES >	1,163,650	0		2,152,817
	TOTAL COSTS >	4,481,994	5,064,685	1,761,334	11,308,013
PARED BY Permian Resou	rces Operating, LLC:				
	1				
Drilling Engineer:	PS				
Completions Engineer:	ML				
Production Engineer:	DC				
ian Resources Operating, l	LLC APPROVAL:				
Co-CEO		Co C	FO	V/D ()	ations
	WH	C0-C1		vi - Oper	CRM
VP - Land & Legal		VP - Geoscien	***		
_	BG				
OPERATING PARTNER	APPROVAL:				
Company Name:			Working Interest (%):	т	ax ID:
company runte.					
Signed by:			Date:		

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	ESTIMATE O	OF COSTS AND AUTHO	RIZATION FOR EXPENDI	ITURE					
DATE:	2.17.2023			AFE NO.:	1				
WELL NAME:	Bane 4-9 Federal Com 13	3H		FIELD:	Teas; Bone Spring				
LOCATION:	Section 4, T20S-R34E			MD/TVD:	21,110' / 10,825'				
COUNTY/STATE:	Lea County, New Mexico)		LATERAL LENGTH:	10,000'				
Permian WI:	zea county) i terr inicate			DRILLING DAYS:	19.6				
	TBSG			_	18.6				
GEOLOGIC TARGET:		11 1 1 21		COMPLETION DAYS:					
REMARKS:	install cost	Drill a horizontal TBSG well and complete with 44 stages. AFE includes drilling, completions, flowback and Initial AL install cost							
INTANGIBLI	COCTO	DRILLING COSTS	COMPLETION COSTS	PRODUCTION COSTS	TOTAL COSTS				
1 Land / Legal / Regulatory	\$	57,069		37,500	\$ 94,569				
2 Location, Surveys & Dam		278,338	17,456	2,500	298,294				
4 Freight / Transportation		46,017	42,298	25,000	113,315				
5 Rental - Surface Equipme		120,122	208,133	105,000	433,255				
6 Rental - Downhole Equip	ment	198,477	57,783		256,260				
7 Rental - Living Quarters 10 Directional Drilling, Sur		46,457 415,018	52,637	-	99,094 415,018				
11 Drilling	veys	728,329			728,329				
12 Drill Bits		96,788	-		96,788				
13 Fuel & Power		182,546	700,542	-	883,088				
14 Cementing & Float Equi		235,069	-	-	235,069				
15 Completion Unit, Swab,			270.942	15,000	15,000				
16 Perforating, Wireline, Sl 17 High Pressure Pump Tru			379,842 119,106		379,842 119,106				
18 Completion Unit, Swab,			141,530		141,530				
20 Mud Circulation System		101,651	-	-	101,651				
21 Mud Logging		16,936	-	-	16,936				
22 Logging / Formation Eva	luation	7,024	8,057	40.000	15,081				
23 Mud & Chemicals 24 Water		349,599 41,989	423,367 639,251	10,000 300,000	782,966 981,240				
24 Water 25 Stimulation		41,989	786,506	300,000	981,240 786,506				
26 Stimulation Flowback &	Disp	-	117,494	150,000	267,494				
28 Mud/Wastewater Dispo		186,574	59,083	-	245,657				
30 Rig Supervision / Engine	eering	117,098	128,908	21,667	267,673				
32 Drlg & Completion Over	rhead	10,071	-	-	10,071				
35 Labor		148,172	67,140	101,667	316,978				
54 Proppant 95 Insurance		14,164	1,212,780		1,212,780				
97 Contingency		- 11,101	23,595	3,833	27,428				
99 Plugging & Abandonme	nt	-	-	-	-				
	TOTAL INTANGIBLES >	3,397,506	5,185,507	772,167	9,355,180				
		DRILLING	COMPLETION	PRODUCTION	TOTAL				
TANGIBLE	COSTS	COSTS	COSTS	COSTS	COSTS				
60 Surface Casing	\$	118,101	-	-	\$ 118,101				
61 Intermediate Casing		332,642	-	-	332,642				
62 Drilling Liner		-	-	-	-				
63 Production Casing		663,806	-		663,806				
64 Production Liner 65 Tubing				140,000	140,000				
66 Wellhead		62,628		40,000	102,628				
67 Packers, Liner Hangers		14,234	-	20,000	34,234				
68 Tanks		-	-	45,833	45,833				
69 Production Vessels		-	-	126,667	126,667				
70 Flow Lines		-	-	66,667	66,667				
71 Rod string 72 Artificial Lift Equipmen	t			90,000	90,000				
73 Compressor	•	-	-	5,833	5,833				
74 Installation Costs		-	-		-				
75 Surface Pumps		-	-	61,667	61,667				
76 Downhole Pumps		-		444.447	447.77				
77 Measurement & Meter II 78 Gas Conditioning / Dehy		-	-	116,667	116,667				
79 Interconnecting Facility				20,000	20,000				
80 Gathering / Bulk Lines	1 0	-	-		-				
81 Valves, Dumps, Control		-	-	108,333	108,333				
82 Tank / Facility Containm	nent		-	43,333	43,333				
83 Flare Stack		-		16,667 50,000	16,667				
84 Electrical / Grounding 85 Communications / SCAI	OA.			36,667	50,000 36,667				
86 Instrumentation / Safety		-	-	833	833				
	TOTAL TANGIBLES >	1,191,410	0	989,167	2,180,577				
	TOTAL COSTS >	4,588,916	5,185,507	1,761,334	11,535,757				
PARED BY Permian Re	sources Operating, LLC:								
D.30 P. 1									
Drilling Engine									
Completions Engine									
Production Engine	er: DC								
nian Resources Operatii	ng IIC APPROVAL								
man Resources Operam	ilg, EEC ATTROVAL.								
Co-CE		Co-CI		VP - Oper	ations				
	WH		JW		CRM				
VP - Land & Leg	gal	VP - Geoscieno	ces						
	BG		SO						
N OPERATING PARTN	FR APPROVAL.								
Company Nan	ne:		Working Interest (%):	T	ax ID:				
C: 11	27.		Data						
Signed b	y	-	Date:						
Tit	le:		Approval:	Yes	☐ No (mark one)				

BEFORE THE OIL CONSERVATION DIVISION

Santa Fe, New Mexico
Exhibit No. C-10

Submitted by: Read & Stevens, Inc., Hearing Date: July 20, 2023

Case No. 23511

Permian Resources Operating, LLC

300 N. Marienfeld St., Ste. 1000 Midland, TX 79701

DATE:	2.17.2023			AFE NO.:	1
WELL NAME:	Bane 4-9 Federal Com 114	IH .		FIELD:	Teas; Bone Spring
LOCATION:	Section 4, T20S-R34E			MD/TVD:	19,875' / 9,590'
COUNTY/STATE:	Lea County, New Mexico			LATERAL LENGTH:	10,000'
Permian WI:	Lea County, New Mexico			DRILLING DAYS:	19.6
	FBSG				
GEOLOGIC TARGET:		11 1 11 21		COMPLETION DAYS:	18.6
REMARKS:	Drill a horizontal FBSG w install cost	ell and complete with	144 stages. AFE includes	arilling, completions, flo	wback and Initial A
		DRILLING	COMPLETION	PRODUCTION	TOTAL
INTANGIBL		COSTS	COSTS	COSTS	COSTS
1 Land / Legal / Regulatory 2 Location, Surveys & Dam		52,768 257,363	16,141	37,500 2,500	\$ 90,26 276,00
4 Freight / Transportation	ages -	42,549	39,110	25,000	106,66
5 Rental - Surface Equipme	ent -	111,070	192,448	105,000	408,51
6 Rental - Downhole Equip		183,520	53,429	-	236,94
7 Rental - Living Quarters	-	42,956	48,671	-	91,62
10 Directional Drilling, Sur 11 Drilling	veys	383,743 673,443	-		383,74 673,44
12 Drill Bits	-	89,495	-		89,49
13 Fuel & Power	·-	168,789	647,751		816,54
14 Cementing & Float Equi		217,354	-	-	217,35
15 Completion Unit, Swab,		-	-	15,000	15,00
16 Perforating, Wireline, Sl			351,218 110,130		351,21 110,13
17 High Pressure Pump Tro 18 Completion Unit, Swab,		-	130,865		130,86
20 Mud Circulation Systen		93,991			93,99
21 Mud Logging	·-	15,660	-	-	15,66
22 Logging / Formation Eva	luation	6,495	7,450	-	13,94
23 Mud & Chemicals	-	323,254	391,463	10,000	724,71
24 Water 25 Stimulation	-	38,825	591,078 727,236	225,000	854,90 727,23
26 Stimulation Flowback &	Disp		108,640	150,000	258,64
28 Mud/Wastewater Disp		172,514	54,630	-	227,14
30 Rig Supervision / Engin	eering -	108,273	119,194	21,667	249,13
32 Drlg & Completion Ove	rhead	9,312	-	-	9,31
35 Labor		137,006	62,080	101,667	300,75
54 Proppant 95 Insurance	-	13,096	1,121,387	-	1,121,38
97 Contingency	-	13,050	21,817	3,833	25,65
99 Plugging & Abandonme	ent	-			
	TOTAL INTANGIBLES >	3,141,476	4,794,736	697,167	8,633,33
		DRILLING	COMPLETION	PRODUCTION	TOTAL
TANGIBLE 60 Surface Casing	COSTS	COSTS 109,201	COSTS	COSTS	COSTS \$ 109,20
61 Intermediate Casing	*-	307,574	-		307,57
62 Drilling Liner	-	-	-	-	-
63 Production Casing		613,783	-	-	613,78
64 Production Liner	_	-	-	-	-
65 Tubing 66 Wellhead	-	57,908		140,000 40,000	140,00 97,90
67 Packers, Liner Hangers	-	13,161		20,000	33,16
68 Tanks	-	-		45,833	45,83
69 Production Vessels	-	-	-	126,667	126,66
70 Flow Lines	-	-	-	66,667	66,66
71 Rod string 72 Artificial Lift Equipmen			-	90,000	90,00
73 Compressor	-		<u>-</u>	5,833	5,83
74 Installation Costs	-			-	-
75 Surface Pumps	·-	-	-	61,667	61,66
76 Downhole Pumps		-	-	-	
77 Measurement & Meter I	_	-		116,667	116,66
78 Gas Conditioning / Deh 79 Interconnecting Facility				20,000	20,00
80 Gathering / Bulk Lines	- iping			20,000	20,00
81 Valves, Dumps, Control	lers	-	-	108,333	108,33
82 Tank / Facility Contains	nent	-	-	43,333	43,33
83 Flare Stack	-			16,667	16,66
84 Electrical / Grounding 85 Communications / SCAI	DA -			50,000 36,667	50,00 36,66
86 Instrumentation / Safety				853	85
,	TOTAL TANGIBLES >	1,101,627	0	989,187	2,090,8
	TOTAL COSTS >	4,243,103	4,794,736	1,686,354	10,724,1
EPARED BY Permian Re	sources Operating, LLC:				
Drilling Engine	er: PS				
Completions Engine	er: ML				
Production Engine	er: DC				
mian Resources Operati	ng IIC APPROVAI:				
Co-Cl		Co-C	EO	VP - Operati	ons
VD T 1 2 T	WH		Jvv		CRM
VP - Land & Le	gai	VP - Geoscien	ces		
	DG.		30		
N OPERATING PARTN	ER APPROVAL:				
N OPERATING PARTN Company Nar			Working Interest (%):	Tax	ID:
	ne:			Tax	ID:
	ne: 		Working Interest (%): Date:		ID:

Permian Resources Operating, LLC 300 N. Marienfeld St., Ste. 1000 Midland, TX 79701

	ESTIMATE OF	COSTS AND AUTHO	RIZATION FOR EXPENDI	TURE	
ATE:	2.17.2023			AFE NO.:	1
ELL NAME:	Bane 4-9 Federal Com 127	H		FIELD:	Teas; Bone Spring
OCATION:	Section 4, T20S-R34E			MD/TVD:	20,615' / 10,330'
OUNTY/STATE: ermian WI:	Lea County, New Mexico			LATERAL LENGTH:	10,000'
EOLOGIC TARGET:	SBSG			DRILLING DAYS: COMPLETION DAYS:	19.6 18.6
EOLOGIC TARGET.	Drill a horizontal SBSG we	ell and complete with			
EMARKS:	install cost			8, 1, 1, 1,	
INTANGIBLI	F COSTS	DRILLING COSTS	COMPLETION COSTS	PRODUCTION COSTS	TOTAL COSTS
Land/Legal/Regulatory		54,351	-	37,500	\$ 91,851
Location, Surveys & Dam	ages	265,083 43,826	16,625	2,500	284,208
Freight / Transportation Rental - Surface Equipme	ent _	114,402	40,284 198,221	25,000 105,000	109,110
Rental - Downhole Equip	ment	189,026	55,031	-	244,057
Rental - Living Quarters 0 Directional Drilling, Sur	TIONS	44,244 395,255	50,131		94,375 395,255
l Drilling	_	693,647			693,647
2 Drill Bits	_	92,179	-	-	92,179
3 Fuel & Power 4 Cementing & Float Equi	p	173,853 223,875	667,183	-	841,036 223,875
5 Completion Unit, Swab,		-	-	15,000	15,000
6 Perforating, Wireline, Sl		-	361,754	-	361,754
7 High Pressure Pump Tru 8 Completion Unit, Swab,		-	113,434 134,791		113,434 134,791
0 Mud Circulation System		96,811	-		96,811
1 Mud Logging 2 Logging / Formation Eva	Justion	16,130 6,690	7,673	-	16,130 14,363
2 Logging/Formation Eva 3 Mud & Chemicals		332,951	403,207	10,000	746,158
4 Water	_	39,990	608,810	250,000	898,800
5 Stimulation	Dien	-	749,053	150,000	749,053 261,899
6 Stimulation Flowback & 8 Mud/Wastewater Dispo		177,689	111,899 56,269	150,000	233,959
0 Rig Supervision / Engine	eering	111,522	122,769	21,667	255,958
2 Drlg & Completion Over 5 Labor	rhead	9,591 141,116	63,942	101,667	9,591 306,725
4 Proppant	-	- 141,110	1,155,029	101,007	1,155,029
5 Insurance	_	13,489	-	-	13,489
7 Contingency 9 Plugging & Abandonme	ent _	-	22,472	3,833	26,305
o ranggang te rabanatime	TOTAL INTANGIBLES >	3,235,720	4,938,578	722,167	8,896,465
T. VOTE	COOTE	DRILLING COSTS	COMPLETION COSTS	PRODUCTION COSTS	TOTAL COSTS
TANGIBLE 0 Surface Casing	\$	112,477	-	-	\$ 112,477
1 Intermediate Casing	` <u> </u>	316,801	-	-	316,801
2 Drilling Liner 3 Production Casing		622.106	-		622.106
4 Production Liner	_	632,196			632,196
5 Tubing	_	-		140,000	140,000
6 Wellhead 7 Packers, Liner Hangers	_	59,645 13,556		40,000 20,000	99,645 33,556
8 Tanks	_	-		=	- 35,550
9 Production Vessels	_	-	-	45,833	45,833
0 Flow Lines 1 Rod string	_			126,667 66,667	126,667 66,667
2 Artificial Lift Equipmen	t -	-	-	90,000	90,000
3 Compressor		-	-	5,833	5,833
4 Installation Costs 5 Surface Pumps	_	-		61,667	61,667
6 Downhole Pumps	_	-	-	01,007	- 01,007
7 Measurement & Meter In		-	-	116,667	116,667
8 Gas Conditioning / Dehy 9 Interconnecting Facility				20,000	20,000
0 Gathering / Bulk Lines	_	-	-		-
1 Valves, Dumps, Control		-	-	108,333	108,333
2 Tank / Facility Containm 3 Flare Stack	ient			43,333 16,667	43,333
4 Electrical / Grounding	_		-	50,000	50,000
5 Communications / SCAI		-	-	36,667	36,667
6 Instrumentation / Safety	TOTAL TANGIBLES >	1,134,676	- 0	833 989,167	2,123,843
	TOTAL COSTS >	4,370,396	4,938,578	1,711,334	11,020,308
PARED BY Permian Re	sources Operating, LLC:				
Drilling Engine					
Completions Engine					
Production Engine	er: DC				
ian Resources Operatii	ng IIC APPROVAL				
			50	T. C.	
Co-CE	WH WH	Co-Cl	EO	VP - Opera	CRM
VP - Land & Leg		VP - Geoscieno	***		CAW
	BG		SO		
OPERATING PARTN	IER APPROVAL:				
Company Nan	ne:		Working Interest (%):	T	ax ID:
Signed b	oy:		Date:		

Released to Imaging: 7/14/2023 1:35:37 PM

DATE:	2.17.2023		DRIZATION FOR EXPENDE	AFE NO.:	1
VELL NAME:	Bane 4-9 Federal Com 128I	I		FIELD:	Teas; Bone Spring
OCATION:	Section 4, T20S-R34E			MD/TVD:	20,290' / 10,005'
COUNTY/STATE:	Lea County, New Mexico			LATERAL LENGTH:	10,000'
Permian WI:		•		DRILLING DAYS:	19.6
GEOLOGIC TARGET:	SBSG			COMPLETION DAYS:	18.6
DEM A DIVO	Drill a horizontal SBSG we	ll and complete with	1 44 stages. AFE includes	drilling, completions, f	lowback and Initial Al
REMARKS:	install cost				
INTANGIBLE (COSTS	DRILLING COSTS	COMPLETION COSTS	PRODUCTION COSTS	TOTAL COSTS
I Land/Legal/Regulatory	\$	54,351	-	37,500	\$ 91,85
2 Location, Surveys & Damag	es	265,083	16,625	2,500	284,20
Freight / Transportation	_	43,826	40,284	25,000	109,110
5 Rental - Surface Equipment 6 Rental - Downhole Equipm		114,402 189,026	198,221 55,031	105,000	417,624 244,05
7 Rental - Living Quarters		44,244	50,131		94,375
10 Directional Drilling, Surve	eys —	395,255	-	-	395,255
11 Drilling		693,647	-	-	693,647
12 Drill Bits	_	92,179			92,179
13 Fuel & Power 14 Cementing & Float Equip	_	173,853 223,875	667,183	-	841,036 223,875
15 Completion Unit, Swab, C	TU	-		15,000	15,000
16 Perforating, Wireline, Slicl	kline	-	361,754		361,754
17 High Pressure Pump Trucl		-	113,434	-	113,434
18 Completion Unit, Swab, C	IU	06 911	134,791	-	134,791
20 Mud Circulation System 21 Mud Logging	_	96,811 16,130	-	-	96,811 16,130
21 Mud Logging 22 Logging / Formation Evalu	ation	6,690	7,673		14,363
23 Mud & Chemicals	_	332,951	403,207	10,000	746,158
24 Water	_	39,990	608,810	250,000	898,800
25 Stimulation		-	749,053	150,000	749,053
26 Stimulation Flowback & D 28 Mud/Wastewater Disposa		177,689	111,899 56,269	150,000	261,899
30 Rig Supervision / Engineer		111,522	122,769	21,667	255,958
32 Drlg & Completion Overh		9,591	=	-	9,59
35 Labor	_	141,116	63,942	101,667	306,725
54 Proppant	_	-	1,155,029	-	1,155,029
95 Insurance	_	13,489	22,472	3,833	13,489
97 Contingency 99 Plugging & Abandonment	-		- 22,472	3,833	26,303
00 0	TOTAL INTANGIBLES >	3,235,720	4,938,578	722,167	8,896,46
		DRILLING	COMPLETION	PRODUCTION	TOTAL
TANGIBLE CO 60 Surface Casing	OSTS \$	COSTS 112,477	COSTS	COSTS	COSTS \$ 112,477
61 Intermediate Casing	Ψ	316,801			316,80
62 Drilling Liner	-	-	-	-	-
63 Production Casing	_	632,196	-		632,196
64 Production Liner	_	-	-	-	-
65 Tubing 66 Wellhead	_	59,645	-	140,000 40,000	140,000
67 Packers, Liner Hangers	_	13,556		20,000	33,550
68 Tanks	_	-	-	-	-
69 Production Vessels		-	-	45,833	45,833
70 Flow Lines	_	-		126,667	126,667
71 Rod string 72 Artificial Lift Equipment	_	-		66,667 90,000	90,000
73 Compressor	_			5,833	5,833
74 Installation Costs	-	-	-		-
75 Surface Pumps		-	-	61,667	61,667
76 Downhole Pumps		-		444.447	-
77 Measurement & Meter Ins		-		116,667	116,667
78 Gas Conditioning / Dehyd 79 Interconnecting Facility Pi				20,000	20,000
80 Gathering / Bulk Lines	-	-	-		= 5,000
81 Valves, Dumps, Controller		-	-	108,333	108,333
82 Tank / Facility Containmen	nt	-	-	43,333	43,333
83 Flare Stack 84 Electrical / Grounding	_	-	-	16,667 50,000	16,667
84 Electrical / Grounding 85 Communications / SCADA	_			36,667	36,667
86 Instrumentation / Safety	_	-		833	833
,9	TOTAL TANGIBLES >	1,134,676	0	989,167	2,123,84
	TOTAL COSTS >	4,370,396	4,938,578	1,711,334	11,020,30
PARED BY Permian Reso	urces Operating, LLC:				
Drilling Engineer:	PS				
Completions Engineer:					
Production Engineer:					
nian Resources Operating	, LLC APPROVAL:				
Co-CEO		Co-C		VP - Oper	
	WH		JW		CRM
VP - Land & Legal	BG	VP - Geoscien	ces		
	BG		SO		
N OPERATING PARTNE	R APPROVAL:				
Company Name:			Working Interest (%):	Т	ax ID:
Signed by:			Date:		
Title:			Approval:	Yes	☐ No (mark one)

Permian Resources Operating, LLC 300 N. Marienfeld St., Ste. 1000 Midland, TX 79701

	ESTIMATE O	F COSTS AND AUTHO	RIZATION FOR EXPENDE	ITURE	
DATE:	2.17.2023			AFE NO.:	1
VELL NAME:	Bane 4-9 Federal Com 174	H		FIELD:	Teas; Bone Spring
	Section 4, T20S-R34E			MD/TVD:	20,700' / 10,415'
OUNTY/STATE:	Lea County, New Mexico			LATERAL LENGTH:	10,000'
ermian WI:				DRILLING DAYS:	19.6
	TBSG			COMPLETION DAYS:	18.6
	Drill a horizontal TBSG w install cost	ell and complete with	44 stages. AFE includes	drilling, completions, f	lowback and Initial AL
EWARKS.	nistan cost				
INTANGIBLE C	OSTS	DRILLING COSTS	COMPLETION COSTS	PRODUCTION COSTS	TOTAL COSTS
Land/Legal/Regulatory	\$_	55,739	-	37,500	\$ 93,239
ocation, Surveys & Damage	es	271,852	17,050	2,500	291,402
reight / Transportation Rental - Surface Equipment	-	44,945 117,323	41,312 203,283	25,000 105,000	111,257 425,606
Rental - Downhole Equipme	ent –	193,853	56,437	=	250,289
Rental - Living Quarters		45,374	51,411	-	96,785
Directional Drilling, Surve	ys	405,348	-	-	405,348
Drilling Drill Bits	-	711,359 94,533			711,359 94,533
Fuel & Power	-	178,292	684,220	-	862,512
Cementing & Float Equip		229,592	-	-	229,592
Completion Unit, Swab, Cl		-	270.002	15,000	15,000
Perforating, Wireline, Slick High Pressure Pump Truck			370,992 116,330		370,992 116,330
Completion Unit, Swab, Cl			138,232		138,232
Mud Circulation System	-	99,283	-	-	99,283
Mud Logging		16,542	-	-	16,542
Logging / Formation Evalua Mud & Chemicals	anon _	6,860 341,453	7,869 413,503	10,000	14,729 764,956
Water	-	41,011	624,356	300,000	965,367
Stimulation	-	-	768,180	-	768,180
Stimulation Flowback & D		182 227	114,757	150,000	264,757
Mud/Wastewater Disposa Rig Supervision/Engineer		182,227 114,369	57,706 125,904	21,667	239,933 261,941
Drlg & Completion Overhe		9,836	125,904	21,007	9,836
Labor	-	144,719	65,575	101,667	311,961
Proppant		-	1,184,522	-	1,184,522
Insurance	_	13,834	23,045	3,833	13,834 26,878
Contingency Plugging & Abandonment	-	-	23,043		20,070
00 0	TOTAL INTANGIBLES >	3,318,344	5,064,685	772,167	9,155,196
		DRILLING	COMPLETION	PRODUCTION	TOTAL
TANGIBLE CO Surface Casing	STS \$	COSTS 115,349	COSTS	COSTS	COSTS \$ 115,349
Intermediate Casing	-	324,891			324,891
Drilling Liner	-	-	-	-	-
Production Casing		648,340	-	-	648,340
Production Liner	_			140,000	140.000
Tubing Wellhead	-	61,169		40,000	140,000 101,169
Packers, Liner Hangers	-	13,902	-	20,000	33,902
Tanks		-	-	45,833	45,833
Production Vessels		-	-	126,667	126,667
Flow Lines Rod string	-	-		66,667	66,667
Artificial Lift Equipment	-			90,000	90,000
Compressor	-	-	-	5,833	5,833
Installation Costs	_	-	-		-
Surface Pumps Downhole Pumps	-	-	-	61,667	61,667
Measurement & Meter Inst	allation _	 -		116,667	116,667
Gas Conditioning/Dehydr		-	-	-	-
Interconnecting Facility Pip	oing	-	-	20,000	20,000
Gathering / Bulk Lines	_	-		100 222	100 222
Valves, Dumps, Controllers Tank/Facility Containmen		-		108,333	108,333
Flare Stack	-	-		16,667	16,667
Electrical / Grounding	-	-		50,000	50,000
Communications / SCADA	_	-	-	36,667	36,667
Instrumentation / Safety	TOTAL TANGIBLES >	1,163,650		833 989,167	2,152,817
	TOTAL COSTS >	4,481,994	5,064,685	1,761,334	11,308,013
		7.5.75			
ARED BY Permian Resor	urces Operating, LLC:				
Drilling Engineer:	PS				
Completions Engineer:	ML				
Production Engineer:	DC				
an Resources Operating,	LLC APPROVAL:				
			FO.	.m. o	
Co-CEO	WH	Co-C	EO	VP - Oper	CRM
VP - Land & Legal		VP - Geoscien	***		CAIVI
a a regul	BG	Georgia	SO		
OPERATING PARTNEI					
Company Name:			Working Interest (%):	T	ax ID:
Signed by:			Date:		
				Voc	
Title:			Approval:	Yes	☐ No (mark one)

ESTIMATE OF COSTS AND AUTHORIZATION FOR EXPENDITURE

_	2.17.2023			AFE NO.:	1
_	Bane 4-9 Federal Com 134	H	FIELD:		
LOCATION:	Section 4, T20S-R34E			MD/TVD:	21,110' / 10,825'
COUNTY/STATE:	Lea County, New Mexico			LATERAL LENGTH:	10,000'
Permian WI:				DRILLING DAYS:	19.6
GEOLOGIC TARGET:	ГВSG		(COMPLETION DAYS:	18.6
-		ell and complete with	1 44 stages. AFE includes	_	
	install cost	en ana complete witi	1 44 Stages. 211 E frictades	arming, completions, in	owback and mittai ME
	nistan cost				
		DRILLING	COMPLETION	PRODUCTION	TOTAL
INTANGIBLE CO	OSTS	COSTS	COSTS	COSTS	COSTS
1 Land / Legal / Regulatory	\$	57,069		37,500	\$ 94,569
2 Location, Surveys & Damages	_	278,338	17,456	2,500	298,294
4 Freight / Transportation	_	46,017	42,298	25,000	113,315
5 Rental - Surface Equipment	-	120,122	208,133	105,000	433,255
6 Rental - Downhole Equipmen	nt -	198,477	57,783	-	256,260
7 Rental - Living Quarters	_	46,457	52,637	-	99,094
10 Directional Drilling, Survey	s	415,018	-	-	415,018
11 Drilling	_	728,329	-	-	728,329
12 Drill Bits	_	96,788	-	-	96,788
13 Fuel & Power		182,546	700,542	-	883,088
14 Cementing & Float Equip		235,069	-	-	235,069
15 Completion Unit, Swab, CT		-	-	15,000	15,000
16 Perforating, Wireline, Slickl	ine _	-	379,842	-	379,842
17 High Pressure Pump Truck		-	119,106		119,106
18 Completion Unit, Swab, CT	_	404.054	141,530		141,530
20 Mud Circulation System	_	101,651	-		101,651
21 Mud Logging		16,936	9.057		16,936
22 Logging / Formation Evaluat 23 Mud & Chemicals		7,024 349,599	8,057 423,367	10,000	15,081 782,966
24 Water	-	41,989	639,251	300,000	981,240
25 Stimulation	-	41,505	786,506	300,000	786,506
26 Stimulation Flowback & Dis	sp _		117,494	150,000	267,494
28 Mud/Wastewater Disposal	• -	186,574	59,083	-	245,657
30 Rig Supervision / Engineering	ng _	117,098	128,908	21,667	267,673
32 Drlg & Completion Overhea		10,071	-		10,071
35 Labor	_	148,172	67,140	101,667	316,978
54 Proppant	-	-	1,212,780	-	1,212,780
95 Insurance	_	14,164	-	-	14,164
97 Contingency	_	-	23,595	3,833	27,428
99 Plugging & Abandonment		-	-	-	-
	TOTAL INTANGIBLES >	3,397,506	5,185,507	772,167	9,355,180
		DRILLING	COMPLETION	PRODUCTION	TOTAL
TANCIBLE	оте	COSTS	COSTS	COSTS	COSTS
TANGIBLE CO			C0313	C0313	
60 Surface Casing	\$_	118,101 332,642			\$ 118,101 332,642
61 Intermediate Casing 62 Drilling Liner	-	332,042			332,042
63 Production Casing	-	663,806			663,806
64 Production Liner	-	003,000			003,800
65 Tubing	-			140,000	140,000
66 Wellhead	-	62,628		40,000	102,628
67 Packers, Liner Hangers	-	14,234	-	20,000	34,234
68 Tanks	-	-	-	45,833	45,833
69 Production Vessels	-	-		126,667	126,667
70 Flow Lines	-	-	-	66,667	66,667
71 Rod string	_	-	-	-	-
72 Artificial Lift Equipment	_	-	-	90,000	90,000
73 Compressor	_	-	-	5,833	5,833
74 Installation Costs		-	-		-
75 Surface Pumps		-	-	61,667	61,667
76 Downhole Pumps		-	-		
77 Measurement & Meter Insta		-	-	116,667	116,667
78 Gas Conditioning / Dehydra		-		-	
79 Interconnecting Facility Pipi	ing _		-	20,000	20,000
80 Gathering / Bulk Lines	-			109 222	109 222
81 Valves, Dumps, Controllers 82 Tank / Facility Containment				43,333	43,333
83 Flare Stack	_			16,667	16,667
84 Electrical / Grounding	-			50,000	50,000
85 Communications / SCADA	-			36,667	36,667
86 Instrumentation / Safety	-	-	-	833	833
, ,	TOTAL TANGIBLES >	1,191,410	0	989,167	2,180,577
	TOTAL COSTS >	4,588,916	5,185,507	1,761,334	11,535,757
	TOTAL COSTS -	1,500,710	3,103,307	1,701,034	11,555,757
EPARED BY Permian Resou	rces Operating, LLC:				
	1 0				
Drilling Engineer:	PS				
Completions Engineer:	ML				
Production Engineer:	DC				
	T T C A PPP CTALL				
mian Resources Operating,	LLC APPROVAL:				
C. CFO		Co-C	FO.	VID. O	
Co-CEO_		C0-C		VP - Opera	
	WH		JW		CRM
VP - Land & Legal		VP - Geoscien			
_	BG		SO		
N OPERATING PARTNER	APPROVAL:				
JALIANTING LAKTINEK					
Company Name:			Working Interest (%):	Ta	ıx ID:
-					
Signed by:			Date:		
_					_ 1. ,
Title:			Approval:	Yes	No (mark one)
ts on this AFE are estimates only and may not be constru	ued as ceilings on any specific item or the total cos	t of the project. Tubing installation appro	wed under the AFE may be delayed up to a year a	fter the well has been completed. In executing	ξ this AFE, the Participant agrees to pay its

Permian Resources Operating, LLC

300 N. Marienfeld St., Ste. 1000 Midland, TX 79701

	ESTIMATE C	Phone (432) 695-4222 • OF COSTS AND AUTHO	ORIZATION FOR EXPENDI	ITURE	
DATE:	2.17.2023	1 000101111111111	JAIL TAGET A CONTROL OF THE PARTY OF THE PAR	AFE NO.:	1
WELL NAME:	Bane 4-9 Federal Com 201	1H		FIELD:	Tonto; Wolfcamp
LOCATION:	Section 4, T20S-R34E			MD/TVD:	21,210' / 10,925'
COUNTY/STATE:	Lea County, New Mexico)		LATERAL LENGTH:	10,000'
Permian WI:				DRILLING DAYS:	19.6
GEOLOGIC TARGET:	WCXY			COMPLETION DAYS:	19
REMARKS:	Drill a horizontal WCXY AL install cost	well and complete wi	th 44 stages. AFE includes	s drilling, completions, f	lowback and Initial
		DRILLING	COMPLETION	PRODUCTION COSTS	TOTAL
INTANGIBLE 1 Land/Legal/Regulatory	COSTS	COSTS 59,066	COSTS	37,500	COSTS \$ 96,566
2 Location, Surveys & Dama	· .	288,079	18,067	2,500	308,647
4 Freight / Transportation		47,628	43,778	25,000	116,406
5 Rental - Surface Equipmer 6 Rental - Downhole Equipmer		124,327 205,424	215,417 59,805	105,000	444,744 265,229
7 Rental - Living Quarters	•	48,083	54,480	-	102,562
10 Directional Drilling, Surv	veys	429,543 753,820	-	-	429,543 753,820
11 Drilling 12 Drill Bits	-	100,176			100,176
13 Fuel & Power		188,935	725,061	-	913,996
14 Cementing & Float Equip 15 Completion Unit, Swab,		243,296		15,000	243,296 15,000
16 Perforating, Wireline, Sli			393,136	- 15,000	393,136
17 High Pressure Pump True	ck	-	123,274	-	123,274
18 Completion Unit, Swab,		105,209	146,484	-	146,484 105,209
20 Mud Circulation System 21 Mud Logging	-	17,529			17,529
22 Logging / Formation Eval	luation	7,270	8,339	-	15,609
23 Mud & Chemicals 24 Water		361,835 43,459	438,185 661,625	10,000 300,000	810,020 1,005,083
25 Stimulation	-	43,439	814,033	- 300,000	814,033
26 Stimulation Flowback &		-	121,606	150,000	271,606
28 Mud/Wastewater Dispos 30 Rig Supervision/Engine		193,104 121,196	61,151 133,420	21,667	254,254 276,283
32 Drlg & Completion Over		10,423	133,420	21,667	10,423
35 Labor		153,358	69,489	101,667	324,514
54 Proppant 95 Insurance	-	14,660	1,255,227	-	1,255,227 14,660
97 Contingency	-	14,000	24,421	3,833	28,254
99 Plugging & Abandonmer		-	-	-	-
	TOTAL INTANGIBLES >	3,516,419	5,367,000	772,167	9,655,585
TANGIBLE (COSTS	DRILLING COSTS	COMPLETION COSTS	PRODUCTION COSTS	TOTAL COSTS
60 Surface Casing	\$	122,234	-	-	\$ 122,234
61 Intermediate Casing	.	344,284	-	-	344,284
62 Drilling Liner	-	497.020	-	-	497.020
63 Production Casing 64 Production Liner	-	687,039	-	-	687,039
65 Tubing	-	-		140,000	140,000
66 Wellhead 67 Packers Liner Hangers	-	64,820 14,732	-	40,000	104,820 34 732
67 Packers, Liner Hangers 68 Tanks	-	14,/32		20,000 45,833	34,732 45,833
69 Production Vessels	.		-	126,667	126,667
70 Flow Lines 71 Rod string		-	-	66,667	66,667
72 Artificial Lift Equipment		-		90,000	90,000
73 Compressor	-	-		5,833	5,833
74 Installation Costs	-			61 667	- 61 667
75 Surface Pumps 76 Downhole Pumps	-	-		61,667	61,667
77 Measurement & Meter In		-	-	116,667	116,667
78 Gas Conditioning / Dehy 79 Interconnecting Facility I		-	-	20,000	20,000
80 Gathering / Bulk Lines	iping .			20,000	20,000
81 Valves, Dumps, Controlle		-	-	108,333	108,333
82 Tank / Facility Containme 83 Flare Stack	ent			43,333 16,667	43,333
84 Electrical / Grounding	-			50,000	50,000
85 Communications / SCAD)A	-	-	36,667	36,667
86 Instrumentation / Safety	TOTAL TANGIBLES >	1,233,109	- 0	833 989,167	2,222,276
	TOTAL COSTS >	4,749,528	5,367,000	1,761,334	11,877,862
EPARED BY Permian Res	sources Operating, LLC:				
Drilling Enginee	er: PS				
Completions Enginee	er: ML				
Production Enginee	er: DC				
mian Resources Operatin	ıg, LLC APPROVAL:				
		G- C	TO	VP. Oneses	
Co-CE	O WH	C0-C	TEO	VP - Opera	CRM
VP - Land & Leg		VP - Geoscien	***		
_	BG		SO		
N OPERATING PARTN	ER APPROVAL:				
Company Nam	ie:		Working Interest (%):	Ta	ıx ID:
C' 11	,				
Signed by	y:		Date:		
Tit1	le.		Approval:	Voc I	□ No (mark one)

	ESTIMATE OF	F COSTS AND AUTHO	ORIZATION FOR EXPENDI	TURE	
DATE:	2.17.2023			AFE NO.:	1
WELL NAME:	Bane 4-9 Federal Com 202	H		FIELD:	Tonto; Wolfcamp
LOCATION:	Section 4, T20S-R34E			MD/TVD:	21,210' / 10,925'
COUNTY/STATE:	Lea County, New Mexico			LATERAL LENGTH:	10,000'
Permian WI:				DRILLING DAYS:	19.6
GEOLOGIC TARGET:	WCXY			COMPLETION DAYS:	19
REMARKS:	Drill a horizontal WCXY v AL install cost	vell and complete wi	th 44 stages. AFE includes	s drilling, completions,	flowback and Initial
		DRILLING	COMPLETION	PRODUCTION	TOTAL
INTANGIBLE O I Land/Legal/Regulatory	COSTS \$	COSTS 59,066	COSTS	COSTS 37,500	COSTS \$ 96,566
Location, Surveys & Damag	· <u> </u>	288,079	18.067	2,500	308,647
Freight / Transportation	-	47,628	43,778	25,000	116,406
Rental - Surface Equipment		124,327	215,417	105,000	444,744
Rental - Downhole Equipm Rental - Living Quarters	ent _	205,424 48,083	59,805 54,480		265,229 102,562
0 Directional Drilling, Surve	evs —	429,543	34,400		429,543
11 Drilling	· –	753,820	-	-	753,820
2 Drill Bits	_	100,176	F0F 0/1	-	100,176
13 Fuel & Power 14 Cementing & Float Equip	_	188,935 243,296	725,061		913,996 243,296
15 Completion Unit, Swab, C	TU -			15,000	15,000
16 Perforating, Wireline, Slick		-	393,136	-	393,136
7 High Pressure Pump Truck			123,274 146,484		123,274 146,484
8 Completion Unit, Swab, C O Mud Circulation System	_	105,209	140,404		105,209
1 Mud Logging	-	17,529	-	-	17,529
22 Logging / Formation Evalu	ation	7,270	8,339	-	15,609
23 Mud & Chemicals 24 Water	=	361,835 43,459	438,185	10,000 300,000	810,020 1,005,083
25 Stimulation	-	= -	814,033	- 300,000	814,033
26 Stimulation Flowback & D		-	121,606	150,000	271,606
28 Mud/Wastewater Disposa		193,104	61,151	-	254,254
30 Rig Supervision / Engineer 32 Drlg & Completion Overh		121,196 10,423	133,420	21,667	276,283
35 Labor	_	153,358	69,489	101,667	324,514
54 Proppant	_	-	1,255,227		1,255,227
95 Insurance	_	14,660	24.421	2.022	14,660
97 Contingency 99 Plugging & Abandonment			24,421	3,833	28,254
	TOTAL INTANGIBLES >	3,516,419	5,367,000	772,167	9,655,585
		DRILLING	COMPLETION	PRODUCTION	TOTAL
TANGIBLE CO 50 Surface Casing	OSTS \$	COSTS 122,234	COSTS	COSTS	COSTS \$ 122,234
of Intermediate Casing	-	344,284			344,284
52 Drilling Liner	_	-	-	-	-
53 Production Casing	_	687,039	-	-	687,039
54 Production Liner 55 Tubing	-			140,000	140,000
66 Wellhead	-	64,820		40,000	104,820
7 Packers, Liner Hangers	_	14,732		20,000	34,732
58 Tanks 59 Production Vessels	_			45,833 126,667	45,833
70 Flow Lines	_			66,667	126,667
71 Rod string	_	-		-	-
72 Artificial Lift Equipment	_	-	-	90,000	90,000
73 Compressor 74 Installation Costs	_	-		5,833	5,833
75 Surface Pumps	-			61,667	61,667
76 Downhole Pumps	_	-	-		-
77 Measurement & Meter Inst		-	-	116,667	116,667
78 Gas Conditioning / Dehyd 79 Interconnecting Facility Pi		-		20,000	20,000
30 Gathering / Bulk Lines				-	-
31 Valves, Dumps, Controller		-	-	108,333	108,333
32 Tank / Facility Containmen	at _		-	43,333	43,333
33 Flare Stack 34 Electrical / Grounding	_		-	16,667 50,000	16,667 50,000
35 Communications / SCADA	_	-		36,667	36,667
36 Instrumentation / Safety	_	-	-	833	833
	TOTAL TANGIBLES >	1,233,109	0	989,167	2,222,276
	TOTAL COSTS >	4,749,528	5,367,000	1,761,334	11,877,862
PARED BY Permian Reso	urces Operating, LLC:				
Drilling Engineer:	PS				
Completions Engineer:					
Production Engineer:	DC DC				
i P Oti	- II C ADDDOVAL.				
nian Resources Operating					
Co-CEO	WH	Co-C	EO	VP - Opera	CRM
VP - Land & Legal		VP - Geoscien	***		CKW
	BG		SO		
OPERATING PARTNE	R APPROVAL:				
Company Name:			Working Interest (%):	Ta	ax ID:
Signed by:			Date:		
Title:			Approval:	Yes	☐ No (mark one)

BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Exhibit No. C-12
Submitted by: Read & Stevens, Inc.
Hearing Date: July 20, 2023
Case No. 23514

	ESTIMATE (F COSTS AND AUTHO	RIZATION FOR EXPENDI	ITURE	
DATE: 2.	17.2023			AFE NO.:	1
	ane 4-9 Federal Com 20	3H		FIELD:	Tonto; Wolfcamp
LOCATION: Se	ection 4, T20S-R34E	-		MD/TVD:	21,210' / 10,925'
_	ea County, New Mexico)		LATERAL LENGTH:	10,000'
Permian WI:				DRILLING DAYS:	19.6
_	/CXY				19.0
_				COMPLETION DAYS:	
	rill a horizontal WCXY L install cost	well and complete wit	h 44 stages. AFE includes	s drilling, completions,	flowback and Initial
_		DRILLING	COMPLETION	PRODUCTION	TOTAL
INTANGIBLE COS		COSTS	COSTS	COSTS	COSTS
1 Land/Legal/Regulatory 2 Location, Surveys & Damages	\$	59,066 288,079	18.067	37,500 2,500	\$ 96,566 308,647
4 Freight / Transportation		47,628	43,778	25,000	116,406
Rental - Surface Equipment		124,327	215,417	105,000	444,744
Rental - Downhole Equipment	i .	205,424	59,805	-	265,229
7 Rental - Living Quarters		48,083	54,480	-	102,562
10 Directional Drilling, Surveys		429,543		-	429,543
11 Drilling 12 Drill Bits		753,820 100,176			753,820 100,176
13 Fuel & Power		188,935	725,061		913,996
14 Cementing & Float Equip		243,296	-		243,296
15 Completion Unit, Swab, CTU		-	-	15,000	15,000
l6 Perforating, Wireline, Slicklir		-	393,136	-	393,136
7 High Pressure Pump Truck		-	123,274	-	123,274
8 Completion Unit, Swab, CTU		-	146,484	-	146,484
20 Mud Circulation System		105,209			105,209
21 Mud Logging 22 Logging / Formation Evaluation	on	17,529 7,270	8,339		17,529 15,609
22 Logging / Formation Evaluation 23 Mud & Chemicals		361,835	438,185	10,000	810,020
24 Water		43,459	661,625	300,000	1,005,083
25 Stimulation		-	814,033	-	814,033
26 Stimulation Flowback & Disp	,	-	121,606	150,000	271,606
28 Mud/Wastewater Disposal		193,104	61,151	-	254,254
30 Rig Supervision / Engineering		121,196	133,420	21,667	276,283
32 Drlg & Completion Overhead	I	10,423	-	-	10,423
35 Labor		153,358	69,489 1,255,227	101,667	324,514 1,255,227
54 Proppant 95 Insurance		14,660	1,233,227	-	1,233,227
97 Contingency			24,421	3,833	28,254
99 Plugging & Abandonment		-	-	-	-
Т	OTAL INTANGIBLES >	3,516,419	5,367,000	772,167	9,655,585
TANCIBLE	TC	DRILLING COSTS	COMPLETION COSTS	PRODUCTION COSTS	TOTAL COSTS
TANGIBLE COS ² 60 Surface Casing	\$	122,234	-	-	\$ 122,234
61 Intermediate Casing	Ψ	344,284			344,284
62 Drilling Liner		-			-
63 Production Casing		687,039	-	-	687,039
64 Production Liner		-	-	-	-
65 Tubing		-	-	140,000	140,000
66 Wellhead		64,820	-	40,000	104,820
67 Packers, Liner Hangers		14,732		20,000	34,732
58 Tanks 59 Production Vessels		-		45,833 126,667	45,833 126,667
70 Flow Lines				66,667	66,667
71 Rod string		-		-	-
72 Artificial Lift Equipment		-	-	90,000	90,000
73 Compressor		-	-	5,833	5,833
74 Installation Costs		-	-	-	-
75 Surface Pumps		-		61,667	61,667
76 Downhole Pumps	atton	-		116 667	116 667
77 Measurement & Meter Install 78 Gas Conditioning/Dehydrati				116,667	116,667
79 Interconnecting Facility Pipin				20,000	20,000
30 Gathering / Bulk Lines	0	-	-	-	-
31 Valves, Dumps, Controllers		-	-	108,333	108,333
32 Tank / Facility Containment		-	-	43,333	43,333
33 Flare Stack		-	-	16,667	16,667
34 Electrical / Grounding 35 Communications / SCADA		-	-	50,000 36,667	50,000 36,667
36 Instrumentation / Safety				833	833
o moramemation, surety	TOTAL TANGIBLES >	1,233,109		989,167	2,222,276
	TOTAL COSTS >	4,749,528	5,367,000	1,761,334	11,877,862
		-,,		-,,,	,,
PARED BY Permian Resour	ces Operating, LLC:				
	1				
Drilling Engineer:	PS				
Completions Engineer:	ML				
Production Engineer:	DC				
nian Resources Operating, L	LC APPROVAL:				
Co-CEO		Co-CI	FO.	VP - Opera	ations
WH		CO-CI		vi - Opera	CRM
VP Land & Logal		VP - Geoscieno	***		CKW
VP - Land & Legal	BG	vi = Geoscieno	SO		
	D/G		30		
N OPERATING PARTNER A	APPROVAL:				
Company Name:			Working Interest (%):	T	ax ID:
Signed by:			Date:		
orgined by.			Date.		
Title:			Approval:	Yes	☐ No (mark one)

	ESTIMATE OF	F COSTS AND AUTHO	ORIZATION FOR EXPENDI	TURE		
DATE:	2.17.2023			AFE NO.:	1	
WELL NAME:			FIELD:		Tonto; Wolfcamp	
LOCATION:				MD/TVD:	21,210' / 10,925'	
COUNTY/STATE:	COUNTY/STATE: Lea County, New Mexico			LATERAL LENGTH:	10,000'	
Permian WI:				DRILLING DAYS:	19.6	
GEOLOGIC TARGET:	WCXY		COMPLETION DAYS:		19	
REMARKS:	Drill a horizontal WCXY v AL install cost	vell and complete wi	th 44 stages. AFE includes	s drilling, completions,	flowback and Initial	
		DRILLING	COMPLETION	PRODUCTION	TOTAL	
INTANGIBLE O I Land/Legal/Regulatory	OSTS \$	COSTS 59,066	COSTS	COSTS 37,500	COSTS \$ 96,566	
Location, Surveys & Damag	· <u> </u>	288,079	18,067	2,500	308,647	
Freight / Transportation		47,628	43,778	25,000	116,406	
Rental - Surface Equipment		124,327	215,417	105,000	444,744	
Rental - Downhole Equipm	ent _	205,424 48,083	59,805 54,480		265,229 102,562	
Rental - Living Quarters 0 Directional Drilling, Surveys		429,543	34,400		429,543	
11 Drilling			-	-	753,820	
12 Drill Bits	_	100,176	-	-	100,176	
3 Fuel & Power 4 Cementing & Float Equip	-	188,935 243,296	725,061		913,996 243,296	
15 Completion Unit, Swab, C	TU -	-		15,000	15,000	
6 Perforating, Wireline, Slick	cline	-	393,136	-	393,136	
7 High Pressure Pump Truck		-	123,274 146,484	-	123,274	
8 Completion Unit, Swab, C O Mud Circulation System	_	105,209	146,484		146,484 105,209	
21 Mud Logging	-	17,529			17,529	
22 Logging / Formation Evalu	ation	7,270	8,339	-	15,609	
23 Mud & Chemicals 24 Water	_	361,835 43,459	438,185 661,625	10,000 300,000	810,020 1,005,083	
25 Stimulation	-	45,439	814,033	300,000	814,033	
26 Stimulation Flowback & D		-	121,606	150,000	271,606	
28 Mud/Wastewater Disposa		193,104	61,151	-	254,254	
30 Rig Supervision / Engineer 32 Drlg & Completion Overh		121,196 10,423	133,420	21,667	276,283	
35 Labor	_	153,358	69,489	101,667	324,514	
54 Proppant	-	-	1,255,227		1,255,227	
95 Insurance	_	14,660	-	-	14,660	
97 Contingency 99 Plugging & Abandonment			24,421	3,833	28,254	
, , i mggmg w mumumimem	TOTAL INTANGIBLES >	3,516,419	5,367,000	772,167	9,655,585	
	TOTAL INTERNOLULUS	DRILLING	COMPLETION	PRODUCTION	TOTAL	
TANGIBLE CO		COSTS	COSTS	COSTS	COSTS	
0 Surface Casing 1 Intermediate Casing	\$_	122,234 344,284			\$ 122,234 344,284	
52 Drilling Liner	-	344,204				
3 Production Casing	_	687,039	-	-	687,039	
4 Production Liner	_	-	-	-	-	
55 Tubing 66 Wellhead	-	64,820		140,000 40,000	140,000 104,820	
7 Packers, Liner Hangers	-	14,732		20,000	34,732	
68 Tanks	_	-	-	45,833	45,833	
9 Production Vessels		-	-	126,667	126,667	
70 Flow Lines 71 Rod string	-			66,667	66,667	
72 Artificial Lift Equipment	-	-	-	90,000	90,000	
73 Compressor		-	-	5,833	5,833	
74 Installation Costs	_			61,667	- (1.777	
75 Surface Pumps 76 Downhole Pumps	-			61,667	61,667	
77 Measurement & Meter Inst	tallation	-	-	116,667	116,667	
⁷ 8 Gas Conditioning/Dehyd		-	-		-	
79 Interconnecting Facility Pi	ping _	-		20,000	20,000	
80 Gathering / Bulk Lines 81 Valves, Dumps, Controller	-s			108,333	108,333	
2 Tank / Facility Containmen				43,333	43,333	
3 Flare Stack	_	-		16,667	16,667 50,000	
4 Electrical / Grounding 5 Communications / SCADA	_			50,000 36,667	36,667	
6 Instrumentation / Safety	-	-		833	833	
	TOTAL TANGIBLES >	1,233,109	0	989,167	2,222,276	
	TOTAL COSTS >	4,749,528	5,367,000	1,761,334	11,877,862	
PARED BY Permian Reso	urces Operating, LLC:					
Dailli - F - '						
Drilling Engineer:						
Completions Engineer: Production Engineer:						
1 Toutietton Engineer.	DC					
nian Resources Operating						
Co-CEO WH		Co-CEO		VP - Opera		
			JW CRM			
VP - Land & Legal	BG	VP - Geoscien	ces			
	D/G		50			
OPERATING PARTNE						
Company Name:			Working Interest (%):	Ta	ax ID:	
Signed by:			Date:			
			Approval:	Vae	── No (mark one)	
Title:			Approval:	ICS	☐ No (mark one)	



300 N. MARIENFELD STREET, SUITE 1000 MIDLAND, TX 79701

OFFICE 432.695.4222 **FAX** 432.695.4063

March 17, 2023 Via Certified Mail

Ard Oil Ltd. P.O. Box 101027 Fort Worth, Texas 76185

RE: Joker 5-8 Federal Com – Well Proposals

Sections 5 & 8, T20S-R34E Lea County, New Mexico

To Whom It May Concern:

Permian Resources Operating, LLC, as operator for Read & Stevens, Inc. ("Permian"), hereby proposes the drilling and completion of the following twenty-four (24) wells, the Joker 5-8 Federal Com wells at approximate locations within Township 20 South, Range 34 East:

FIRST BONE SPRING FORMATION:

1. Joker 5-8 Federal Com 111H - (West Pad)

SHL: 380' FNL & 2,179' FWL (or at a legal location in Lot 3) of Section 5

FTP: 100' FNL & 330' FWL of Section 5 LTP: 100' FSL & 330' FWL of Section 8 BHL: 10' FSL & 330' FWL of Section 8

Standard Spacing Unit: Lot 4, SWNW, W2SW of Section 5, W2W2 of Section 8, T20S-R34E

TVD: 9,576' TMD: 19,861'

2. Joker 5-8 Federal Com 112H – (West Pad)

SHL: 380' FNL & 2,212' FWL (or at a legal location in Lot 3) of Section 5

FTP: 100' FNL & 1,650' FWL of Section 5 LTP: 100' FSL & 1,650' FWL of Section 8 BHL: 10' FSL & 1,650' FWL of Section 8

Standard Spacing Unit: Lot 3, SENW, E2SW of Section 5, E2W2 of Section 8, T20S-R34E

TVD: 9,596' TMD: 19,881'

3. Joker 5-8 Federal Com 113H – (East Pad)

SHL: 380' FNL & 2,005' FEL (or at a legal location in Lot 2) of Section 5

FTP: 100' FNL & 2,310' FEL of Section 5 LTP: 100' FSL & 2,310' FEL of Section 8 BHL: 10' FSL & 2,310' FEL of Section 8

Standard Spacing Unit: Lot 2, SWNE, W2SE of Section 5, W2E2 of Section 8, T20S-R34E

TVD: 9,616' TMD: 19,901'

BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Exhibit No. C-10
Submitted by: Read & Stevens, Inc.
Hearing Date: July 20, 2023
Case Nos. 23516-23523

4. Joker 5-8 Federal Com 114H – (East Pad)

SHL: 380' FNL & 1,840' FEL (or at a legal location in Lot 2) of Section 5

FTP: 100' FNL & 990' FEL of Section 5 LTP: 100' FSL & 990' FEL of Section 8 BHL: 10' FSL & 990' FEL of Section 8

Standard Spacing Unit: Lot 1, SENE, E2SE of Section 5, E2E2 of Section 8, T20S-R34E

TVD: 9,616' TMD: 19,901'

SECOND BONE SPRING FORMATION:

5. Joker 5-8 Federal Com 121H - (West Pad)

SHL: 380' FNL & 2,245' FWL (or at a legal location in Lot 3) of Section 5

FTP: 100' FNL & 330' FWL of Section 5 LTP: 100' FSL & 330' FWL of Section 8 BHL: 10' FSL & 330' FWL of Section 8

Standard Spacing Unit: Lot 4, SWNW, W2SW of Section 5, W2W2 of Section 8, T20S-R34E

TVD: 10,316' TMD: 20,601'

6. Joker 5-8 Federal Com 122H - (West Pad)

SHL: 380' FNL & 2,278' FWL (or at a legal location in Lot 3) of Section 5

FTP: 100' FNL & 990' FWL of Section 5 LTP: 100' FSL & 990' FWL of Section 8 BHL: 10' FSL & 990' FWL of Section 8

Standard Spacing Unit: Lot 4, SWNW, W2SW of Section 5, W2W2 of Section 8, T20S-R34E

TVD: 9,981' TMD: 20,266'

7. Joker 5-8 Federal Com 123H - (West Pad)

SHL: 380' FNL & 2,311' FWL (or at a legal location in Lot 3) of Section 5

FTP: 100' FNL & 1,650' FWL of Section 5 LTP: 100' FSL & 1,650' FWL of Section 8 BHL: 10' FSL & 1,650' FWL of Section 8

Standard Spacing Unit: Lot 3, SENW, E2SW of Section 5, E2W2 of Section 8, T20S-R34E

TVD: 10,296' TMD: 20,581'

8. Joker 5-8 Federal Com 124H - (West Pad)

SHL: 380' FNL & 2,344' FWL (or at a legal location in Lot 3) of Section 5

FTP: 100' FNL & 2,310' FWL of Section 5 LTP: 100' FSL & 2,310' FWL of Section 8 BHL: 10' FSL & 2,310' FWL of Section 8

Standard Spacing Unit: Lot 3, SENW, E2SW of Section 5, E2W2 of Section 8, T20S-R34E

TVD: 9,971' TMD: 20,256'

9. Joker 5-8 Federal Com 125H - (East Pad)

SHL: 380' FNL & 1,972' FEL (or at a legal location in Lot 2) of Section 5

FTP: 100' FNL & 2,310' FEL of Section 5 LTP: 100' FSL & 2,310' FEL of Section 8 BHL: 10' FSL & 2,310' FEL of Section 8

Standard Spacing Unit: Lot 2, SWNE, W2SE of Section 5, W2E2 of Section 8, T20S-R34E

TVD: 10,286' TMD: 20,571'

10. Joker 5-8 Federal Com 126H - (East Pad)

SHL: 380' FNL & 1,939' FEL (or at a legal location in Lot 2) of Section 5

FTP: 100' FNL & 1,650' FEL of Section 5 LTP: 100' FSL & 1,650' FEL of Section 8 BHL: 10' FSL & 1,650' FEL of Section 8

Standard Spacing Unit: Lot 2, SWNE, W2SE of Section 5, W2E2 of Section 8, T20S-R34E

TVD: 9,961' TMD: 20,256'

11. Joker 5-8 Federal Com 127H - (East Pad)

SHL: 380' FNL & 1,906' FEL (or at a legal location in Lot 2) of Section 5

FTP: 100' FNL & 990' FEL of Section 5 LTP: 100' FSL & 990' FEL of Section 8 BHL: 10' FSL & 990' FEL of Section 8

Standard Spacing Unit: Lot 1, SENE, E2SE of Section 5, E2E2 of Section 8, T20S-R34E

TVD: 10,286' TMD: 20,571'

12. Joker 5-8 Federal Com 128H - (East Pad)

SHL: 380' FNL & 1,873' FEL (or at a legal location in Lot 2) of Section 5

FTP: 100' FNL & 330' FEL of Section 5 LTP: 100' FSL & 330' FEL of Section 8 BHL: 10' FSL & 330' FEL of Section 8

Standard Spacing Unit: Lot 1, SENE, E2SE of Section 5, E2E2 of Section 8, T20S-R34E

TVD: 9,961' TMD: 20,256'

THIRD BONE SPRING CARB (HARKEY) FORMATION:

13. Joker 5-8 Federal Com 171H - (West Pad)

SHL: 250' FNL & 2,179' FWL (or at a legal location in Lot 3) of Section 5

FTP: 100' FNL & 990' FWL of Section 5 LTP: 100' FSL & 990' FWL of Section 8 BHL: 10' FSL & 990' FWL of Section 8

Standard Spacing Unit: Lot 4, SWNW, W2SW of Section 5, W2W2 of Section 8, T20S-R34E

TVD: 10,451' TMD: 20,736'

14. Joker 5-8 Federal Com 172H - (West Pad)

SHL: 250' FNL & 2,344' FWL (or at a legal location in Lot 3) of Section 5

FTP: 100' FNL & 2,310' FWL of Section 5 LTP: 100' FSL & 2,310' FWL of Section 8 BHL: 10' FSL & 2,310' FWL of Section 8

Standard Spacing Unit: Lot 3, SENW, E2SW of Section 5, E2W2 of Section 8, T20S-R34E

TVD: 10,446' TMD: 20,731'

15. Joker 5-8 Federal Com 173H - (East Pad)

SHL: 250' FNL & 2,005' FEL (or at a legal location in Lot 2) of Section 5

FTP: 100' FNL & 1,650' FEL of Section 5 LTP: 100' FSL & 1,650' FEL of Section 8 BHL: 10' FSL & 1,650' FEL of Section 8

Standard Spacing Unit: Lot 2, SWNE, W2SE of Section 5, W2E2 of Section 8, T20S-R34E

TVD: 10,436' TMD: 20,721'

16. Joker 5-8 Federal Com 174H - (East Pad)

SHL: 250' FNL & 1,840' FEL (or at a legal location in Lot 2) of Section 5

FTP: 100' FNL & 330' FEL of Section 5 LTP: 100' FSL & 330' FEL of Section 8 BHL: 10' FSL & 330' FEL of Section 8

Standard Spacing Unit: Lot 1, SENE, E2SE of Section 5, E2E2 of Section 8, T20S-R34E

TVD: 10,416' TMD: 20,701'

THIRD BONE SPRING FORMATION:

17. Joker 5-8 Federal Com 131H - (West Pad)

SHL: 250' FNL & 2,212' FWL (or at a legal location in Lot 3) of Section 5

FTP: 100' FNL & 330' FWL of Section 5 LTP: 100' FSL & 330' FWL of Section 8 BHL: 10' FSL & 330' FWL of Section 8

Standard Spacing Unit: Lot 4, SWNW, W2SW of Section 5, W2W2 of Section 8, T20S-R34E

TVD: 10,831' TMD: 21,116'

18. Joker 5-8 Federal Com 132H – (West Pad)

SHL: 250' FNL & 2,278' FWL (or at a legal location in Lot 3) of Section 5

FTP: 100' FNL & 1,650' FWL of Section 5 LTP: 100' FSL & 1,650' FWL of Section 8 BHL: 10' FSL & 1,650' FWL of Section 8

Standard Spacing Unit: Lot 3, SENW, E2SW of Section 5, E2W2 of Section 8, T20S-R34E

TVD: 10,831' TMD: 21,116'

19. Joker 5-8 Federal Com 133H – (East Pad)

SHL: 250' FNL & 1,972' FEL (or at a legal location in Lot 2) of Section 5

FTP: 100' FNL & 2,310' FEL of Section 5 LTP: 100' FSL & 2,310' FEL of Section 8 BHL: 10' FSL & 2,310' FEL of Section 8

Standard Spacing Unit: Lot 2, SWNE, W2SE of Section 5, W2E2 of Section 8, T20S-R34E

TVD: 10,821' TMD: 21,106'

20. Joker 5-8 Federal Com 134H – (East Pad)

SHL: 250' FNL & 1,906' FEL (or at a legal location in Lot 2) of Section 5

FTP: 100' FNL & 990' FEL of Section 5 LTP: 100' FSL & 990' FEL of Section 8 BHL: 10' FSL & 990' FEL of Section 8

Standard Spacing Unit: Lot 1, SENE, E2SE of Section 5, E2E2 of Section 8, T20S-R34E

TVD: 10,821' TMD: 21,106'

WOLFCAMP XY FORMATION:

21. Joker 5-8 Federal Com 201H - (West Pad)

SHL: 250' FNL & 2,245' FWL (or at a legal location in Lot 3) of Section 5

FTP: 100' FNL & 990' FWL of Section 5 LTP: 100' FSL & 990' FWL of Section 8 BHL: 10' FSL & 990' FWL of Section 8

Standard Spacing Unit: Lot 4, SWNW, W2SW of Section 5, W2W2 of Section 8, T20S-R34E

TVD: 10,926' TMD: 21,211'

22. Joker 5-8 Federal Com 202H - (West Pad)

SHL: 250' FNL & 2,311' FWL (or at a legal location in Lot 3) of Section 5

FTP: 100' FNL & 2,310' FWL of Section 5 LTP: 100' FSL & 2,310' FWL of Section 8 BHL: 10' FSL & 2,310' FWL of Section 8

Standard Spacing Unit: Lot 3, SENW, E2SW of Section 5, E2W2 of Section 8, T20S-R34E

TVD: 10,926' TMD: 21,211'

23. Joker 5-8 Federal Com 203H - (East Pad)

SHL: 250' FNL & 1,939' FEL (or at a legal location in Lot 2) of Section 5

FTP: 100' FNL & 1,650' FEL of Section 5 LTP: 100' FSL & 1,650' FEL of Section 8 BHL: 10' FSL & 1,650' FEL of Section 8

Standard Spacing Unit: Lot 2, SWNE, W2SE of Section 5, W2E2 of Section 8, T20S-R34E

TVD: 10,906' TMD: 21,191'

24. Joker 5-8 Federal Com 204H - (East Pad)

SHL: 250' FNL & 1,873' FEL (or at a legal location in Lot 2) of Section 5

FTP: 100' FNL & 330' FEL of Section 5 LTP: 100' FSL & 330' FEL of Section 8 BHL: 10' FSL & 330' FEL of Section 8

Standard Spacing Unit: Lot 1, SENE, E2SE of Section 5, E2E2 of Section 8, T20S-R34E

TVD: 10,896' TMD: 21,181' The locations, TVDs, and targets are approximate and subject to change dependent on surface or subsurface issues encountered. These locations do fall within an approved potash drill island, so any surface changes remain subject to BLM approval. Permian is proposing to drill these wells under the modified terms of the 1989 AAPL Operating Agreement and a form of said Operating Agreement is enclosed. The Operating Agreement has the following general provisions:

- -100%/300%/300% non-consent provisions
- \$8,000/\$800 drilling and producing rates
- Permian Resources Operating, LLC named as Operator

Note that communitization agreements for each spacing unit shall be sent in a separate mailing.

Please indicate your election to participate in the drilling and completion of the proposed wells in the space provided below. Please sign and return one copy of this letter, a signed copy of the proposed AFE, and your geologic well requirements.

Please further note that the Sections 5 & 8 require a Potash Development Area to be approved by the Bureau of Land Management prior to any permits to be submitted. Permian has submitted for this development area and conducted federal onsites. This development area has been protested by Cimarex. Any development of these two sections will be subject to that protest being dismissed.

In the interest of time, should we not reach an agreement within thirty (30) days of the date of your receipt of this letter, Permian will apply to the New Mexico Oil Conservation Division for compulsory pooling of your interest into a spacing unit for the proposed well. If you do not wish to participate, Permian would be interested in acquiring your interest in the subject lands which is subject to further mutually agreeable negotiation.

Thank you for your time and consideration, if you have any questions at all, please don't hesitate to contact me at 432.400.1037 or by email at travis.macha@permianres.com. Due to the number of inquiries received, email may be the quickest way to receive a response.

<u>Operator Note:</u> Permian has recently drilled a pilot hole in the N/2 of Section 18 of T20S-R34E to the southwest of the Joker unit and is presently drilling a 3rd Bone Spring/Wolfcamp XY spacing test in Sections 18 & 19 (Batman Unit). Permian further plans a second 1st Bone Spring/2nd Bone Spring spacing test in Sections 17 & 20 of T20S-R34E directly south of the Joker unit later this year (Robin Unit). The learnings from the pilot hole and both spacing tests will be implemented by Permian in all zones here in order to ensure thoughtful and efficient development.

Respectfully,

Travis Macha

Senior Landman

Enclosures

Joker 5-8 Federal Com Elections:

Well Elections					
(Please indicate your responses in the spaces below)					
Well(s)	Elect to Participate	Elect to NOT Participate			
Joker 5-8 Federal Com 111H					
Joker 5-8 Federal Com 112H					
Joker 5-8 Federal Com 113H					
Joker 5-8 Federal Com 114H					
Joker 5-8 Federal Com 121H					
Joker 5-8 Federal Com 122H					
Joker 5-8 Federal Com 123H					
Joker 5-8 Federal Com 124H					
Joker 5-8 Federal Com 125H					
Joker 5-8 Federal Com 126H					
Joker 5-8 Federal Com 127H					
Joker 5-8 Federal Com 128H					
Joker 5-8 Federal Com 171H					
Joker 5-8 Federal Com 172H					
Joker 5-8 Federal Com 173H					
Joker 5-8 Federal Com 174H					
Joker 5-8 Federal Com 131H					
Joker 5-8 Federal Com 132H					
Joker 5-8 Federal Com 133H					
Joker 5-8 Federal Com 134H					
Joker 5-8 Federal Com 201H					
Joker 5-8 Federal Com 202H					
Joker 5-8 Federal Com 203H					
Joker 5-8 Federal Com 204H					

Company Name (If Applicable):
By:
Printed Name:
Date:

DATE: WELL NAME:

FIELD:

Teas; Bone Spring

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Permian Resources Operating, LLC

300 N. Marienfeld St., Ste. 1000 Midland, TX 79701 Phone (432) 695-4222 • Fax (432) 695-4063

ESTIMATE OF COSTS AND AUTHORIZATION FOR EXPENDITURE

Joker 5-8 Federal Com 111H

LOCATION:	Section 5, T20S-R34E			MD/TVD:	19,861' / 9,576'
COUNTY/STATE:	Lea County, New Mexico			LATERAL LENGTH:	10,000'
Permian WI:				DRILLING DAYS:	19.6
GEOLOGIC TARGET:	FBSG			COMPLETION DAYS:	18.6
	Drill a horizontal FBSG we	ell and complete with	n 44 stages. AFE includes	drilling, completions, flo	wback and Initial AL
REMARKS:	install cost				
		DRILLING COSTS	COMPLETION COSTS	PRODUCTION COSTS	TOTAL COSTS
INTANGIBLE (I Land / Legal / Regulatory	COSTS		CO313		
2 Location, Surveys & Damas	ges -	52,768 257,363	16,141	37,500 2,500	\$ 90,268 276,003
Freight / Transportation	-	42,549	39,110	25,000	106,660
Rental - Surface Equipmen		111,070	192,448	105,000	408,518
6 Rental - Downhole Equipm	ient	183,520	53,429	-	236,949
7 Rental - Living Quarters		42,956	48,671	-	91,627
10 Directional Drilling, Surve 11 Drilling	eys –	383,743 673,443		-	383,743 673,443
12 Drill Bits	_	89,495			89,495
13 Fuel & Power	-	168,789	647,751		816,540
14 Cementing & Float Equip	_	217,354	-	-	217,354
5 Completion Unit, Swab, C		-	-	15,000	15,000
6 Perforating, Wireline, Slic		-	351,218		351,218
17 High Pressure Pump Truc 18 Completion Unit, Swab, C			110,130 130,865		110,130 130,865
20 Mud Circulation System	_	93,991	130,003		93,991
1 Mud Logging	_	15,660			15,660
2 Logging / Formation Evalu	ıation —	6,495	7,450	-	13,944
3 Mud & Chemicals	-	323,254	391,463	10,000	724,717
4 Water	-	38,825	591,078	225,000	854,903
25 Stimulation	Dien -	-	727,236 108,640	150.000	727,236
26 Stimulation Flowback & I 28 Mud/Wastewater Dispos		172,514		150,000	258,640 227,144
28 Mud / Wastewater Dispos 30 Rig Supervision / Enginee		108,273	54,630 119,194	21,667	249,134
32 Drlg & Completion Overh		9,312	- 11/,1/4	-	9,312
35 Labor	-	137,006	62,080	101,667	300,753
54 Proppant	-	-	1,121,387	-	1,121,387
95 Insurance	_	13,096	-	-	13,096
97 Contingency		-	21,817	3,833	25,650
99 Plugging & Abandonmen	_				
	TOTAL INTANGIBLES >	3,141,476	4,794,736	697,167	8,633,379
		DRILLING	COMPLETION	PRODUCTION	TOTAL
TANGIBLE C	OSTS	COSTS	COSTS	COSTS	COSTS
0 Surface Casing	5	109,201	-	-	\$ 109,201
1 Intermediate Casing		307,574	-	-	307,574
52 Drilling Liner 53 Production Casing	_	613,783			613,783
64 Production Liner	_	013,763			013,763
55 Tubing	_			140,000	140,000
66 Wellhead	-	57,908		40,000	97,908
67 Packers, Liner Hangers	_	13,161	-	20,000	33,161
58 Tanks	-	-	-	45,833	45,833
69 Production Vessels		-	-	126,667	126,667
70 Flow Lines	_	-	-	66,667	66,667
71 Rod string 72 Artificial Lift Equipment	_		-	90,000	90,000
73 Compressor	_			5,833	5,833
74 Installation Costs	_				
75 Surface Pumps	_	-	-	61,667	61,667
76 Downhole Pumps	-	-	-	-	-
77 Measurement & Meter Ins		-	-	116,667	116,667
78 Gas Conditioning / Dehyd		-	-	-	-
79 Interconnecting Facility Pi	ping	-		20,000	20,000
80 Gathering / Bulk Lines 81 Valves, Dumps, Controlle	re _			108,333	108,333
32 Tank / Facility Containme				43,333	43,333
83 Flare Stack	-	-		16,667	16,667
34 Electrical / Grounding	-	-	-	50,000	50,000
85 Communications / SCADA	4 -	-	-	36,667	36,667
86 Instrumentation / Safety		-	-	853	853
	TOTAL TANGIBLES >	1,101,627	0	989,187	2,090,81
	TOTAL COSTS >	4,243,103	4,794,736	1,686,354	10,724,193
PARED BY Permian Reso					
Drilling Engineer					
Completions Engineer					
Production Engineer	: DC				
nian Resources Operating	. LLC APPROVAL:				
		C . C	750	VID. Occupi	•
Co-CEC	WH	Co-C	IW	VP - Operat	CRM
VD 1 1 0-1		VP - Geoscier	***		CKM
VP - Land & Lega	. RG	v r - Geoscier	SO		
	1/3		30		
N OPERATING PARTNE					
Company Name	s		Working Interest (%):	Tax	(ID:
Signed by			Date:		

proportionate share of actual costs incurred, including, legal, curative, regulatory, hoskeage and well costs under the terms of the applicable joint operations generous, regulatory code or other agreement covering this well. Participants shall be covered by and billed proportionately for Operator's well

Approval: Yes

No (mark one)

Title:

ESTIMATE OF COSTS AND AUTHORIZATION FOR EXPENDITURE

DATE:	2.17.2023			AFE NO.:	1
WELL NAME:	Joker 5-8 Federal Com 12	1H		FIELD:	Teas; Bone Spring
	Section 5, T20S-R34E			MD/TVD:	20,601' / 10,316'
COUNTY/STATE:	Lea County, New Mexico)		LATERAL LENGTH:	10,000'
Permian WI:	onec			DRILLING DAYS:	19.6
	SBSG	11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4	COMPLETION DAYS:	18.6
	Drill a horizontal SBSG w install cost	vell and complete with 4-	1 stages. AFE include	s drilling, completions, fl	owback and Initial AL
		DRILLING	COMPLETION	PRODUCTION	TOTAL
INTANGIBLE C	OSTS	COSTS	COSTS	COSTS	COSTS
1 Land / Legal / Regulatory 2 Location, Surveys & Damage	5	54,351 265,083	16,625	37,500 2,500	\$ 91,851 284,208
4 Freight / Transportation		43,826	40,284	25,000	109,110
5 Rental - Surface Equipment	•	114,402	198,221	105,000	417,624
6 Rental - Downhole Equipme	ent	189,026 44,244	55,031 50,131		244,057 94,375
7 Rental - Living Quarters 10 Directional Drilling, Survey	vs ·	395,255	- 30,131		395,255
11 Drilling	·	693,647		-	693,647
12 Drill Bits	•	92,179		-	92,179
13 Fuel & Power 14 Cementing & Float Equip		1/3,853 223,875	667,183	-	841,036 223,875
15 Completion Unit, Swab, CT	ΓU .	-		15,000	15,000
16 Perforating, Wireline, Slick		-	361,754	-	361,754
17 High Pressure Pump Truck 18 Completion Unit, Swab, CT		-	113,434	-	113,434
20 Mud Circulation System		96,811	134,/91		96,811
21 Mud Logging	•	16,130		-	16,130
22 Logging / Formation Evalua	ation	6,690	7,673	-	14,363
23 Mud & Chemicals 24 Water	,	332,951 39,990	403,207 608,810	10,000 250,000	746,158 898,800
25 Stimulation		-	749,053	- 250,000	749,053
26 Stimulation Flowback & Di		-	111,899	150,000	261,899
28 Mud / Wastewater Disposal		177,689	56,269	-	233,959
30 Rig Supervision / Engineer		111,522	122,769	21,667	255,958
32 Drlg & Completion Overhe 35 Labor	:au	9,591 141,116	63,942	101,667	9,591 306,725
54 Proppant	•	-	1,155,029	=	1,155,029
95 Insurance	•	13,489	-	-	13,489
97 Contingency		-	22,472	3,833	26,305
99 Plugging & Abandonment	TOTAL INTANCIBLES.	2 225 520	4 020 550	- -	0.000.405
	TOTAL INTANGIBLES >	3,235,720	4,938,578	722,167	8,896,465
		DRILLING COSTS	COMPLETION COSTS	PRODUCTION COSTS	TOTAL COSTS
TANGIBLE CO	JS1S S	112,477			\$ 112,477
61 Intermediate Casing	Ψ.	316,801			316,801
62 Drilling Liner	•	-	-	-	-
63 Production Casing		632,196		-	632,196
64 Production Liner 65 Tubing	,	-		140,000	140,000
66 Wellhead		59,645		40,000	99,645
67 Packers, Liner Hangers	•	13,556	-	20,000	33,556
68 Tanks	•	-	-	-	-
69 Production Vessels 70 Flow Lines		-		45,833 126,667	45,833 126,667
71 Rod string				66,667	66,667
72 Artificial Lift Equipment	•	-	-	90,000	90,000
73 Compressor	•	-		5,833	5,833
74 Installation Costs 75 Surface Pumps		-		(1.779	- (1 // 7
76 Downhole Pumps				61,667	61,667
77 Measurement & Meter Inst	allation	-		116,667	116,667
78 Gas Conditioning / Dehydr		-	-	-	-
79 Interconnecting Facility Pip	oing	-		20,000	20,000
80 Gathering / Bulk Lines 81 Valves, Dumps, Controllers				108,333	108,333
82 Tank / Facility Containmen		 -		43,333	43,333
83 Flare Stack		-		16,667	16,667
84 Electrical / Grounding	•	-		50,000	50,000
85 Communications / SCADA		-		36,667	36,667
86 Instrumentation / Safety	TOTAL TANGIBLES >	1 124 676		833	833
	TOTAL COSTS >	1,134,676 4,370,396	4,938,578	989,167 1,711,334	2,123,843 11,020,308
	TOTAL COSTS >	4,370,390	4,730,370	1,/11,33%	11,020,300
EPARED BY Permian Resou	urces Operating, LLC:				
Drilling Engineer:	PS				
Completions Engineer:	ML				
Production Engineer:	DC				
mian Resources Operating,	LLC APPROVAL:				
Co-CEO		Co-CEC)	VP - Oper	rations
	WH		JW		CRM
VP - Land & Legal		VP - Geosciences	3		
	BG		SO		
ON OPERATING PARTNER	R APPROVAL:				
Company Name:			Norking Interest (%):	Т	ax ID:
Signed by:			Date:		
Title:		_	Approval:	Yes	No (mark one)

DATE: WELL NAME: LOCATION:	2.17.2023			AFFAIO	1
	Joker 5-8 Federal Com 122	TI .		AFE NO.: FIELD:	Toogy Rong Cowing
LOCATION.	Section 5, T20S-R34E	п		MD/TVD:	Teas; Bone Spring 20,266' / 9,981'
COUNTY/STATE:	Lea County, New Mexico			LATERAL LENGTH:	10,000'
Permian WI:	Lea County, IVEW MICKEO			DRILLING DAYS:	19.6
GEOLOGIC TARGET:	SBSG			COMPLETION DAYS:	18.6
stotooic iimotii	Drill a horizontal SBSG we	ell and complete with 4		_	
REMARKS:	install cost	in unit complete with 1	.1 outgeo. 111 2 menuteo	arming, completions, in	on buck and militar m
		DRILLING	COMPLETION	PRODUCTION	TOTAL
INTANGIBLE C		COSTS	COSTS	COSTS	COSTS
Land / Legal / Regulatory Location, Surveys & Damag	5_	54,351 265,083	16,625	37,500 2,500	\$ 91,85 284,20
Freight / Transportation	_	43,826	40,284	25,000	109,11
Rental - Surface Equipment	-	114,402	198,221	105,000	417,62
Rental - Downhole Equipme	ent	189,026	55,031	-	244,05
Rental - Living Quarters		44,244	50,131	-	94,37
0 Directional Drilling, Surve 1 Drilling	ys _	395,255 693,647	-	-	395,25 693,64
2 Drill Bits	-	92,179			92,17
3 Fuel & Power	-	173,853	667,183	-	841,03
4 Cementing & Float Equip	_	223,875	-	-	223,87
5 Completion Unit, Swab, C		-	261.754	15,000	15,00
6 Perforating, Wireline, Slick 7 High Pressure Pump Truck			361,754 113,434		361,75 113,43
8 Completion Unit, Swab, C			134,791		134,79
0 Mud Circulation System	-	96,811	-		96,81
1 Mud Logging	_	16,130	-	-	16,13
2 Logging / Formation Evalu	ation	6,690	7,673	10,000	14,36
3 Mud & Chemicals 4 Water	-	332,951 39,990	403,207 608,810	10,000 250,000	746,15 898,80
5 Stimulation	-	-	749,053	250,000	749,05
6 Stimulation Flowback & D	isp	-	111,899	150,000	261,89
8 Mud/Wastewater Disposa	1	177,689	56,269		233,95
0 Rig Supervision / Engineer		111,522	122,769	21,667	255,95
2 Drlg & Completion Overho 5 Labor	:au	9,591 141,116	63,942	101,667	9,59
4 Proppant	-	141,110	1,155,029	101,007	1,155,02
5 Insurance	-	13,489	-		13,48
7 Contingency	-	-	22,472	3,833	26,30
9 Plugging & Abandonment	_	-	-	-	-
	TOTAL INTANGIBLES >	3,235,720	4,938,578	722,167	8,896,40
		DRILLING	COMPLETION	PRODUCTION	TOTAL
TANGIBLE CO	OSTS	COSTS	COSTS	COSTS	COSTS
0 Surface Casing	5	112,477	-		\$ 112,47
1 Intermediate Casing	_	316,801	-	-	316,80
2 Drilling Liner 3 Production Casing	_	632,196		-	632,19
4 Production Liner	-	032,190			032,19
5 Tubing	_	-		140,000	140,00
6 Wellhead	-	59,645		40,000	99,64
7 Packers, Liner Hangers	_	13,556	-	20,000	33,55
8 Tanks	_		-	45 000	45.00
9 Production Vessels 70 Flow Lines	-	-		45,833 126,667	45,83 126,66
1 Rod string	_	-		66,667	66,66
2 Artificial Lift Equipment	_	-	-	90,000	90,00
	_	-	-	5,833	5,83
3 Compressor					61,66
3 Compressor 4 Installation Costs	_				
3 Compressor 4 Installation Costs 5 Surface Pumps	-		-	61,667	- 01,00
3 Compressor 4 Installation Costs 5 Surface Pumps 6 Downhole Pumps	allation –	-	-	61,667	-
3 Compressor 4 Installation Costs 5 Surface Pumps 6 Downhole Pumps 7 Measurement & Meter Insl 8 Gas Conditioning/Dehydr	ration		-	116,667	116,66
3 Compressor 4 Installation Costs 5 Surface Pumps 6 Downhole Pumps 7 Measurement & Meter Inst 8 Gas Conditioning/Dehyd: 9 Interconnecting Facility Pij	ration	-			116,66
33 Compressor 4 Installation Costs 55 Surface Pumps 6 Downhole Pumps 77 Measurement & Meter Inst 78 Gas Conditioning / Dehyd 19 Interconnecting Facility Pi 10 Gathering / Bulk Lines	ration ping	-		20,000	20,00
3 Compressor 44 Installation Costs 55 Surface Pumps 66 Downhole Pumps 77 Measurement & Meter Inst 86 Gas Conditioning / Dehyd: 99 Interconnecting Facility Pij 80 Gathering / Bulk Lines 81 Valves, Dumps, Controller	ration ping s	-		116,667	116,666
33 Compressor 44 Installation Costs 55 Surface Pumps 66 Downhole Pumps 75 Measurement & Meter Inst 86 Gas Conditioning/Dehyd: 99 Interconnecting Facility Pi 80 Gathering / Bulk Lines 11 Valves, Dumps, Controller 12 Tank/Facility Containmer	ration ping s			20,000 - 108,333	116,66 - 20,000 - 108,33 43,33
3 Compressor 4 Installation Costs 5 Surface Pumps 6 Downhole Pumps 7 Measurement & Meter Inst 8 Gas Conditioning/Dehyd: 9 Interconnecting Facility Pij 0 Gathering/Bulk Lines 1 Valves, Dumps, Controller 2 Tank/Facility Containmer 3 Flare Stack 4 Electrical/Grounding	ration ping s tt			116,667 	116,66
33 Compressor 44 Installation Costs 55 Surface Pumps 66 Downhole Pumps 77 Measurement & Meter Inst 78 Gas Conditioning / Dehyd: 79 Interconnecting Facility Pi 70 Interconnecting Facility Pi 70 Lathering / Bulk Lines 70 Valves, Dumps, Controller 71 Tank / Facility Containmer 73 Flare Stack 74 Electrical / Grounding 75 Communications / SCADA	ration ping s tt			116,667	116,66
3 Compressor 44 Installation Costs 55 Surface Pumps 66 Downhole Pumps 76 Downhole Pumps 78 Gas Conditioning / Dehydi 79 Interconnecting Facility Pi 79 Gathering / Bulk Lines 11 Valves, Dumps, Controller 12 Tank/ Facility Containmer 13 Flare Stack 14 Electrical / Grounding	ration ping s - tt	-		116,667	116,66
3 Compressor 4 Installation Costs 5 Surface Pumps 6 Downhole Pumps 7 Measurement & Meter Inst 8 Gas Conditioning / Dehyd: 9 Interconnecting Facility Pi 10 Gathering / Bulk Lines 1 Valves, Dumps, Controller 2 Tank / Facility Containmer 3 Flare Stack 4 Electrical / Grounding 5 Communications / SCADA	ration ping s tt TOTAL TANGIBLES >	1,134,676	- - - - - - - - - - - - - - - - - - -	116,667 - 20,000 - 108,333 43,333 16,667 50,000 36,667 833 989,167	116,66 20,000 108,33 43,33 16,66 50,000 36,66 88 82 2,123,84
3 Compressor 4 Installation Costs 5 Surface Pumps 6 Downhole Pumps 7 Measurement & Meter Inst 8 Gas Conditioning / Dehyd: 9 Interconnecting Facility Pi 10 Gathering / Bulk Lines 1 Valves, Dumps, Controller 2 Tank / Facility Containmer 3 Hare Stack 4 Electrical / Grounding 5 Communications / SCADA	ration ping s - tt	-	- - - - - - - - - - - - - - - - - - -	116,667	116,66
3 Compressor 4 Installation Costs 5 Surface Pumps 6 Downhole Pumps 7 Measurement & Meter Inst 8 Gas Conditioning / Dehyd: 9 Interconnecting Facility Pi 10 Gathering / Bulk Lines 1 Valves, Dumps, Controller 2 Tank / Facility Containmer 3 Hare Stack 4 Electrical / Grounding 5 Communications / SCADA	ration ping s tt TOTAL TANGIBLES >	1,134,676		116,667 - 20,000 - 108,333 43,333 16,667 50,000 36,667 833 989,167	116,66 20,000 108,33 43,33 16,66 50,00 36,66 88 2,123,8
3 Compressor 4 Installation Costs 5 Surface Pumps 6 Downhole Pumps 7 Measurement & Meter Inst 8 Gas Conditioning/Dehydi 9 Interconnecting Facility Pi 10 Gathering/Bulk Lines 1 Valves, Dumps, Controller 2 Tank/Facility Containmer 3 Hare Stack 4 Electrical/Grounding 5 Communications/SCADA 6 Instrumentation/Safety	ration ping s tit TOTAL TANGIBLES >	1,134,676		116,667 - 20,000 - 108,333 43,333 16,667 50,000 36,667 833 989,167	116,66 20,00, 108,33 43,33 16,66 50,00, 36,66 88 2,123,8
3 Compressor 4 Installation Costs 5 Surface Pumps 6 Downhole Pumps 7 Measurement & Meter Inst 8 Gas Conditioning / Dehyd: 9 Interconnecting Facility Fit 0 Gathering / Bulk Lines 1 Valves, Dumps, Controller 2 Alare Stack 4 Electrical / Grounding 5 Communications / SCADA 6 Instrumentation / Safety	ration ping s t t TOTAL TANGIBLES > TOTAL COSTS > urces Operating, LLC:	1,134,676		116,667 - 20,000 - 108,333 43,333 16,667 50,000 36,667 833 989,167	116,66 20,00, 108,33 43,33 16,66 50,00, 36,66 88 2,123,8
3 Compressor 4 Installation Costs 5 Surface Pumps 6 Downhole Pumps 7 Measurement & Meter Inst 8 Gas Conditioning/Dehydi 9 Interconnecting Facility Pi 10 Gathering/Bulk Lines 1 Valves, Dumps, Controller 2 Tank/Facility Containmer 3 Hare Stack 4 Electrical/Grounding 5 Communications/SCADA 6 Instrumentation/Safety PARED BY Permian Reso Drilling Engineer:	ration ping s tit TOTAL TANGIBLES > TOTAL COSTS > urces Operating, LLC:	1,134,676		116,667 - 20,000 - 108,333 43,333 16,667 50,000 36,667 833 989,167	116,66 20,00, 108,33 43,33 16,66 50,00, 36,66 88 2,123,8
3 Compressor 4 Installation Costs 5 Surface Pumps 6 Downhole Pumps 7 Measurement & Meter Inst 8 Gas Conditioning/Dehydi 9 Interconnecting Facility Pij 0 Gathering/Bulk Lines 1 Valves, Dumps, Controller 2 Tank/Facility Containmer 3 Hare Stack 4 Electrical/Grounding 5 Communications/SCADA 6 Instrumentation/Safety PARED BY Permian Reso Drilling Engineer: Completions Engineer:	ration ping s tit TOTAL TANGIBLES > TOTAL COSTS > urces Operating, LLC: PS ML	1,134,676		116,667 - 20,000 - 108,333 43,333 16,667 50,000 36,667 833 989,167	116,66 20,000 108,33 43,33 16,66 50,000 36,66 88 82 2,123,84
3 Compressor 4 Installation Costs 5 Surface Pumps 6 Downhole Pumps 7 Measurement & Meter Inst 8 Gas Conditioning/Dehydi 9 Interconnecting Facility Pi 10 Gathering/Bulk Lines 1 Valves, Dumps, Controller 2 Tank/Facility Containmer 3 Hare Stack 4 Electrical/Grounding 5 Communications/SCADA 6 Instrumentation/Safety PARED BY Permian Reso Drilling Engineer:	ration ping s tit TOTAL TANGIBLES > TOTAL COSTS > urces Operating, LLC: PS ML	1,134,676		116,667 - 20,000 - 108,333 43,333 16,667 50,000 36,667 833 989,167	116,66 20,000 108,33 43,33 16,66 50,00 36,66 88 2,123,8
3 Compressor 4 Installation Costs 5 Surface Pumps 6 Downhole Pumps 6 Downhole Pumps 8 Gas Conditioning / Dehydi 9 Interconnecting Facility Fit 0 Gathering / Bulk Lines 1 Valves, Dumps, Controller 2 Tank / Facility Containmer 3 Hare Stack 4 Electrical / Grounding 5 Communications / SCADA 6 Instrumentation / Safety PARED BY Permian Reso Drilling Engineer: Completions Engineer: Production Engineer:	TOTAL TANGIBLES > TOTAL COSTS > urces Operating, LLC: PS ML DC	1,134,676		116,667 - 20,000 - 108,333 43,333 16,667 50,000 36,667 833 989,167	116,66 20,000 108,33 43,33 16,66 50,00 36,66 88 2,123,8
3 Compressor 4 Installation Costs 5 Surface Pumps 6 Downhole Pumps 6 Downhole Pumps 8 Gas Conditioning / Dehydi 9 Interconnecting Facility Fit 0 Gathering / Bulk Lines 1 Valves, Dumps, Controller 2 Tank / Facility Containmer 3 Hare Stack 4 Electrical / Grounding 5 Communications / SCADA 6 Instrumentation / Safety PARED BY Permian Reso Drilling Engineer: Completions Engineer: Production Engineer:	TOTAL TANGIBLES > TOTAL COSTS > urces Operating, LLC: PS ML DC	1,134,676		116,667 - 20,000 - 108,333 43,333 16,667 50,000 36,667 833 989,167	116,66 20,00, 108,33 43,33 16,66 50,00, 36,66 88 2,123,8
3 Compressor 4 Installation Costs 5 Surface Pumps 6 Downhole Pumps 7 Measurement & Meter Inst 8 Gas Conditioning/Dehydi 9 Interconnecting Facility Pij 0 Gathering/ Bulk Lines 1 Valves, Dumps, Controller 2 Tank/ Facility Containmer 3 Hare Stack 4 Electrical/ Grounding 5 Communications/ SCADA 6 Instrumentation/ Safety PARED BY Permian Reso Drilling Engineer: Completions Engineer: Production Engineer:	ration ping s - s - s - s - s - s - s - s - s - s	1,134,676 4,370,396	4,938,578	116,667 - 20,000 - 108,333 43,333 16,667 50,000 36,667 833 989,167 1,711,334	116,66
3 Compressor 4 Installation Costs 5 Surface Pumps 6 Downhole Pumps 6 Downhole Pumps 8 Gas Conditioning / Dehydi 9 Interconnecting Facility Fit 0 Gathering / Bulk Lines 1 Valves, Dumps, Controller 2 Tank / Facility Containmer 3 Hare Stack 4 Electrical / Grounding 5 Communications / SCADA 6 Instrumentation / Safety PARED BY Permian Reso Drilling Engineer: Completions Engineer: Production Engineer:	TOTAL TANGIBLES > TOTAL COSTS > urces Operating, LLC: PS ML DC , LLC APPROVAL:	1,134,676	4,938,578	116,667 - 20,000 - 108,333 43,333 16,667 50,000 36,667 833 989,167	116,66
3 Compressor 4 4 Installation Costs 5 Surface Pumps 6 Downhole Pumps 7 Measurement & Meter Inst 8 Gas Conditioning/Dehydi 9 Interconnecting Facility Pi 10 Gathering/Bulk Lines 1 Valves, Dumps, Controller 2 Tank/Facility Containmer 3 Hare Stack 4 Electrical/Grounding 5 Communications/SCADA 6 Instrumentation/Safety PARED BY Permian Reso Drilling Engineer: Completions Engineer: Production Engineer: ian Resources Operating	ration ping s th TOTAL TANGIBLES > TOTAL COSTS > urces Operating, LLC: PS ML DC LLC APPROVAL:	1,134,676 4,370,396	4,938,578	116,667 - 20,000 - 108,333 43,333 16,667 50,000 36,667 833 989,167 1,711,334	116,66
3 Compressor 4 Installation Costs 5 Surface Pumps 6 Downhole Pumps 7 Measurement & Meter Inst 8 Gas Conditioning/Dehydi 9 Interconnecting Facility Pij 0 Gathering/ Bulk Lines 1 Valves, Dumps, Controller 2 Tank/ Facility Containmer 3 Flare Stack 4 Electrical/ Grounding 5 Communications/ SCADA 6 Instrumentation/ Safety PARED BY Permian Reso Drilling Engineer: Completions Engineer: Production Engineer:	ration ping s th TOTAL TANGIBLES > TOTAL COSTS > urces Operating, LLC: PS ML DC LLC APPROVAL:	1,134,676 4,370,396	4,938,578	116,667 - 20,000 - 108,333 43,333 16,667 50,000 36,667 833 989,167 1,711,334	116,66
33 Compressor 44 Installation Costs 55 Surface Pumps 66 Downhole Pumps 66 Downhole Pumps 76 Measurement & Meter Inst 78 Gas Conditioning/Dehydr 79 Interconnecting Facility Pi 79 Gathering/Bulk Lines 70 Gathering/Bulk Lines 70 Valves, Dumps, Controller 72 Tank/Facility Containmer 73 Flare Stack 74 Electrical/Grounding 75 Communications/SCADA 76 Instrumentation/Safety 76 PARED BY Permian Reso 76 Drilling Engineer: 76 Completions Engineer: 77 Production Engineer: 81 Production Engineer: 81 August 197 Permian Reso 82 Part 197 Permian Reso 83 Part 197 Permian Reso 84 Part 197 Permian Reso 85 Part 197 Permian Reso 86 Part 197 Permian Reso 86 Part 197 Permian Reso 87 Part 197 Permian Reso 88 Part 197 Permian Reso 88 Part 197 Permian Reso 98 Pa	ration ping s th TOTAL TANGIBLES > TOTAL COSTS > urces Operating, LLC: PS ML DC LLC APPROVAL:	1,134,676 4,370,396	4,938,578	116,667 - 20,000 - 108,333 43,333 16,667 50,000 36,667 833 989,167 1,711,334	116,66
3 Compressor 4 Installation Costs 5 Surface Pumps 6 Downhole Pumps 7 Measurement & Meter Inst 8 Gas Conditioning/Dehydi 9 Interconnecting Facility Pi 10 Gathering/Bulk Lines 1 Valves, Dumps, Controller 2 Tank/Facility Containmer 3 Flare Stack 4 Electrical/Grounding 5 Communications/SCADA 6 Instrumentation/Safety PARED BY Permian Reso Drilling Engineer: Completions Engineer: Production Engineer: iian Resources Operating	ration ping s th TOTAL TANGIBLES > TOTAL COSTS > urces Operating, LLC: PS ML DC LLC APPROVAL:	1,134,676 4,370,396	4,938,578	116,667 - 20,000 - 108,333 43,333 16,667 50,000 36,667 833 989,167 1,711,334	116,66
3 Compressor 4 4 Installation Costs 5 Surface Pumps 6 Downhole Pumps 7 Measurement & Meter Inst 8 Gas Conditioning/Dehydi 9 Interconnecting Facility Pi 10 Gathering/Bulk Lines 1 Valves, Dumps, Controller 2 Tank/Facility Containmer 3 Hare Stack 4 Electrical/Grounding 5 Communications/SCADA 6 Instrumentation/Safety PARED BY Permian Reso Drilling Engineer: Completions Engineer: Production Engineer: ian Resources Operating	ration ping s th TOTAL TANGIBLES > TOTAL COSTS > urces Operating, LLC: PS ML DC LLC APPROVAL:	1,134,676 4,370,396	4,938,578	116,667 - 20,000 - 108,333 43,333 16,667 50,000 36,667 833 989,167 1,711,334	116,66
3 Compressor 4 4 Installation Costs 5 Surface Pumps 6 Downhole Pumps 7 Measurement & Meter Inst 8 Gas Conditioning/Dehydi 9 Interconnecting Facility Pi 10 Gathering/Bulk Lines 1 Valves, Dumps, Controller 2 Tank/Facility Containmer 3 Hare Stack 4 Electrical/Grounding 5 Communications/SCADA 6 Instrumentation/Safety PARED BY Permian Reso Drilling Engineer: Completions Engineer: Production Engineer: ian Resources Operating	ration ping s - s - s - s - s - s - s - s - s - s	1,134,676 4,370,396	4,938,578	116,667 - 20,000 - 108,333 43,333 16,667 50,000 36,667 833 989,167 1,711,334	116,66 -20,000 -108,33 -43,33 -16,66 -50,000 -36,66 -83 -2,123,8 -11,020,3
3 Compressor 4 Installation Costs 5 Surface Pumps 6 Downhole Pumps 6 Downhole Pumps 7 Measurement & Meter Inst 8 Gas Conditioning / Dehydb 9 Interconnecting Facility Pi 9 Cathering / Sulk Lines 1 Valves, Dumps, Controller 2 Tank / Facility Containmer 8 Hare Stack 4 Electrical / Grounding 8 Communications / SCADA 6 Instrumentation / Safety PARED BY Permian Reso Drilling Engineer: Completions Engineer: Production Engineer: In Resources Operating Co-CEO VP - Land & Legal OPERATING PARTNEL	TOTAL TANGIBLES > TOTAL COSTS > Urces Operating, LLC: PS ML DC , LLC APPROVAL: WH BG R APPROVAL:		4,938,578 O	116,667 - 20,000 - 108,333 43,333 16,667 50,000 36,667 833 989,167 1,711,334	116,66
S Compressor I Installation Costs S Surface Pumps S Downhole Pumps Downhole Pumps Measurement & Meter Inst S Gas Conditioning / Dehyd: I Interconnecting Facility Pi J Cathering / Bulk Lines I Valves, Dumps, Controller 2 Tank / Facility Containmer Hare Stack I Electrical / Grounding S Communications / SCADA 5 Instrumentation / Safety ARED BY Permian Reso Drilling Engineer: Completions Engineer: Production Engineer: I an Resources Operating Co-CEO VP - Land & Legal	ration ping s s s t TOTAL TANGIBLES > TOTAL COSTS > urces Operating, LLC: PS ML DC , LLC APPROVAL: WH BG R APPROVAL:		4,938,578	116,667 - 20,000 - 108,333 43,333 16,667 50,000 36,667 833 989,167 1,711,334	116,66
S Compressor I Installation Costs Surface Pumps Downhole Pumps Downhole Pumps Gas Conditioning / Dehyd Interconnecting Facility Pi Josathering / Bulk Lines I Valves, Dumps, Controller Tank / Facility Containmer Hare Stack Electrical / Grounding Communications / SCADA Instrumentation / Safety ARED BY Permian Reso Drilling Engineer: Completions Engineer: Production Engineer: I an Resources Operating Co-CEO VP - Land & Legal OPERATING PARTNE	TOTAL TANGIBLES > TOTAL COSTS > urces Operating, LLC: PS ML DC , LLC APPROVAL: WH BG R APPROVAL:		4,938,578 O	116,667 - 20,000 - 108,333 43,333 16,667 50,000 36,667 833 989,167 1,711,334	116,66

DATE:	2.17.2023			AFE NO.:	1
	Joker 5-8 Federal Com 17	1H		FIELD:	Teas; Bone Spring
· · · · · · · · · · · · · · · · · · ·	Section 5, T20S-R34E			MD/TVD:	20,736' / 10,451'
COUNTY/STATE:	Lea County, New Mexico			LATERAL LENGTH:	10,000'
Permian WI:				DRILLING DAYS:	19.6
GEOLOGIC TARGET:	TBSG		(COMPLETION DAYS:	18.6
	Drill a horizontal TBSG w	ell and complete with	1 44 stages. AFE includes o	drilling, completions, fl	owback and Initial AL
REMARKS:	install cost				
		DRILLING	COMPLETION	PRODUCTION	TOTAL
INTANGIBLE C	OSTS	COSTS	COSTS	COSTS	COSTS
Land / Legal / Regulatory	5	55,739		37,500	\$ 93,239
2 Location, Surveys & Damage	es -	2/1,852	17,050	2,500	291,402
Freight / Transportation		44,945	41,312	25,000	111,257
5 Rental - Surface Equipment 5 Rental - Downhole Equipme	mt -	117,323 193,853	203,283	105,000	425,606 250,289
Rental - Living Quarters	-	45,374	51,411		96,785
0 Directional Drilling, Survey	/s	405,348	-		405,348
11 Drilling	-	711,359	-		711,359
2 Drill Bits		94,533	-	-	94,533
3 Fuel & Power	-	178,292	684,220		862,512
14 Cementing & Float Equip 15 Completion Unit, Swab, CT	-	229,592		15,000	229,592 15,000
6 Perforating, Wireline, Slick			370,992	- 13,000	370,992
7 High Pressure Pump Truck			116,330		116,330
8 Completion Unit, Swab, CT		-	138,232		138,232
0 Mud Circulation System		99,283	-		99,283
1 Mud Logging	tion -	16,542	-	-	16,542
2 Logging / Formation Evalua 3 Mud & Chemicals	-	6,860 341,453	7,869 413,503	10,000	764,956
4 Water	-	41,011	624,356	300,000	965,367
25 Stimulation	-	-	768,180	- 300,000	768,180
26 Stimulation Flowback & Di	sp -	-	114,/5/	150,000	264,757
28 Mud / Wastewater Disposal		182,227	57,706	-	239,933
30 Rig Supervision / Engineer		114,369	125,904	21,667	261,941
32 Drlg & Completion Overhe	ad -	9,836	-	101 777	9,836
35 Labor 54 Proppant	-	144,719	65,575 1,184,522	101,667	311,961 1,184,522
95 Insurance	-	13,834	1,104,322		13,834
97 Contingency	-	-	23,045	3,833	26,878
99 Plugging & Abandonment	-	-	-		
	TOTAL INTANGIBLES >	3,318,344	5,064,685	772,167	9,155,19
		DRILLING	COMPLETION	PRODUCTION	TOTAL
TANGIBLE CO	STS	COSTS	COSTS	COSTS	COSTS
0 Surface Casing	5	115,349		-	\$ 115,349
61 Intermediate Casing	-	324,891	-	-	324,891
62 Drilling Liner		-	-	-	
63 Production Casing		648,340	-	-	648,340
64 Production Liner	-			140,000	140,000
65 Tubing 66 Wellhead	-	61,169		40,000	101,169
67 Packers, Liner Hangers	-	13,902		20,000	33,902
68 Tanks	-	-	-	45,833	45,833
69 Production Vessels	-	-	-	126,667	126,667
70 Flow Lines		-	-	66,667	66,667
71 Rod string 72 Artificial Lift Equipment	-	-		00.000	90,000
72 Artificial Lift Equipment 73 Compressor	-	-		90,000	5,833
74 Installation Costs	-			0,000	
75 Surface Pumps	-	-		61,667	61,667
76 Downhole Pumps	-		-		-
77 Measurement & Meter Inst		-	-	116,667	116,667
78 Gas Conditioning / Dehydr			-	20,000	20,000
79 Interconnecting Facility Pip	mg -			20,000	20,000
80 Gathering / Bulk Lines 81 Valves, Dumps, Controllers	, -			108,333	108,333
82 Tank / Facility Containmen				43,333	43,333
83 Flare Stack	-	-	-	16,667	16,667
84 Electrical / Grounding	-			50,000	50,000
	-	-	-	36,667	36,667
		-		833	833
85 Communications / SCADA 86 Instrumentation / Safety			0	989,167	2,152,817
	TOTAL TANGIBLES >	1,163,650			11,308,013
	TOTAL TANGIBLES > TOTAL COSTS >	4,481,994	5,064,685	1,761,334	
			5,064,685	1,761,334	
36 Instrumentation / Safety	TOTAL COSTS >		5,064,685	1,761,334	
66 Instrumentation / Safety PARED BY Permian Resou	TOTAL COSTS >		5,064,685	1,761,334	
96 Instrumentation/Safety PARED BY Permian Resou	TOTAL COSTS > urces Operating, LLC: PS		5,064,685	1,761,334	
6 Instrumentation / Safety PARED BY Permian Resort Drilling Engineer: Completions Engineer:	TOTAL COSTS > urces Operating, LLC: PS ML		5,064,685	1,761,334	
6 Instrumentation / Safety PARED BY Permian Reson	TOTAL COSTS > urces Operating, LLC: PS		5,064,685	1,761,334	
6 Instrumentation / Safety PARED BY Permian Resou Drilling Engineer: Completions Engineer: Production Engineer:	TOTAL COSTS > urces Operating, LLC: PS ML DC		5,064,685	1,761,334	
PARED BY Permian Resort Drilling Engineer: Completions Engineer: Production Engineer:	TOTAL COSTS > urces Operating, LLC: PS ML DC		5,064,685	1,761,334	
PARED BY Permian Resou Drilling Engineer: Completions Engineer: Production Engineer:	TOTAL COSTS > urces Operating, LLC: PS ML DC	4,481,994			
PARED BY Permian Resort Drilling Engineer: Completions Engineer: Production Engineer:	TOTAL COSTS > arces Operating, LLC: PS ML DC LLC APPROVAL:		EO	1,761,334 VP - Opera	
PARED BY Permian Resou Drilling Engineer: Completions Engineer: Production Engineer: nian Resources Operating,	TOTAL COSTS > urces Operating, LLC: PS ML DC LLC APPROVAL: WH	4,481,994 Co-Cl	EOJW		ationsCRM
PARED BY Permian Resou Drilling Engineer: Completions Engineer: Production Engineer:	TOTAL COSTS > urces Operating, LLC: PS ML DC LLC APPROVAL: WH	4,481,994	EO JW		
PARED BY Permian Resou Drilling Engineer: Completions Engineer: Production Engineer: atian Resources Operating,	TOTAL COSTS > urces Operating, LLC: PS ML DC LLC APPROVAL: WH	4,481,994 Co-Cl	EOJW		
PARED BY Permian Resou Drilling Engineer: Completions Engineer: Production Engineer: Lian Resources Operating,	TOTAL COSTS > urces Operating, LLC: PS ML DC LLC APPROVAL: WH	4,481,994 Co-Cl	EO JW		
PARED BY Permian Resou Drilling Engineer: Completions Engineer: Production Engineer: Lian Resources Operating,	TOTAL COSTS > urces Operating, LLC: PS ML DC LLC APPROVAL: WH	4,481,994 Co-Cl	EO JW		
PARED BY Permian Resort Drilling Engineer: Completions Engineer: Production Engineer: ian Resources Operating, Co-CEO VP - Land & Legal	TOTAL COSTS > urces Operating, LLC: PS ML DC LLC APPROVAL: WH BG	4,481,994 Co-Cl	EO JW		
PARED BY Permian Resou Drilling Engineer: Completions Engineer: Production Engineer: Lian Resources Operating, Co-CEO VP - Land & Legal	TOTAL COSTS > urces Operating, LLC: PS ML DC LLC APPROVAL: WH BG	4,481,994 Co-Cl	EOJW cesSO	VP - Opera	CRM
PARED BY Permian Resort Drilling Engineer: Completions Engineer: Production Engineer: atian Resources Operating, Co-CEO VP - Land & Legal	TOTAL COSTS > urces Operating, LLC: PS ML DC LLC APPROVAL: WH BG	4,481,994 Co-Cl	EO JW	VP - Opera	CRM
PARED BY Permian Resou Drilling Engineer: Completions Engineer: Production Engineer: Production Engineer: VP - Land & Legal N OPERATING PARTNER Company Name:	TOTAL COSTS > arces Operating, LLC: PS ML DC LLC APPROVAL: WH BG R APPROVAL:	4,481,994 Co-Cl VP - Geoscien	EO	VP - Opera	CRM
PARED BY Permian Resou Drilling Engineer: Completions Engineer: Production Engineer: Anian Resources Operating, Co-CEO VP - Land & Legal	TOTAL COSTS > urces Operating, LLC: PS ML DC LLC APPROVAL: WH BG	4,481,994 Co-Cl VP - Geoscien	EOJW cesSO	VP - Opera	CRM

DATE:		. COSTS AND AUTHOR	RIZATION FOR EXPEN		1
DATE: WELL NAME:	2.17.2023 Joker 5-8 Federal Com 131	Н		AFE NO.: FIELD:	1 Teas; Bone Spring
LOCATION:	Section 5, T20S-R34E			MD/TVD:	21,116' / 10,831'
COUNTY/STATE:	Lea County, New Mexico			LATERAL LENGTH:	10,000'
Permian WI:				DRILLING DAYS:	19.6
GEOLOGIC TARGET:	TBSG	<u> </u>		COMPLETION DAYS:	18.6
DEM A DICC	Drill a horizontal TBSG we	ell and complete with	44 stages. AFE include	s drilling, completions, f	lowback and Initial AI
REMARKS:	install cost				
INITANCIDIE	COSTS	DRILLING COSTS	COMPLETION COSTS	PRODUCTION COSTS	TOTAL COSTS
INTANGIBLE (Land / Legal / Regulatory	5	57,069	-	37,500	\$ 94,569
Location, Surveys & Damag	ges	278,338	17,456	2,500	298,29
Freight / Transportation	. =	46,017	42,298	25,000	113,313
Rental - Surface Equipment Rental - Downhole Equipm		120,122 198,477	208,133	105,000	433,255 256,26
Rental - Living Quarters	-	46,457	52,637	-	99,09
0 Directional Drilling, Surve	eys	415,018	-	-	415,01
1 Drilling 2 Drill Bits	_	728,329 96,788	-	-	728,32 96,78
3 Fuel & Power	-	182,546	700,542		883,08
4 Cementing & Float Equip	_	235,069	-	-	235,06
5 Completion Unit, Swab, C		-	-	15,000	15,00
6 Perforating, Wireline, Slick 7 High Pressure Pump Truck			379,842 119,106		379,84 119,10
8 Completion Unit, Swab, C			141,530		141,53
0 Mud Circulation System	_	101,651	-	-	101,65
1 Mud Logging		16,936	-	-	16,93
2 Logging / Formation Evalu 3 Mud & Chemicals		7,024 349,599	8,057 423,367	10,000	75,08 782,96i
4 Water	-	41,989	639,251	300,000	981,24
5 Stimulation	-	-	786,506	-	786,50
6 Stimulation Flowback & E		186,574	117,494 59,083	150,000	267,49
8 Mud / Wastewater Disposa 80 Rig Supervision / Enginee		186,574	128,908	21,667	245,65
2 Drlg & Completion Overh		10,071	-	21,007	10,07
5 Labor	_	148,172	67,140	101,667	316,97
4 Proppant	_	14.144	1,212,780	-	1,212,78
5 Insurance 7 Contingency	_	14,164	23,595	3,833	14,16- 27,42i
9 Plugging & Abandonment	-		- 25,555	-	
	TOTAL INTANGIBLES >	3,397,506	5,185,507	772,167	9,355,18
		DRILLING	COMPLETION	PRODUCTION	TOTAL
TANGIBLE C		COSTS	COSTS	COSTS	COSTS
0 Surface Casing 1 Intermediate Casing	s_	332,642	-		\$ 118,10 332,64
2 Drilling Liner	-	-		-	
3 Production Casing	_	663,806	-	-	663,80
4 Production Liner	_		-	7.40.000	
i5 Tubing i6 Wellhead	_	62,628		140,000 40,000	140,000
7 Packers, Liner Hangers	_	14,234		20,000	34,234
58 Tanks	_	-	-	45,833	45,833
9 Production Vessels 70 Flow Lines	_	-	-	126,667	126,66
71 Rod string	_			66,667	66,66
72 Artificial Lift Equipment	-	-	-	90,000	90,00
'3 Compressor		-	-	5,833	5,83
4 Installation Costs	_			61.667	- (1.66
5 Surface Pumps 6 Downhole Pumps	_			61,667	61,66
7 Measurement & Meter Ins	tallation	-		116,667	116,66
8 Gas Conditioning / Dehyd		-	-	-	
9 Interconnecting Facility Pi 0 Gathering / Bulk Lines	ping	-	-	20,000	20,00
1 Valves, Dumps, Controller	rs –			108,333	108,33
2 Tank / Facility Containme		_		43,333	43,33
3 Flare Stack	_	-		16,667	16,66
4 Electrical / Grounding	_	-		50,000	50,00
5 Communications / SCADA 6 Instrumentation / Safety	_			833	36,66
o moramemation, ource,	TOTAL TANGIBLES >	1,191,410	0	989,167	2,180,57
	TOTAL COSTS >	4,588,916	5,185,507	1,761,334	11,535,75
PARED BY Permian Reso	ources Operating, LLC:				
Drilling Engineer					
Completions Engineer					
Production Engineer:	: DC				
ian Resources Operating	, LLC APPROVAL:				
C- CEC	`	C- CE		VD. On on	
Co-CEC	WH	Co-CE	IW IW	VP - Oper	CRM
VP - Land & Legal		VP - Geoscience	JVV		CRIVI
1. Lund or Legal	BG	1. Geoscielle	SO		
OPERATING PARTNE	R APPROVAL:				
Company Name	:		Working Interest (%):	Т	Tax ID:
			_		-
Signed by:			Date:		
Title			Approval: [Voc	No (mark one)

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Permian Resources Operating, LLC

300 N. Marienfeld St., Ste. 1000 Midland, TX 79701 Phone (432) 695-4222 • Fax (432) 695-4063

ESTIMATE OF COSTS AND AUTHORIZATION FOR EXPENDITURE

DATE:	2.17.2023			AFE NO.:	1
WELL NAME:	Joker 5-8 Federal Com 11	2H		FIELD:	Teas; Bone Spring
LOCATION:	Section 5, T20S-R34E			MD/TVD:	19,881' / 9,596'
COUNTY/STATE:	Lea County, New Mexico)		LATERAL LENGTH:	10,000'
Permian WI:				DRILLING DAYS:	19.6
GEOLOGIC TARGET:	FBSG			COMPLETION DAYS:	18.6
REMARKS:	Drill a horizontal FBSG v install cost	vell and complete v	vith 44 stages. AFE include	es drilling, completions, f	lowback and Initial AL
	niotan cost	DRILLING	COMPLETION	PRODUCTION	TOTAL
INTANGIBLE C	OSTS	DRILLING COSTS	COMPLETION COSTS	PRODUCTION COSTS	TOTAL COSTS
T Land / Legal / Regulatory	5	52,768	-	37,500	\$ 90,268
2 Location, Surveys & Damag	es	257,363	16,141	2,500	276,003
4 Freight / Transportation		42,549	39,110	25,000	106,660
5 Rental - Surface Equipment 6 Rental - Downhole Equipme		111,070 183,520	192,448 53,429	105,000	408,518 236,949
7 Rental - Living Quarters		42,956	48,671		91,627
10 Directional Drilling, Surve	ys	383,743	-	-	383,743
11 Drilling		673,443	-	-	673,443
12 Drill Bits		89,495	- 24171753	-	89,495
13 Fuel & Power 14 Cementing & Float Equip		168,789 217,354	647,751		816,540 217,354
15 Completion Unit, Swab, C	ΓU			15,000	15,000
16 Perforating, Wireline, Slick		-	351,218	-	351,218
17 High Pressure Pump Truck		-	110,130	-	110,130
18 Completion Unit, Swab, C.	IU	- 02 001	130,865		130,865
20 Mud Circulation System 21 Mud Logging		93,991 15,660			93,991 15,660
22 Logging / Formation Evalu	ation	6,495	7,450		13,944
23 Mud & Chemicals		323,254	391,463	10,000	724,717
24 Water		38,825	591,078	225,000	854,903
25 Stimulation 26 Stimulation Flowback & D	ien		727,236	1501990	727,236 258,640
28 Mud/Wastewater Disposa		172,514	108,640 54,630	150,000	258,640
30 Rig Supervision / Engineer		108,273	119,194	21,667	249,134
32 Drlg & Completion Overhe		9,312	-		9,312
35 Labor		137,006	62,080	101,667	300,753
54 Proppant 95 Insurance		12.002	1,121,387		1,121,387
97 Contingency		13,096	21,817	3,833	13,096 25,650
99 Plugging & Abandonment			-	-	=
	TOTAL INTANGIBLES >	3,141,476	4,794,736	697,167	8,633,379
		DRILLING	COMPLETION	PRODUCTION	TOTAL
TANGIBLE CO	OSTS	COSTS	COSTS	COSTS	COSTS
60 Surface Casing	5	109,201	-	-	\$ 109,201
61 Intermediate Casing		307,574	-	-	307,574
62 Drilling Liner				-	- /10 1/00
63 Production Casing 64 Production Liner		613,783		-	613,783
65 Tubing				140,000	140,000
66 Wellhead		57,908	-	40,000	97,908
67 Packers, Liner Hangers		13,161	-	20,000	33,161
68 Tanks		-	-	45,833	45,833
69 Production Vessels 70 Flow Lines				126,667	126,667
71 Rod string				66,667	66,667
72 Artificial Lift Equipment				90,000	90,000
73 Compressor		-	-	5,833	5,833
74 Installation Costs		-	-	-	-
75 Surface Pumps 76 Downhole Pumps				61,667	61,667
77 Measurement & Meter Inst	allation			116,667	116,667
78 Gas Conditioning / Dehyd				- 110/007	-
79 Interconnecting Facility Pi		-	-	20,000	20,000
80 Gathering / Bulk Lines		-	-	-	-
81 Valves, Dumps, Controller			-	108,333	108,333
82 Tank / Facility Containmer 83 Flare Stack	ıı			43,333	43,333
84 Electrical / Grounding				50,000	50,000
85 Communications / SCADA		-	-	36,667	36,667
86 Instrumentation / Safety			-	853	853
	TOTAL TANGIBLES >	1,101,627	0	989,187	2,090,814
	TOTAL COSTS >	4,243,103	4,794,736	1,686,354	10,724,193
EPARED BY Permian Reso	urces Operating, LLC:				
n :	77-				
Drilling Engineer:	PS				
Completions Engineer:					
Production Engineer:	DC				
mian Resources Operating	, LLC APPROVAL:				
Co-CEO		C	o-CEO	VP - Oper	
	WH		JW .		CRM
VP - Land & Legal	DC.	VP - Geos			
	ВG		SO		
N OPERATING PARTNE	R APPROVAL:				
Company Name:			Working Interest (%):	ТТ	Tax ID:
Signed by:		_	Date:	_	
Signed by:			Date:		
Trid.			A		□ N. (1)

300 N. Marienfeld St., Ste. 1000 Midland, TX 79701 Phone (432) 695-4222 • Fax (432) 695-4063

IMATE OF COSTS AND AUTHORIZATION FOR EXPENDITURE

DATE: WELL NAME:	2.17.2023 Joker 5-8 Federal Com 123.	Н		AFE NO.: FIELD:	1 Teas; Bone Spring
OCATION:	Section 5, T20S-R34E	11		MD/TVD:	20,581' / 10,296'
OUNTY/STATE:	Lea County, New Mexico			LATERAL LENGTH:	10,000'
ermian WI:	Lea County, INCW MICKEO			DRILLING DAYS:	19.6
EOLOGIC TARGET:	SBSG			COMPLETION DAYS:	18.6
	Drill a horizontal SBSG we	ll and complete with	44 stages, AFE include	_	
EMARKS:	install cost			,, s,,,	
		DRILLING	COMPLETION	PRODUCTION	TOTAL
INTANGIBLE (Land / Legal / Regulatory	COSTS	COSTS	COSTS	COSTS	COSTS
Location, Surveys & Damas	ges	54,351 265,083	16,625	2,500 2,500	\$ 91,83 284,20
Freight / Transportation	´ –	43,826	40,284	25,000	109,1
Rental - Surface Equipment		114,402	198,221	105,000	417,62
Rental - Downhole Equipm	ent	189,026	55,031 50,131	-	244,0
Rental - Living Quarters Directional Drilling, Surve	evs	44,244 395,255	30,131		94,33 395,2
1 Drilling	_	693,647	-	-	693,6
2 Drill Bits	_	92,179	-	-	92,1
Fuel & Power	_	1/3,853	667,183	-	841,0
4 Cementing & Float Equip 5 Completion Unit, Swab, C	TU -	223,875		15,000	223,8
6 Perforating, Wireline, Slick			361,754	=	361,73
7 High Pressure Pump Truc		-	113,434	-	113,4
8 Completion Unit, Swab, C	TU	-	134,791	-	134,75
Mud Circulation System	_	96,811 16,130			96,81
l Mud Logging 2 Logging / Formation Evalu	ation	6,690	7,673		14,36
3 Mud & Chemicals	_	332,951	403,207	10,000	746,1
4 Water	_	39,990	608,810	250,000	898,81
Stimulation		-	749,053	-	749,0
6 Stimulation Flowback & E 8 Mud/Wastewater Disposa		177,689	111,899 56,269	150,000	261,89
8 Mud / Wastewater Disposa 0 Rig Supervision / Enginee		177,689	122,769	21,667	255,95
2 Drlg & Completion Overh		9,591		=	9,59
5 Labor	_	141,116	63,942	101,667	306,72
4 Proppant	_	-	1,155,029	-	1,155,02
5 Insurance 7 Contingency	_	13,489	22,472	3,833	13,48
9 Plugging & Abandonment	-		- 22/4/2	- 3,833	20,30
00 0	TOTAL INTANGIBLES >	3,235,720	4,938,578	722,167	8,896,4
		DRILLING	COMPLETION	PRODUCTION	TOTAL
TANGIBLE C	OCTC	COSTS	CONFLETION	COSTS	COSTS
0 Surface Casing	5	112,47/			\$ 112,47
1 Intermediate Casing	· -	316,801			316,80
2 Drilling Liner	_	-	-	-	-
3 Production Casing		632,196	-	-	632,19
4 Production Liner	_		-	140,000	140,00
5 Tubing 6 Wellhead	_	59,645		40,000	99,64
7 Packers, Liner Hangers	_	13,556		20,000	33,55
8 Tanks	-	-	-	-	
9 Production Vessels		-	-	45,833	45,83
0 Flow Lines 1 Rod string	_	-		126,667	126,66
2 Artificial Lift Equipment	_			90,000	90,00
3 Compressor	_	-	-	5,833	5,83
4 Installation Costs	-	-	-		
5 Surface Pumps		-	-	61,667	61,66
6 Downhole Pumps	tallation			116,667	116,66
7 Measurement & Meter Ins 8 Gas Conditioning / Dehyd				110,007	110,00
9 Interconnecting Facility Pi		-	-	20,000	20,00
0 Gathering / Bulk Lines	_	-	-	-	-
1 Valves, Dumps, Controller		-	-	108,333	108,33
2 Tank / Facility Containme 3 Flare Stack	nt	- _		43,333	43,33
4 Electrical / Grounding	_	-		50,000	50,00
5 Communications / SCADA	· -	-		36,667	36,66
6 Instrumentation / Safety	_	-	-	833	83
	TOTAL TANGIBLES >	1,134,676	0	989,167	2,123,8
	TOTAL COSTS >	4,370,396	4,938,578	1,711,334	11,020,3
ARED BY Permian Reso	ources Operating, LLC:				
Drilling Engineer	: PS				
Completions Engineer	: ML				
Production Engineer	: DC				
ian Resources Operating	, LLC APPROVAL:				
Co-CEC	WH	Co-CI	EO	VP - Oper	ations
VD 1 1 0-7 1	WH	VP C	***		CRM
VP - Land & Legal	BG BG	VP - Geoscieno	SO.		
	ы		30		
OPERATING PARTNE	R APPROVAL:				
Company Name	:		Working Interest (%):	T	ax ID:
Signad by			Date		
Signed by:	:		Date:		
			_	_	

300 N. Marienfeld St., Ste. 1000 Midland, TX 79701 Phone (432) 695-4222 • Fax (432) 695-4063

MATE OF COSTS AND AUTHORIZATION FOR EXPENDITURE

DATE: WELL NAME:	2.17.2023 Joker 5-8 Federal Com 124	Н		AFE NO.: FIELD:	1 Teas; Bone Spring
LOCATION:	Section 5, T20S-R34E			MD/TVD:	20,256' / 9,971'
COUNTY/STATE:	Lea County, New Mexico			LATERAL LENGTH:	10,000'
Permian WI:				DRILLING DAYS:	19.6
GEOLOGIC TARGET:	SBSG			COMPLETION DAYS:	18.6
REMARKS:	Drill a horizontal SBSG we install cost	ell and complete with	44 stages. AFE include	s drilling, completions, f	lowback and Initial AL
		DRILLING	COMPLETION	PRODUCTION	TOTAL
INTANGIBLE (COSTS	COSTS	COSTS	COSTS	COSTS
Land / Legal / Regulatory Location, Surveys & Damag	5	54,351 265,083	16,625	37,500 2,500	\$ 91,85° 284,208
Freight / Transportation	_	43,826	40,284	25,000	109,110
5 Rental - Surface Equipment		114,402	198,221	105,000	417,624
6 Rental - Downhole Equipm 7 Rental - Living Quarters	ent	189,026 44,244	55,031 50,131	-	244,057
10 Directional Drilling, Surve	eys —	395,255	- 30,131		395,255
11 Drilling	_	693,647	-	-	693,647
12 Drill Bits 13 Fuel & Power	_	92,179 173,853	667,183		92,179 841,03
14 Cementing & Float Equip	_	223,875	-	-	223,875
15 Completion Unit, Swab, C		-	-	15,000	15,000
16 Perforating, Wireline, Slicl 17 High Pressure Pump Trucl			361,754 113,434		361,754 113,434
18 Completion Unit, Swab, C		-	134,791		134,79
20 Mud Circulation System	_	96,811	-	-	96,81
21 Mud Logging 22 Logging / Formation Evalu	ation	16,130 6,690	7,6/3		16,130 14,363
23 Mud & Chemicals	_	332,951	403,207	10,000	746,158
24 Water	_	39,990	608,810	250,000	898,800
25 Stimulation 26 Stimulation Flowback & D	Disp	-	749,053 111,899	150,000	749,053 261,899
28 Mud/Wastewater Disposa		177,689	56,269	-	233,959
30 Rig Supervision / Engineer		111,522	122,769	21,667	255,958
32 Drlg & Completion Overh 35 Labor	ead	9,591 141,116	63,942	101,667	9,591 306,725
54 Proppant	_	141,110	1,155,029	101,007	1,155,029
95 Insurance	_	13,489	-	-	13,489
97 Contingency	_	-	22,472	3,833	26,305
99 Plugging & Abandonment	_	3,235,720	4,938,578	722,167	8,896,46
	TOTAL INTANGIBLES >				
TANGIBLE CO	OSTS	DRILLING COSTS	COMPLETION COSTS	PRODUCTION COSTS	TOTAL COSTS
60 Surface Casing	5	112,477	-	-	\$ 112,477
61 Intermediate Casing	_	316,801		-	316,801
62 Drilling Liner 63 Production Casing	_	632,196			632,196
64 Production Liner	_	-			
65 Tubing	_	-	-	140,000	140,000
66 Wellhead 67 Packers, Liner Hangers	_	59,645 13,556		40,000 20,000	99,645 33,556
68 Tanks	_	-	-	=	-
69 Production Vessels	_	-	-	45,833	45,833
70 Flow Lines 71 Rod string	_			126,667	126,667
72 Artificial Lift Equipment	_			90,000	90,000
73 Compressor	_	-	-	5,833	5,833
74 Installation Costs	_	-		(1//7	
75 Surface Pumps 76 Downhole Pumps	_			61,667	61,667
77 Measurement & Meter Ins	tallation	-		116,667	116,667
78 Gas Conditioning / Dehyd		-	-	-	-
79 Interconnecting Facility Pi 80 Gathering / Bulk Lines	ping			20,000	20,000
81 Valves, Dumps, Controller	rs —	-	-	108,333	108,333
82 Tank / Facility Containmen	nt	-	-	43,333	43,333
83 Flare Stack 84 Electrical / Grounding	_			16,667	16,667
85 Communications / SCADA	_			36,667	36,667
86 Instrumentation / Safety	_	-	-	833	833
	TOTAL TANGIBLES >	1,134,676	0	989,167	2,123,84
	TOTAL COSTS >	4,370,396	4,938,578	1,711,334	11,020,30
PARED BY Permian Reso	urces Operating LLC				
Drilling Engineer: Completions Engineer:					
Production Engineer:					
nian Resources Operating	, LLC APPROVAL:				
Co-CEO		Co-Cl		VP - Oper	
3773 T. 10 T.	WH	Im C	JW		CRM
VP - Land & Legal	BG.	VP - Geoscien	ces		
	E-ci		30		
N OPERATING PARTNE	R APPROVAL:				
Company Name:			Working Interest (%):	ТТ	ax ID:
Signed by:			Date:		
- mud		-		7	

ESTIMATE OF COSTS AND AUTHORIZATION FOR EXPENDITURE

DATE	2 17 2022			A 9797 3-7-7	1
DATE:	2.17.2023			AFE NO.:	1
WELL NAME:	Joker 5-8 Federal Com 17	2H		FIELD:	Teas; Bone Spring
LOCATION:	Section 5, T20S-R34E			MD/TVD:	20,731' / 10,446'
COUNTY/STATE:	Lea County, New Mexico			LATERAL LENGTH:	10,000'
Permian WI:				DRILLING DAYS:	19.6
GEOLOGIC TARGET:	TBSG			COMPLETION DAYS:	18.6
	Drill a horizontal TBSG w	zell and complete with 4	4 stages. AFE include	_	
REMARKS:	install cost	. c and complete with 4	· orageo. rara menude	ammg, completions, n	Juck and mittal AL
ALITERAÇI.	moun cost				
		DRILLING	COMPLETION	PRODUCTION	TOTAL
INTANGIBLE	COSTS	COSTS	COSTS	COSTS	COSTS
T Land / Legal / Regulatory	5	55,739		37,500	\$ 93,239
2 Location, Surveys & Dama	T	2/1,852	17,050	2,500	291,402
4 Freight / Transportation	·	44,945	41,312	25,000	111,257
5 Rental - Surface Equipmen		117,323	203,283	105,000	425,606
6 Rental - Downhole Equipm	nent	193,853	56,437	-	250,289
7 Rental - Living Quarters	-	45,374	51,411	-	96,785
10 Directional Drilling, Surv	eys	405,348	-	-	405,348
11 Drilling		711,359			711,359
12 Drill Bits	_	94,533	-	-	94,533
13 Fuel & Power		178,292	684,220	-	862,512
14 Cementing & Float Equip		229,592		15,000	229,592
15 Completion Unit, Swab, C		-	370,992	15,000	15,000
16 Perforating, Wireline, Slic 17 High Pressure Pump Truc			116,330		370,992 116,330
18 Completion Unit, Swab, C			138,232		138,232
20 Mud Circulation System		99,283	130,232		99,283
21 Mud Logging	-	16,542			16,542
22 Logging / Formation Eval	uation	6,860	7,869		14,729
23 Mud & Chemicals		341,453	413,503	10,000	764,956
24 Water	-	41,011	624,356	300,000	965,367
25 Stimulation	-		768,180		768,180
26 Stimulation Flowback & I	Disp	 -	114,757	150,000	264,757
28 Mud / Wastewater Dispos		182,227	57,706		239,933
30 Rig Supervision / Enginee		114,369	125,904	21,667	261,941
32 Drlg & Completion Overl		9,836	-	-	9,836
35 Labor	-	144,719	65,575	101,667	311,961
54 Proppant	-	-	1,184,522		1,184,522
95 Insurance	-	13,834			13,834
97 Contingency	-	-	23,045	3,833	26,878
99 Plugging & Abandonmen	ıt -	-			
	TOTAL INTANGIBLES >	3,318,344	5,064,685	772,167	9,155,196
		DRILLING	COMPLETION	PRODUCTION	TOTAL
TANGIBLE	COSTS	COSTS	COSTS	COSTS	COSTS
60 Surface Casing	5	115,349			\$ 115,349
61 Intermediate Casing		324,891	-	-	324,891
62 Drilling Liner		-		-	-
63 Production Casing		648,340		-	648,340
64 Production Liner				140,000	140,000
65 Tubing 66 Wellhead	-	61,169		40,000	101,169
67 Packers, Liner Hangers	-	13,902		20,000	33,902
68 Tanks	-	13,702		45,833	45,833
69 Production Vessels	-	 -		126,667	126,667
70 Flow Lines	-			66,667	66,667
71 Rod string	-			-	
72 Artificial Lift Equipment	-			90,000	90,000
73 Compressor	-			5,833	5,833
74 Installation Costs	-				
75 Surface Pumps	-	-		61,667	61,667
76 Downhole Pumps	-				
77 Measurement & Meter In	stallation	-		116,667	116,667
78 Gas Conditioning / Dehye		-			
79 Interconnecting Facility P	iping -	-		20,000	20,000
80 Gathering / Bulk Lines	•	-		-	-
81 Valves, Dumps, Controlle	ers	-		108,333	108,333
82 Tank / Facility Containme	ent	-	-	43,333	43,333
83 Flare Stack	·	-		16,667	16,667
84 Electrical / Grounding	-	-	-	50,000	50,000
85 Communications / SCAD.	A	-		36,667	36,667
86 Instrumentation / Safety	·	-	-	833	833
	TOTAL TANGIBLES >	1,163,650	0	989,167	2,152,817
	TOTAL COSTS >	4,481,994	5,064,685	1,761,334	11,308,013
EPARED BY Permian Res	ources Operating, LLC:				
Drilling Engineer	r: PS				
Completions Engineer	r: ML				
Production Engineer					
mian Resources Operatin					
Co-CEC		Co-CEC		VP - Oper	
	WH		JW		CRM
	1	VP - Geosciences	3		
VP - Land & Lega			SO		
VP - Land & Lega	BG				
	· 				
ON OPERATING PARTNE	ER APPROVAL:		Morking Interest (0)		av ID:
	ER APPROVAL:		Working Interest (%):		ax ID:
ON OPERATING PARTNE	ER APPROVAL:		Working Interest (%): Date:	т	ax ID:
ON OPERATING PARTNE	ER APPROVAL:		_	_т	ax ID:

ESTIMATE OF COSTS AND AUTHORIZATION FOR EXPENDITURE

DATE	2.17.2022			A TOT 3.70	1
DATE:	2.17.2023	27.7		AFE NO.:	1
WELL NAME:	Joker 5-8 Federal Com 13	2H		FIELD:	Teas; Bone Spring
LOCATION:	Section 5, T20S-R34E			MD/TVD:	21,116' / 10,831'
COUNTY/STATE:	Lea County, New Mexico			LATERAL LENGTH:	10,000'
Permian WI:				DRILLING DAYS:	19.6
GEOLOGIC TARGET:	TBSG			COMPLETION DAYS:	18.6
	Drill a horizontal TBSG w	rell and complete with 4	4 stages. AFE include	_	
REMARKS:	install cost	ca and complete with 4	· orageo. rara menude	ammg, compicuous, n	o ouck and mittal AL
ALITERAÇI.	moun cost				
		DRILLING	COMPLETION	PRODUCTION	TOTAL
INTANGIBLE	COSTS	COSTS	COSTS	COSTS	COSTS
T Land / Legal / Regulatory	5	57,069		37,500	\$ 94,569
2 Location, Surveys & Dama	T	2/8,338	17,456	2,500	298,294
4 Freight / Transportation	•	46,017	42,298	25,000	113,315
5 Rental - Surface Equipmen		120,122	208,133	105,000	433,255
6 Rental - Downhole Equipm	nent	198,477	57,783	-	256,260
7 Rental - Living Quarters	·	46,457	52,637		99,094
10 Directional Drilling, Surv	reys	415,018	-	-	415,018
11 Drilling		728,329			728,329
12 Drill Bits	_	96,788	-	-	96,788
13 Fuel & Power		182,546	700,542	-	883,088
14 Cementing & Float Equip		235,069		15,000	235,069
15 Completion Unit, Swab, C		-	379,842	15,000	15,000
16 Perforating, Wireline, Slic 17 High Pressure Pump Truc			119,106		379,842 119,106
18 Completion Unit, Swab, G			141,530		141,530
20 Mud Circulation System		101,651	141,330		101,651
21 Mud Logging	-	16,936			16,936
22 Logging / Formation Eval	nation	7,024	8,057		15,081
23 Mud & Chemicals		349,599	423,367	10,000	782,966
24 Water	-	41,989	639,251	300,000	981,240
25 Stimulation	-	-	786,506	-	786,506
26 Stimulation Flowback & 1	Disp		117,494	150,000	267,494
28 Mud / Wastewater Dispos		186,574	59,083		245,657
30 Rig Supervision / Engine		117,098	128,908	21,667	267,673
32 Drlg & Completion Overl		10,071	-	=	10,071
35 Labor	-	148,172	67,140	101,667	316,978
54 Proppant	-	-	1,212,780		1,212,780
95 Insurance	-	14,164			14,164
97 Contingency	-	-	23,595	3,833	27,428
99 Plugging & Abandonmen	nt -	-			-
	TOTAL INTANGIBLES >	3,397,506	5,185,507	772,167	9,355,180
		DRILLING	COMPLETION	PRODUCTION	TOTAL
TANGIBLE	COSTS	COSTS	COSTS	COSTS	COSTS
60 Surface Casing	5	118,101			\$ 118,101
61 Intermediate Casing		332,642	-	-	332,642
62 Drilling Liner		-		-	-
63 Production Casing		663,806		-	663,806
64 Production Liner				140,000	140,000
65 Tubing	-	62.620		140,000	
66 Wellhead	-	62,628 14,234		40,000 20,000	102,628 34,234
67 Packers, Liner Hangers 68 Tanks	-	14,234			45,833
	-			45,833	
69 Production Vessels 70 Flow Lines	-			126,667	126,667
71 Rod string	-			00,007	- 00,007
72 Artificial Lift Equipment	-			90,000	90,000
73 Compressor	-			5,833	5,833
74 Installation Costs	-			0,000	
75 Surface Pumps	-			61,667	61,667
76 Downhole Pumps	-			01,007	
77 Measurement & Meter In	stallation			116,667	116,667
78 Gas Conditioning / Dehy				-	
79 Interconnecting Facility P				20,000	20,000
80 Gathering / Bulk Lines					-
81 Valves, Dumps, Controlle	ers	-		108,333	108,333
82 Tank / Facility Containme	ent -	-		43,333	43,333
83 Flare Stack	-	-		16,667	16,667
84 Electrical / Grounding	•	-		50,000	50,000
85 Communications / SCAD	A	-	-	36,667	36,667
86 Instrumentation / Safety	•	-	-	833	833
	TOTAL TANGIBLES >	1,191,410	0	989,167	2,180,577
	TOTAL COSTS >	4,588,916	5,185,507	1,761,334	11,535,757
EPARED BY Permian Res	ources Operating, LLC:				
Drilling Engineer	r: PS				
0 0					
Completions Engineer					
Production Engineer	r: DC				
mian Resources Operatin	g, LLC APPROVAL:				
Co-CEO	1	Co-CEC)	VP - Oper	ations
	WH	CO-CLC	IW	vi - Opti	CRM
	VVITI	VP - Geosciences	***		CKW
	1				
VP - Land & Lega	al BG		SO		
VP - Land & Lego	BG		so		
VP - Land & Lego	BG		so		
VP - Land & Lego	BG ER APPROVAL:			т	ax ID:
VP - Land & Lego	BG ER APPROVAL:				ax ID:
VP - Land & Lego	BG ER APPROVAL:				ax ID:
VP - Land & Lego ON OPERATING PARTNI Company Name	ER APPROVAL:		Working Interest (%):	T	ax ID:

Permian Resources Operating, LLC 300 N. Marienfeld St., Ste. 1000 Midland, TX 79701

		COSTS AND AUTHO	ORIZATION FOR EXPEND		
DATE:	2.17.2023			AFE NO.:	1
VELL NAME:	Joker 5-8 Federal Com 113	H		FIELD:	Teas; Bone Spring
OCATION:	Section 5, T20S-R34E			MD/TVD:	19,901' / 9,616'
OUNTY/STATE:	Lea County, New Mexico			LATERAL LENGTH:	10,000'
ermian WI:				DRILLING DAYS:	19.6
GEOLOGIC TARGET:	FBSG			COMPLETION DAYS:	18.6
	Drill a horizontal FBSG we	ell and complete with	n 44 stages. AFE includes	drilling, completions, fl	owback and Initial Al
REMARKS:	install cost				
		DRILLING	COMPLETION	PRODUCTION	TOTAL
INTANGIBLE C	OSTS	COSTS	COSTS	COSTS	COSTS
Land / Legal / Regulatory	5	52,768		37,500	\$ 90,26
Location, Surveys & Damage	es –	257,363	16,141	2,500	276,00
Freight / Transportation	-	42,549	39,110	25,000	106,66
Rental - Surface Equipment	_	111,070	192,448	105,000	408,51
Rental - Downhole Equipme	ent	183,520	53,429	-	236,94
Rental - Living Quarters		42,956	48,671	-	91,62
Directional Drilling, Surve	ys _	383,743		-	383,74
1 Drilling	_	6/3,443	-		673,44
2 Drill Bits	_	89,495	- C 417 175 1		89,49
3 Fuel & Power	_	168,789 217,354	647,751	-	816,54
4 Cementing & Float Equip 5 Completion Unit, Swab, CT		217,334		15,000	217,38
6 Perforating, Wireline, Slick			351,218	15,000	351,21
7 High Pressure Pump Truck			110,130		110,13
8 Completion Unit, Swab, Cl			130,865		130,86
0 Mud Circulation System	-	93,991	130,003		93,99
1 Mud Logging	-	15,660	-		15,66
2 Logging / Formation Evalua	ntion	6,495	7,450		13,94
3 Mud & Chemicals	-	323,254	391,463	10,000	724,71
4 Water	-	38,825	591,078	225,000	854,90
5 Stimulation	-	-	727,236	-	727,23
6 Stimulation Flowback & D	isp	-	108,640	150,000	258,64
8 Mud/Wastewater Disposa	_	172,514	54,630	-	227,14
0 Rig Supervision / Engineer		108,273	119,194	21,667	249,13
2 Drlg & Completion Overhe	ad	9,312	-	-	9,31
5 Labor		137,006	62,080	101,667	300,75
4 Proppant		-	1,121,387	-	1,121,38
5 Insurance	_	13,096	-		13,09
7 Contingency 9 Plugging & Abandonment	_		21,817	3,833	25,65
79 I lugging & Abandonment	TOTAL INTANCIBLES.	2 1 41 476	4 504 526	COE 1 CE	0.022.22
	TOTAL INTANGIBLES >	3,141,476	4,794,736	697,167	8,633,31
		DRILLING COSTS	COMPLETION COSTS	PRODUCTION COSTS	TOTAL COSTS
TANGIBLE CO 0 Surface Casing	1515	109,201	C0515	C0313	\$ 109,20
51 Intermediate Casing	<i>y</i> _	307,574			307,57
52 Drilling Liner	_	307,374			307,37
53 Production Casing	_	613,783			613,78
64 Production Liner	_	-			-
55 Tubing	_	-		140,000	140,00
66 Wellhead	_	57,908	-	40,000	97,90
7 Packers, Liner Hangers	-	13,161	-	20,000	33,16
58 Tanks					45,83
	-	-		45,833	45,00
	-		-	126,667	126,66
9 Production Vessels 70 Flow Lines	- - -	-	-		126,66
0 Flow Lines 1 Rod string	- - - -	-	-	126,667	126,66 66,66
70 Flow Lines 71 Rod string 72 Artificial Lift Equipment	- - - -		-	126,667 66,667 - 90,000	126,66 66,66 - 90,00
70 Flow Lines 71 Rod string 72 Artificial Lift Equipment 73 Compressor	- - - - -	-		126,667	126,66 66,66 - 90,00
0 Flow Lines 1 Rod string 2 Artificial Lift Equipment 3 Compressor 4 Installation Costs	- - - - -	- - - -		126,667 66,667 - 90,000 5,833	126,66 66,66 - 90,00 5,83
0 Flow Lines 1 Rod string 2 Artificial Lift Equipment 3 Compressor 4 Installation Costs 5 Surface Pumps	- - - - - - -			126,667 66,667 - 90,000	126,66 66,66 - 90,00 5,83
0 Flow Lines 1 Rod string 2 Artificial Lift Equipment 3 Compressor 4 Installation Costs 5 Surface Pumps 6 Downhole Pumps	allation	- - - -		126,667 66,667 90,000 5,833 	126,66 66,66 - 90,00 5,83 - - 61,66
0 Flow Lines 1 Rod string 2 Artificial Lift Equipment 3 Compressor 4 Installation Costs 5 Surface Pumps 6 Downhole Pumps 7 Measurement & Meter Inst				126,667 66,667 - 90,000 5,833	126,66 66,66 - 90,00 5,83 - - 61,66
0 Flow Lines 1 Rod string 2 Artificial Lift Equipment 3 Compressor 4 Installation Costs 5 Surface Pumps 6 Downhole Pumps 7 Measurement & Meter Inst 8 Gas Conditioning / Dehydr	ration			126,667 66,667 90,000 5,833 	126,66 66,66 90,00 5,83 - - - 116,66
0 Flow Lines 1 Rod string 2 Artificial Lift Equipment 3 Compressor 4 Installation Costs 5 Surface Pumps 6 Downhole Pumps 7 Measurement & Meter Inst 8 Gas Conditioning/Dehydr 9 Interconnecting Facility Pig	ration			126,667 66,667 90,000 5,833 	126,66 66,66 90,00 5,83 - - - 116,66
0 Flow Lines 1 Rod string 2 Artificial Lift Equipment 3 Compressor 4 Installation Costs 5 Surface Pumps 6 Downhole Pumps 7 Measurement & Meter Inst 8 Gas Conditioning/ Dehydr 9 Interconnecting Facility Pig 0 Gathering/ Bulk Lines	ration —			126,667 66,667 90,000 5,833 	126,66 66,66 90,000 5,83 61,66 116,66
0 Flow Lines 1 1 Act string 2 2 Artificial Lift Equipment 3 3 Compressor 4 4 Installation Costs 5 5 Surface Pumps 6 6 Downhole Pumps 7 7 Measurement & Meter Inst 8 6 as Conditioning / Dehydr 9 1 Interconnecting Facility Pip 0 Gathering / Bulk Lines 1 Valves, Dumps, Controllers 1 1 Valves, Dumps, Controllers 1	ration			126,667 66,667 - 90,000 5,833 - 61,667 - 116,667 - 20,000	126,66 66,66 90,00 5,83 - 61,66 - 116,66 - 20,00 108,33
0 Flow Lines 1 Rod string 2 Artificial Lift Equipment 3 Compressor 4 Installation Costs 5 Surface Pumps 6 Downhole Pumps 7 Measurement & Meter Inst 8 Gas Conditioning / Dehydr 9 Interconnecting Facility Pip 10 Gathering / Bulk Lines 1 Valves, Dumps, Controllers 2 Tank / Facility Containmen	ration			126,667 66,667 - 90,000 5,833 - 61,667 - 116,667 - 20,000 - 108,333	126,66 66,66 90,00 5,83 61,66 116,66 220,00 108,33 43,33
0 Flow Lines 1 1 Rod string 2 Rot string 1 Rot string 2 Rotficial Lift Equipment 3 Compressor 4 Installation Costs 5 Surface Pumps 6 Downhole Pumps 7 Measurement & Meter Inst 8 Gas Conditioning/Dehydr 9 Interconnecting Facility Pip 0 Gathering/ Bulk Lines 1 Valves, Dumps, Controllers 2 Tank/ Facility Containmen 3 Hare Stack 4 Electrical/ Grounding	ration			126,667 66,667 90,000 5,833 61,667 116,667 20,000 108,333 43,333	126,66 66,66 90,00 5,82
0 Flow Lines 1 Rod string 2 Artificial Lift Equipment 3 Compressor 4 Installation Costs 5 Surface Pumps 6 Downhole Pumps 7 Measurement & Meter Inst 8 Gas Conditioning / Dehydr 9 Interconnecting Facility Pip 10 Gathering / Bulk Lines 1 Valves, Dumps, Controllers 2 Tank / Facility Containmen 3 Hare Stack 4 Electrical / Grounding 5 Communications / SCADA	ration			126,667 66,667 90,000 5,833 61,667 116,667 108,333 43,333 16,667 50,0000 36,667	126,66 66,66 90,000 5,83 61,66 116,66 20,000 10,83 43,33 16,66 50,000
10 Flow Lines 11 And string 12 Artificial Lift Equipment 13 Compressor 14 Installation Costs 15 Surface Pumps 16 Downhole Pumps 17 Measurement & Meter Inst 18 Gas Conditioning, Dehydr 19 Interconnecting Facility Pig 10 Gathering / Bulk Lines 11 Valves, Dumps, Controllers 12 Tank / Facility Containmen 13 Flare Stack 14 Electrical / Grounding 15 Communications / SCADA	ation ing s t			126,667 66,667 - 90,000 5,833 - 61,667 - 116,667 - 20,000 - 108,333 43,333 16,667 50,000 36,667 853	126,66 66,66 - 90,00 5,83 - 61,66 - 20,00 - 108,33 43,33 15,66 50,00 36,665
10 Flow Lines 11 And string 12 Artificial Lift Equipment 13 Compressor 14 Installation Costs 15 Surface Pumps 16 Downhole Pumps 17 Measurement & Meter Inst 18 Gas Conditioning, Dehydr 19 Interconnecting Facility Pig 10 Gathering / Bulk Lines 11 Valves, Dumps, Controllers 12 Tank / Facility Containmen 13 Flare Stack 14 Electrical / Grounding 15 Communications / SCADA	ation ping t t TOTAL TANGIBLES >		- - - - - - - - - - - - - - - - - - -	126,667 66,667 - 90,000 5,833 - 61,667 - 116,667 - 20,000 - 108,333 43,333 16,667 50,000 36,667 883 989,187	126,66 66,66 - 90,00 5,83 - 61,66 - 110,666 - 20,000 - 108,33 43,33 43,33 16,666 50,000 36,666 88 88
0 Flow Lines 1 Rod string 2 Artificial Lift Equipment 3 Compressor 4 Installation Costs 5 Surface Pumps 6 Downhole Pumps 7 Measurement & Meter Inst 8 Gas Conditioning/Dehydr 9 Interconnecting Facility Pip 10 Gathering/Bulk Lines 1 Valves, Dumps, Controllers 2 Tank/Facility Containmen 3 Hare Stack 4 Electrical/Grounding 5 Communications/SCADA	ation ing s t			126,667 66,667 - 90,000 5,833 - 61,667 - 116,667 - 20,000 - 108,333 43,333 16,667 50,000 36,667 853	126,66 66,66 90,00 5,838 - 61,66 - 116,66 - 20,00 108,33 43,33 16,66 50,00 36,66 88 2,090,8
0 Flow Lines 1 Rod string 2 Artificial Lift Equipment 3 Compressor 4 Installation Costs 5 Surface Pumps 6 Downhole Pumps 7 Measurement & Meter Inst 8 Gas Conditioning/Dehydr 9 Interconnecting Facility Pip 10 Gathering/Bulk Lines 1 Valves, Dumps, Controllers 2 Tank/Facility Containmen 3 Hare Stack 4 Electrical/Grounding 5 Communications/SCADA 6 Instrumentation/Safety PARED BY Permian Reson Drilling Engineer: Completions Engineer:	ation ping TOTAL TANGIBLES > TOTAL COSTS > arces Operating, LLC: PS ML		- - - - - - - - - - - - - - - - - - -	126,667 66,667 - 90,000 5,833 - 61,667 - 116,667 - 20,000 - 108,333 43,333 16,667 50,000 36,667 883 989,187	126,66 66,64 90,00 5,88 - 61,66 - 116,66 108,33 108,33 143,33 16,66 50,00 36,66 88 2,090,8
0 Flow Lines 1 Row Chring 2 Artificial Lift Equipment 3 Compressor 4 Installation Costs 5 Surface Pumps 6 Downhole Pumps 7 Measurement & Meter Inst 8 Gas Conditioning / Dehydr 9 Interconnecting Facility Pi 10 Gathering / Bulk Lines 1 Valves, Dumps, Controllers 2 Tank / Facility Containmen 3 Flare Stack 4 Electrical / Grounding 5 Communications / SCADA 6 Instrumentation / Safety PARED BY Permian Resor	ation ping t TOTAL TANGIBLES > TOTAL COSTS > arces Operating, LLC:		- - - - - - - - - - - - - - - - - - -	126,667 66,667 - 90,000 5,833 - 61,667 - 116,667 - 20,000 - 108,333 43,333 16,667 50,000 36,667 883 989,187	126,66 66,66 90,00 5,88 61,66 - 116,66 - 20,00 108,33 43,53 16,66 50,00 36,66 88 2,090,8
District Formula of the Completion of the Comple	ation ping t TOTAL TANGIBLES > TOTAL COSTS > arces Operating, LLC: PS ML DC		- - - - - - - - - - - - - - - - - - -	126,667 66,667 - 90,000 5,833 - 61,667 - 116,667 - 20,000 - 108,333 43,333 16,667 50,000 36,667 883 989,187	126,66 66,66 90,00 5,88 61,66 - 116,66 - 20,00 108,33 43,53 16,66 50,00 36,66 88 2,090,8
Delow Lines I Rod string A Artificial Lift Equipment Compressor Surface Pumps Downhole Pumps Downhole Pumps Downhole Pumps Downhole Pumps Downhole Pumps Gas Conditioning/Dehydr Interconnecting Facility Pip Gathering/Bulk Lines Valves, Dumps, Controllers Tank/Facility Containmen Hare Stack Electrical/Grounding Communications/SCADA Instrumentation/Safety ARED BY Permian Reson Drilling Engineer: Completions Engineer: Production Engineer:	ation ping t TOTAL TANGIBLES > TOTAL COSTS > arces Operating, LLC: PS ML DC		- - - - - - - - - - - - - - - - - - -	126,667 66,667	126,66 66,68 90,00 5,88 116,66 20,00 108,33 15,66 81 2,090,8 10,724,1
10 Flow Lines 17 Act string 12 Artificial Lift Equipment 13 Compressor 14 Installation Costs 15 Surface Pumps 16 Downhole Pumps 16 Downhole Pumps 17 Measurement & Meter Inst 18 Gas Conditioning/Dehydr 19 Interconnecting Facility Pip 10 Gathering/Bulk Lines 11 Valves, Dumps, Controllers 12 Tank/Facility Containmen 13 Flare Stack 14 Electrical/Grounding 15 Communications/SCADA 16 Instrumentation/Safety PARED BY Permian Reson Drilling Engineer: Completions Engineer:	ation ping t TOTAL TANGIBLES > TOTAL COSTS > arces Operating, LLC: PS ML DC		- - - - - - - - - - - - - - - - - - -	126,667 66,667 - 90,000 5,833 - 61,667 - 116,667 - 20,000 - 108,333 43,333 16,667 50,000 36,667 883 989,187	126,66 66,66 90,00 5,83 61,66

NON OPERATING PARTNER APPROVAL:

Company Name:	Working Interest (%):	Tax ID:
Signed by:	Date:	
Title:	Approval: Yes	No (mark one)

DATE.		COSTS AND AUTHO	DRIZATION FOR EXPEND		-1
DATE: WELL NAME:	2.17.2023 Joker 5-8 Federal Com 125	Н		AFE NO.: FIELD:	1 Teas; Bone Spring
WELL NAME: LOCATION:	Section 5, T20S-R34E	**		MD/TVD:	20,571' / 10,286'
COUNTY/STATE:	Lea County, New Mexico			LATERAL LENGTH:	10,000'
Permian WI:		·		DRILLING DAYS:	19.6
GEOLOGIC TARGET:	SBSG			COMPLETION DAYS:	18.6
	Drill a horizontal SBSG we	ell and complete with	44 stages. AFE includes		
REMARKS:	install cost				
		DRILLING	COMPLETION	PRODUCTION	TOTAL
INTANGIBLE (COSTS	COSTS	COSTS	COSTS
1 Land / Legal / Regulatory 2 Location, Surveys & Damag	5_	54,351 265,083	16,625	37,500 2,500	\$ 91,851 284,208
4 Freight / Transportation	_	43,826	40,284	25,000	109,110
5 Rental - Surface Equipment		114,402	198,221	105,000	417,624
6 Rental - Downhole Equipm	ent	189,026	55,031	-	244,057
7 Rental - Living Quarters 10 Directional Drilling, Surve	ave _	44,244 395,255	50,131		94,375 395,255
11 Drilling		693,647			693,647
12 Drill Bits	_	92,179			92,179
13 Fuel & Power		173,853	667,183		841,036
14 Cementing & Float Equip	TII	223,875		15.000	223,8/5
15 Completion Unit, Swab, C 16 Perforating, Wireline, Slick			361,754	15,000	15,000 361,754
17 High Pressure Pump Truck			113,434		113,434
18 Completion Unit, Swab, C		-	134,791		134,791
20 Mud Circulation System		96,811	-		96,811
21 Mud Logging 22 Logging / Formation Evalu	ation _	16,130 6,690	7,673	-	16,130 14,363
22 Logging / Formation Evalu 23 Mud & Chemicals		332,951	403,207	10,000	746,158
24 Water	_	39,990	608,810	250,000	898,800
25 Stimulation	_	-	749,053	-	749,053
26 Stimulation Flowback & D		-	111,899	150,000	261,899
28 Mud / Wastewater Disposa 30 Rig Supervision / Engineer		177,689 111,522	56,269 122,769	21,667	233,959 255,958
30 Rig Supervision / Engineer 32 Drlg & Completion Overh		9,591	122,769	21,667	9,591
35 Labor	-	141,116	63,942	101,667	306,725
54 Proppant	-	-	1,155,029		1,155,029
95 Insurance	_	13,489	-		13,489
97 Contingency		-	22,472	3,833	26,305
99 Plugging & Abandonment	_	2 225 520	4.020.570		0.000.465
	TOTAL INTANGIBLES >	3,235,720	4,938,578	722,167	8,896,465
TANCIBLE	OCTC	DRILLING COSTS	COMPLETION COSTS	PRODUCTION COSTS	TOTAL COSTS
TANGIBLE CO 60 Surface Casing	5	112,477	-	-	\$ 112,477
61 Intermediate Casing	· -	316,801	-	-	316,801
62 Drilling Liner		-	-		-
63 Production Casing	_	632,196	-	-	632,196
64 Production Liner 65 Tubing	_			140,000	140,000
66 Wellhead	_	59,645		40,000	99,645
67 Packers, Liner Hangers	_	13,556		20,000	33,556
68 Tanks		-	-		-
69 Production Vessels 70 Flow Lines	_	-		45,833	45,833
71 Rod string	_			126,667	126,667
72 Artificial Lift Equipment	_	-	-	90,000	90,000
73 Compressor	_	-		5,833	5,833
74 Installation Costs		-	-		-
75 Surface Pumps	_	-		61,667	61,667
76 Downhole Pumps 77 Measurement & Meter Ins	tallation			116,667	116,667
78 Gas Conditioning / Dehyd					
79 Interconnecting Facility Pi	ping	-	-	20,000	20,000
80 Gathering / Bulk Lines		-	-		-
81 Valves, Dumps, Controller		-		108,333	108,333
82 Tank / Facility Containmen 83 Flare Stack				43,333	43,333
84 Electrical / Grounding	-	_	-	50,000	50,000
85 Communications / SCADA	_	-	-	36,667	36,667
86 Instrumentation / Safety		-	-	833	833
	TOTAL TANGIBLES >	1,134,676	0	989,167	2,123,843
	TOTAL COSTS >	4,370,396	4,938,578	1,711,334	11,020,308
EPARED BY Permian Reso	ources Operating, LLC:				
Drilling Engineer:	: PS				
Completions Engineer:					
Production Engineer:					
. roduction Engineer.					
mian Resources Operating	, LLC APPROVAL:				
Co-CEO		Co-CI	EO	VP - Oper	ations
TTD T 11-	WH		JW		CRM
VP - Land & Legal	I PC	VP - Geoscieno	SO		
	BG		SO		
N OPERATING PARTNE	R APPROVAL:				
Company Name:			Working Interest (%):	T	ax ID:
Signed by:	:		Date:		
Trid.			Appr1. F	7 Vec	No (mark and
Title:	·		Approval:	1 1 1 1 1 1	No (mark one)

		COSTS AND AUTHO	ORIZATION FOR EXPENDI		
DATE:	2.17.2023			AFE NO.:	1 T. P. C.:
WELL NAME:	Joker 5-8 Federal Com 1261	H		FIELD:	Teas; Bone Spring
LOCATION:	Section 5, T20S-R34E			MD/TVD:	20,256' / 9,961'
COUNTY/STATE:	Lea County, New Mexico			LATERAL LENGTH:	10,000'
Permian WI: GEOLOGIC TARGET:	SBSG		,	DRILLING DAYS:	19.6 18.6
GEOLOGIC TARGET:		11			
REMARKS:	Drill a horizontal SBSG we install cost	ii and complete with	44 stages. AFE includes d	rilling, completions, no	WDack and mittal AL
KEWAKKS.	IIIstaii Cost				
		DRILLING	COMPLETION	PRODUCTION	TOTAL
INTANGIBLE (COSTS	COSTS	COSTS	COSTS	COSTS
1 Land / Legal / Regulatory	5_	54,351		37,500	\$ 91,851
2 Location, Surveys & Damag 4 Freight / Transportation	ges	265,083 43,826	16,625 40,284	2,500 25,000	284,208 109,110
5 Rental - Surface Equipment	-	114,402	198,221	105,000	417,624
6 Rental - Downhole Equipm		189,026	55,031	-	244,057
7 Rental - Living Quarters	_	44,244	50,131	-	94,375
10 Directional Drilling, Surve	eys	395,255 693,647		-	395,255 693,647
11 Drilling 12 Drill Bits	_	92,179		-	92,179
13 Fuel & Power	_	173,853	667,183		841,036
14 Cementing & Float Equip		223,875	-	-	223,875
15 Completion Unit, Swab, C		-	-	15,000	15,000
16 Perforating, Wireline, Slick 17 High Pressure Pump Truck			361,754 113,434		361,754 113,434
18 Completion Unit, Swab, C			134,791		134,791
20 Mud Circulation System	_	96,811	-	-	96,811
21 Mud Logging		16,130	-	-	16,130
22 Logging / Formation Evalu 23 Mud & Chemicals	ation	6,690 332,951	7,673 403,207	10,000	14,363 746,158
24 Water	_	39,990	608,810	250,000	898,800
25 Stimulation	_	-	749,053	-	749,053
26 Stimulation Flowback & D		-	111,899	150,000	261,899
28 Mud/Wastewater Disposa		177,689	56,269		233,959
30 Rig Supervision / Enginee 32 Drlg & Completion Overh		111,522 9,591	122,769	21,667	255,958 9,591
35 Labor	_	141,116	63,942	101,667	306,725
54 Proppant	_	-	1,155,029	-	1,155,029
95 Insurance		13,489	-	-	13,489
97 Contingency		-	22,472	3,833	26,305
99 Plugging & Abandonment	_	2 225 520	4.020.550		0.000.465
	TOTAL INTANGIBLES >	3,235,720	4,938,578	722,167	8,896,465
		DRILLING	COMPLETION	PRODUCTION	TOTAL
TANGIBLE C		COSTS	COSTS	COSTS	COSTS
60 Surface Casing	\$	112,477 316,801			\$ 112,477 316,801
61 Intermediate Casing 62 Drilling Liner	_	310,001			310,001
63 Production Casing	_	632,196		-	632,196
64 Production Liner	_	-	-	-	-
65 Tubing		-		140,000	140,000
66 Wellhead	_	59,645 13,556		40,000	99,645
67 Packers, Liner Hangers 68 Tanks	_	15,556		20,000	33,556
69 Production Vessels	_			45,833	45,833
70 Flow Lines	_	-	-	126,667	126,667
71 Rod string	_	-	-	66,667	66,667
72 Artificial Lift Equipment 73 Compressor	_			90,000	90,000
74 Installation Costs	_			3,033	- 5,003
75 Surface Pumps	_	-		61,667	61,667
76 Downhole Pumps		-	-		-
77 Measurement & Meter Ins		-		116,667	116,667
78 Gas Conditioning/Dehyd 79 Interconnecting Facility Pi				20,000	20,000
80 Gathering / Bulk Lines				-	-
81 Valves, Dumps, Controller		-	-	108,333	108,333
82 Tank / Facility Containme	nt	-	-	43,333	43,333
83 Flare Stack		-	-	16,667	16,667
84 Electrical / Grounding 85 Communications / SCAD	_			50,000	50,000 36,667
86 Instrumentation / Safety	_			833	833
, ,	TOTAL TANGIBLES >	1,134,676	0	989,167	2,123,843
	TOTAL COSTS >	4,370,396	4,938,578	1,711,334	11,020,308
		,,	, , .		,,
DARED BY Dameion Door					
PARED BY Permian Reso	ources Operating, LLC:				
Drilling Engineer	: PS				
Completions Engineer					
Production Engineer					
nian Resources Operating	, LLC APPROVAL:				
Co-CEC		Co-CI	EO	VP - Opera	
VD * 10-	WH	III C	JW		CRM
VP - Land & Legal	l	VP - Geoscieno	ces		
	BG		50		
N OPERATING PARTNE	R APPROVAL:				
Company Name			Working Interest (%):	Ta	x ID:
Signed by:			Data		
Signed by:			Date:		
Title			Approval:	Voc I	No (mark one)

	ESTIMATE O		722 • Fax (432) 695-4063 THORIZATION FOR EXPENI	DITURE	
DATE:	2.17.2023			AFE NO.:	1
WELL NAME:	Joker 5-8 Federal Com 173	ВН		FIELD:	Teas; Bone Spring
	Section 5, T20S-R34E			MD/TVD:	20,721' / 10,436'
	Lea County, New Mexico			LATERAL LENGTH:	10,000'
Permian WI: GEOLOGIC TARGET:	TBSG			DRILLING DAYS: COMPLETION DAYS:	19.6 18.6
		ell and complete v	vith 44 stages. AFE include		
	install cost	en and complete v	viti 44 stages. 211 L include	s driming, completions, in	owback and mittai ME
INTANGIBLE C	OSTS	DRILLING COSTS	COMPLETION COSTS	PRODUCTION COSTS	TOTAL COSTS
T Land / Legal / Regulatory	\$	55,739	-	37,500	\$ 93,239
2 Location, Surveys & Damage 4 Freight / Transportation	es	2/1,852 44,945	17,050 41,312	2,500 25,000	291,402 111,257
5 Rental - Surface Equipment	-	117,323	203,283	105,000	425,606
6 Rental - Downhole Equipme 7 Rental - Living Quarters	ent	193,853 45,374	56,437 51,411		250,289 96,785
10 Directional Drilling, Survey	ys -	405,348	51,411		405,348
11 Drilling	-	711,359	-	-	711,359
12 Drill Bits 13 Fuel & Power	-	94,533 178,292	684,220		94,533 862,512
14 Cementing & Float Equip	_	229,592	-	-	229,592
15 Completion Unit, Swab, CT 16 Perforating, Wireline, Slick			370,992	15,000	15,000 370,992
17 High Pressure Pump Truck			116,330		116,330
18 Completion Unit, Swab, CT	TU	99,283	138,232	-	138,232
20 Mud Circulation System 21 Mud Logging	-	16,542	-	-	99,283 16,542
22 Logging / Formation Evalua	ntion	6,860	7,869		14,729
23 Mud & Chemicals 24 Water	-	341,453 41,011	413,503 624,356	10,000 300,000	764,956 965,367
25 Stimulation	-		768,180	-	768,180
26 Stimulation Flowback & Di		182,227	114,757	150,000	264,757
28 Mud / Wastewater Disposal 30 Rig Supervision / Engineer		114,369	57,706 125,904	21,667	239,933 261,941
32 Drlg & Completion Overhe		9,836	-	-	9,836
35 Labor 54 Proppant	_	144,719	65,575 1,184,522	101,667	311,961 1,184,522
95 Insurance	-	13,834	-	-	13,834
97 Contingency	-	-	23,045	3,833	26,878
99 Plugging & Abandonment	TOTAL INTANGIBLES >	3,318,344	5,064,685	772,167	9,155,196
	TOTALISTANGIBLES	DRILLING	COMPLETION	PRODUCTION	TOTAL
TANGIBLE CO	OSTS	COSTS	COSTS	COSTS	COSTS
60 Surface Casing	5_	115,349			\$ 115,349
61 Intermediate Casing 62 Drilling Liner		324,891			324,891
63 Production Casing	-	648,340			648,340
64 Production Liner		-	-	-	-
65 Tubing 66 Wellhead	-	61,169		40,000	140,000
67 Packers, Liner Hangers	-	13,902	-	20,000	33,902
68 Tanks 69 Production Vessels	-	-		45,833 126,667	45,833 126,667
70 Flow Lines	-		-	66,667	66,667
71 Rod string		-		-	-
72 Artificial Lift Equipment 73 Compressor	_			90,000 5,833	90,000 5,833
74 Installation Costs	-				-
75 Surface Pumps		-	-	61,667	61,667
76 Downhole Pumps 77 Measurement & Meter Inst	allation		-	116,667	116,667
78 Gas Conditioning / Dehydr	ration	-	-	-	-
79 Interconnecting Facility Pip 80 Gathering / Bulk Lines	ping		-	20,000	20,000
81 Valves, Dumps, Controllers	-			108,333	108,333
82 Tank / Facility Containmen 83 Flare Stack	t	-		43,333	43,333
84 Electrical / Grounding	-			50,000	50,000
85 Communications / SCADA	_	-	-	36,667	36,667
86 Instrumentation / Safety	TOTAL TANGIBLES >	1,163,650	- 0	989,167	2,152,817
	TOTAL COSTS >	4,481,994	5,064,685	1,761,334	11,308,013
EPARED BY Permian Resou	arces Operating, LLC:				
Drilling Engineer:	PS				
Completions Engineer:	ML				
Production Engineer:	DC				
mian Resources Operating,	LLC APPROVAL:				
Co-CEO		C	o-CEO	VP - Opera	ations
	WH		JW		CRM
VP - Land & Legal		VP - Geosc			
	BG		SO		
ON OPERATING PARTNER	K APPROVAL:				
Company Name:			Working Interest (%):	T	ax ID:
Signed by:			Date:		
•			_	7 v	
Title:			Approval:	Yes	No (mark one)

LOCATION: Sectic COUNTY/STATE: Lea ' Permian WI: GEOLOGIC TARGET: TBSK Drill REMARKS: insta INTANGIBLE COSTS INTANGIBLE COSTS INTANGIBLE COSTS INTANGIBLE COSTS INTANGIBLE COSTS Land/Legal/Regulatory 2 Location, Surveys & Damages 4 Freight/Transportation 5 Rental - Surface Equipment 6 Rental - Downhole Equipment 7 Rental - Living Quarters 10 Directional Drilling, Surveys 11 Drilling 12 Drill Bits 13 Fuel & Power 14 Cementing & Float Equip 15 Completion Unit, Swab, CTU 16 Perforating, Wireline, Slickline 17 High Pressure Pump Iruck 18 Completion Unit, Swab, CTU 20 Mud Circulation System 21 Mud Logging 22 Logging / Formation Evaluation 23 Mud & Chemicals 24 Water 25 Stimulation 26 Stimulation Flowback & Disp 28 Mud / Wastewater Disposal 30 Rig Supervision / Engineering 32 Drig & Completion Overhead 35 Labor 54 Proppant 55 Insurance 97 Contingency 99 Plugging & Abandonment TOTO TANGIBLE COSTS 60 Surface Casing 61 Intermediate Casing 62 Drilling Liner 63 Froduction Lasing 64 Production Liner	r 5-8 Federal Com 133 on 5, T20S-R34E County, New Mexico G a horizontal TBSG well cost		44 stages. AFE includes COMPLETION COSTS	AFE NO.: FIELD: MD/IVD: LATERAL LENGTH: DRILLING DAYS: COMPLETION DAYS: drilling, completions, fl. PRODUCTION COSTS 37,500 2,500 25,000 105,000	1 Teas; Bone Spring 21,106' / 10,821' 10,000' 19.6 18.6 owback and Initial AL TOTAL COSTS \$ 94,569 298,294 113,315 433,255 256,250 99,094 415,018 728,329 15,000 379,842 119,106 141,530 101,651 16,936 15,081 1782,966
LOCATION: Secti COUNT/STATE: Lea Permian WI: GEOLOGIC TARGET: TBSK Drill REMARKS: insta INTANGIBLE COSTS T Land / Legal / Regulatory 2 Location, Surveys & Damages 4 Freight / Transportation 5 Rental - Downhole Equipment 6 Rental - Downhole Equipment 7 Rental - Living Quarters 10 Directional Drilling, Surveys 11 Drilling 12 Drill Bits 13 Fuel & Power 14 Cementing & Hoat Equip 15 Completion Unit, Swab, CTU 16 Perforating, Wireline, Slickline 17 High Pressure Pump I ruck 18 Completion Unit, Swab, CTU 20 Mud Circulation System 21 Mud Logging 22 Logging / Formation Evaluation 23 Mud & Chemicals 24 Water 25 Stimulation 26 Stimulation Flowback & Disp 28 Mud / Wastewater Disposal 30 Rig Supervision / Engineering 32 Drig & Completion Overhead 35 Labor 54 Proppant 95 Insurance 97 Contingency 99 Plugging & Abandonment TOT	on 5, T20S-R34E County, New Mexico G a horizontal TBSG we ll cost S S S S S S S S S S S S S S S S S S	DRILLING COSTS 57,069 27,8,338 46,017 129,122 198,47/ 46,457 415,018 728,329 96,788 182,546 255,069 101,651 16,936 7,024 349,599 41,989 186,574 117,098 10,071	44 stages. AFE includes COMPLETION COSTS	MD/TVD: LATERAL LENGTH: DRILLING DAYS: COMPLETION DAYS: drilling, completions, fl. PRODUCTION COSTS 2,5000 25,000 105,000 15,000 11,0000 300,0000	21,106' / 10,821' 10,000' 19.6 18.6 owback and Initial AL TOTAL COSTS 94,569 298,294 415,018 728,299 96,788 883,088 225,069 15,000 379,842 119,106 141,530 101,651 16,936 15,081
COUNTY/STATE: Lea Permian WI: GEOLOGIC TARGET: TBSG Drill REMARKS: Drill REMARKS: INTANGIBLE COSTS 1 Land / Legal / Regulatory 2 Location, Surveys & Damages 4 Freight / Transportation 5 Rental - Surface Equipment 6 Rental - Surface Equipment 7 Rental - Downhole Equipment 8 Rental - Surface Equipment 10 Prictional Drilling, Surveys 11 Drill Bits 13 Fuel & Power 14 Cementing & Float Equip 15 Completion Unit, Swab, CTU 16 Perforating, Wireline, Slickline 17 High Pressure Fump Truck 18 Completion Unit, Swab, CTU 20 Mud Circulation System 21 Mud Logging 22 Logging / Formation Evaluation 23 Mud & Chemicals 24 Water 25 Stimulation 25 Stimulation Flowback & Disp 28 Mud / Wastewater Disposal 30 Rig Supervision / Engineering 28 Drlg & Completion Overhead 35 Labor 34 Proppant 59 Insurance 97 Contingency 99 Plugging & Abandonment TOI TANGIBLE COSTS 60 Surface Casing 61 Intermediate Casing 62 Drilling Liner 63 Production Casing 64 Production Lainer	County, New Mexico G a horizontal TBSG we ll cost	DRILLING COSTS 57,069 278,338 46,017 120,122 198,477 46,457 415,018 728,329 96,788 182,546 255,069 101,651 16,936 7,024 349,599 41,989 186,574 117,098 10,071	44 stages. AFE includes COMPLETION COSTS	LATERAL LENGTH: DRILLING DAYS: COMPLETION DAYS: drilling, completions, fl. PRODUCTION COSTS 37,500 2,500 105,000	10,000' 19.6 18.6 owback and Initial AL COSTS \$ 94,569 298,294 113,315 433,255 256,280 99,094 415,018 728,329 96,788 883,088 225,069 15,000 379,842 119,106 141,530 110,1651 16,936 15,081
Permian WI: GEOLOGIC TARGET: GEOLOGIC TARGET: INTANGIBLE COSTS ILand/Legal/Regulatory 2 Location, Surveys & Damages 4 Freight/Transportation 5 Rental - Surface Equipment 6 Rental - Downhole Equipment 6 Rental - Downhole Equipment 7 Rental - Living Quarters 10 Directional Drilling, Surveys 11 Drill Bits 13 Fuel & Power 14 Cementing & Float Equip 15 Completion Unit, Swab, CTU 16 Perforating, Wireline, Slickline 17 High Pressure Fump Truck 18 Completion Unit, Swab, CTU 20 Mud Circulation System 21 Mud Logging 22 Logging/Formation Evaluation 23 Mud Seging 24 Water 25 Stimulation 26 Stimulation Flowback & Disp 28 Mud/Wastewater Disposal 30 Rig Supervision/Engineering 28 Drlg & Completion Overhead 35 Labor 34 Proppant 35 Insurance 37 Contingency 39 Plugging & Abandonment TOI TANGIBLE COSTS 50 Surface Casing 51 Intermediate Casing 52 Drilling Liner 53 Production Lainer	a horizontal TBSG well cost	DRILLING COSTS 57,069 278,338 46,017 120,122 198,477 46,457 415,018 728,329 96,788 182,546 255,069 101,651 16,936 7,024 349,599 41,989 186,574 117,098 10,071	44 stages. AFE includes COMPLETION COSTS	DRILLING DAYS: COMPLETION DAYS: drilling, completions, fl. PRODUCTION COSTS 37,500 2,500 105,000 105,000 15,000 15,000 10,000 - 300,000	19.6 18.6 TOTAL COSTS 94,569 298,294 113,315 433,255 256,260 99,094 415,018 728,329 96,788 883,088 235,069 15,000 341,501 11,500 111,530 110,651 16,936 15,081
Permian WI: GEOLOGIC TARGET: GEOLOGIC TARGET: INTANGIBLE COSTS ILand/Legal/Regulatory 2 Location, Surveys & Damages 4 Freight/Transportation 5 Rental - Surface Equipment 6 Rental - Downhole Equipment 6 Rental - Downhole Equipment 7 Rental - Living Quarters 10 Directional Drilling, Surveys 11 Drill Bits 13 Fuel & Power 14 Cementing & Float Equip 15 Completion Unit, Swab, CTU 16 Perforating, Wireline, Slickline 17 High Pressure Fump Truck 18 Completion Unit, Swab, CTU 20 Mud Circulation System 21 Mud Logging 22 Logging/Formation Evaluation 23 Mud Seging 24 Water 25 Stimulation 26 Stimulation Flowback & Disp 28 Mud/Wastewater Disposal 30 Rig Supervision/Engineering 28 Drlg & Completion Overhead 35 Labor 34 Proppant 35 Insurance 37 Contingency 39 Plugging & Abandonment TOI TANGIBLE COSTS 50 Surface Casing 51 Intermediate Casing 52 Drilling Liner 53 Production Lainer	a horizontal TBSG well cost	DRILLING COSTS 57,069 278,338 46,017 120,122 198,477 46,457 415,018 728,329 96,788 182,546 255,069 101,651 16,936 7,024 349,599 41,989 186,574 117,098 10,071	44 stages. AFE includes COMPLETION COSTS	COMPLETION DAYS: drilling, completions, fl. PRODUCTION COSTS 37,500 2,500 105,000 15,000 10,000 300,000	18.6 owback and Initial AL TOTAL COSTS \$ 94,569 298,294 113,315 433,255 256,260 99,094 415,018 728,329 96,788 883,089 15,000 337,9842 119,106 141,530 101,651 16,936 15,981
INTANGIBLE COSTS INTANGIBLE COSTS ILland/Legal/Regulatory Location, Surveys & Damages I Freight/Transportation Remain-Surveys & Damages I Freight/Transportation Rental - Surface Equipment Rental - Downhole Equipment Rental - Directional Drilling, Surveys Ill Drilling ID Directional Drilling, Surveys Ill Drilling IS Drilling IS Drilling IS Completion Unit, Swab, CTU IS Mud Circulation System Is Mud Logging IS Mud (Wastewater Disposal IS Mud Water IS Stimulation IS Simulation Flowback & Disp Is Mud / Wastewater Disposal IS Risurance IS Completion Overhead IS Labor IS Insurance IS Contingency I Plugging & Abandonment TON TANGIBLE COSTS IN United Casing Intermediate Casing Inte	a horizontal TBSG well cost	DRILLING COSTS 57,069 278,338 46,017 120,122 198,477 46,457 415,018 728,329 96,788 182,546 255,069 101,651 16,936 7,024 349,599 41,989 186,574 117,098 10,071	44 stages. AFE includes COMPLETION COSTS	COMPLETION DAYS: drilling, completions, fl. PRODUCTION COSTS 37,500 2,500 105,000 15,000 10,000 300,000	18.6 owback and Initial AL TOTAL COSTS \$ 94,569 298,294 113,315 433,255 256,260 99,094 415,018 728,329 96,788 883,089 15,000 337,9842 119,106 141,530 101,651 16,936 15,981
INTANGIBLE COSTS ILand/Legal/Regulatory Location, Surveys & Damages I Freight/Transportation Rental - Surface Equipment Rental - Living Quarters Or Directional Drilling, Surveys I Drilling I Mud Logging I Mud Logging I Mud Wastewater Disposal I Mud & Chemicals I Water I Drilling I Intermediate Casing I Intermediate Casing I Drilling Liner I Drilling I Drilling I Liner I Drilling I	a horizontal TBSG well cost	DRILLING COSTS 57,069 278,338 46,017 120,122 198,477 46,457 415,018 728,329 96,788 182,546 255,069 101,651 16,936 7,024 349,599 41,989 186,574 117,098 10,071	44 stages. AFE includes COMPLETION COSTS	drilling, completions, fl. PRODUCTION COSTS 37,500 2,500 25,000 105,000	TOTAL COSTS \$ 94,569 298,294 113,315 433,255 256,280 99,094 415,018 728,529 96,788 883,088 235,069 15,000 337,842 119,106 141,530 101,651 16,936 15,081
INTANGIBLE COSTS ILAND/Legal/Regulatory 2 Location, Surveys & Damages 4 Freight/Transportation 5 Rental - Surface Equipment 6 Rental - Downhole Equipment 7 Rental - Living Quarters 10 Directional Drilling, Surveys 11 Drilling 12 Drill Bits 13 Fuel & Power 14 Cementing & Float Equip 15 Completion Unit, Swab, CTU 16 Perforating, Wireline, Slickline 17 High Pressure Pump Truck 18 Completion Unit, Swab, CTU 20 Mud Circulation System 21 Mud Logging 22 Logging / Formation Evaluation 23 Mud & Chemicals 24 Water 25 Stimulation 25 Stimulation 26 Stimulation Flowback & Disp 28 Mud / Wastewater Disposal 30 Rig Supervision/Engineering 32 Drig & Completion Overhead 35 Labor 54 Proppant 55 Insurance 97 Contingency 99 Plugging & Abandonment TOT TANGIBLE COSTS 50 Surface Casing 51 Intermediate Casing 52 Drilling Liner 53 Production Lasing 54 Production Lasing 54 Production Lasing 55 Production Lasing 56 Production Lasing	S	DRILLING COSTS 57,069 278,338 46,017 120,122 198,477 46,457 415,018 728,329 96,788 182,546 255,069 101,651 16,936 7,024 349,599 41,989 186,574 117,098 10,071	COMPLETION COSTS 17/456 42/298 208,133 57/83 52,637	PRODUCTION COSTS 37,500 2,500 25,000 105,000 15,000 10,000 300,000	TOTAL COSTS \$ 94,569 298,294 113,315 433,255 256,260 99,094 415,018 728,329 96,788 883,088 225,009 15,000 379,842 119,106 141,530 101,651 16,936 15,081
INTANGIBLE COSTS I Land / Legal / Regulatory 2 Location, Surveys & Damages 4 Freight / Transportation 5 Rental - Surface Equipment 6 Rental - Downhole Equipment 7 Rental - Living Quarters 10 Directional Drilling, Surveys 11 Drilling 12 Drill Bits 13 Fuel & Power 14 Cementing & Float Equip 15 Completion Unit, Swab, CTU 16 Perforating, Wireline, Slickline 17 High Pressure Pump Truck 18 Completion Unit, Swab, CTU 20 Mud Circulation System 22 Mud Circulation System 22 Mud Logging 22 Logging / Formation Evaluation 23 Mud & Chemicals 24 Water 25 Stimulation 26 Stimulation Flowback & Disp 28 Mud / Wastewater Disposal 30 Rig Supervision / Engineering 28 Drig & Completion Overhead 35 Labor 34 Proppant 35 Insurance 37 Contingency 39 Plugging & Abandonment TOI TANGIBLE COSTS 50 Surface Casing 51 Intermediate Casing 52 Drilling Liner 53 Production Lainer	-	COSTS 57,069 278,338 46,017 120,122 198,477 46,457 415,018 728,329 96,788 182,546 255,069 101,651 16,936 7,024 349,599 41,989	COSTS 17,456 42,298 208,133 57,783 52,637	COSTS 37,500 2,500 25,000 105,000 15,000 10,000 300,000	COSTS 94,569 298,294 113,315 433,255 256,260 99,094 415,018 728,329 96,788 883,088 250,069 15,000 379,842 119,106 141,530 101,651 16,936 15,081
I Land / Legal / Regulatory 2 Location, Surveys & Damages 4 Freight / Transportation 5 Rental - Surface Equipment 6 Rental - Downhole Equipment 7 Rental - Living Quarters 10 Directional Drilling, Surveys 11 Drilling 12 Drill Bits 13 Fuel & Power 14 Cementing & Float Equip 15 Completion Unit, Swab, CTU 16 Perforating, Wireline, Slickline 17 High Pressure Pump I ruck 18 Completion Unit, Swab, CTU 20 Mud Circulation System 21 Mud Logging 22 Logging / Formation Evaluation 23 Mud & Chemicals 24 Water 25 Stimulation 25 Stimulation 26 Stimulation Flowback & Disp 28 Mud / Wastewater Disposal 30 Rig Supervision / Engineering 30 Lig & Completion Overhead 35 Labor 45 Proppant 56 Insurance 97 Contingency 99 Plugging & Abandonment TOI TANGIBLE COSTS 60 Surface Casing 61 Intermediate Casing 62 Drilling Liner 63 Froduction Casing 64 Production Liner	S	COSTS 57,069 278,338 46,017 120,122 198,477 46,457 415,018 728,329 96,788 182,546 255,069 101,651 16,936 7,024 349,599 41,989	COSTS 17,456 42,298 208,133 57,783 52,637	COSTS 37,500 2,500 25,000 105,000 15,000 10,000 300,000	COSTS 94,569 298,294 113,315 433,255 256,260 99,094 415,018 728,329 96,788 883,088 250,069 15,000 379,842 119,106 141,530 101,651 16,936 15,081
I Land / Legal / Regulatory 2 Location, Surveys & Damages 4 Freight / Transportation 5 Rental - Surface Equipment 6 Rental - Downhole Equipment 7 Rental - Living Quarters 10 Directional Drilling, Surveys 11 Drilling 12 Drill Bits 13 Fuel & Power 14 Cementing & Float Equip 15 Completion Unit, Swab, CTU 16 Perforating, Wireline, Slickline 17 High Pressure Pump I ruck 18 Completion Unit, Swab, CTU 20 Mud Circulation System 21 Mud Logging 22 Logging / Formation Evaluation 23 Mud & Chemicals 24 Water 25 Stimulation 25 Stimulation 26 Stimulation Flowback & Disp 28 Mud / Wastewater Disposal 30 Rig Supervision / Engineering 30 Lig & Completion Overhead 35 Labor 45 Proppant 56 Insurance 97 Contingency 99 Plugging & Abandonment TOI TANGIBLE COSTS 60 Surface Casing 61 Intermediate Casing 62 Drilling Liner 63 Froduction Casing 64 Production Liner	S	COSTS 57,069 278,338 46,017 120,122 198,477 46,457 415,018 728,329 96,788 182,546 255,069 101,651 16,936 7,024 349,599 41,989	COSTS 17,456 42,298 208,133 57,783 52,637	COSTS 37,500 2,500 25,000 105,000 15,000 10,000 300,000	COSTS 94,569 298,294 113,315 433,255 256,260 99,094 415,018 728,329 96,788 883,088 250,069 15,000 379,842 119,106 141,530 101,651 16,936 15,081
I Land / Legal / Regulatory 2 Location, Surveys & Damages 4 Freight / Transportation 5 Rental - Surface Equipment 6 Rental - Downhole Equipment 7 Rental - Living Quarters 10 Directional Drilling, Surveys 11 Drilling 12 Drill Bits 13 Fuel & Power 14 Cementing & Float Equip 15 Completion Unit, Swab, CTU 16 Perforating, Wireline, Slickline 17 High Pressure Pump I ruck 18 Completion Unit, Swab, CTU 20 Mud Circulation System 21 Mud Logging 22 Logging / Formation Evaluation 23 Mud & Chemicals 24 Water 25 Stimulation 25 Stimulation 26 Stimulation Flowback & Disp 28 Mud / Wastewater Disposal 30 Rig Supervision / Engineering 30 Lig & Completion Overhead 35 Labor 45 Proppant 56 Insurance 97 Contingency 99 Plugging & Abandonment TOI TANGIBLE COSTS 60 Surface Casing 61 Intermediate Casing 62 Drilling Liner 63 Froduction Casing 64 Production Liner	S	278,338 46,017 120,122 198,47/ 46,457 415,018 728,329 96,788 182,546 235,069 - - 101,651 16,936 7,024 349,599 41,989 - 185,574 117,098 100,071	42,298 208,133 57,783 52,637	2,500 25,000 105,000	298,294 113,315 433,255 256,260 99,094 415,018 728,329 96,788 883,088 235,069 15,000 3379,842 119,106 141,530 101,651 16,936 15,081
4 Freight/Transportation 5 Rental - Surface Equipment 6 Rental - Living Quarters 10 Directional Drilling, Surveys 11 Drilling 12 Drill Bits 13 Fuel & Power 14 Cementing & Float Equip 15 Completion Unit, Swab, CTU 16 Perforating, Wireline, Slickline 17 High Pressure Pump I ruck 18 Completion Unit, Swab, CTU 20 Mud Circulation System 21 Mud Logging 22 Logging/Formation Evaluation 23 Mud & Chemicals 24 Water 25 Stimulation Flowback & Disp 28 Mud/Wastewater Disposal 30 Rig Supervision/Engineering 32 Drig & Completion Overhead 35 Labor 34 Proppant 59 Insurance 97 Contingency 99 Plugging & Abandonment TOT TANGIBLE COSTS 60 Surface Casing 61 Intermediate Casing 62 Drilling Liner 63 Production Lasing 64 Production Lainer	TAL INTANGIBLES >	46,017 120,122 198,477 46,457 415,018 728,329 96,788 182,546 255,069 	42,298 208,133 57,783 52,637	25,000 105,000 	113,315 433,255 256,260 99,094 415,018 728,329 96,788 883,088 225,069 15,000 379,842 119,106 141,530 101,651 16,936 15,081
5 Rental - Surface Equipment 6 Rental - Downhole Equipment 7 Rental - Living Quarters 10 Directional Drilling, Surveys 11 Drilling 12 Drill Bits 13 Fuel & Power 14 Cementing & Float Equip 15 Completion Unit, Swab, CTU 16 Perforating, Wireline, Slickline 17 High Pressure Pump I ruck 18 Completion Unit, Swab, CTU 20 Mud Circulation System 21 Mud Logging 22 Logging/ Formation Evaluation 23 Mud & Chemicals 24 Water 25 Stimulation 25 Stimulation 26 Stimulation Flowback & Disp 28 Mud / Wastewater Disposal 30 Rig Supervision / Engineering 29 Drig & Completion Overhead 35 Labor 54 Proppant 55 Insurance 97 Contingency 99 Plugging & Abandonment TOI TANGIBLE COSTS 60 Surface Casing 61 Intermediate Casing 62 Drilling Liner 63 Froduction Casing 64 Production Liner	"AL INTANGIBLES >	120,122 198,477 46,457 415,018 728,329 96,788 182,546 235,069 - - - - - - - - - - - - -	208,133 57,783 52,637 - - - - - - - - - - - - -	105,000 	433,255 256,260 99,094 415,018 728,329 96,788 883,088 225,069 15,000 379,842 119,106 141,530 101,651 16,936 15,081
6 Rental - Downhole Equipment 7 Rental - Living Quarters 10 Directional Drilling, Surveys 11 Drilling 12 Drill Bits 13 Fuel & Power 14 Cementing & Float Equip 15 Completion Unit, Swab, CTU 16 Perforating, Wireline, Slickline 17 High Pressure Pump Truck 18 Completion Unit, Swab, CTU 20 Mud Circulation System 21 Mud Logging 22 Logging / Formation Evaluation 23 Mud & Chemicals 24 Water 25 Stimulation 26 Stimulation Flowback & Disp 28 Mud / Wastewater Disposal 30 Rig Supervision / Engineering 32 Drig & Completion Overhead 35 Labor 54 Proppant 59 Insurance 97 Contingency 99 Plugging & Abandonment TOT TANGIBLE COSTS 60 Surface Casing 61 Intermediate Casing 62 Drilling Liner 63 Production Casing 64 Production Liner	TAL INTANGIBLES >	198,4// 46,457 415,018 728,329 96,788 182,546 235,069	57,/83 52,637 - - - - - - - - - - - - -	15,000 	256,260 99,094 415,018 728,329 96,788 883,088 235,069 15,000 379,842 119,106 141,530 101,651 16,936 15,081
7 Rental - Living Quarters 10 Directional Drilling, Surveys 11 Drilling 12 Drill Bits 13 Fuel & Power 14 Cementing & Float Equip 15 Completion Unit, Swab, CTU 16 Perforating, Wireline, Slickline 17 High Pressure Pump Truck 18 Completion Unit, Swab, CTU 20 Mud Circulation System 21 Mud Logging 22 Logging / Formation Evaluation 23 Mud & Chemicals 24 Water 25 Stimulation 26 Stimulation Flowback & Disp 28 Mud / Wastewater Disposal 30 Rig Supervision / Engineering 32 Drlg & Completion Overhead 35 Labor 54 Proppant 55 Insurance 97 Contingency 99 Plugging & Abandonment TOI TANGIBLE COSTS 500 Surface Casing 61 Intermediate Casing 62 Drilling Liner 63 Production Losing 64 Production Losing 65 Production Liner	TAL INTANGIBLES >	46,457 415,018 728,329 96,788 182,546 255,069 	52,637	15,000 	99,094 415,018 728,329 96,788 883,088 225,069 15,000 379,842 119,106 141,530 101,651 16,936 15,081
10 Directional Drilling, Surveys 11 Drilling 12 Drill Bits 13 Fuel & Power 14 Cementing & Float Equip 15 Completion Unit, Swab, CTU 16 Perforating, Wireline, Slickline 17 High Pressure Pump Truck 18 Completion Unit, Swab, CTU 20 Mud Circulation System 21 Mud Logging 22 Logging / Formation Evaluation 23 Mud & Chemicals 24 Water 25 Stimulation 25 Stimulation Flowback & Disp 28 Mud / Wastewater Disposal 30 Rig Supervision / Engineering 25 Drig & Completion Overhead 25 Labor 25 Ormpletion Overhead 25 Labor 25 Drig & Completion Overhead 25 Insurance 27 Contingency 29 Plugging & Abandonment TOI TANGIBLE COSTS 26 Intermediate Casing 26 Production Casing 26 Production Liner	TAL INTANGIBLES >	415,018 728,329 96,788 182,546 235,069 101,651 16,936 7,024 349,799 41,989 186,574 117,098 10,071	7/00,542 3/9,842 119,106 141,530 	15,000 	415,018 728,329 96,788 883,088 235,069 15,000 379,842 119,106 141,530 101,651 16,936 15,081
11 Drilling 11 Drilling 12 Drill Bits 13 Fuel & Power 14 Cementing & Float Equip 15 Completion Unit, Swab, CTU 16 Perforating, Wireline, Slickline 17 High Pressure Pump I ruck 18 Completion Unit, Swab, CTU 20 Mud Circulation System 21 Mud Logging 22 Logging / Formation Evaluation 23 Mud & Chemicals 24 Water 25 Stimulation 26 Stimulation Flowback & Disp 28 Mud / Wastewater Disposal 30 Rig Supervision / Engineering 32 Drig & Completion Overhead 35 Labor 34 Proppant 35 Insurance 97 Contingency 99 Plugging & Abandonment TOT TANGIBLE COSTS 60 Surface Casing 61 Intermediate Casing 62 Drilling Liner 63 Troduction Casing 64 Production Liner	TAL INTANGIBLES >	728,329 96,788 182,546 235,069 	700,542 - 379,842 119,106 141,530 - 8,057 425,367 639,251 786,506 117,494 59,083	15,000 	728,329 96,788 883,088 235,069 15,000 379,842 119,106 141,530 101,651 16,936 15,081
13 Fuel & Power 14 Fuel & Power 15 Completion Unit, Swab, CTU 16 Perforating, Wireline, Slickline 17 High Pressure Pump Truck 18 Completion Unit, Swab, CTU 20 Mud Circulation System 21 Mud Logging 22 Logging / Formation Evaluation 23 Mud & Chemicals 24 Water 25 Stimulation 25 Stimulation Flowback & Disp 28 Mud / Wastewater Disposal 30 Rig Supervision / Engineering 25 Drlg & Completion Overhead 35 Labor 36 Progpant 37 Contingency 39 Plugging & Abandonment TOI TANGIBLE COSTS 50 Surface Casing 51 Intermediate Casing 52 Drilling Liner 53 Production Casing 54 Production Losing 54 Production Losing 55 Production Losing 56 Production Liner	TAL INTANGIBLES >	182,546 235,069 	700,542 - 379,842 119,106 141,530 - 8,057 423,367 639,251 786,506 117,494 59,083	15,000 	883,088 235,069 15,000 379,842 119,106 141,530 101,651 16,936 15,081
14 Cementing & Float Equip 15 Completion Unit, Swab, CTU 16 Perforating, Wireline, Slickline 17 High Pressure Fump Irruck 18 Completion Unit, Swab, CTU 20 Mud Circulation System 21 Mud Logging 22 Logging / Formation Evaluation 23 Mud & Chemicals 24 Water 25 Stimulation 26 Stimulation 26 Stimulation Flowback & Disp 28 Mud / Wastewater Disposal 30 Rig Supervision / Engineering 32 Drig & Completion Overhead 35 Labor 45 Proppant 95 Insurance 97 Contingency 99 Plugging & Abandonment TOT TANGIBLE COSTS 60 Surface Casing 61 Intermediate Casing 62 Drilling Liner 63 Production Casing 64 Production Liner	TAL INTANGIBLES	235,069	3/9,842 119,106 141,530 - - - - - - - - - - - - - - - - - - -	15,000 	235,069 15,000 379,842 119,106 141,530 101,651 16,936 15,881 782,966
15 Completion Unit, Swab, CTU 16 Perforating, Wireline, Slickline 17 High Pressure Pump I ruck 18 Completion Unit, Swab, CTU 20 Mud Circulation System 21 Mud Logging 22 Logging / Formation Evaluation 23 Mud & Chemicals 24 Water 25 Stimulation 25 Stimulation Flowback & Disp 28 Mud / Wastewater Disposal 30 Rig Supervision / Engineering 25 Orlig & Completion Overhead 35 Labor 54 Proppant 25 Insurance 27 Contingency 29 Plugging & Abandonment TOI TANGIBLE COSTS 50 Surface Casing 51 Intermediate Casing 52 Drilling Liner 53 Production Casing 54 Production Lasing 54 Production Liner	TAL INTANGIBLES >	101,651 16,956 7,024 349,599 41,989 - - - 186,574 117,098 10,071	379,842 119,106 141,530 - - - 8,057 425,367 639,251 786,506 117,494 59,083	- - - - 10,000 300,000	15,000 379,842 119,106 141,530 101,651 16,936 15,081 782,966
16 Perforating, Wireline, Slickline 17 High Pressure Pump Truck 18 Completion Unit, Swab, CTU 20 Mud Circulation System 21 Mud Logging 22 Logging / Formation Evaluation 23 Mud & Chemicals 24 Water 25 Stimulation 26 Stimulation Flowback & Disp 28 Mud / Wastewater Disposal 30 Rig Supervision / Engineering 32 Drig & Completion Overhead 35 Labor 54 Proppant 59 Insurance 97 Contingency 99 Plugging & Abandonment TOT TANGIBLE COSTS 60 Surface Casing 61 Intermediate Casing 62 Drilling Liner 63 Production Casing 64 Production Liner	TAL INTANGIBLES >	101,651 16,936 7,024 349,599 41,989 	379,842 119,106 141,530 - - - 8,057 425,367 639,251 786,506 117,494 59,083	- - - - 10,000 300,000	379,842 119,106 141,530 101,651 16,936 15,081 782,966
17 High Pressure Pump Truck 18 Completion Unit, Swab, CTU 20 Mud Circulation System 21 Mud Logging 22 Logging / Formation Evaluation 23 Mud & Chemicals 24 Water 25 Stimulation 26 Stimulation 26 Stimulation Flowback & Disp 28 Mud / Wastewater Disposal 30 Rig Supervision / Engineering 32 Drig & Completion Overhead 35 Labor 44 Proppant 25 Insurance 27 Contingency 39 Plugging & Abandonment TOT TANGIBLE COSTS 50 Surface Casing 51 Intermediate Casing 52 Drilling Liner 53 Production Casing 54 Production Liner	TAL INTANGIBLES >	101,651 16,936 7,024 349,599 41,989 	119,106 141,530 - - 8,057 425,367 639,251 786,506 117,494 59,083	10,000	119,106 141,530 101,651 16,936 15,081 /82,966
18 Completion Unit, Swab, CTU 20 Mud Circulation System 21 Mud Logging 22 Logging / Formation Evaluation 23 Mud & Chemicals 24 Water 25 Stimulation 26 Stimulation Flowback & Disp 28 Mud / Wastewater Disposal 30 Rig Supervision / Engineering 28 Drlg & Completion Overhead 35 Labor 49 Poppant 51 Insurance 37 Contingency 39 Plugging & Abandonment TOI TANGIBLE COSTS 50 Surface Casing 51 Intermediate Casing 52 Drilling Liner 53 Production Losing 54 Production Liner	TAL INTANGIBLES >	101,651 16,936 7,024 349,599 41,989 - - 186,574 117,098	141,530 	- - 10,000 300,000	141,530 101,651 16,936 15,081 782,966
20 Mud Circulation System 21 Mud Logging 22 Logging / Formation Evaluation 23 Mud & Chemicals 24 Water 25 Stimulation 26 Stimulation Flowback & Disp 28 Mud / Wastewater Disposal 30 Rig Supervision / Engineering 32 Drlg & Completion Overhead 35 Labor 34 Proppant 35 Insurance 37 Contingency 39 Plugging & Abandonment TOT TANGIBLE COSTS 50 Surface Casing 51 Intermediate Casing 52 Drilling Liner 53 Production Casing 54 Production Liner	TAL INTANGIBLES >	16,936 7,024 349,599 41,989 186,574 117,098 10,071	8,057 423,367 639,251 786,506 117,494 59,083	- 10,000 300,000	101,651 16,936 15,081 782,966
22 Logging / Formation Evaluation 22 Logging / Formation Evaluation 24 Water 25 Stimulation 26 Stimulation Flowback & Disp 28 Mud / Wastewater Disposal 30 Rig Supervision / Engineering 32 Drig & Completion Overhead 35 Labor 34 Proppant 59 Insurance 97 Contingency 99 Plugging & Abandonment TOI TANGIBLE COSTS 60 Surface Casing 61 Intermediate Casing 62 Drilling Liner 63 Production Casing 64 Production Liner	TAL INTANGIBLES >	7,024 349,599 41,989 - - 186,574 117,098 10,071	8,057 423,367 639,251 786,506 117,494 59,083	10,000 300,000	15,081 782,966
23 Mud & Chemicals 24 Water 25 Stimulation 26 Stimulation Flowback & Disp 28 Mud / Wastewater Disposal 30 Rig Supervision / Engineering 32 Drlg & Completion Overhead 35 Labor 54 Proppant 95 Insurance 97 Contingency 99 Plugging & Abandonment TOT TANGIBLE COSTS 60 Surface Casing 61 Intermediate Casing 62 Drilling Liner 63 Production Casing 64 Production Liner	TAL INTANGIBLES >	349,599 41,989 - - - 186,574 117,098 10,071	423,367 639,251 786,506 117,494 59,083	10,000 300,000 -	782,966
24 Water 25 Stimulation 26 Stimulation Flowback & Disp 28 Mud / Wastewater Disposal 30 Rig Supervision / Engineering 32 Drlg & Completion Overhead 35 Labor 54 Proppant 95 Insurance 97 Contingency 99 Plugging & Abandonment TOI TANGIBLE COSTS 60 Surface Casing 61 Intermediate Casing 62 Drilling Liner 63 Production Casing 64 Production Liner	TAL INTANGIBLES >	41,989 - - - 186,574 117,098 10,071	639,251 786,506 117,494 59,083	300,000	
25 Stimulation 26 Stimulation Flowback & Disp 28 Mud / Wastewater Disposal 30 Rig Supervision / Engineering 32 Drilg & Completion Overhead 35 Labor 34 Proppant 35 Insurance 37 Contingency 39 Plugging & Abandonment TOT TANGIBLE COSTS 50 Surface Casing 51 Intermediate Casing 52 Drilling Liner 53 Production Casing 54 Production Liner	TAL INTANGIBLES >	186,574 117,098 10,071	786,506 117,494 59,083		981,240
26 Stimulation Flowback & Disp 28 Mud / Wastewater Disposal 30 Rig Supervision / Engineering 32 Drlg & Completion Overhead 35 Labor 45 Propant 95 Insurance 97 Contingency 99 Plugging & Abandonment TOT TANGIBLE COSTS 60 Surface Casing 61 Intermediate Casing 62 Drilling Liner 63 Production Casing 64 Production Liner	TAL INTANGIBLES >	117,098	117,494 59,083	150,000	786,506
28 Mud / Wastewater Disposal 30 Rig Supervision / Engineering 32 Drlg & Completion Overhead 35 Labor 54 Proppant 95 Insurance 97 Contingency 99 Plugging & Abandonment TOI TANGIBLE COSTS 50 Surface Casing 61 Intermediate Casing 62 Drilling Liner 63 Production Casing 64 Production Liner	TAL INTANGIBLES >	117,098	59,083	,	267,494
30 Rig Supervision / Engineering 32 Drig & Completion Overhead 35 Labor 44 Proppant 54 Proppant 97 Contingency 99 Plugging & Abandonment TOT TANGIBLE COSTS 60 Surface Casing 61 Intermediate Casing 62 Drilling Liner 64 Production Lainer 65 Production Liner	TAL INTANGIBLES >	117,098		-	245,657
32 Drlg & Completion Overhead 35 1 Abor 35 1 Proppant 95 Insurance 97 Contingency 99 Plugging & Abandonment TOT TANGIBLE COSTS 60 Surface Casing 61 Intermediate Casing 62 Drilling Liner 63 Production Casing 64 Production Liner	TAL INTANGIBLES >			21,667	267,673
54 Proppant 95 Insurance 97 Contingency 99 Plugging & Abandonment TOI TANGIBLE COSTS 50 Surface Casing 51 Intermediate Casing 52 Drilling Liner 53 Production Casing 54 Production Liner		148,172		-	10,071
95 Insurance 97 Contingency 99 Plugging & Abandonment TOT TANGIBLE COSTS 60 Surface Casing 61 Intermediate Casing 62 Drilling Liner 63 Production Casing 64 Production Liner		-	67,140	101,667	316,978
97 Contingency 99 Plugging & Abandonment TOT TANGIBLE COSTS 60 Surface Casing 61 Intermediate Casing 62 Drilling Liner 63 Production Casing 64 Production Liner	TAL INTANGIBLES >	14,164	1,212,780		1,212,780
99 Plugging & Abandonment TOI TANGIBLE COSTS 60 Surface Casing 61 Intermediate Casing 62 Drilling Liner 63 Production Casing 64 Production Liner		-	23,595	3,833	27,428
TOTO TANGIBLE COSTS 60 Surface Casing 61 Intermediate Casing 62 Drilling Liner 63 Production Casing 64 Production Liner	AL INTANGIBLES >		-	-	
TANGIBLE COSTS 50 Surface Casing 61 Intermediate Casing 62 Drilling Liner 63 Production Casing 64 Production Liner		3,397,506	5,185,507	772,167	9,355,180
60 Surface Casing 61 Intermediate Casing 62 Drilling Liner 63 Production Casing 64 Production Liner					
60 Surface Casing 61 Intermediate Casing 62 Drilling Liner 63 Production Casing 64 Production Liner		DRILLING COSTS	COMPLETION COSTS	PRODUCTION COSTS	TOTAL COSTS
61 Intermediate Casing 62 Drilling Liner 63 Production Casing 64 Production Liner			C0313	C0313	
62 Drilling Liner 63 Production Casing 64 Production Liner	³ <u> </u>	118,101 332,642			\$ 118,101 332,642
63 Production Casing 64 Production Liner	_	- 332,042			332,042
	_	663,806		-	663,806
	_	-	-	-	-
65 Tubing		-	-	140,000	140,000
66 Wellhead	_	62,628		40,000	102,628
67 Packers, Liner Hangers 68 Tanks	_	14,234		20,000 45,833	34,234 45,833
69 Production Vessels	_			126,667	126,667
70 Flow Lines	_			66,667	66,667
71 Rod string	_	-	-	-	-
72 Artificial Lift Equipment	_	-	-	90,000	90,000
73 Compressor	_	-	-	5,833	5,833
74 Installation Costs 75 Surface Pumps	_			61.667	61,667
76 Downhole Pumps	_			61,667	01,007
77 Measurement & Meter Installatio	on —	-		116,667	116,667
78 Gas Conditioning / Dehydration				-	-
79 Interconnecting Facility Piping	_	-	-	20,000	20,000
80 Gathering / Bulk Lines		-	-	-	-
81 Valves, Dumps, Controllers	_	_ _		108,333	108,333
82 Tank / Facility Containment 83 Flare Stack	_	-		43,333 16,667	43,333 16,667
84 Electrical / Grounding	_			50,000	50,000
85 Communications / SCADA	_	-	-	36,667	36,667
36 Instrumentation / Safety	_			833	833
T	OTAL TANGIBLES >	1,191,410	0	989,167	2,180,57
	TOTAL COSTS >	4,588,916	5,185,507	1,761,334	11,535,75
DARED BY B	0				
PARED BY Permian Resources	Operating, LLC:				
Drilling Engineer:	PS				
Completions Engineer:	ML				
Production Engineer:					
i rouuciion Engineer:	DC				
vian Passaures One of the TTC	ADDDOMAT				
ian Resources Operating, LLC	APPKUVAL:				
Co-CEO		Co-CE	0	VP - Opera	ations
		CO-CE		vi - Opera	CRM
	WH	VP - Geoscienc			
VP = Land & Legal		v. Geosciette	SO		
VP - Land & Legal					
VP - Land & Legal					
VP - Land & Legal					
VP - Land & Legal					
	BG				
	BG				
	BG		Working Interest (%):	Ti	ax ID:
N OPERATING PARTNER AP	BG PROVAL:		Working Interest (%):		ax ID:

300 N. Marienfeld St., Ste. 1000 Midland, TX 79701 Phone (432) 695-4222 • Fax (432) 695-4063

ESTIMATE OF COSTS AND AUTHORIZATION FOR EXPENDITURE

DATE:	2.17.2023			AFE NO.:	1
WELL NAME:	Joker 5-8 Federal Com 1	14H		FIELD:	Teas; Bone Spring
LOCATION:	Section 5, T20S-R34E			MD/TVD:	19,901' / 9,616'
COUNTY/STATE:	Lea County, New Mexic	20		LATERAL LENGTH:	10,000'
Permian WI:	zeu county/11en meac			DRILLING DAYS:	19.6
	FRCC				
GEOLOGIC TARGET:	FBSG			COMPLETION DAYS:	18.6
		well and complete with	n 44 stages. AFE includes	drilling, completions, flo	wback and Initial AL
REMARKS:	install cost				
		DRIVING.	COLUMN ETTON	PRODUCTION	TOT 17
		DRILLING COSTS	COMPLETION COSTS	COSTS	TOTAL COSTS
INTANGIBLI			C0313		
1 Land / Legal / Regulatory				37,500	\$ 90,268
2 Location, Surveys & Dam	ages	257,363	16,141	2,500	2/6,003
4 Freight / Transportation	t	42,549	39,110 192,448	25,000 105,000	106,660 408,518
5 Rental - Surface Equipme 6 Rental - Downhole Equip		111,070		105,000	
7 Rental - Living Quarters	ment	183,520 42,956	53,429 48,671		236,949 91,627
10 Directional Drilling, Sur	Trave	383,743	40,071		383,743
11 Drilling	veys	673,443			673,443
12 Drill Bits		89,495			89,495
13 Fuel & Power		168,789	647,751		816,540
14 Cementing & Float Equi	p	217,354			217,354
15 Completion Unit, Swab,				15,000	15,000
16 Perforating, Wireline, Sl			351,218		351,218
17 High Pressure Pump Tru		-	110,130		110,130
18 Completion Unit, Swab,	CTU	-	130,865		130,865
20 Mud Circulation System		93,991	-	-	93,991
21 Mud Logging		15,660	-	-	15,660
22 Logging / Formation Eva	luation	6,495	7,450		13,944
23 Mud & Chemicals		323,254	391,463	10,000	724,717
24 Water		38,825	591,078	225,000	854,903
25 Stimulation		-	727,236	-	727,236
26 Stimulation Flowback &		-	108,640	150,000	258,640
28 Mud/Wastewater Dispo		172,514	54,630	-	227,144
30 Rig Supervision / Engine		108,273	119,194	21,667	249,134
32 Drlg & Completion Over	rhead	9,312	-		9,312
35 Labor		137,006	62,080	101,667	300,753
54 Proppant			1,121,387	-	1,121,387
95 Insurance		13,096	21.017	2.022	13,096
97 Contingency 99 Plugging & Abandonme			21,817	3,833	25,650
99 Flugging & Abandonine					
	TOTAL INTANGIBLES >	3,141,476	4,794,736	697,167	8,633,379
		DRILLING	COMPLETION	PRODUCTION	TOTAL
TANGIBLE	COSTS	COSTS	COSTS	COSTS	COSTS
60 Surface Casing	5	109,201			\$ 109,201
61 Intermediate Casing		307,574			307,574
62 Drilling Liner					
63 Production Casing		613,783			613,783
64 Production Liner					
65 Tubing				140,000	140,000
66 Wellhead		57,908		40,000	97,908
67 Packers, Liner Hangers		13,161		20,000	33,161
68 Tanks		-	-	45,833	45,833
69 Production Vessels		-	-	126,667	126,667
70 Flow Lines		-	-	66,667	66,667
71 Rod string				-	-
72 Artificial Lift Equipmen	t	-	-	90,000	90,000
73 Compressor		-	-	5,833	5,833
74 Installation Costs		-	-	-	-
75 Surface Pumps		-	-	61,667	61,667
76 Downhole Pumps		-	-	-	-
77 Measurement & Meter II	nstallation	-	-	116,667	116,667
78 Gas Conditioning / Dehy		-	-	-	-
79 Interconnecting Facility	Piping	-	-	20,000	20,000
80 Gathering / Bulk Lines				-	
81 Valves, Dumps, Control			-	108,333	108,333
82 Tank / Facility Containm	ient			43,333	43,333
83 Flare Stack			-	16,667	16,667
84 Electrical / Grounding 85 Communications / SCAI	24			50,000	50,000
				36,667	36,667
86 Instrumentation / Safety		4 404 608		853	853
	TOTAL TANGIBLES >		0	989,187	2,090,814
	TOTAL COSTS >	4,243,103	4,794,736	1,686,354	10,724,193
DADED DAVE	0 4 110				
EPARED BY Permian Re	sources Operating, LLC:				
D. W F					
Drilling Engine					
Completions Engine					
Production Engine	er: DC				
mian Resources Operatii	ng, LLC APPROVAL:				
Co-CE	EO	Co-C	TEO	VP - Opera	tions
	WH		IW		CRM
VP - Land & Lea	gal	VP - Geoscien	,		
VP - Land & Leg	BG	George	SO		
	200		50		
NI ODED ATTIVE TO THE	ED ADDROVAT				
N OPERATING PARTN	EK APPKUVAL:				
Company Nan	ne:		Working Interest (%):	Ta	ix ID:
C1 11			Dete		
Signed b	by:		Date:		

increase our into over are estimates only and in my not extremely accompanied and proportional states of the contract contract contract of the contract of the

Approval: Yes

____No (mark one)

		F COSTS AND AUTHO	ORIZATION FOR EXPENDI		
DATE:	2.17.2023	711		AFE NO.:	Took Rone Cowing
WELL NAME: LOCATION:	Joker 5-8 Federal Com 122 Section 5, T20S-R34E	11		FIELD: MD/TVD:	Teas; Bone Spring 20,286' / 10,571'
COUNTY/STATE:	Lea County, New Mexico			LATERAL LENGTH:	10,000'
Permian WI:				DRILLING DAYS:	19.6
GEOLOGIC TARGET:	SBSG			COMPLETION DAYS:	18.6
REMARKS:	Drill a horizontal SBSG w install cost	ell and complete with	144 stages. AFE includes of	drilling, completions, fl	owback and Initial AL
INTANGIBLE	COSTS	DRILLING COSTS	COMPLETION COSTS	PRODUCTION COSTS	TOTAL COSTS
1 Land / Legal / Regulatory	5_	54,351		37,500	\$ 91,851
2 Location, Surveys & Dama 4 Freight / Transportation	iges _	265,083 43,826	16,625 40,284	2,500 25,000	284,208 109,110
5 Rental - Surface Equipmer		114,402	198,221	105,000	417,624
6 Rental - Downhole Equips 7 Rental - Living Quarters	nent	189,026 44,244	55,031	-	244,057 94,375
10 Directional Drilling, Surv	reys -	395,255	-		395,255
11 Drilling 12 Drill Bits	-	693,647 92,179			693,647 92,179
13 Fuel & Power	-	173,853	667,183		841,036
14 Cementing & Float Equip		223,875		15,000	223,8/5
15 Completion Unit, Swab, (16 Perforating, Wireline, Sli		-	361,754	15,000	15,000 361,/54
17 High Pressure Pump True	ck -	-	113,434	-	113,434
18 Completion Unit, Swab, G 20 Mud Circulation System	ciu -	96,811	134,791		134,791 96,811
21 Mud Logging	-	16,130	-	-	16,130
22 Logging / Formation Eval 23 Mud & Chemicals	uation	6,690 332,951	7,673 403,207	10,000	14,363 746,158
24 Water	-	39,990	608,810	250,000	898,800
25 Stimulation	D'	-	749,053	-	749,053
26 Stimulation Flowback & 28 Mud/Wastewater Dispos		177,689	111,899 56,269	150,000	261,899 233,959
30 Rig Supervision / Engine	ering -	111,522	122,769	21,667	255,958
32 Drlg & Completion Overl 35 Labor	head -	9,591 141,116	63,942	101,667	9,591 306,725
54 Proppant	-	-	1,155,029	-	1,155,029
95 Insurance 97 Contingency		13,489	22,472	3,833	13,489 26,305
99 Plugging & Abandonmer	nt -			- 3,000	20,303
	TOTAL INTANGIBLES >	3,235,720	4,938,578	722,167	8,896,465
TANGIBLE C	COSTS	DRILLING COSTS	COMPLETION COSTS	PRODUCTION COSTS	TOTAL COSTS
60 Surface Casing	5_	112,477			\$ 112,477
61 Intermediate Casing 62 Drilling Liner	-	316,801			316,801
63 Production Casing	-	632,196	-	-	632,196
64 Production Liner	-	-		140,000	140,000
65 Tubing 66 Wellhead	-	59,645		40,000	99,645
67 Packers, Liner Hangers		13,556	-	20,000	33,556
68 Tanks 69 Production Vessels	-	-		45,833	45,833
70 Flow Lines	-			126,667	126,667
71 Rod string 72 Artificial Lift Equipment		-	-	90,000	66,667 90,000
73 Compressor	-	-	-	5,833	5,833
74 Installation Costs	-	-	-		-
75 Surface Pumps 76 Downhole Pumps	-			61,667	61,667
77 Measurement & Meter In		-	-	116,667	116,667
78 Gas Conditioning / Dehy 79 Interconnecting Facility F		-	-	20,000	20,000
80 Gathering / Bulk Lines	-	-	-		
81 Valves, Dumps, Controlle 82 Tank / Facility Containme		-		108,333	108,333
83 Flare Stack	-			16,667	16,667
84 Electrical / Grounding		-	-	50,000	50,000
85 Communications / SCAD 86 Instrumentation / Safety	-A			36,667 833	36,667 833
	TOTAL TANGIBLES >	1,134,676	0	989,167	2,123,843
	TOTAL COSTS >	4,370,396	4,938,578	1,711,334	11,020,308
EPARED BY Permian Res	ources Operating, LLC:				
Drilling Enginee					
Completions Enginee					
Production Enginee	r: DC				
mian Resources Operatin	g, LLC APPROVAL:				
Co-CE(0	Co-C	EO	VP - Opera	ations
	WH		JW		CRM
VP - Land & Lega	al	VP - Geoscien			
	BG		SO		
N ODED ATTAIC DADTE	ED ADDDOMAT.				
N OPERATING PARTNI Company Name			Working Interest (%):	T	ax ID:
	-				
Signed by	y:		Date:		
Title	e:		Approval:	Yes	No (mark one)

300 N. Marienfeld St., Ste. 1000 Midland, TX 79701 Phone (432) 695-4222 • Fax (432) 695-4063

IMATE OF COSTS AND AUTHORIZATION FOR EXPENDITURE

DATE: WELL NAME:	2.17.2023 Joker 5-8 Federal Com 128	Н		AFE NO.: FIELD:	1 Teas; Bone Spring
VELL NAME: LOCATION:	Section 5, T20S-R34E	Н		MD/TVD:	20,256' / 9,961'
OUNTY/STATE:	Lea County, New Mexico			LATERAL LENGTH:	10,000'
ermian WI:	Lea County, New Mexico			DRILLING DAYS:	19.6
EOLOGIC TARGET:	SBSG			COMPLETION DAYS:	18.6
LOLOGIC TIMOLIT	Drill a horizontal SBSG we	ll and complete with	14 stages AFF includes	_	
EMARKS:	install cost	in una complete with	i suges. III E meiute.	diming, completions, in	owen and main 11
		DRILLING	COMPLETION	PRODUCTION	TOTAL
INTANGIBLE (COSTS	COSTS	COSTS	COSTS	COSTS
Land / Legal / Regulatory Location, Surveys & Damas	res =	54,351 265,083	16,625	2,500	\$ 91,85 284,20
Freight / Transportation	_	43,826	40,284	25,000	109,11
Rental - Surface Equipmen		114,402	198,221	105,000	417,62
Rental - Downhole Equipm	ent	189,026	55,031	-	244,05
Rental - Living Quarters O Directional Drilling, Surve	evs	44,244 395,255	50,131		94,37 395,25
1 Drilling	_	693,647	-		693,64
2 Drill Bits		92,179	-	-	92,17
3 Fuel & Power	_	173,853 223,875	667,183	-	841,03 223,87
4 Cementing & Float Equip 5 Completion Unit, Swab, C	TU -	223,873		15,000	15,00
6 Perforating, Wireline, Slic		-	361,754	-	361,75
7 High Pressure Pump Truc	k	-	113,434	-	113,43
8 Completion Unit, Swab, C	TU	-	134,791	-	134,79
0 Mud Circulation System 1 Mud Logging	_	96,811 16,130	-		96,81
2 Logging / Formation Evalu	ation	6,690	7,673		14,36
3 Mud & Chemicals	_	332,951	403,207	10,000	746,15
4 Water	_	39,990	608,810	250,000	898,80
5 Stimulation 6 Stimulation Flowback & F	Dien -	-	749,053	1577,7800	749,05
6 Stimulation Flowback & I 8 Mud / Wastewater Dispos		177,689	111,899 56,269	150,000	261,89 233,95
0 Rig Supervision / Enginee		111,522	122,769	21,667	255,95
2 Drlg & Completion Overh		9,591	-	-	9,59
5 Labor		141,116	63,942	101,667	306,72
4 Proppant	_	13,489	1,155,029	-	1,155,02 13,48
5 Insurance 7 Contingency	_	13,469	22,472	3,833	26,30
9 Plugging & Abandonmen	-	-		-	-
	TOTAL INTANGIBLES >	3,235,720	4,938,578	722,167	8,896,4
		DRILLING	COMPLETION	PRODUCTION	TOTAL
TANGIBLE C	OSTS	COSTS	COSTS	COSTS	COSTS
0 Surface Casing	5	112,477		-	\$ 112,47
1 Intermediate Casing	_	316,801	-	-	316,80
2 Drilling Liner		-	-	-	-
3 Production Casing	_	632,196	-		632,19
4 Production Liner 5 Tubing	_			140,000	140,00
6 Wellhead	_	59,645		40,000	99,64
7 Packers, Liner Hangers	-	13,556	-	20,000	33,55
8 Tanks	_	-	-	-	
9 Production Vessels 70 Flow Lines	_			45,833 126,667	45,83 126,66
1 Rod string	_			66,667	66,66
2 Artificial Lift Equipment	_	-		90,000	90,00
3 Compressor	-	-	-	5,833	5,83
4 Installation Costs	_	-	-		-
5 Surface Pumps 6 Downhole Pumps	_			61,667	61,66
7 Measurement & Meter Ins	tallation			116,667	116,66
8 Gas Conditioning / Dehyd		-	-	-	-
9 Interconnecting Facility Pi	ping	-	-	20,000	20,00
0 Gathering / Bulk Lines	_	-	-	-	-
1 Valves, Dumps, Controlle 2 Tank/Facility Containme				108,333	108,33
3 Flare Stack				16,667	16,66
4 Electrical / Grounding	_	-	-	50,000	50,00
5 Communications / SCAD	_	-	-	36,667	36,66
66 Instrumentation / Safety		-	-	833	83
	TOTAL TANGIBLES >	1,134,676	0	989,167	2,123,8
	TOTAL COSTS >	4,370,396	4,938,578	1,711,334	11,020,3
PARED BY Permian Reso	ources Operating, LLC:				
					
Drilling Engineer					
Completions Engineer					
Production Engineer	: DC				
n -	*** C + PP= C				
ian Resources Operating	, LLC APPROVAL:				
C- CTC)	C- CD	0	1/B O	ations
Co-CEC	WH	Co-CE	- IW	VP - Oper	CRM
VP - Land & Lega	1	VP - Geoscience	,		CKW
Lund & Dega	BG	· · · Geoscience	SO		
OPERATING PARTNE	R APPROVAL:				
			*** ** * * * ***		TD.
Company Name			vv orking Interest (%):	T	ax ID:
Signed hv	:		Date:		

300 N. Marienfeld St., Ste. 1000 Midland, TX 79701 Phone (432) 695-4222 • Fax (432) 695-4063

IMATE OF COSTS AND AUTHORIZATION FOR EXPENDITURE

DATE: WELL NAME:	2.17.2023 Joker 5-8 Federal Com 174	H		AFE NO.: FIELD:	1 Teas; Bone Spring
OCATION:	Section 5, T20S-R34E			MD/TVD:	20,701' / 10,416'
OUNTY/STATE:	Lea County, New Mexico			LATERAL LENGTH:	10,000'
ermian WI:				DRILLING DAYS:	19.6
EOLOGIC TARGET:	TBSG			COMPLETION DAYS:	18.6
	Drill a horizontal TBSG we	ell and complete with	44 stages. AFE include	s drilling, completions, fl	owback and Initial A
EMARKS:	install cost				
		DRILLING	COMPLETION	PRODUCTION	TOTAL
INTANGIBLE (COSTS	COSTS	COSTS	COSTS	COSTS
Land / Legal / Regulatory Location, Surveys & Damag	5_	55,739 271,852	17,050	37,500 2,500	\$ 93,23 291,40
Freight / Transportation	_	44,945	41,312	25,000	111,25
Rental - Surface Equipment		117,323	203,283	105,000	425,60
Rental - Downhole Equipm Rental - Living Quarters	ent _	193,853 45,374	56,437	-	250,28 96,78
0 Directional Drilling, Surve	eys	405,348	-		405,34
1 Drilling	_	711,359	-	-	711,35
2 Drill Bits 3 Fuel & Power	_	94,533 178,292	684,220		94,53 862,51
4 Cementing & Float Equip	_	229,592	-	-	229,59
5 Completion Unit, Swab, C		-	-	15,000	15,00
6 Perforating, Wireline, Slicl 7 High Pressure Pump Trucl		-	370,992 116,330		370,99 116,33
8 Completion Unit, Swab, C			138,232		138,23
0 Mud Circulation System	-	99,283	-	-	99,28
1 Mud Logging		16,542	- 7,020		16,54
2 Logging / Formation Evalu 3 Mud & Chemicals		6,860 341,453	7,869 413,503	10,000	14,72 764,95
4 Water	_	41,011	624,356	300,000	965,36
5 Stimulation	_	-	768,180	-	768,18
6 Stimulation Flowback & D		100.000	114,757	150,000	264,75
8 Mud / Wastewater Disposa 0 Rig Supervision / Engineer		182,227 114,369	57,706 125,904	21,667	239,93 261,94
2 Drlg & Completion Overh		9,836	-		9,83
5 Labor		144,719	65,575	101,667	311,96
4 Proppant 5 Insurance	_	13,834	1,184,522	-	1,184,52
7 Contingency	_	13,034	23,045	3,833	26,87
9 Plugging & Abandonment	-	-	-	-	
	TOTAL INTANGIBLES >	3,318,344	5,064,685	772,167	9,155,1
		DRILLING	COMPLETION	PRODUCTION	TOTAL
TANGIBLE CO	OSTS	COSTS	COSTS	COSTS	COSTS
U Surface Casing	s_	115,349			\$ 115,34
1 Intermediate Casing 2 Drilling Liner	_	324,891			324,89
3 Production Casing	_	648,340			648,34
4 Production Liner	_	-	-	-	-
5 Tubing	_	61.160		140,000	140,00
66 Wellhead 67 Packers, Liner Hangers	_	61,169 13,902		40,000	101,16
i8 Tanks	_	-		45,833	45,83
9 Production Vessels		-	-	126,667	126,66
'0 Flow Lines '1 Rod string	_	-	-	66,667	66,66
2 Artificial Lift Equipment	_			90,000	90,00
3 Compressor	_	-	-	5,833	5,83
4 Installation Costs		-	-		-
5 Surface Pumps 6 Downhole Pumps	_			61,667	61,66
7 Measurement & Meter Ins	tallation			116,667	116,66
'8 Gas Conditioning / Dehyd		-	-	-	-
9 Interconnecting Facility Pi	ping	-	-	20,000	20,00
80 Gathering / Bulk Lines 81 Valves, Dumps, Controller	rs —			108,333	108,33
2 Tank / Facility Containmen				43,333	43,33
3 Flare Stack	_	-		16,667	16,66
4 Electrical / Grounding 5 Communications / SCADA	_			50,000 36,667	50,00
36 Instrumentation / Safety	-	-		833	83
	TOTAL TANGIBLES >	1,163,650	0	989,167	2,152,81
	TOTAL COSTS >	4,481,994	5,064,685	1,761,334	11,308,0
PARED BY Permian Reso	ources Operating, LLC:				
Drilling Engineer:	: PS				
Completions Engineer:					
Production Engineer:					
ian Resources Operating	, LLC APPROVAL:				
Co-CEO)	Co-CI	EO	VP - Oper	ations
	WH		JW	*	CRM
VP - Land & Legal	1	VP - Geoscieno	ces		
	BG		SO		
OPERATING PARTNE	R APPROVAL:				
Company Name:	<u> </u>		Working Interest (%):	T	ax ID:
Cianad I					
Signed By:	:		Date:		

DATE:	2.17.2023			AFE NO.:	1
WELL NAME:	Joker 5-8 Federal Com 134	Н		FIELD:	Teas; Bone Spring
OCATION:	Section 5, T20S-R34E			MD/TVD:	21,106' / 10,821'
OUNTY/STATE:	Lea County, New Mexico			LATERAL LENGTH:	10,000'
ermian WI:				DRILLING DAYS:	19.6
GEOLOGIC TARGET:	TBSG			COMPLETION DAYS:	18.6
	Drill a horizontal TBSG we	ell and complete with	44 stages. AFE includes	_	
REMARKS:	install cost				
INTANGIBLE C	COSTS	DRILLING COSTS	COMPLETION COSTS	PRODUCTION COSTS	TOTAL COSTS
Land / Legal / Regulatory	5	57,069	-	37,500	\$ 94,569
Location, Surveys & Damag	es	278,338	17,456	2,500	298,294
Freight / Transportation		46,017	42,298	25,000	113,313
Rental - Surface Equipment Rental - Downhole Equipme		120,122 198,477	208,133 57,783	105,000	433,253 256,260
Rental - Living Quarters	-	46,457	52,637	-	99,09
0 Directional Drilling, Surve	ys	415,018	-	-	415,01
1 Drilling 2 Drill Bits	_	728,329			728,32
3 Fuel & Power	_	96,788 182,546	700,542		96,78 883,08
4 Cementing & Float Equip	_	235,069	-	-	235,06
5 Completion Unit, Swab, C		-	-	15,000	15,00
6 Perforating, Wireline, Slick		-	379,842 119,106		379,84 119,10
7 High Pressure Pump Truck 8 Completion Unit, Swab, C			119,106		119,10
0 Mud Circulation System	-	101,651	-	-	101,65
1 Mud Logging	_	16,936	-	-	16,93
2 Logging / Formation Evalua 3 Mud & Chemicals	ation	7,024	8,057	70.000	15,08
3 Mud & Chemicals 4 Water	_	349,599 41,989	423,367 639,251	10,000 300,000	782,96 981,24
5 Stimulation	_	-	786,506	-	786,50
6 Stimulation Flowback & D		-	117,494	150,000	267,49
8 Mud/Wastewater Disposa		186,574	59,083	-	245,65
0 Rig Supervision / Engineer 2 Drlg & Completion Overhe		117,098 10,071	128,908	21,667	267,67
5 Labor	_	148,172	67,140	101,667	316,97
4 Proppant	_	-	1,212,780	-	1,212,78
5 Insurance	_	14,164	-	-	14,16
7 Contingency 9 Plugging & Abandonment	_		23,595	3,833	27,42
7 Tugging & Abandonnich	TOTAL INTANGIBLES >	3,397,506	5,185,507	772,167	9,355,18
	TOTAL INTAINGIBLES?	DRILLING	COMPLETION	PRODUCTION	TOTAL
TANGIBLE CO	OSTS	COSTS	COSTS	COSTS	COSTS
0 Surface Casing	5_	118,101			\$ 118,10
1 Intermediate Casing 2 Drilling Liner	_	332,642		-	332,642
3 Production Casing	_	663,806			663,80
4 Production Liner	-	-			-
5 Tubing	_	-	-	140,000	140,000
66 Wellhead	_	62,628		40,000	102,628 34,234
57 Packers, Liner Hangers 58 Tanks	_	14,234		20,000 45,833	45,83
69 Production Vessels	-			126,667	126,66
70 Flow Lines	_	-		66,667	66,66
71 Rod string	_	-		-	
'2 Artificial Lift Equipment '3 Compressor	_			90,000 5,833	90,000
4 Installation Costs	_			3,000	
5 Surface Pumps	_	-		61,667	61,66
6 Downhole Pumps	_	-	-		-
77 Measurement & Meter Inst		-	-	116,667	116,66
'8 Gas Conditioning / Dehydı '9 Interconnecting Facility Pip				20,000	20,00
0 Gathering / Bulk Lines	_	-	-		
1 Valves, Dumps, Controller		-	-	108,333	108,33
2 Tank / Facility Containmen	nt	-	-	43,333	43,33
33 Flare Stack 34 Electrical / Grounding	_			16,667	50,00
5 Communications / SCADA	_	-	-	36,667	36,667
36 Instrumentation / Safety	-	-		833	833
	TOTAL TANGIBLES >	1,191,410	0	989,167	2,180,57
	TOTAL COSTS >	4,588,916	5,185,507	1,761,334	11,535,75
PARED BY Permian Resor	urces Operating, LLC:				
Drilling Engineer:	PS				
Completions Engineer:	ML				
Production Engineer:	DC				
	TTC I PPP CTTT				
ian Resources Operating,	, LLC APPROVAL:				
Co-CEO		Co-Ci	EO IW	VP - Oper	rations
	WH		,,,,		CRM
VP - Land & Legal	BG	VP - Geoscien	ces		
	BG		SO		
ODED ATTAIC PARTETY	D ADDDOMAT.				
OPERATING PARTNEI					
Company Name:			Working Interest (%):	T	ax ID:
Signed by:			Date:		
Title:			Approval:	Yes	No (mark one)
Title:			Approval:		

BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Exhibit No. C-10
Submitted by: Read & Stevens, Inc.,
Hearing Date: July 20, 2023
Case No. 23520

Permian Resources Operating, LLC

300 N. Marienfeld St., Ste. 1000 Midland, TX 79701 Phone (432) 695-4222 • Fax (432) 695-4063

ESTIMATE OF COSTS AND AUTHORIZATION FOR EXPENDITURE

DATE:	2.17.2023			AFE NO.:	1
WELL NAME:	Joker 5-8 Federal Com 20	01H		FIELD:	Tonto; Wolfcamp
LOCATION:	Section 5, T20S-R34E	-		MD/TVD:	21,211' / 10,926'
COUNTY/STATE:	Lea County, New Mexic	0		LATERAL LENGTH:	10,000'
Permian WI:	zea county) iven mone			DRILLING DAYS:	19.6
	MCVV				19.0
GEOLOGIC TARGET:	WCXY			COMPLETION DAYS:	
DELCA DECC		well and complete wi	th 44 stages. AFE include	s drilling, completions, i	lowback and Initial
REMARKS:	AL install cost				
		DRILLING	COMPLETION	PRODUCTION	TOTAL
INTANGIBL	E COSTS	COSTS	COSTS	COSTS	COSTS
Land / Legal / Regulatory				37,500	\$ 96,566
2 Location, Surveys & Dan		288,079	18,067	2,500	308,647
Freight / Transportation		47,628	43,778	25,000	116,406
5 Rental - Surface Equipm	ent	124,327	215,417	105,000	444,744
6 Rental - Downhole Equip	pment	205,424	59,805	-	265,229
7 Rental - Living Quarters		48,083	54,480	-	102,562
10 Directional Drilling, Su	rveys	429,543	-	-	429,543
11 Drilling		753,820	-	-	753,820
12 Drill Bits 13 Fuel & Power		100,176	725,061		100,176 913,996
14 Cementing & Float Equ	in	188,935 243,296	723,001		243,296
15 Completion Unit, Swab		-		15,000	15,000
16 Perforating, Wireline, S			393,136	-	393,136
17 High Pressure Pump Tr			123,274		123,274
18 Completion Unit, Swab			146,484		146,484
20 Mud Circulation System	n	105,209	-		105,209
21 Mud Logging		17,529	-	-	17,529
22 Logging / Formation Ev	aluation	7,270	8,339	-	15,609
23 Mud & Chemicals		361,835	438,185	10,000	810,020
24 Water		43,459	661,625	300,000	1,005,083
25 Stimulation	2. Diam		814,033	150,000	814,033
26 Stimulation Flowback &		102 104	121,606		271,606
28 Mud / Wastewater Disp 30 Rig Supervision / Engin		193,104 121,196	61,151 133,420	21,667	254,254 276,283
32 Drlg & Completion Ove		10,423	133,420	21,007	10,423
35 Labor		153,358	69,489	101,667	324,514
54 Proppant		-	1,255,227	=	1,255,227
95 Insurance		14,660			14,660
97 Contingency		-	24,421	3,833	28,254
99 Plugging & Abandonm	ent	-	-	-	-
	TOTAL INTANGIBLES >	3,516,419	5,367,000	772,167	9,655,585
		DRILLING	COMPLETION	PRODUCTION	TOTAL
TANGIBLE	COSTS	COSTS	COSTS	COSTS	COSTS
60 Surface Casing	. COSTS	122,234			\$ 122,234
61 Intermediate Casing		344,284			344,284
62 Drilling Liner		-	-		-
63 Production Casing		687,039	-	-	687,039
64 Production Liner		-	-	-	-
65 Tubing		-	-	140,000	140,000
66 Wellhead		64,820	-	40,000	104,820
67 Packers, Liner Hangers		14,/32		20,000	34,732
68 Tanks				45,833	45,833
69 Production Vessels 70 Flow Lines				126,667	126,667
71 Rod string				00,007	00,007
72 Artificial Lift Equipmer	nt			90,000	90,000
73 Compressor				5,833	5,833
74 Installation Costs		-		-	-
75 Surface Pumps			-	61,667	61,667
76 Downhole Pumps		-	-	-	-
77 Measurement & Meter l	Installation	-	-	116,667	116,667
78 Gas Conditioning/Deh		-	-	-	-
79 Interconnecting Facility	Piping		-	20,000	20,000
80 Gathering / Bulk Lines					
81 Valves, Dumps, Control				108,333	108,333
82 Tank / Facility Contain: 83 Flare Stack	nent			43,333	43,333
83 Flare Stack 84 Electrical / Grounding				16,667	16,667
85 Communications / SCA	DA			36,667	36,667
86 Instrumentation / Safety				833	833
	TOTAL TANGIBLES >	1,233,109		989,167	2,222,276
	TOTAL COSTS >		5,367,000	1,761,334	11,877,862
		-,,			
PARED BY Permian Re	esources Operating, LLC:				
Dailling Facility	DC DC				
Drilling Engine Completions Engine					
Production Engine	eer: DC				
nian Resources Operati	ing, LLC APPROVAL:				
Co-C	EO WH	Co-C	EO	VP - Opera	
			***		CRM
VP - Land & Le	gal	VP - Geoscien	nces		
	BG		SO		
N OPERATING PARTS	NED APPROVAL.				
N OPERATING PARTI					
Company Nar	me:		Working Interest (%):	Ta	ax ID:
Signed	by:		Date:		
Jigileu	~,		Date.		
Ti	itle:		Approval:	Yes	No (mark one)

300 N. Marienfeld St., Ste. 1000 Midland, TX 79701 Phone (432) 695-4222 • Fax (432) 695-4063

ESTIMATE OF COSTS AND AUTHORIZATION FOR EXPENDITURE

DATE:	2.17.2023			AFE NO.:	1
WELL NAME:	Joker 5-8 Federal Com 20)2H		FIELD:	Tonto; Wolfcamp
LOCATION:	Section 5, T20S-R34E			MD/TVD:	21,211' / 10,926'
COUNTY/STATE:	Lea County, New Mexico			LATERAL LENGTH:	10,000'
Permian WI:				DRILLING DAYS:	19.6
GEOLOGIC TARGET:	WCXY			COMPLETION DAYS:	19
REMARKS:	Drill a horizontal WCXY AL install cost	well and complete	with 44 stages. AFE inclu	ıdes drilling, completions,	flowback and Initial
INTANCIPLE	COSTS	DRILLING COSTS	COMPLETION COSTS	PRODUCTION COSTS	TOTAL COSTS
INTANGIBLE (T Land / Legal / Regulatory	5	59,066	-	37,500	\$ 96,566
2 Location, Surveys & Damag	ges	288,079	18,067	2,500	308,647
4 Freight / Transportation		47,628	43,778	25,000	116,406
5 Rental - Surface Equipment 6 Rental - Downhole Equipm		124,327 205,424	215,417 59,805	105,000	265,229
7 Rental - Living Quarters		48,083	54,480	-	102,562
10 Directional Drilling, Surve	eys	429,543	-	-	429,543
11 Drilling 12 Drill Bits		753,820 100,176	-	-	753,820 100,176
13 Fuel & Power		188,935	725,061		913,996
14 Cementing & Float Equip		243,296	-	-	243,296
15 Completion Unit, Swab, C 16 Perforating, Wireline, Slice			393,136	15,000	15,000 393,136
17 High Pressure Pump Truc			123,274		123,274
18 Completion Unit, Swab, C		-	146,484	-	146,484
20 Mud Circulation System 21 Mud Logging		105,209	-	-	105,209
22 Logging / Formation Evalu	ation	7,270	8,339	-	17,529 15,609
23 Mud & Chemicals		361,835	438,185	10,000	810,020
24 Water		43,459	661,625	300,000	1,005,083
25 Stimulation 26 Stimulation Flowback & I	Disp		814,033 121,606	150,000	814,033 271,606
28 Mud/Wastewater Disposa	al	193,104	61,151	-	254,254
30 Rig Supervision / Enginee		121,196	133,420	21,667	2/6,283
32 Drlg & Completion Overh 35 Labor	iead	10,423 153,358	69,489	101,667	10,423 324,514
54 Proppant		-	1,255,227	- 101,007	1,255,227
95 Insurance		14,660	-	-	14,660
97 Contingency 99 Plugging & Abandonment	•	-	24,421	3,833	28,254
99 I lugging & Abandonmen	TOTAL INTANGIBLES >	3,516,419	5,367,000	772,167	9,655,585
	TOTAL INTANGIBLES?		COMPLETION	PRODUCTION	
TANGIBLE C	OSTS	DRILLING COSTS	COMPLETION	COSTS	TOTAL COSTS
60 Surface Casing	5	122,234		-	\$ 122,234
61 Intermediate Casing 62 Drilling Liner		344,284			344,284
63 Production Casing		687,039			687,039
64 Production Liner		-	-	-	-
65 Tubing 66 Wellhead		64,820		140,000 40,000	140,000 104,820
67 Packers, Liner Hangers		14,732		20,000	34,732
68 Tanks		-	-	45,833	45,833
69 Production Vessels		-	-	126,667	126,667
70 Flow Lines 71 Rod string				66,667	66,667
72 Artificial Lift Equipment				90,000	90,000
73 Compressor		-	-	5,833	5,833
74 Installation Costs 75 Surface Pumps				61,667	61,667
76 Downhole Pumps					
77 Measurement & Meter Ins		-	-	116,667	116,667
78 Gas Conditioning / Dehyd 79 Interconnecting Facility Pi		-	-	20,000	20,000
80 Gathering / Bulk Lines	ping			20,000	20,000
81 Valves, Dumps, Controller				108,333	108,333
82 Tank / Facility Containme	nt	-	-	43,333	43,333
83 Flare Stack 84 Electrical / Grounding				16,667	16,667
85 Communications / SCAD	A			36,667	36,667
86 Instrumentation / Safety	TOTAL T		-	833	833
	TOTAL TANGIBLES > TOTAL COSTS >	1,233,109 4,749,528	5,367,000	989,167 1,761,334	2,222,276 11,877,862
EPARED BY Permian Reso Drilling Engineer Completions Engineer Production Engineer	: PS : ML				
mian Resources Operating	, LLC APPKOVAL:				
Co-CEC		(Co-CEO	VP - Ope	rations
	WH		JW		CRM
VP - Land & Lega	1BG	VP - Geos	SO SO		
ON OPERATING PARTNE	R APPROVAL:				
Company Name	:		Working Interest (%):	7	Гах ID:
company realie				·	
Signed by	:		Date:		
Title	:		Approval:	Yes	No (mark one)
			11		· · · · · · · · · · · · · · · · · · ·

proportionals date of stand costs incored, including, legal, curative, regulatory, behavior and will continue the terms of the applicable) joint operation in continue that of the stand costs incored, including, legal, curative, regulatory posterior and general inflavors regulatory posterior or other agreement covering this well. Participates shall be covered by and blind proportionality for Operator's well continued and posterior inflavors regulatory posterior or other agreement covering this well. Participates shall be covered by and blind proportionality for Operator's well

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ESTIMATE OF COSTS AND AUTHORIZATION FOR EXPENDITURE

DATE:	2.17.2023			AFE NO.:	1
WELL NAME:	Joker 5-8 Federal Com	203H		FIELD:	Tonto; Wolfcamp
LOCATION:	Section 5, T20S-R34E			MD/TVD:	21,191' / 10,906'
COUNTY/STATE:	Lea County, New Mexi	ico		LATERAL LENGTH:	10,000'
Permian WI:				DRILLING DAYS:	19.6
GEOLOGIC TARGET:	WCXY			COMPLETION DAYS:	19
		Y well and complete wi	th 44 stages AFF includ	es drilling, completions,	
REMARKS:	AL install cost	T weir and complete wi	ur 44 stages. Ar E frictuu	es drining, completions,	nowback and initial
		DRILLING	COMPLETION	PRODUCTION	TOTAL
INTANGIBL		COSTS	COSTS	COSTS	COSTS
T Land / Legal / Regulatory		\$ 59,066		37,500	\$ 96,566
2 Location, Surveys & Dan 4 Freight / Transportation	ıages	288,079 47,628	18,067 43,778	2,500 25,000	308,647
5 Rental - Surface Equipme	ent	124,327	215,417	105,000	444,744
6 Rental - Downhole Equip		205,424	59,805	-	265,229
7 Rental - Living Quarters		48,083	54,480	-	102,562
10 Directional Drilling, Su	rveys	429,543	-	-	429,543
11 Drilling		753,820	-	-	753,820
12 Drill Bits		100,176	-	-	100,176
13 Fuel & Power 14 Cementing & Float Equ	in.	188,935 243,296	725,061		913,996 243,296
15 Completion Unit, Swab		240,270		15,000	15,000
16 Perforating, Wireline, S			393,136	13,000	393,136
17 High Pressure Pump Tr			123,274		123,274
18 Completion Unit, Swab		-	146,484		146,484
20 Mud Circulation Systen		105,209	-		105,209
21 Mud Logging		17,529			17,529
22 Logging / Formation Eva	luation	7,270	8,339	-	15,609
23 Mud & Chemicals		361,835	438,185	10,000	810,020
24 Water 25 Stimulation		43,459	661,625 814,033	300,000	1,005,083
26 Stimulation Flowback &	z Disp		121,606	150,000	2/1,606
28 Mud / Wastewater Disp		193,104	61,151	150,000	254,254
30 Rig Supervision / Engin		121,196	133,420	21,667	276,283
32 Drlg & Completion Ove		10,423			10,423
35 Labor		153,358	69,489	101,667	324,514
54 Proppant		-	1,255,227	-	1,255,227
95 Insurance		14,660	-	-	14,660
97 Contingency		-	24,421	3,833	28,254
99 Plugging & Abandonme					
	TOTAL INTANGIBLES	> 3,516,419	5,367,000	772,167	9,655,585
TANGIBLE	COSTS	DRILLING COSTS	COMPLETION COSTS	PRODUCTION COSTS	TOTAL COSTS
60 Surface Casing	COSTS	\$ 122,234			\$ 122,234
61 Intermediate Casing		344,284			344,284
62 Drilling Liner					
63 Production Casing		687,039			687,039
64 Production Liner					
65 Tubing		-	-	140,000	140,000
66 Wellhead		64,820	-	40,000	104,820
67 Packers, Liner Hangers		14,732	-	20,000	34,/32
68 Tanks		-	-	45,833	45,833
69 Production Vessels 70 Flow Lines				126,667	126,667
71 Rod string				00,007	- 00,007
72 Artificial Lift Equipmen	ıt.			90,000	90,000
73 Compressor				5,833	5,833
74 Installation Costs		-	-		-
75 Surface Pumps		-	-	61,667	61,667
76 Downhole Pumps		-	-	-	-
77 Measurement & Meter I		-	-	116,667	116,667
78 Gas Conditioning / Deh		-	-		-
79 Interconnecting Facility 80 Gathering / Bulk Lines	riping			20,000	20,000
81 Valves, Dumps, Control	lore			108,333	108,333
82 Tank / Facility Contains				43,333	43,333
83 Flare Stack		-		16,667	16,667
84 Electrical / Grounding		-	-	50,000	50,000
85 Communications / SCA				36,667	36,667
86 Instrumentation / Safety		-		833	833
	TOTAL TANGIBLES		0	989,167	2,222,276
	TOTAL COSTS	> 4,749,528	5,367,000	1,761,334	11,877,862
FPARED RY Parmian Do	esources Operating, LLC:				
Drilling Engine					
Completions Engine	eer: ML				
Production Engine	eer: DC				
	II C A PPPOVAL				
mian Resources Operati	ng, LLC APPROVAL:				
Co-C		Co-C	CEO	VP - Oper	ations
	WH		JW		CRM
VP - Land & Le	gal	VP - Geoscier	nces		
	BG		SO		
ON OPERATING PARTN	JER APPROVAL:				
Company Nar	ne:		Working Interest (%):	T	ax ID:
Signed	by:		Date:		

proportionals date of stand costs incored, including, legal, curative, regulatory, behavior and will continue the terms of the applicable) joint operation in continue that of the stand costs incored, including, legal, curative, regulatory posterior and general inflavors regulatory posterior or other agreement covering this well. Participates shall be covered by and blind proportionality for Operator's well continued and posterior inflavors regulatory posterior or other agreement covering this well. Participates shall be covered by and blind proportionality for Operator's well

Approval: Yes

____No (mark one)

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ESTIMATE OF COSTS AND AUTHORIZATION FOR EXPENDITURE

DATE:	2.17.2023			AFE NO.:	1
WELL NAME:	Joker 5-8 Federal Com 20	04H		FIELD:	Tonto; Wolfcamp
LOCATION:	Section 5, T20S-R34E			MD/TVD:	21,181' / 10,896'
COUNTY/STATE:	Lea County, New Mexico)		LATERAL LENGTH:	10,000'
Permian WI:	Dea County) Iven inches			DRILLING DAYS:	19.6
GEOLOGIC TARGET:	WCXY			COMPLETION DAYS:	19
GLOLOGIC TARGET.		ruall and complete	with 44 stages. AEE incl.	udes drilling, completions,	
REMARKS:	AL install cost	weir and complete	with 44 stages. Are file	udes drining, completions,	nowback and mittal
		DRILLING	COMPLETION	PRODUCTION	TOTAL
INTANGIBLE C		COSTS	COSTS	COSTS	COSTS
T Land / Legal / Regulatory 2 Location, Surveys & Damag	5	59,066 288,079	18,067	2,500	\$ 96,566 308,647
4 Freight / Transportation	C5	47,628	43,778	25,000	116,406
5 Rental - Surface Equipment		124,327	215,417	105,000	444,744
6 Rental - Downhole Equipment		205,424	59,805	-	265,229
7 Rental - Living Quarters		48,083	54,480	-	102,562
10 Directional Drilling, Surve	ys	429,543	-	-	429,543 753,820
11 Drilling 12 Drill Bits		753,820 100,176			100,176
13 Fuel & Power		188,935	725,061		913,996
14 Cementing & Float Equip		243,296	-		243,296
15 Completion Unit, Swab, C		-	-	15,000	15,000
16 Perforating, Wireline, Slick		-	393,136	-	393,136
17 High Pressure Pump Truck 18 Completion Unit, Swab, CT			123,274 146,484	-	123,274 146,484
20 Mud Circulation System		105,209	- 110,101		105,209
21 Mud Logging		17,529			17,529
22 Logging / Formation Evalua	ation	7,270	8,339		15,609
23 Mud & Chemicals		361,835	438,185	10,000	810,020
24 Water 25 Stimulation		43,459	661,625 814,033	300,000	1,005,083 814,033
26 Stimulation Flowback & D	isp		121,606	150,000	2/1,606
28 Mud/Wastewater Disposa		193,104	61,151	-	254,254
30 Rig Supervision / Engineer	ing	121,196	133,420	21,667	2/6,283
32 Drlg & Completion Overhe	ead	10,423	-	-	10,423
35 Labor 54 Propposit		153,358	69,489 1,255,227	101,667	324,514 1,255,227
54 Proppant 95 Insurance		14,660	1,233,227		1,255,227
97 Contingency			24,421	3,833	28,254
99 Plugging & Abandonment				-	-
	TOTAL INTANGIBLES >	3,516,419	5,367,000	772,167	9,655,585
		DRILLING	COMPLETION	PRODUCTION	TOTAL
TANGIBLE CO	OSTS	COSTS	COSTS	COSTS	COSTS
60 Surface Casing	5	122,234		-	\$ 122,234
61 Intermediate Casing		344,284	-		344,284
62 Drilling Liner		-	-		-
63 Production Casing		687,039	-		687,039
64 Production Liner 65 Tubing				140,000	140,000
66 Wellhead		64,820		40,000	104,820
67 Packers, Liner Hangers		14,732		20,000	34,732
68 Tanks		-	-	45,833	45,833
69 Production Vessels		-	-	126,667	126,667
70 Flow Lines		-	-	66,667	66,667
71 Rod string 72 Artificial Lift Equipment			-	90,000	90,000
73 Compressor				5,833	5,833
74 Installation Costs		-	-		
75 Surface Pumps		-	-	61,667	61,667
76 Downhole Pumps	- H-tr-	-	-	-	
77 Measurement & Meter Inst 78 Gas Conditioning / Dehydr				116,667	116,667
79 Interconnecting Facility Pig				20,000	20,000
80 Gathering / Bulk Lines			-	-	-
81 Valves, Dumps, Controller		-		108,333	108,333
82 Tank / Facility Containmen	ıt	-	-	43,333	43,333
83 Flare Stack 84 Electrical / Grounding				16,667	16,667
85 Communications / SCADA				36,667	36,667
86 Instrumentation / Safety			-	833	833
	TOTAL TANGIBLES >	1,233,109	0	989,167	2,222,276
	TOTAL COSTS >	4,749,528	5,367,000	1,761,334	11,877,862
EPARED BY Permian Resor Drilling Engineer: Completions Engineer:	PS ML				
Production Engineer:	DC				
mian Resources Operating,	LLC APPROVAL:				
Co-CEO		(Co-CEO	VP - Oper	rations
	WH		JW		CRM
VP - Land & Legal	BG	VP - Geos	SO		
N ODED ATIMO DADOS	ADDROVAT				
N OPERATING PARTNEI	APPKUVAL:		Working Interest (%):	7	Γax ID:
Company Name:			working interest (%):	1	ua 117.
Signed by:			Date:		
Title:			Approval:	Yes	No (mark one)

increases out in Art are comman were up and must not so extraction as committee up seems as the comment of the

cases

Timeline of Events/Communication – Slide 1 of 3 EXHIBIT C-11



February 16, 2023

Permian Resources closes acquisition of Read & Stevens & First Century Oil via publicly marketed sale (entities survive)

February 17, 2023

Read & Stevens proposes Bane development as well as the Joker Potash Development Area

February 21, 2023

- BLM sends out notice of Read & Stevens federal onsite of the Joker Development Area scheduled for March 1, 2023, MRC and Cimarex are noticed.
- Cimarex sends letter to BLM protesting Joker Development Area

February 22, 2023

Brief correspondence with Wilbanks and provided offer on interest

February 23, 2023

- Read & Stevens meets with Cimarex light trade options were discussed to resolve conflict •
- Correspondence with Free Ride, LLC (ORRI owner in Joker & Bane)

February 24, 2023

Correspondence with Chase Oil Corporation

February 27, 2023

- Correspondence with Chase Oil Corporation
- Correspondence with CLM Production Company

March 1. 2023

BLM and Read & Stevens conduct Joker & Bane onsite. No representative from any other company shows up

March 7, 2023

Correspondence with Cimarex

- March 9, 2023
 - Cimarex files for compulsory pooling utilizing its August 2022 Mighty Pheasant (5/8) & Loosey Goosey (4/9) well proposals
- March 15, 2023
 - Correspondence with Wilbanks
- March 17, 2023
 - Though out of typical order, to protect operatorship Read & Stevens sends out Joker well proposals prior to potash DA approval
 - Correspondence with CBR and Sunburst
- March 20, 2023
 - Correspondence with Challenger Crude, Ltd.
 - Offer sent to Delmar Hudson Trust (Bank of America)
 - March 21, 2023 June 2023
 - Off and on conversations with MRC dealing with separate issues prior to having the Joker/Bane area conversation
- March 22, 2023
 - Informal meeting with Cimarex
- March 23, 2023
 - Correspondence with Wilbanks
- March 24, 2023
 - Correspondence with Marks Oil

CONTINUED ON NEXT SLIDE

cases

Timeline of Events/Communication – Slide 2 of 3 EXHIBIT C-11



March 27, 2023

- Joseph Wm. Foran & MRC Permian protest the Joker potash development area
- Correspondence with CBR

March 28, 2023

Correspondence with Tierra Encantada

March 29 & 30, 2023

Correspondence with Union Hill

March 31, 2023

Correspondence with Javelina/Zorro (Hudson Family representatives)

April 3, 2023

Correspondence with Richardson Oil/Highland (Texas)

April 5, 2023

Correspondence with Challenger Crude, Ltd.

April 6, 2023

Status conference setting contested hearing for July 20th

April 12, 2023

Correspondence with Warren Associates

April 13, 2023

Read & Stevens files for consolidation and contest of Cimarex cases with Joker & Bane Cases

April 25 & 26, 2023

Correspondence with Richardson Oil/Highland (Texas)

April 27, 2023

- Read & Stevens travels to Fort Worth in-person meeting with Zorro/Javelina (Hudson Family representatives)
- Brief correspondence with Cimarex
- May 8, 2023
 - Correspondence with Cimarex
- May 12, 2023
 - Correspondence with Ard Oil
- May 15, 2023
 - Correspondence with Avalon Energy Permian Resources (Read & Stevens) sends in an offer on their interest
- May 16, 2023
 - Correspondence with Wilbanks
 - Correspondence with Free Ride, LLC (ORRI Owner)
- May 17, 2023
 - Correspondence with Delmar Hudson Trust (BOA) Indication they took our offer and executed a deal with Cimarex
- May 18, 2023
 - Meeting with Cimarex
 - May 22, 2023
 - Correspondence with Warren Associates
 - Closed acquisition of Avalon Energy's interest

CONTINUED ON NEXT SLIDE

Page 278 of 484

Timeline of Events/Communication – Slide 3 of 3 EXHIBIT C-11



May 23, 2023

- Correspondence with Wilbanks
- Letter sent to neutral parties

May 24, 2023

Meeting with Ard in Roswell

May 25, 2023

- Meeting with Cimarex
- Correspondence with Challenger Crude, Ltd.
- Correspondence with HOG Partnership, LP

June 1, 2023

- Correspondence with Cimarex
- Letter sent to ORRI owners

June 2, 2023

Correspondence with Marks Oil

June 13, 2023

- Informal meeting with Cimarex/EOG to discuss possible joint resolution
- Cash offer sent from Permian Resources / Read & Stevens to Cimarex / Magnum Hunter to purchase 100% of their interest in the Joker/Bane units. Offer expires July 13, 2023.
- Correspondence with Nuevo Seis, LP (ORRI owner)

June 19, 2023

- Correspondence with Union Hill
- Correspondence with Marks Oil

- June 21, 2023
 - Correspondence with Richardson Oil/Highland (Texas)
- June 26, 2023
 - Correspondence with Wilbanks
 - Correspondence with Cimarex indicating no outstanding trade options will likely solve this issue prior to any hearing. PR cash offer still outstanding with Cimarex til July 13th.
- July 6, 2023
 - Confirmation with Read & Stevens regulatory team, all Joker and Bane APDs are entered into AFMSS and are ready to submit to the BLM at will.
- July 7, 2023
 - Correspondence with MRC/Foran
 - Correspondence with Diamond Star
- July 11, 2023
 - Correspondence with Chase
 - Correspondence with Northern
 - Correspondence with Marks & Wilbanks
 - Correspondence with Tierra Encantada
- July 13, 2023
 - Correspondence with Northern & MRC
 - Cash offer to Cimarex / Magnum Hunter expired

Page 279 of 484

From: Reid Marley
To: Travis Macha

Subject: Re: -EXTERNAL- Permian Resource/Ard Oil Ltd Intro

Date: Tuesday, July 11, 2023 2:33:03 PM

Attachments: <u>image001.png</u>

WARNING: The sender of this email could not be validated and may not match the person in the "From" field.

Hey Travis,

Yes we want to support PR.

Reid Marley, CPL 817-879-6877 reid.marley@gmail.com

On Sat, Jul 8, 2023 at 8:30 AM Travis Macha < Travis. Macha@permianres.com > wrote:

Hey Reid,

Over the next few days I'm going to be finishing up the land exhibits for the Joker/Bane cases which are due here on the 13th for that hearing on the 20th. If yalll did want to put a foot forward on supporting PR here feel free to let me know.

Thanks,



Travis Macha | Senior Landman

O 432.400.1037 | travis.macha@permianres.com

300 N. Marienfeld Street, Suite 1000 | Midland, TX 79701

permianres.com

Permian Resources is a result of the merger of Centennial Resource Development and Colgate Energy effective September 1, 2022.

From: Reid Marley < reid.marley@gmail.com > Sent: Monday, May 22, 2023 11:29 AM

To: Patrick Godwin < <u>Patrick.Godwin@permianres.com</u> > Cc: Travis Macha < <u>Travis.Macha@permianres.com</u> >

Subject: Re: -EXTERNAL- Permian Resource/Ard Oil Ltd Intro

WARNING: The sender of this email could not be validated and may not match the person in the "From" field.

Sounds good.

121 W. 3rd St.

Reid Marley, CPL

817-879-6877 reid.marley@gmail.com

On Mon, May 22, 2023 at 8:02 AM Patrick Godwin < Patrick.Godwin@permianres.com > wrote:

Good deal. Would you be available to meet at your office around 11:00 and we can talk through a few things and then take you to lunch? Let us know if that timing doesn't work and we can move around as needed.

Thanks,



Patrick Godwin | Vice President - Land

O 432.695.4254 | patrick.godwin@permianres.com

300 N. Marienfeld Street, Suite 1000 | Midland, TX 79701

permianres.com

Permian Resources is a result of the merger of Centennial Resource Development and Colgate Energy effective September 1, 2022.

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From: Reid Marley < reid.marley@gmail.com>

Sent: Friday, May 19, 2023 9:13 AM

To: Patrick Godwin < <u>Patrick.Godwin@permianres.com</u> > Cc: Travis Macha < <u>Travis.Macha@permianres.com</u> >

Subject: Re: -EXTERNAL- Permian Resource/Ard Oil Ltd Intro

WARNING: The sender of this email could not be validated and may not match the person in the "From" field.

Sounds good, I should be available and look forward to meeting you.

Reid Marley, CPL

817-879-6877 reid.marley@gmail.com

On Thu, May 18, 2023 at 3:51 PM Patrick Godwin < <u>Patrick.Godwin@permianres.com</u>> wrote:

Hey Reid,

It looks like we'll actually be coming up to Roswell on Wednesday of next week (5/24) for a last minute trip on few other things around our purchase of R&S and their files/office space/etc.

We'd love to take you to lunch or meet up in person to introduce ourselves and PR. We'll be

flexible during the day from a timing standpoint and could meet you anytime that was convenient for you if you have a good window that day.

Just let us know and we can try and get something on the books.

Thanks,



Patrick Godwin | Vice President - Land

O 432.695.4254 | patrick.godwin@permianres.com

300 N. Marienfeld Street, Suite 1000 | Midland, TX 79701

permianres.com

Permian Resources is a result of the merger of Centennial Resource Development and Colgate Energy effective September 1, 2022.

This message may contain confidential and/or privileged information. If you are not the addressee or authorized to receive this for the addressee, you must not use, copy, disclose or take any action based on this message or any information herein. If you have received this message in error, please advise the sender immediately by reply e-mail and delete this message.

From: Reid Marley < reid.marley@gmail.com>

Sent: Monday, May 15, 2023 1:59 PM

To: Travis Macha < Travis.Macha@permianres.com>

Cc: byronleehenderson@gmail.com; Patrick Godwin < Patrick.Godwin@permianres.com>

Subject: Re: -EXTERNAL- Permian Resource/Ard Oil Ltd Intro

WARNING: The sender of this email could not be validated and may not match the person in the "From" field.

Hey Travis,

Let me look into what we have going on with this deal and let's visit later this week. Over the phone should be fine.

Regards,

Reid Marley, CPL

817-879-6877 reid.marley@gmail.com

On Mon, May 15, 2023 at 7:29 AM Travis Macha < <u>Travis.Macha@permianres.com</u>> wrote:

Thanks for the brief intro, Byron!

Reid – Happy to make the acquaintance, and as Byron mentioned we have a couple units that Ard is in (being centered around the Cimarex/Read & Stevens 20-34 acreage) that we'd love to sit down and discuss if you have some time in the next week or two. If you're open to it, we'd just make a trip your way for a day and discuss unless you'd prefer to just hop on a call

Thanks!



Travis Macha | Senior Landman

O 432.400.1037 | travis.macha@permianres.com

300 N. Marienfeld Street, Suite 1000 | Midland, TX 79701

permianres.com

Permian Resources is a result of the merger of Centennial Resource Development and Colgate Energy effective September 1, 2022.

FXHIBIT C-12



300 N. MARIENFELD STREET, SUITE 1000 MIDLAND, TX 79701

OFFICE 432,695,4222 FAX 432,698,4063

July 8, 2023

CBR Oil Properties, LLC P.O. Box 1518 Roswell, NM 88202

RE:

Joker & Bane Developments

Township 20 South, Range 34 East, Lea Co., New Mexico

Sections 4, 5, 8, & 9

To Whom It May Concern,

The purpose of this letter is to help bring a greater understanding and lessen any potential confusion surrounding the previously proposed developments in this area. As you may be aware Permian Resources Operating, LLC ("Permian") has recently closed the acquisition of Read & Stevens, Inc. and First Century Oil, Inc. effective February 16, 2023.

WHEREAS, on February 17, 2023, Permian proposed a twenty-four (24) well project within sections 4 & 9 of T20S-R34E (the "Bane" project) as well as a potash development area encompassing sections 5 & 8 of T20S-R34E (the "Joker" project). Permian subsequently sent formal Joker well proposals out in March subsequent to Cimarex Energy Company's ("Cimarex') filing for compulsory pooling on both Permian project areas.

To provide a brief update on the status of these projects to-date:

- Bane: Contested hearing at the New Mexico Oil Conservation Division ("NMOCD") between Permian and Cimarex presently scheduled for July 20th, 2023.
- Joker: Cimarex, Joseph W, Foran, and MRC Permian have issued protest of Permian's potash development area proposal which is necessary to have in place for development by any party. Similarly, to Bane a contested hearing is scheduled at the NMOCD for July 20th, 2023.
- Applications for Permits to Drill ("APDs"): Permian has conducted on sites with the Bureau of Land Management on both Joker and Bane, has fully prepared C-102s, and is ready to file permits. Permian is presently prevented by NMOCD rule and is refraining from filing these permits due to the contests.

Attached herein to this letter is a synopsis of Permian's well preparation, development plans, informal thoughts, and intentions for speedy and thoughtful development of Joker & Bane. Once you review the attached materials herein, if you so choose to elect to support Permian as operator of Joker & Bane you may sign below in the indicated space and return a copy of it using the enclosed return envelope.

We look forward to taking the necessary steps forward to developing these projects in a meaningful manner and having any open conversations with you as seen fit. We appreciate the time and consideration taken into this, if you have any questions, please don't hesitate to reach out to the undersigned at travis.macha@permianres.com.

Respectfully,

Travis Macha Senior Landman

It is agreed and understood that the undersigned supports Permian Resources Operating, LLC as operator of the <u>Joker Project Area</u>:

Company Name (If Applicable):

CBR OIL PROPERTIES, LLC

Printed Name KELLY CANNING, MANAGER

Date: JULY 9, 2023

It is agreed and understood that the undersigned supports Permian Resources Operating, LLC as operator of the Bane Project Area:

Company Name (If Applicable):

CBR OIL PROPERTIES, LLC.

Printed Name KELLY CANNING, MANAGER

Date: JULY 9, 2023



300 N. MARIENFELD STREET, SUITE 1000 MIDLAND, TX 79701

OFFICE 432.695.4222 FAX 432.695.4063

July 13, 2023

Northern Oil and Gas, Inc. 4350 Baker Rd., Suite 400 Minnetonka, MN 55343

RE: Joker Development

Township 20 South, Range 34 East, Lea Co., New Mexico

Sections 5 & 8

To Whom It May Concern,

The purpose of this letter is to allow Northern Oil and Gas, Inc. ("Northern") as an impacted working interest owner within the below referenced development the opportunity to make reference to its opinion on the development strategy.

WHEREAS, on February 17, 2023, Permian Resources Operating as operator for Read & Stevens, Inc. ("Permian") proposed a potash development area encompassing sections 5 & 8 of T20S-R34E (the "Joker" project). Permian subsequently sent formal Joker well proposals out in March subsequent to Cimarex Energy Company's ("Cimarex') filing for compulsory pooling on the Permian project area.

To provide a very brief summary of Permian's development

• <u>Joker</u>: Twenty-Four (24) wells proposed, including four (4) falling in the 3rd Bone Spring formation and four (4) in the Wolfcamp A formation.

WHEREAS, Northern owns working interests in both the Bone Spring and Wolfcamp formation that are not equal and would be impacted if a well permitted in one formation was draining hydrocarbons from the other formation.

WHEREAS, Northern may provide its opinion of the development of the hydrocarbons in the Joker unit, including Permian's plan to co-develop the 3rd Bone spring and Wolfcamp A formations together.

Respectfully,

Travis Macha Senior Landman

[Statement/Signature Page Follows]

The undersigned hereby acknowledges the importance of thoughtfully evaluating the codevelopment of the 3rd Bone Spring Formation along with the Wolfcamp XY in and around the vicinity of the referenced Joker unit and supports the scientific exploration of the two formations together, with consideration for the varying ownership interests in each formation.

Northern Oil and Gas, Inc.

By:

Printed Name: Andrew Voelker

Date: Land Manager



300 N. MARIENFELD STREET, SUITE 1000 MIDLAND, TX 79701

OFFICE 432.695.4222 **FAX** 432.695.4063

July 8, 2023

CLM Production Company P.O. Box 811 Roswell. NM 88202

RE: Joker & Bane Developments

Township 20 South, Range 34 East, Lea Co., New Mexico

Sections 4, 5, 8, & 9

To Whom It May Concern,

The purpose of this letter is to help bring a greater understanding and lessen any potential confusion surrounding the previously proposed developments in this area. As you may be aware Permian Resources Operating, LLC ("Permian") has recently closed the acquisition of Read & Stevens, Inc. and First Century Oil, Inc. effective February 16, 2023.

WHEREAS, on February 17, 2023, Permian proposed a twenty-four (24) well project within sections 4 & 9 of T20S-R34E (the "Bane" project) as well as a potash development area encompassing sections 5 & 8 of T20S-R34E (the "Joker" project). Permian subsequently sent formal Joker well proposals out in March subsequent to Cimarex Energy Company's ("Cimarex') filing for compulsory pooling on both Permian project areas.

To provide a brief update on the status of these projects to-date:

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- <u>Joker</u>: Cimarex, Joseph W, Foran, and MRC Permian have issued protest of Permian's potash development area proposal which is necessary to have in place for development by any party. Similarly, to Bane a contested hearing is scheduled at the NMOCD for July 20th, 2023.
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Attached herein to this letter is a synopsis of Permian's well preparation, development plans, informal thoughts, and intentions for speedy and thoughtful development of Joker & Bane. Once you review the attached materials herein, if you so choose to elect to support Permian as operator of Joker & Bane you may sign below in the indicated space and return a copy of it using the enclosed return envelope.

We look forward to taking the necessary steps forward to developing these projects in a meaningful manner and having any open conversations with you as seen fit. We appreciate the time and consideration taken into this, if you have any questions, please don't hesitate to reach out to the undersigned at travis.macha@permianres.com.

Respectfully, Travis Macha Senior Landman It is agreed and understood that the undersigned supports Permian Resources Operating, LLC as operator of the **Joker** Project Area: Company Name (If Applicable): CLM Production Company By: John C Maxey Printed Name: Date: 7/12/2023 It is agreed and understood that the undersigned supports Permian Resources Operating, LLC as operator of the **Bane** Project Area: Company Name (If Applicable): **CLM Production Company**

Printed Name:

Date:

John C Maxey

7/12/2023

We look forward to taking the necessary steps forward to developing these projects in a meaningful manner and having any open conversations with you as seen fit. We appreciate the time and consideration taken into this, if you have any questions, please don't hesitate to reach out to the undersigned at travis.macha@permianres.com.

Respectfully,

Travis Macha Senior Landman

It is agreed and understood that the undersigned supports Permian Resources Operating, LLC as operator of the <u>Joker Project Area</u>:

Company Name (If Applicable):

CLM Production Company

Printed Name:

John C Maxey

Date: 7/12/2023

It is agreed and understood that the undersigned supports Permian Resources Operating, LLC as operator of the <u>Bane</u> Project Area:

Company Name (If Applicable):

CLM Production Company

Printed Name

John C Maxey 7/12/2023

Date:



300 N. MARIENFELD STREET, SUITE 1000 MIDLAND, TX 79701

OFFICE 432.695.4222 FAX 432.695.4063

May 23, 2023

Diamond Star Production Company, LLC 5 A St., Suite 300 Ardmore, OK 73401

RE: Joker & Bane Developments

Township 20 South, Range 34 East, Lea Co., New Mexico

Sections 4, 5, 8, & 9

To Whom It May Concern,

The purpose of this letter is to help bring a greater understanding and lessen any potential confusion surrounding the previously proposed developments in this area. As you may be aware Permian Resources Operating, LLC ("Permian") has recently closed the acquisition of Read & Stevens, Inc. and First Century Oil, Inc. effective February 16, 2023.

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We look forward to taking the necessary steps forward to developing these projects in a meaningful manner and having any open conversations with you as seen fit. We appreciate the time and consideration taken into this, if you have any questions, please don't hesitate to reach out to the undersigned at travis.macha@permianres.com.

Respectfully,

Travis Macha Senior Landman

It is agreed and understood that the undersigned supports Permian Resources Operating, LLC as operator of the Joker Project Area:

Company Name (If Applicable):

By: JAmes

Printed Name:

It is agreed and understood that the undersigned supports Permian Resources Operating, LLC as operator of the Bane Project Area:

Company Name (If Applicable):

Disama Stre Producting lepen, LLC



300 N. MARIENFELD STREET, SUITE 1000 MIDLAND, TX 79701

OFFICE 432.695.4222 FAX 432.695.4063

May 23, 2023

Warren Associates P.O. Box 10400 Albuquerque, NM 87184

RE: Joker & Bane Developments

Township 20 South, Range 34 East, Lea Co., New Mexico

Sections 4, 5, 8, & 9

To Whom It May Concern,

The purpose of this letter is to help bring a greater understanding and lessen any potential confusion surrounding the previously proposed developments in this area. As you may be aware Permian Resources Operating, LLC ("Permian") has recently closed the acquisition of Read & Stevens, Inc. and First Century Oil, Inc. effective February 16, 2023.

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We look forward to taking the necessary steps forward to developing these projects in a meaningful manner and having any open conversations with you as seen fit. We appreciate the time and consideration taken into this, if you have any questions, please don't hesitate to reach out to the undersigned at travis macha@permianres.com.

Respectfully,

Travis Macha Senior Landman

It is agreed and understood that the undersigned supports Permian Resources Operating, LLC as operator of the <u>Joker</u> Project Area:

Company Name (If Applicable):

Warren Associates

Printed Name: John Mark Warren

Date: 7/7/23

It is agreed and understood that the undersigned supports Permian Resources Operating, LLC as operator of the <u>Bane</u> Project Area:

Company Name (If Applicable):

Bv:

Printed Name: John Mere

Date: 7/7/23

PERMIAN RESOURCES

300 N. MARIENFELD STREET, SUITE 1000 MIDLAND, TX 79701

OFFICE 432,695,4222 FAX 432.695.4063

May 23, 2023

Tierra Encantada, LLC P.O. Box 811 Roswell, NM 88202

Joker & Bane Developments

Township 20 South, Range 34 East, Lea Co., New Mexico.

Sections 4, 5, 8, & 9

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Respectfully,

Travis Macha Senior Landman

It is agreed and understood that the undersigned supports Permian Resources Operating, LLC as operator of the Joker Project Area:

Company Name (If Applicable):

Printed Nam

It is agreed and understood that the undersigned supports Permian Resources Operating, LLC as operator of the Bane Project Area:

Company Name (If Applicable):

18



300 N. MARIENFELD STREET, SUITE 1000 MIDLAND, TX 79701 OFFICE 432.695.4222 FAX 432.695.4063

June 1, 2023

Addressed to effected ORRI Owners

RE: Joker & Bane Developments

Township 20 South, Range 34 East, Lea Co., New Mexico

Sections 4, 5, 8, & 9

To Whom It May Concern,

The purpose of this letter is to help bring a greater understanding and lessen any potential confusion surrounding the previously proposed developments in this area. If you are receiving this letter, we show you to be a present owner of an overriding royalty interest within the respective project areas described below and could be substantially impacted by an operatorship decision entailed.

As you may be aware Permian Resources Operating, LLC ("Permian") has recently closed the acquisition of Read & Stevens, Inc. and First Century Oil, Inc. via public sale effective February 16, 2023.

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We look forward to taking the necessary steps forward to developing these projects in a meaningful manner and having any open conversations with you as seen fit. In the event you would like to explore a sale of your overriding royalty interest, please feel free to reach out and we will be happy to discuss further. We appreciate the time and consideration taken into this, if you have any questions, please don't hesitate to reach out to the undersigned at travis.macha@permianres.com.

Respectfully,

Travis Macha Senior Landman

It is agreed and understood that the undersigned supports Permian Resources Operating, LLC as operator of the <u>Joker Project Area</u> (Sections 5 & 8, T20S-R34E, Lea Co., NM):

Company Name (If Applicable):

Printed Name: More is E. Scheet 2

Date: 6-15-23

It is agreed and understood that the undersigned supports Permian Resources Operating, LLC as operator of the <u>Bane</u> Project Area (Sections 4 & 9, T20S-R34E, Lea Co., NM):

Company Name (If Applicable):

Printed Name:

Morris E. Schent

Date: 6-15-23



300 N. MARIENFELD STREET, SUITE 1000 MIDLAND, TX 79701

OFFICE 432.695.4222 FAX 432.695.4063

June 1, 2023

Addressed to effected ORRI Owners

RE: Joker & Bane Developments

Township 20 South, Range 34 East, Lea Co., New Mexico

Sections 4, 5, 8, & 9

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Respectfully,

Travis Macha Senior Landman

It is agreed and understood that the undersigned supports Permian Resources Operating, LLC as operator of the <u>Joker Project Area</u> (Sections 5 & 8, T20S-R34E, Lea Co., NM):

Company Name (If Applicable):

Nuevo Seis Limited Partnership

By: MM, Inc., its General Partner

By:

Printed Name: Morris E. Schertz, Vice President

Date: June 15, 2023

It is agreed and understood that the undersigned supports Permian Resources Operating, LLC as operator of the Bane Project Area (Sections 4 & 9, T20S-R34E, Lea Co., NM):

Company Name (If Applicable):

Nuevo Seis Limited Partnership

By: MM, Inc., its General Partner

By:

Printed Name: Morris E. Schertz, Vice President

Date: June 15, 2023



300 N. MARIENFELD STREET, SUITE 1000 MIDLAND, TX 79701 OFFICE 432.695.4222 FAX 432.695.4063

June 1, 2023

Addressed to effected ORRI Owners

RE: Joker & Bane Developments

Township 20 South, Range 34 East, Lea Co., New Mexico

Sections 4, 5, 8, & 9

To Whom It May Concern,

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Respectfully,

Travis Macha Senior Landman

It is agreed and understood that the undersigned supports Permian Resources Operating, LLC as operator of the <u>Joker Project Area</u> (Sections 5 & 8, T20S-R34E, Lea Co., NM):

Company Name (If Applicable):

Printed Name: JAKC, Dot SON - ICE Date: OG/29/23

It is agreed and understood that the undersigned supports Permian Resources Operating, LLC as operator of the <u>Bane</u> Project Area (Sections 4 & 9, T20S-R34E, Lea Co., NM):

Company Name (If Applicable):

Printed Name: JANC, DO SON-IC



300 N. MARIENFELD STREET, SUITE 1000 MIDLAND, TX 79701

OFFICE 432.695.4222 FAX 432.695.4063

June 1, 2023

Addressed to effected ORRI Owners

RE: Joker & Bane Developments

Township 20 South, Range 34 East, Lea Co., New Mexico

Sections 4, 5, 8, & 9

To Whom It May Concern,

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To provide a brief update on the status of these projects to-date:

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elect to support Permian as operator of Joker & Bane you may sign below in the indicated space and return a copy of it using the enclosed return envelope.

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Respectfully,

Travis Macha Senior Landman

It is agreed and understood that the undersigned supports Permian Resources Operating, LLC as operator of the <u>Joker</u> Project Area (Sections 5 & 8, T20S-R34E, Lea Co., NM):

Company Name (If Applicable):

By: Michael Moylett

Printed Namel Lighae | Moylett

Date: 6/6/23

It is agreed and understood that the undersigned supports Permian Resources Operating, LLC as operator of the <u>Bane</u> Project Area (Sections 4 & 9, T20S-R34E, Lea Co., NM):

Company Name (If Applicable):

Printed Name Michael May lett Date 6/6/23



300 N. MARIENFELD STREET, SUITE 1000 MIDLAND, TX 79701 OFFICE 432.695.4222 FAX 432.695.4063

June 1, 2023

Addressed to effected ORRI Owners

RE: Joker & Bane Developments

Township 20 South, Range 34 East, Lea Co., New Mexico

Sections 4, 5, 8, & 9

To Whom It May Concern,

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Company Name (If Applicable):	
By: <u>Seleen Grooms</u> Printed Name: <u>Eileen Grooms</u> Date: <u>6/2/2623</u>	
It is agreed and understood that the undersigned supports Permian Resources Operation as operator of the <u>Bane</u> Project Area (Sections 4 & 9, T20S-R34E, Lea Co., NM):	g, LLC
Company Name (If Applicable):	
By:	
Printed Name:	

Date:



300 N. MARIENFELD STREET, SUITE 1000 MIDLAND, TX 79701 OFFICE 432.695.4222 FAX 432.695.4063

June 1, 2023

Addressed to effected ORRI Owners

RE: Joker & Bane Developments

Township 20 South, Range 34 East, Lea Co., New Mexico

Sections 4, 5, 8, & 9

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Company Name (If Applicable):

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Company Name (If Applicable):



300 N. MARIENFELD STREET, SUITE 1000 MIDLAND, TX 79701

OFFICE 432.695.4222 FAX 432.695.4063

June 1, 2023

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Company Name (if Applicable).

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300 N. MARIENFELD STREET, SUITE 1000 MIDLAND, TX 79701 OFFICE 432,695,4222 FAX 432,695,4063

June 1, 2023

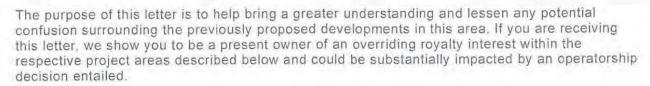
Addressed to effected ORRI Owners

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Respectfully.

Travis Macha

Senior Landman

It is agreed and understood that the undersigned supports Permian Resources Operating, LLC as operator of the Joker Project Area (Sections 5 & 8, T20S-R34E, Lea Co., NM):

Company Name (If Applicable):

By: J. Pat Printed Name:

It is agreed and understood that the undersigned supports Permian Resources Operating, LLC as operator of the Bane Project Area (Sections 4 & 9, T20S-R34E, Lea Co., NM):

Company Name (If Applicable):

Printed Name:

Date:



300 N. MARIENFELD STREET, SUITE 1000 MIDLAND, TX 79701 OFFICE 432.695.4222 FAX 432.695.4063

June 1, 2023

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RE: Joker & Bane Developments

Township 20 South, Range 34 East, Lea Co., New Mexico

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Company Name (If Applicable):

By: HAD

Printed Name: CHAO RAPOE

Date: 1-7-25

It is agreed and understood that the undersigned supports Permian Resources Operating, LLC as operator of the **Bane** Project Area (Sections 4 & 9, T20S-R34E, Lea Co., NM):

Company Name (If Applicable):

Ву:

Printed Name: CHAD BARK

Date: (-7-23



300 N. MARIENFELD STREET, SUITE 1000 MIDLAND, TX 79701 OFFICE 432.695.4222 FAX 432.695.4063

RECEIVED JUN 0 7 2023

June 1, 2023

Addressed to effected ORRI Owners

RE: Joker & Bane Developments

Township 20 South, Range 34 East, Lea Co., New Mexico

Sections 4, 5, 8, & 9

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Company Name (If Applicable).

Slayton Investments, LLC

By: Saul Slayto

Printed Name: Paul Slayton
Date: 06-07-2023

It is agreed and understood that the undersigned supports Permian Resources Operating, LLC as operator of the <u>Bane</u> Project Area (Sections 4 & 9, T20S-R34E, Lea Co., NM):

Company Name (If Applicable):

Slayton Investments, LLC

Printed Name: Paul Slayton

Date: 06-07-2023



300 N. MARIENFELD STREET, SUITE 1000 MIDLAND, TX 79701

OFFICE 432,695,4222 FAX 432.695.4063

May 23, 2023

Tierra Encantada, LLC P.O. Box 811 Roswell, NM 88202

Joker & Bane Developments

Township 20 South, Range 34 East, Lea Co., New Mexico.

Sections 4, 5, 8, & 9

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Attached herein to this letter is a synopsis of Permian's well preparation, development plans, informal thoughts, and intentions for speedy and thoughtful development of Joker & Bane, Once you review the attached materials herein, if you so choose to elect to support Permian as operator of Joker & Bane you may sign below in the indicated space and return a copy of it using the enclosed return envelope.

Page 319 of 484 Received by OCD: 7/14/2023 12026:35 PM No. 1603

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Company Name (If Applicable):

It is agreed and understood that the undersigned supports Permian Resources Operating, LLC as operator of the Bane Project Area:

Company Name (If Applicable):

Printed Nam

Rubie Crosby Bell Family LLC P. O. Box 24591 New Orleans, LA 70184-4591 Phone: (504) 427-6868 E-mail: taxman213@aol.com

June 14, 2023

Permian Resources Attn: Kathryn Hanson 300 N Marienfeld St., Suite 1000 Midland, TX 79701

Dear Ms. Hanson:

Re: Joker and Bane Developments Township 20S, Range 34E, Sections 4, 5, 8 and 9 Lea County, New Mexico

Thank you very much for the certified mail letter dated 6/1/2023 sent by Travis Macha, Senior Landman. I have completed the letter and I enclose the completed letter regarding the Joker area and the Bane area. Both were signed by me in my official capacity as the Managing Member of the Rubie Crosby Bell Family LLC (RCB FLLC).

The RCB FLLC agrees, understands and supports the proposition that Permian Resources Operating Company, LLC should be the operator in the Joker area and the Bane area.

I received the letter on Friday, 6/9/2023. I understand the circumstances in which Permian Resources recently closed the acquisition of Read and Stevens in a public sale effective 2/16/2023. I also understand that this letter was sent because the RCB FLLC is the current owner of an overriding royalty interest within the respective project areas (T20S, R34E, Sections 4, 5, 8 and 9 in Lea County). Based on the time and funds that Permian has expended, we believe that Permian is the better operator for this potential project.

I do have one request - you will note that the letter enclosed was addressed to the "Rubie Crosby Bell Family LP #1". Please note that the LP was converted in May of 2013 (over 10 years ago) into the Rubie Crosby Bell Family LLC and the conversion was recorded in the Lea County, NM clerk's records. Please make the appropriate change in your database. Please also note that the RCB FLLC is also on your records as owner #17589 as it is the current payee on various wells. If additional documentation is needed, please feel free to contact me.

Yours very truly,

famin, CAA-Frank Robert Janusa, CPA

Managing Member

FRJ/ddl Encl.

Ptrshp 2023: RCB FLLC Permian R&S takeover, Joker & Bane

Street Address: 211 20th Street, New Orleans, LA 70124-1235



300 N. MARIENFELD STREET, SUITE 1000 MIDLAND, TX 79701 OFFICE 432.695.4222 FAX 432.695.4063

June 1, 2023

Addressed to effected ORRI Owners

RE:

Joker & Bane Developments
Township 20 South, Range 34 East, Lea Co. New Mexico.

Township 20 South, Range 34 East, Lea Co. New Mexico

Sections 4, 5, 8, 8, 9

To Whom It May Concern,





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Respectfully.

Travis Macha Senior Landman

It is agreed and understood that the undersigned supports Permian Resources Operating, LLC as operator of the Joker Project Area (Sections 5 & 8, T20S-R34E, Lea Co., NM):

Company Name (If Applicable):

Rubie Crosby Bell Family LLC	
By: Mullim Hold Managing Member Printed Name: Frank Robert Janusa, CPA/Managing Member	
Printed Name: Frank Robert Janusa, CPA/Managing Member Date:	
**************************************	***
It is agreed and understood that the undersigned supports Permian Resources Operating as operator of the Bane Project Area (Sections 4 & 9, T20S-R34F, Lea Co., NM):	, LL(

Company Name (If Applicable):

Rubie Crosby Bell Family LLC

Janusa, CPA/Managing member Printed Name Frank

Date:



300 N. MARIENFELD STREET, SUITE 1000 MIDLAND, TX 79701 OFFICE 432,695,4222 FAX 432,695,4063

June 1, 2023

Addressed to effected ORRI Owners

RE: Joker & Bane Developments

Township 20 South, Range 34 East, Lea Co., New Mexico

Sections 4, 5, 8, & 9

To Whom It May Concern,

The purpose of this letter is to help bring a greater understanding and lessen any potential confusion surrounding the previously proposed developments in this area. If you are receiving this letter, we show you to be a present owner of an overriding royalty interest within the respective project areas described below and could be substantially impacted by an operatorship decision entailed.

As you may be aware Permian Resources Operating, LLC ("Permian") has recently closed the acquisition of Read & Stevens, Inc. and First Century Oil, Inc. via public sale effective February 16, 2023.

WHEREAS, on February 17, 2023, Permian proposed a twenty-four (24) well project within sections 4 & 9 of T20S-R34E (the "Bane" project) as well as a potash development area encompassing sections 5 & 8 of T20S-R34E (the "Joker" project). Permian later sent formal Joker well proposals out in March subsequent to Cimarex Energy Company's ("Cimarex") filing for compulsory pooling on both Permian project areas utilizing well proposals it had sent in August of 2022.

To provide a brief update on the status of these projects to-date:

- Bane: Contested hearing at the New Mexico Oil Conservation Division ("NMOCD") between Permian and Cimarex presently scheduled for July 20th, 2023.
- Joker: Cimarex, Joseph W, Foran, and MRC Permian have issued protest of Permian's potash development area proposal which is necessary to have in place for development by any party. Similarly, to Bane a contested hearing is scheduled at the NMOCD for July 20th, 2023.
- Applications for Permits to Drill ("APDs"): Permian has conducted on sites with the Bureau of Land Management on both Joker and Bane, has fully prepared C-102s, and is ready to file APDs. Permian is presently prevented by NMOCD & BLM rule and is refraining from filing these due to the contests.

elect to support Permian as operator of Joker & Bane you may sign below in the indicated space and return a copy of it using the enclosed return envelope.

We look forward to taking the necessary steps forward to developing these projects in a meaningful manner and having any open conversations with you as seen fit. In the event you would like to explore a sale of your overriding royalty interest, please feel free to reach out and we will be happy to discuss further. We appreciate the time and consideration taken into this, if you have any questions, please don't hesitate to reach out to the undersigned at travis, macha@permianres.com.

Respectfully,

Travis Macha Senior Landman

It is agreed and understood that the undersigned supports Permian Resources Operating, LLC as operator of the <u>Joker Project Area</u> (Sections 5 & 8, T20S-R34E, Lea Co., NM):

Company Name (if Applicable):

POST GAY CROUD IV-B

Printed Name: PHILIP DAVIDSON

Date: 6/16/7>73

It is agreed and understood that the undersigned supports Permian Resources Operating, LLC as operator of the <u>Bane</u> Project Area (Sections 4 & 9, T20S-R34E, Lea Co., NM):

Company Name (If Applicable):

POST DAK CROWN 1U-B

Printed Name: Printed DAU: 8500

Date: 6/16/2273

FXHIBIT C-13



300 N. MARIENFELD STREET, SUITE 1000 MIDLAND, TX 79701

OFFICE 432.695.4222 FAX 432.695.4063

June 1, 2023

Addressed to effected ORRI Owners

RE: Joker & Bane Developments

Township 20 South, Range 34 East, Lea Co., New Mexico

Sections 4, 5, 8, & 9

To Whom It May Concern,

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While formal thoughts on development and timing are not included in this letter for confidentiality purposes, it is Permian's intention for speedy and thoughtful development of Joker & Bane. Permian has spent substantial time and resources to understand the nature of the rock in these projects and is presently conducting spacing tests and gathering pilot hole data in the adjacent Batman development in addition to having obtained seismic over the entire area. If you choose to

EXHIBIT C-13

elect to support Permian as operator of Joker & Bane you may sign below in the indicated space and return a copy of it using the enclosed return envelope.

We look forward to taking the necessary steps forward to developing these projects in a meaningful manner and having any open conversations with you as seen fit. In the event you would like to explore a sale of your overriding royalty interest, please feel free to reach out and we will be happy to discuss further. We appreciate the time and consideration taken into this, if you have any questions, please don't hesitate to reach out to the undersigned at travis.macha@permianres.com.

Respectfully,

Travis Macha Senior Landman

It is agreed and understood that the undersigned supports Permian Resources Operating, LLC as operator of the <u>Joker Project Area (Sections 5 & 8, T20S-R34E, Lea Co., NM)</u>:

Company Name (If Applicable):

POST PAK CROWN IV

Printed Name: Phup DAVIDSON

Date: 6/6/2023

It is agreed and understood that the undersigned supports Permian Resources Operating, LLC as operator of the <u>Bane</u> Project Area (Sections 4 & 9, T20S-R34E, Lea Co., NM):

Company Name (If Applicable):

Printed Name: PHILLE DAVIDSON

OST DAK CESUN IV

Date: 6/16/2023

FXHIBIT C-13



300 N. MARIENFELD STREET, SUITE 1000 MIDLAND, TX 79701 OFFICE 432.695.4222 FAX 432.695.4063

June 1, 2023

Addressed to effected ORRI Owners

, 6 8 77H 5053

RE:

Joker & Bane Developments
Township 20 South, Range 34 East, Lea Co., New Mexico
Sections 4, 5, 8, & 9

To Whom It May Concern,

The purpose of this letter is to help bring a greater understanding and lessen any potential confusion surrounding the previously proposed developments in this area. If you are receiving this letter, we show you to be a present owner of an overriding royalty interest within the respective project areas described below and could be substantially impacted by an operatorship decision entailed.

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EXHIBIT C-13

elect to support Permian as operator of Joker & Bane you may sign below in the indicated space and return a copy of it using the enclosed return envelope.

We look forward to taking the necessary steps forward to developing these projects in a meaningful manner and having any open conversations with you as seen fit. In the event you would like to explore a sale of your overriding royalty interest, please feel free to reach out and we will be happy to discuss further. We appreciate the time and consideration taken into this, if you have any questions, please don't hesitate to reach out to the undersigned at travis.macha@permianres.com.

Respectfully,

Travis Macha Senior Landman

It is agreed and understood that the undersigned supports Permian Resources Operating, LLC as operator of the <u>Joker Project Area</u> (Sections 5 & 8, T20S-R34E, Lea Co., NM):

Company Name (If Applicable):

Penroc oil Corporation

By: Merchant Merchant

Date: June 6, 2023

It is agreed and understood that the undersigned supports Permian Resources Operating, LLC as operator of the <u>Bane</u> Project Area (Sections 4 & 9, T20S-R34E, Lea Co., NM):

Company Name (If Applicable):

envoc Oil Corporas

Date: June 6, 2023

PENASCO PETROLEUM, LLC.

MAY 31ST, 2023

Permian Resources 300 N. Marienfeld Street, Suite. 1000 Midland, TX 79701

Re: Transfer Order/Joker & Bane Developments

Greetings,

We received the enclosed Joker & Bane Developments Letter-Operator Approval. Be advised that Madison M. Hinkle and Susan M. Hinkle, Individually and as husband and wife executed a Blanket Conveyance dated 2/1/2020 and filed in 2162.256, Lea County, New Mexico.

Please draw up a Transfer Order for completion by Penasco Petroleum, LLC.

Also, please update that mailing address and contact information.

Old Address:

P.O. Box 2292

Roswell, NM 88202

New Address:

P.O. Box 4168

Roswell, NM 88202

Contact Information

-Email: penasco41680

-Office No. 575.208.1990

Should you have any questions regarding any of the above, please do not hesitate to contact me at the phone number or email below.

Best Regards,

Jarrod Duran

Petroleum Landman

Penasco Petroleum, LLC.

575.489.8707

jarrodduran29@gmail.com

By: Susan M. Hinkle

President-Managing Member

FXHIBIT C-13



300 N. MARIENFELD STREET, SUITE 1000 MIDLAND, TX 79701 OFFICE 432.695.4222 FAX 432.695.4063

June 1, 2023

Addressed to effected ORRI Owners

RE: Joker & Bane Developments

Township 20 South, Range 34 East, Lea Co., New Mexico

Sections 4, 5, 8, & 9

To Whom It May Concern,

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FXHIBIT C-13

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Respectfully,

Travis Macha Senior Landman

It is agreed and understood that the undersigned supports Permian Resources Operating, LLC as operator of the Joker Project Area (Sections 5 & 8, T20S-R34E, Lea Co., NM):

Company Name (If Applicable):

PETROLEUM, LL

BY: SUSAN M. HENKLE PRESIDENT-MEMBER

Date: 2023

It is agreed and understood that the undersigned supports Permian Resources Operating, LLC as operator of the Bane Project Area (Sections 4 & 9, T20S-R34E, Lea Co., NM):

Company Name (If Applicable):

HINKLE Printed Name: 202 Date:

Area Overview

EXHIBIT C-14

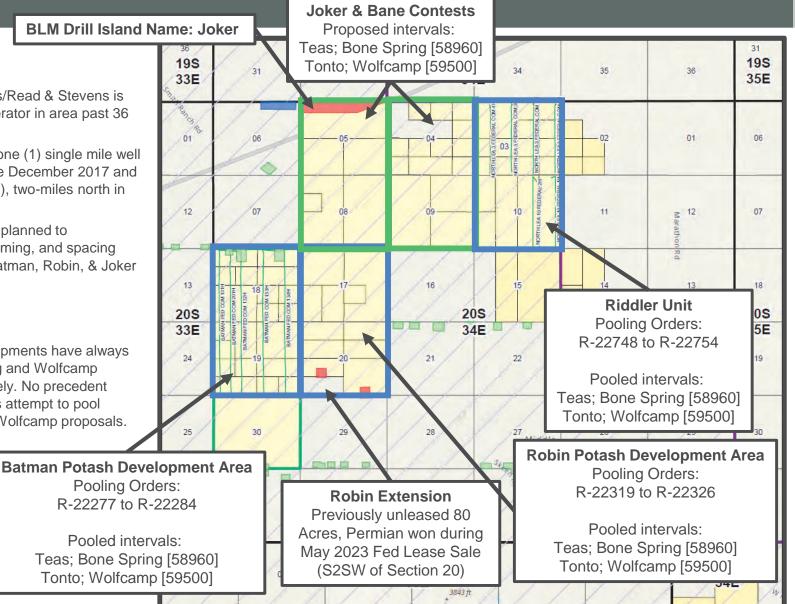


• Geographical Notes:

- Permian Resources/Read & Stevens is the most active operator in area past 36 months.
- Cimarex has spud one (1) single mile well in T20S-R34E since December 2017 and an additional two (2), two-miles north in T19S-R34E.
- Joker & Bane units planned to synchronize data, timing, and spacing with surrounding Batman, Robin, & Joker Units.

Pool Notes:

 Surrounding developments have always pooled Bone Spring and Wolfcamp formations separately. No precedent exists for Cimarex's attempt to pool Wolfcamp with no Wolfcamp proposals.



STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT OIL CONSERVATION DIVISION

APPLICATIONS OF CIMAREX ENERGY CO. FOR A HORIZONTAL SPACING UNIT AND COMPULSORY POOLING, LEA COUNTY, NEW MEXICO

CASE NOS. 23448-23455

APPLICATIONS OF CIMAREX ENERGY CO. FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO

CASE NOS. 23594-23601

APPLICATIONS OF READ & STEVENS, INC. FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO.

CASE NOS. 23508-23523

SELF-AFFIRMED STATEMENT OF DAVRO CLEMENTS

- My name is Davro Clements. I work for Permian Resources Operating, LLC ("Permian") as a Senior Facilities Engineer.
- 2. I have not previously testified before the New Mexico Oil Conservation Division ("Division") as an expert witness in oil and gas facilities engineering. I have included a copy of my resume as **Read and Stevens Exhibit D-1** for the Division to review and respectfully request that my credentials be accepted as a matter of record and that I be tendered as an expert in oil and gas facilities engineering.
- I am familiar with the applications filed by Read & Stevens, Inc. ("Read & Stevens") in these cases and Permian's surface facilities and management plans.
- 4. **Read & Stevens Exhibit D-2** is a facilities overview with a plat showing Permian's proposed Bane and Joker planned facilities, depicting the location of flow lines, well pads, and alternative locations for the project's central tank batteries ("CTB") in the subject area.

Page 334 of 484

5. Permian's plan has been thoughtfully coordinated and on-site approved with the Bureau of Land Management ("BLM") to achieve minimal surface disturbance. Permian met with BLM and the Center of Excellence ("CEHMM") on location to coordinate use of existing roads and right-of-way corridors, and to prioritize the location of well pads and facility pads in open, flat areas to avoid disturbance of critical sand dune wildlife habitat for the Dunes Sagebrush Lizard ("DSL"). In coordination with BLM and CEHMM, Permian adjusted planned flowlines to match existing roads to reduce surface impacts and disturbance. Additionally, Permian plans to commingle all production from each project area at one of two potential CTB locations. Permian uses a compact construction design for its CTB with the ability to expand as needed, rather than having to build separate additional facilities.

6. **Read & Stevens Exhibit D-3** is an operations and environmental overview with a Permian CTB pictured, similar to what is planned for use at the Bane and Joker project area. The overview provides a breakdown of some of the features Permian plans at each CTB, which include the following:

WATER RECYCLING

7. Permian has a proven history of recycling produced water for reuse and plans to continue to do so as part of its full development for this project area. To date, approximately 75% of Permian's water use in its New Mexico operations is recycled water, about 54% of Permian's water use across its assets is recycled water, and, in its neighboring Batman Unit, 46% of the water used in its fracs was recycled water. It is important to note that freshwater used for Permian drilling

¹ The United States Fish and Wildlife Service ("USFWS") recently proposed listing the DSL under the Endangered Species Act ("ESA"). *See* Endangered and Threatened Wildlife and Plants; Endangered Species Status for the Dunes Sagebrush Lizard, 88 Fed. Reg. 42661 (proposed July 3, 2023) (to be codified at 50 C.F.R. pt. 17).

and frac operations is less than 1% to date (<1,000 ppm of chlorides), and the remaining water required, other than recycled water, comes from non-potable water. Further, Permian intends to permit and build a produced water re-use pit just a few miles southwest that will be used to support frac operations for full development of the Joker and Bane project area, as well as neighboring Topaz, Batman, and Robin Units.

CTB DESIGN

- 8. <u>Well Testing:</u> Each Bane and Joker well will have a dedicated test vessel, that will monitor well production 24/7, providing optimal well test performance numbers.
- 9. <u>Separation:</u> Permian plans to utilize a four-stage separation process to maximize retention of hydrocarbon production. As previously discussed, Permian's facility design allows its CTBs to be easily expanded, as needed, through a bolt-on expansion for full-scale development, while minimizing its footprint.
- 10. Environmental: Permian's CTB design has incorporated various environmental considerations. Each CTB has a containment system with a non-permeable liner, aluminum panel edging that is bolted together, and a sprayed-on sealant to protect soil and groundwater against inadvertent leaks and spills. Permian uses a vapor recovery system with innovative technology that includes 24/7 tank pressure monitoring that uses automatic gas blanketing to maintain positive pressure in the tanks and prevent oxygen intrusion. This gas blanketing system prevents oxygen from getting into gas gathering pipelines, which would otherwise result in shut-ins based on offspec gas. Also, Permian's Tank Vapor Control System is operable up to 40 ounces per square inch (osi), which allows for a greater operating window and improved flexibility managing pressure swings in storage tanks; thus, limiting the risk of inadvertent venting and reducing waste. Permian also plans to use pipelines to move oil and produced water from its facilities. This means no trucks

hauling produced water and oil, minimizing truck traffic and substantially diminishing the risk of spills and accidents. Lastly, Permian will use air supplied pneumatic devices throughout its Bane and Joker facilities to help eliminate methane emissions.

11. **Read & Stevens Exhibit D-4** is an expanded infrastructure overview of the Joker and Bane facilities with a plat showing Permian's existing water gathering system and gas sales points for the Bane and Joker project. The exhibit is explained as follows:

WATER DISPOSAL

12. The solid blue line, running east to west, from the Batman CTB to the Whitten SWD (owned and operated by Permian) is part of Permian's \$2.5 million water gathering system to support the project area, which would include the Topaz, Batman, Robin, Joker, Bane and Riddler Units. The blue dashed line indicates Permian's plans for looping in the Bane and Joker Units as part of this full-scale development plan. As indicated on the plat, Permian would have multiple take-away points for saltwater disposal.

OIL & GAS SALES

- 13. Permian is currently in discussions with multiple companies on takeaway capacity and tie-in capability. As part of its prudent operatorship, Permian plans to secure options for takeaway to add redundancy and increase reliability.
- 14. **Read & Stevens Exhibit D-5** is an overview and plat addressing the Dunes Sagebrush Lizard and Permian's proactive planning to meet conservation goals. As indicated by the plat, the subject area falls within lizard habitat. As such, Permian has already entered into a Candidate Conservation Agreement ("CAA") with CEHMM, the BLM, and New Mexico State Land Office, that requires Permian to take measures to preserve and protect project areas as it prudently develops its acreage, including avoiding lizard habitat, forgoing use of herbicides on

shinnery oak, monitoring for H₂S and preparing contingency plans, and making annual conservation payments that go toward habitat conservation, restoration, reclamation, and protection.

CONCLUSION

- 15. Permian's surface use and management plan minimizes surface disturbance and impacts, reduces waste, protects soils and groundwater from spills and contamination, and are protective of the environment. Moreover, Permian's plans are integrated and demonstrate a comprehensive planning approach across multiple projects in the area, *i.e.*, Topaz, Batman, Robin, Joker, Bane and Riddler, that will limit waste and unnecessary environmental impacts.
- 16. Read & Stevens Exhibits D-1 through D-5 were either prepared by me or compiled under my direction and supervision.
- 17. I affirm under penalty of perjury under the laws of the State of New Mexico that the foregoing statements are true and correct. I understand that this self-affirmed statement will be used as written testimony in these cases. This statement is made on the date next to my signature below.

ICO

7/13/2023

Dayro Clements

Date

Davro J. Clements

6015 Rio Grande Ave, Midland TX 79707 Cell: 985.722.0166 - Email: <u>Davro.Clements@permianres.com</u>

EDUCATION

Louisiana State University, Baton Rouge, LA

Bachelor of Science in Petroleum Engineering; August 2010 - May 2014 GPA: 3.93

University of Alberta, Edmonton, Alberta Canada

Bachelor of Commerce in International Business & Law; August 2004 - May 2008 GPA: 3.34

EXPERIENCE

Senior Facilities Engineer; May 2022-Present

Permian Resources; Midland, TX

- Design, plan, and execute the construction of central tank batteries for Texas and New Mexico production operations
- Design produced water and low/high pressure gas gathering systems
- Monitor and optimize vapor recovery systems, increasing company vapor recovery in 2023 by 7% in TX and 9% in New Mexico
- Interface with marketing team and midstream companies on project execution and operations

Water Resources Manager; September 2021 – May 2022

EOG Resources; Midland, TX

- Managed a team of 40 people including engineers, admin, techs, foreman and field personnel
- Managed a \$29MM indirect capital and \$93MM direct capital budgets
- Interfaced with divisional management teams and Houston executive team

Senior Water Resources Engineer; February 2020 – September 2021

EOG Resources; Midland, TX

- Implemented leak detection on all reuse water transfer lines
- Reduced reuse water spill intensity rate by 60%
- Developed automated transfer systems to reduce cost and increase safety
- Decreased operating cost by 23% YOY
- Permitted, designed and built produced water treatment facilities

Completions Engineer II; October 2017 – February 2020

EOG Resources; Gillette, WY/Denver, CO

- Write new well completion procedures including perforating and hydraulic fracturing design
- Optimize stimulation cost and production volumes
- Develop a real-time field operation monitoring system
- Supervise field consultants and evaluate completion operation techniques

Senior Production Engineer; January 2016 – October 2017

EOG Resources; Stanley, ND

- Wrote initial artificial lift installation and well workover procedures
- Analyzed well performance and implemented changes to increase oil recovery
- Worked with production foreman to reduce lease operating expenses (LOE)

Facilities Engineer I; June 2014 – January 2016

EOG Resources; Stanley, ND

- Served as a project manager for the construction of a new salt water disposal
- Designed new salt water disposals and optimized existing salt water disposal facilities
- Implemented new recording procedures to monitor injection pressures in order to prevent wellbore damage

Drilling Engineer Intern; May 2013-August 2013

EOG Resources; Calgary, AB Canada

- Reviewed a proposed infill well, crossing nine existing offsets, and recommended risk mitigation techniques
- Evaluated surface equipment rental expenditures for drilling and proposed cost-cutting measures to potentially save \$280,000 per year
- Gained field experience in Drumheller, AB by sitting on an exploratory well from pad construction through production

Completions Engineer Intern; May 2012-August 2012

EOG Resources; Calgary, AB Canada

- Developed a new completions AFE budget
- Attended targeting meetings and wrote perforation programs
- Gained field experience in Waskada, MB by watching perforating, hydraulic fracturing, and installation of production equipment

HONORS/ACTIVITIES

- Fundamentals of Engineering (FE) exam
- Golden Key International Honor Society
- SPE at Louisiana State University: Treasurer 2013-2014

JULY 20, 2023

Read & Stevens – Joker & Bane Federal Com

Joker – Sections 5 & 8, Township 20 South, Range 34 East, Lea Co., NM Bane - Sections 4 & 9, Township 20 South, Range 34 East, Lea Co., NM Case No.: 23508 through 23523



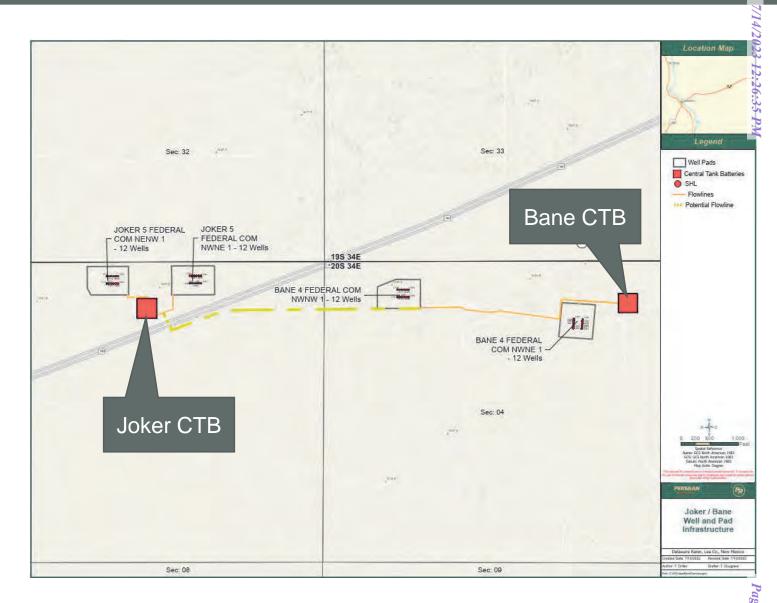
BEFORE THE OIL CONSERVATION DIVISION Santa Fe, New Mexico Exhibit No. D-2 Submitted by: Read & Stevens, Inc. Hearing Date: July 20, 2023

Case Nos. 23508-23523



Facilities Notes

- Plan to commingle all wells at one CTB
- Two CTB Locations have been staked & permitted for potential commingling considerations
- Joker CTB
 - 350' x 450' pad
- Bane CTB
 - 350' x 450' pad
- Both CTB pad locations and flowline routes have been on-site approved by the BLM
- Locations thoughtfully selected to avoid several CEHMM-identified habitats



Operations & Environmental Overview

BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Exhibit No. D-3
Submitted by: Read & Stevens, Inc.
Hearing Date: July 20, 2023
Case Nos. 23508-23523



Water Use & Recycling

Historical Usage

- 75% YTD recycled water utilization in NM
- 54% YTD recycled water utilization across all PR assets
- 46% recycled water utilized on Batman fracs
- 1% YTD freshwater utilization across all PR assets, the rest coming from recycled water and non-potable water
- PR intends to permit and build a produced water pit in Jewitt area to support frac operations for full development

CTB Design

Well Testing

- · Dedicated test vessels for every well
- No bulk/test or interpolated well production allocations

Separation

- Four stages of fluid separation
- Bolt-on expansion capability for full-scale development

Environmental

- · Full-facility containment for soil impact mitigation
- Oversized vapor recovery equipment
- Gas blanketing
- Tank Vapor Control System operable up to 40 osi
- No planned truck hauling to/from CTB
- Air-supplied pneumatic device operation



BEFORE THE OIL CONSERVATION DIVISION Santa Fe. New Mexico Exhibit No. D-4 Submitted by: Read & Stevens, Inc.

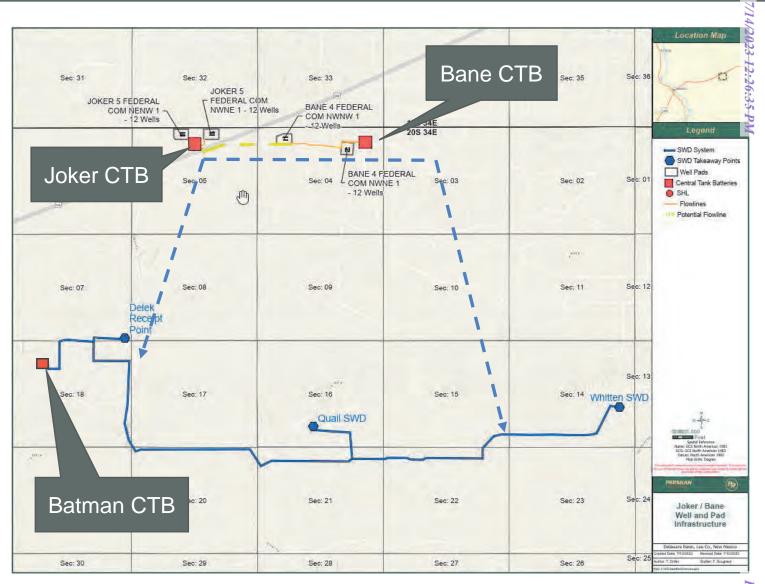
Hearing Date: July 20, 2023 Case Nos. 23508-23523

Water Disposal

- **Existing Infrastructure**
 - >6 miles of 12" gathering pipe
 - Connected to Delek, Fasken, and PR-operated Whitten **SWD**
 - PR plans to loop Joker and Bane facilities into existing gathering pipeline & pursue additional SWD takeaway options

Oil & Gas Sales

- **Purposefully undedicated**
 - PR is able to shop around for the best oil & gas terms & firm capacity in the area.
 - PR is in contact with several oil & gas midstream companies in the area
 - PR oil & gas infrastructure in place 2-miles to the south connected to Batman with spare capacity
 - PR seeking additional gas & oil takeaway options to add redundancy



age 344 of 484

Dunes Sagebrush Lizard Proactive Planning

BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Exhibit No. D-5
Submitted by: Read & Stevens, Inc.
Hearing Date: July 20, 2023
Case Nos. 23508-23523



Ongoing Conservation Effort:

- The U.S. Fish and Wildlife Service announced on June 30, 2023, that they are proposing to list the Dunes Sagebrush Lizard (DSL) as endangered under the Endangered Species Act
- DSL is a species of spiny lizard found exclusively in the shinnery oak dunelands and shrublands of the Mescalero and Monahan's Sandhills in southeastern New Mexico and west Texas.

• Permian Resources Proactivity:

- Permian has already entered into Candidate Conservation Agreements and has enrolled its acreage within the DSL habitat.
- As part of such Candidate
 Conservation Agreements,
 Permian Resources is currently
 taking all precautions to ensure
 that DSL habitat is not disturbed
 in connection with our drilling,
 completion, and production
 operations.



STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT OIL CONSERVATION DIVISION

APPLICATIONS OF CIMAREX ENERGY CO. FOR A HORIZONTAL SPACING UNIT AND COMPULSORY POOLING, LEA COUNTY, NEW MEXICO

CASE NOS. 23448-23455

APPLICATIONS OF CIMAREX ENERGY CO. FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO

CASE NOS. 23594-23601

APPLICATIONS OF READ & STEVENS, INC. FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO.

CASE NOS. 23508-23523

SELF-AFFIRMED STATEMENT OF IRA BRADFORD

- 1. My name is Ira Bradford. I work for Permian Resources Operating, LLC ("Permian") as a Geologist.
- 2. I have previously testified before the New Mexico Oil Conservation Division ("Division") as an expert witness in petroleum geology matters. My credentials as a petroleum geologist have been accepted by the Division and made a matter of record.
- 3. I am familiar with the applications filed by Read & Stevens, Inc. ("Read & Stevens") in these cases, and I have conducted a geologic study of the lands in the subject area. I am also familiar with the applications filed by Cimarex Energy Co. ("Cimarex") in competing Case Nos. 23448-23455 and 23594-23601 and related land matters.
- 4. Read & Stevens is targeting the Bone Spring formation in Case Nos. 23508-23511 and 23516-23519 and Wolfcamp formation in Case Nos. 23512-23515 and 23520-23523.

BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Exhibit No. E
Submitted by: Read & Stevens, Inc.
Hearing Date: July 20, 2023
Case Nos. 23508-23523

AREA DEVELOPMENT PLAN

- 5. **Read & Stevens Exhibit E-1** is a locator map. It shows Read & Stevens's acreage in yellow in the Delaware Basin, with the subject acreage for the proposed Bane and Joker project areas outlined in red. The map also outlines the potash area and the Capitan Reef.
- 6. Read & Stevens Exhibit E-2 shows Permian's 3D seismic coverage in the area outlined in red (covering 36 square miles), with the subject proposed spacing units highlighted in yellow with blue outline. A pilot hole in the neighboring Batman Unit is also depicted, from which we collected full log suites and sidewall cores to characterize existing targets and potential future targets, along with four Third Bone Spring Sand wells and a W/2 Wolfcamp A well. The W/2 of the Batman project area has a similar stacked and staggered spacing design (a "wine rack" pattern) in analogous geology and targets that Permian plans to incorporate across all its units in this area, including the Joker and Bane units that are the subject of this contested proceeding, the offsetting Riddler Unit to the east, and Batman Unit to the southwest.
- 7. The top of **Read & Stevens Exhibit E-3** depicts a gun barrel diagram showing Permian's proposed Bane and Joker Units, and the west half of its adjacent Riddler Unit, along with Matador Production Company's ("Matador") existing Verna Rae Unit. This diagram demonstrates that Permian's plan for this acreage is part of a comprehensive development plan that would co-develop the target zone spacing, including the Third Bone Spring and Upper Wolfcamp zones, across multiple offsetting units. This plan is based on the successful development test Permian conducted in the analogous and offsetting Batman Unit. That test evaluated co-developing the Third Bone Spring and Upper Wolfcamp zones in the W/2 of Sections 18 and 19. Results confirm that there is a substantial benefit to co-developing the Third Bone Spring and Upper Wolfcamp using a wine-rack pattern and simultaneous completions that results in

incremental recovery of reserves that would otherwise not be produced. Permian's plan will maintain optimal spacing and co-development across this acreage, including with respect to existing offsetting production in the Verna Rae and Riddler Units, which will prevent waste and maximize recovery across all this acreage. The bottom of the exhibit gives a brief overview of Permian's development plan and an overhead view of the above-described co-development.

- 8. On the left side of **Read & Stevens Exhibit E-4** are gross pay contour maps across the subject acreage for both the Third Bone Spring and Wolfcamp A target zones, calculated using 4% density porosity cutoffs. The warmer colors indicate higher gross pay. Cooler colors reflect lower gross pay. The existing Batman Unit, operated by Permian, is highlighted in blue along with the proposed Joker and Bane Units just to the northeast. A type log is indicated with a red star on the map and the relevant log depths are included in the center panel of the exhibit. Target intervals in the base of the Third Bone Spring Sand and the top of Wolfcamp A are indicated alongside the log with yellow arrows. The pay maps demonstrate that the targeted Third Bone Spring Sand and Wolfcamp A in the proposed Bane and Joker units are geologically analogous to the same zones in Permian's recently developed Batman Unit immediately to the southwest.
- 9. On the right side of **Read & Stevens Exhibit E-5** is a diagram showing a line of cross-section in black consisting of wells penetrating the Bone Spring formation that I used to construct a stratigraphic cross-section from A to A' across the Bane, Joker, and Batman Units. On the left-hand side of the exhibit is a stratigraphic cross-section I prepared displaying open-hole logs run over the Bone Spring from the representative wells denoted from A to A'. For each well in the cross-section, the exhibit shows the following logs: gamma ray, resistivity, and porosity. The depiction is flattened on the top of the Wolfcamp as between the Batman, Bane, and Joker Units, and shows that the targeted intervals within the Bone Spring and Wolfcamp formations

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across all three units are consistent and similar in thickness and quality. I consider these wells to be representative of the geology in the entire project area.

- Read & Stevens' proposed wine rack pattern spacing across the Bone Spring and Wolfcamp formations on the left compared to Cimarex's proposed vertically stacked development on the right. As noted, Read & Stevens' plan at maximum development would be 24 wells per section compared to Cimarex's plan of 12 wells per section. A number bar on the right side of each gun barrel blocks tallies the number of wells proposed for each zone.
- 11. **Read & Stevens Exhibit E-7** is a side-by-side gun barrel comparison of Permian and Cimarex's development plans, showing offset footages and other well-specific details. Permian's plan demonstrates that its spacing assumes maximum development of all prospective zones and optimizes drilling flexibility.

BANE UNIT BONE SPRING WELLS: CASE NOS. 23508-23511

- Read & Stevens Exhibit E-8 is a locator map that shows each of the Bane Bone Spring spacing units outlined and labeled in blue with the respective case numbers indicated. It also shows a line of cross-section in black consisting of wells penetrating the Bone Spring formation that I used to construct a stratigraphic cross-section from A to A'. I consider these wells to be representative of the geology in the area. Additionally, the diagram includes all offsetting horizontal wells in the area, color coded by landing zone.
- 13. **Read & Stevens Exhibit E-9** is a subsea structure map that I prepared for the interval within the First Bone Spring Sand formation ("FBSG"), with a contour interval of 50 feet. The structure map shows the FBSG gently dipping to the south. The four proposed Bane FBSG wells are shown, along with the known FBSG offsetting wells in the area. The FBSG structure

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appears consistent across the wellbore paths. I do not observe any faulting, pinchouts, or other geologic impediments in the proposed spacing units.

regie impediments in the proposed spacing units.

14. **Read & Stevens Exhibit E-10** is a subsea structure map that I prepared for the

interval within the Second Bone Spring Sand formation ("SBSG"), with a contour interval of 50

feet. The structure map shows the SBSG gently dipping to the south. The eight proposed Bane

SBSG wells are shown, along with the known SBSG offsetting wells in the area. The SBSG

structure appears consistent across the wellbore paths. I do not observe any faulting, pinchouts, or

other geologic impediments in the proposed spacing units.

15. Read & Stevens Exhibit E-11 is a subsea structure map that I prepared for the

interval within the Harkey formation, with a contour interval of 50 feet. The structure map shows

the Harkey gently dipping to the south. The four proposed Bane Harkey wells are shown, along

with the known Harkey offsetting wells in the area. The Harkey structure appears consistent across

the wellbore paths. I do not observe any faulting, pinchouts, or other geologic impediments in the

proposed spacing units.

16. Read & Stevens Exhibit E-12 is a subsea structure map that I prepared for the

interval within the Third Bone Spring Sand formation ("TBSG"), with a contour interval of 50

feet. The structure map shows the TBSG gently dipping to the south. The four proposed Bane

TBSG wells are shown, along with the known TBSG offsetting wells in the area. The TBSG

structure appears consistent across the wellbore paths. I do not observe any faulting, pinchouts, or

other geologic impediments in the proposed spacing units.

17. Read & Stevens Exhibit E-13 is a stratigraphic cross-section that I prepared

displaying open-hole logs run over the Bone Spring formation from the representative wells

denoted from A to A' in the previous exhibit. The cross-section is flattened on top of the Wolfcamp

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and runs north to south within the proposed project area. For each well in the cross-section, the exhibit shows the following logs: gamma ray, resistivity, and porosity. The targeted intervals in each of these cases is labeled and marked. The logs in the cross-section demonstrate that the targeted intervals are consistent and continuous across each proposed spacing unit.

Read & Stevens Exhibit E-14 is a gun barrel diagram for the proposed Bane Bone Spring wells and spacing units showing the preferred spacing and across the Bone Spring formation. The proposed wells in the diagram correspond to the type log to display the approximate target interval for each well. This diagram demonstrates that Permian's proposed development for the Bone Spring is a comprehensive development plan that incorporates all zones of potential in the area which will prevent waste and maximize recovery across all this acreage.

BANE UNIT WOLFCAMP WELLS: CASE NOS. 23512–23515

- Wolfcamp spacing units outlined and labeled in blue with the respective case numbers indicated. It also shows a line of cross-section in black consisting of wells penetrating the Wolfcamp formation that I used to construct a stratigraphic cross-section from A to A'. I consider these wells to be representative of the geology in the area. Additionally, the diagram includes all horizontal wells in the area that are also within the Wolfcamp formation.
- 20. **Read & Stevens Exhibit E-16** is a subsea structure map that I prepared for the interval within the Wolfcamp formation, with a contour interval of 50 feet. The structure map shows the Wolfcamp gently dipping to the south. The four proposed Wolfcamp wells are shown, along with the known Wolfcamp offsetting wells in the area. The Wolfcamp structure appears consistent across the wellbore paths. I do not observe any faulting, pinchouts, or other geologic impediments in the proposed spacing units.

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21. **Read & Stevens Exhibit E-17** is a stratigraphic cross-section that I prepared displaying open-hole logs run over the Wolfcamp formation from the representative wells denoted from A to A'. The cross-section is flattened on top of the Wolfcamp and runs north to south within the proposed project area. For each well in the cross-section, the exhibit shows the following logs: gamma ray, resistivity, and porosity. The targeted interval is labeled and marked. The logs in the cross-section demonstrate that the targeted interval is consistent and continuous across each proposed spacing unit.

22. **Read & Stevens Exhibit E-18** is a gun barrel diagram for the proposed Bane Wolfcamp wells and spacing units showing the preferred spacing and across the Wolfcamp formation. The proposed wells in the diagram correspond to the type log to display the approximate target interval for each well. This diagram demonstrates that Permian's proposed development for the Wolfcamp which will prevent waste and maximize recovery across all of this acreage.

JOKER UNIT BONE SPRING WELLS: CASE NOS. 23516–23519

- 23. **Read & Stevens Exhibit E-19** is a locator map that shows each of the Joker Bone Spring spacing units outlined and labeled in blue with the respective case numbers indicated. It also shows a line of cross-section in black consisting of wells penetrating the Bone Spring formation that I used to construct a stratigraphic cross-section from A to A'. I consider these wells to be representative of the geology in the area. Additionally, the diagram includes all offsetting horizontal wells in the area, color coded by landing zone.
- 24. **Read & Stevens Exhibit E-20** is a subsea structure map that I prepared for the interval within the FBSG, with a contour interval of 50 feet. The structure map shows the FBSG gently dipping to the south. The four proposed Joker FBSG wells are shown, along with the known FBSG offsetting wells in the area. The FBSG structure appears consistent across the wellbore

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paths. I do not observe any faulting, pinchouts, or other geologic impediments in the proposed

spacing units.

25. Read & Stevens Exhibit E-21 is a subsea structure map that I prepared for the

interval within the SBSG, with a contour interval of 50 feet. The structure map shows the SBSG

gently dipping to the south. The eight proposed Joker SBSG wells are shown, along with the known

SBSG offsetting wells in the area. The SBSG structure appears consistent across the wellbore

paths. I do not observe any faulting, pinchouts, or other geologic impediments in the proposed

spacing units.

26. Read & Stevens Exhibit E-22 is a subsea structure map that I prepared for the

interval within the Harkey formation, with a contour interval of 50 feet. The structure map shows

the Harkey gently dipping to the south. The four proposed Joker Harkey wells are shown, along

with the known Harkey offsetting wells in the area. The Harkey structure appears consistent across

the wellbore paths. I do not observe any faulting, pinchouts, or other geologic impediments in the

proposed spacing units.

27. Read & Stevens Exhibit E-23 is a subsea structure map that I prepared for the

interval within the TBSG, with a contour interval of 50 feet. The structure map shows the TBSG

gently dipping to the south. The four proposed Joker TBSG wells are shown, along with the known

TBSG offsetting wells in the area. The TBSG structure appears consistent across the wellbore

paths. I do not observe any faulting, pinchouts, or other geologic impediments in the proposed

spacing units.

28. Read & Stevens Exhibit E-24 is a stratigraphic cross-section that I prepared

displaying open-hole logs run over the Bone Spring formation from the representative wells

denoted from A to A'. The cross-section is flattened on top of the Wolfcamp and runs north to

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south within the project area. For each well in the cross-section, the exhibit shows the following logs: gamma ray, resistivity, and porosity. The targeted intervals in each of these cases is labeled and marked. The logs in the cross-section demonstrate that the intervals are consistent and continuous across each proposed spacing unit.

29. **Read & Stevens Exhibit E-25** is a gun barrel diagram for the proposed Joker Bone Spring wells and spacing units showing the preferred spacing and across the Bone Spring formation. The proposed wells in the diagram correspond to the type log to display the approximate target interval for each well. This diagram demonstrates that Permian's proposed development for the Bone Spring is a comprehensive development plan that incorporates all zones of potential in the area which will prevent waste and maximize recovery across all this acreage.

JOKER UNIT WOLFCAMP WELLS: CASE NOS. 23520–23523

- 30. **Read & Stevens Exhibit E-26** is a locator map that shows each of the Joker Wolfcamp spacing units outlined and labeled in blue with the respective case numbers indicated. It also shows a line of cross-section in black consisting of wells penetrating the Wolfcamp formation that I used to construct a stratigraphic cross-section from A to A'. I consider these wells to be representative of the geology in the area. Additionally, the diagram includes all offsetting horizontal wells in the area that are also within the Wolfcamp formation.
- 31. **Read & Stevens Exhibit E-27** is a subsea structure map that I prepared for the interval within the Wolfcamp formation, with a contour interval of 50 feet. The structure map shows the Wolfcamp gently dipping to the south. The four proposed Joker Wolfcamp wells are shown, along with the known Wolfcamp offsetting wells in the area. The Wolfcamp structure appears consistent across the wellbore paths. I do not observe any faulting, pinchouts, or other geologic impediments in the proposed spacing units.

- 32. **Read & Stevens Exhibit E-28** is a stratigraphic cross-section that I prepared displaying open-hole logs run over the Wolfcamp formation from the representative wells denoted from A to A'. The cross-section is flattened on top of the Wolfcamp and runs north to south within the project area. For each well in the cross-section, the exhibit shows the following logs: gamma ray, resistivity, and porosity. The targeted interval is labeled and marked. The logs in the cross-section demonstrate that the interval is consistent and continuous across the Wolfcamp formation.
- 33. **Read & Stevens Exhibit E-29** is a gun barrel diagram for the proposed Joker Wolfcamp wells and spacing units showing the preferred spacing and across the Wolfcamp formation. The proposed wells in the diagram correspond to the type log to display the approximate target interval for each well. This diagram demonstrates that Permian's proposed development for the Wolfcamp which will prevent waste and maximize recovery across all this acreage.

CONCLUSION

- 34. In my opinion, standup orientation of the proposed wells is the appropriate orientation for horizontal well development in this area and will efficiently and effectively develop the subject acreage.
- 35. Based on my geologic study, the Bone Spring and Wolfcamp formations underlying the subject area in each of the cases is suitable for development by horizontal wells and the acreage comprising the proposed spacing units will contribute more-or-less equally to the production from the wellbores. I have not identified any geologic impediments to drilling horizontal wells in the area of the spacing units proposed.
- 36. In my opinion, horizontal drilling will be the most efficient method to develop this acreage, to prevent the drilling of unnecessary wells, and to achieve the greatest ultimate recovery,

and that approving Read & Stevens' application will be in the best interest of conservation, the prevention of waste, and protection of correlative rights.

- 37. **Read & Stevens Exhibits E-1 through E-29** were either prepared by me or compiled under my direction and supervision.
- 38. I affirm under penalty of perjury under the laws of the State of New Mexico that the foregoing statements are true and correct. I understand that this self-affirmed statement will be used as written testimony in these cases. This statement is made on the date next to my signature below.

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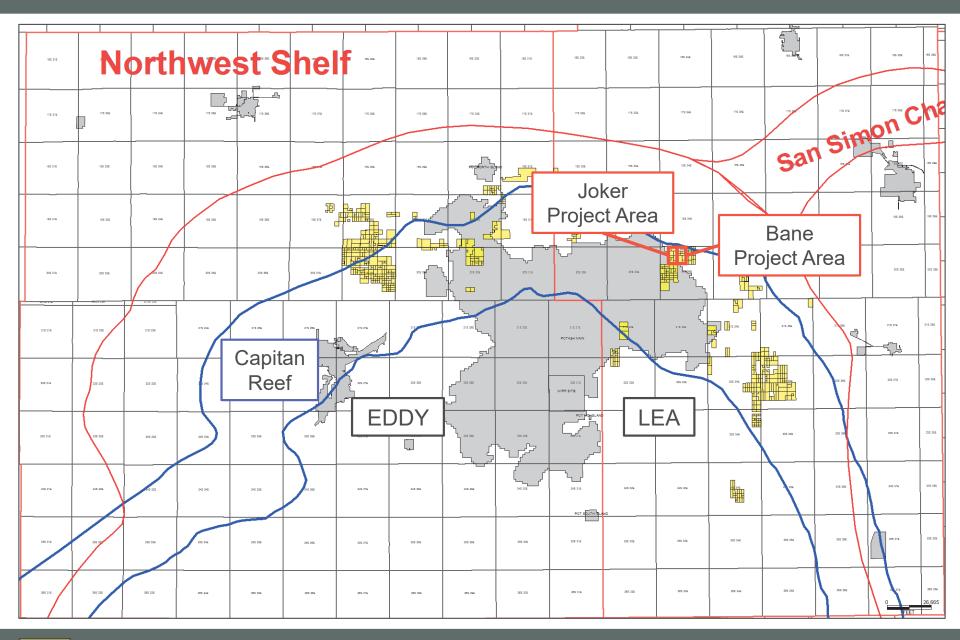
7/13/2023

Date

11



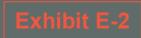
Regional Locator Map Joker 5-8 Fed Com, Bane 4-9 Fed Com



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Plan of Subsurface Development

Concentrated Subsurface Study Immediately Offset





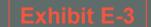
Permian Resources Acreage								
27	26	25	30	29	28	27	26	
34	35	36	31	32	33	34	35	
3	2	1	6	5 Joker	4 Bane	3 Riddler	2	
10	11	12	7	8	9	10	11	
20S	33E	13	1) Batman	17 Robin	16	20S	34E	
22	23	24	1)	20	21	22	23	
27	26	25	30	29	28	27	26	
34	35	36	31	32	33	34	35	
Batman Wells TBSG WFMP		6	6 5		Legend PR Seismic Coverage → Pilot Hole → Logs + Core			

Thoughtful Approach to Development

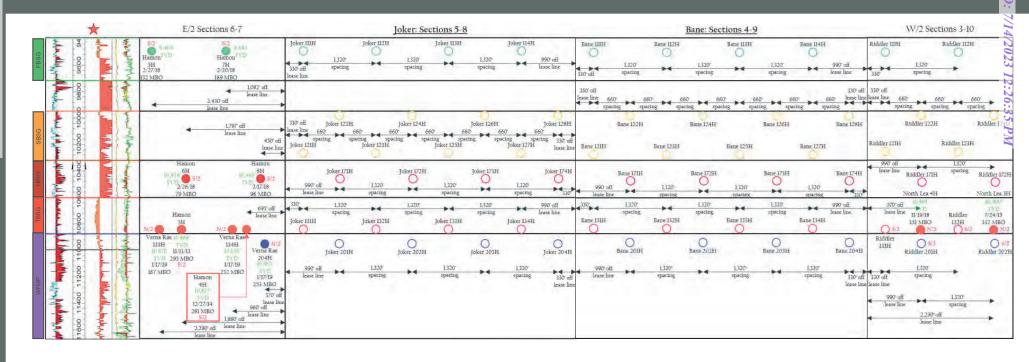
Permian Resources has devoted significant resources to evaluating, characterizing, and understanding the subsurface in the immediate area

- Purchased 36 square miles of 3D seismic covering not only PR's current owned acreage but also offset acreage to aid in fulsome subsurface understanding
- Drilled a pilot hole on the Batman 132H through the Penn Shale and collected full log suites and sidewall cores to characterize existing targets and potential future targets
- Pilot hole log data, core analysis, seismic and production data are being integrated for full subsurface characterization
- Co-developed 4 TBSG and 1 WFMP A in the Batman Unit with similar planned stack staggered spacing design to be incorporated across remaining PR units

Full Scale Development Plan Joker, Bane, Riddler

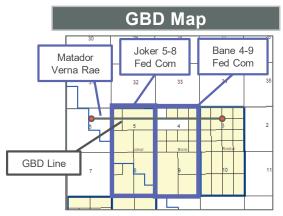




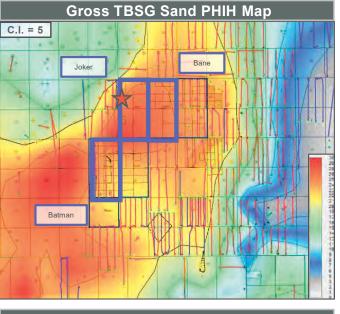


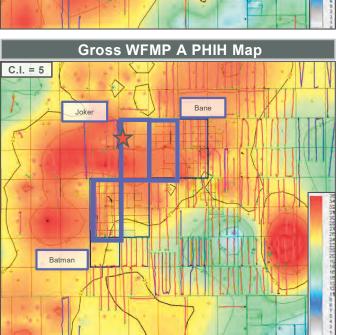
Development Plan

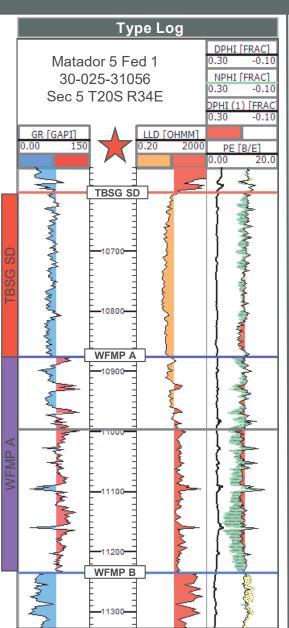
- PR's plan of development accounts for co-developed target zone spacing across multiple offsetting units
- Development plan expands upon the learnings from initial Batman Unit results of TBSG and WFMP A co-development, which are geologically analogous to the Joker and Bane units











Key Points

- TBSG PHIH Map
 - Calculated from the Top of Third Bone Spring Sand to the Top of Wolfcamp Assume Spring a greater than 4% Density

 Porosity Cutoff
 - Mapping shows that the TBSG in the Joker and Bane Unit's is analogous to recently co-developed PR Batman wells offset to the SW
- WFMP A PHIH Map
 - Calculated from the Top of Wolfcamp A to the Top of Wolfcamp B using a greater than 4% Density Porosity Cutoff
- Mapping shows that the WFMP A in the Joker and Bane Unit's is analogous to recently co-developed PR Batman wells offset to the SW



TBSG and WFMP A PHIH Map Cutoff: DPHI > 4%

Joker

Bane

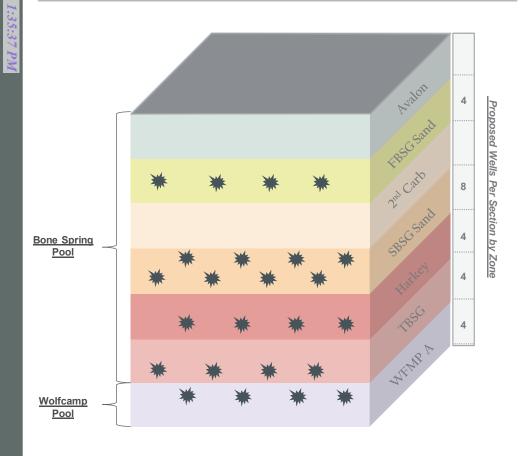
Batman



Illustrative Horizontal Spacing Unit Diagram

PR Joker/Bane Development

XEC Mighty Pheasant/Loosey Goosey Development



Bone Spring Pool

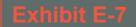
Bone Spring Pool

Wolfcamp Pool

PR Units 24 Wells per Section XEC Units
12 Wells per Section

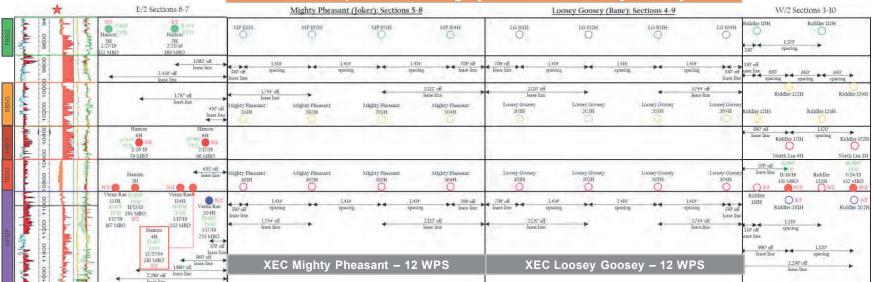
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PR vs Cimarex Proposed Development Comparison Detailed Gun Barrel Design







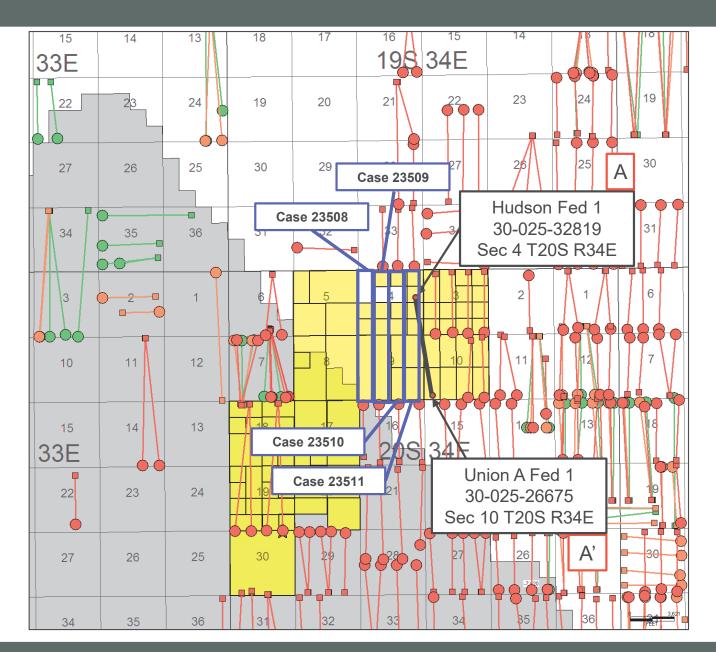




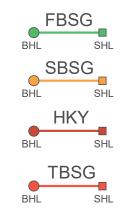
Cross-Section Locator Map Bane 4-9 Fed Com Bone Spring

Exhibit E-8





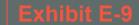
Producing Wells



Resources

Permian

First Bone Spring – Structure Map Bane 4-9 Fed Com 111H, 112H, 113H and 114H





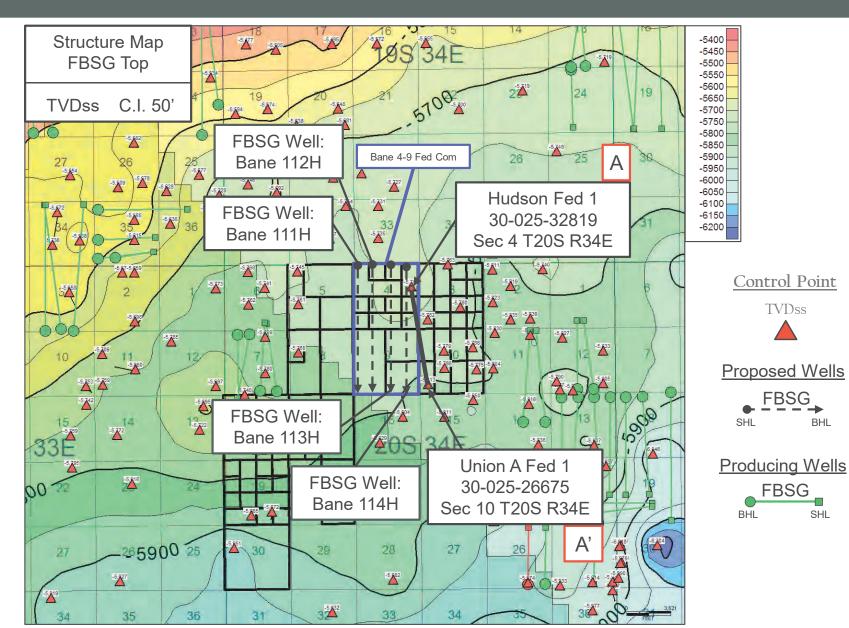
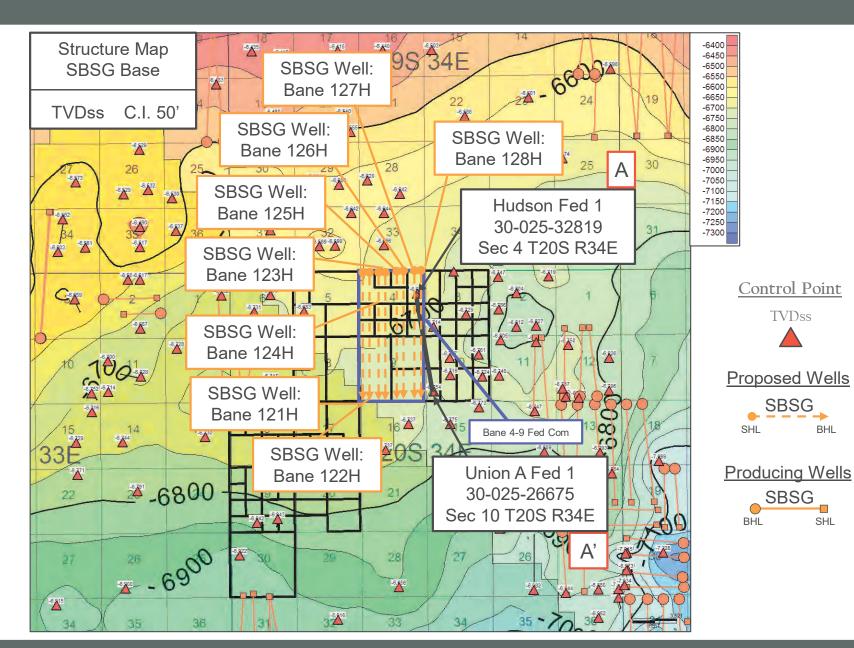


Exhibit E-10



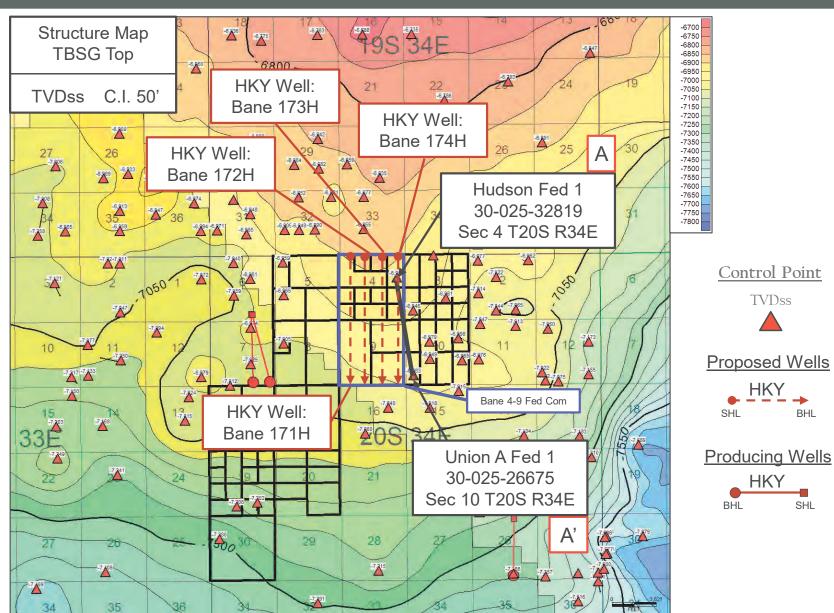
Second Bone Spring — Structure Map
Bane 4-9 Fed Com 121H, 122H, 123H, 124H, 125H, 126H, 127H & 128H



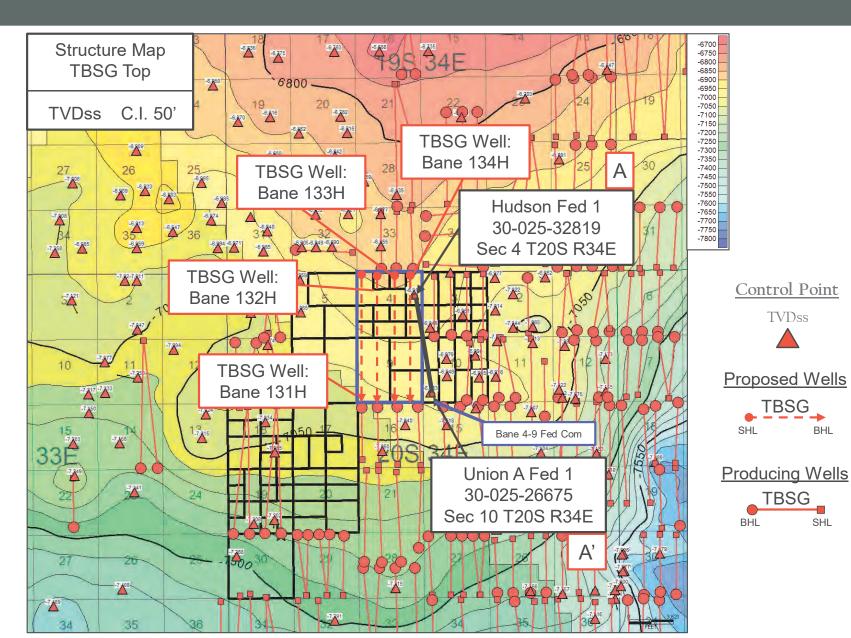
Permian Resources

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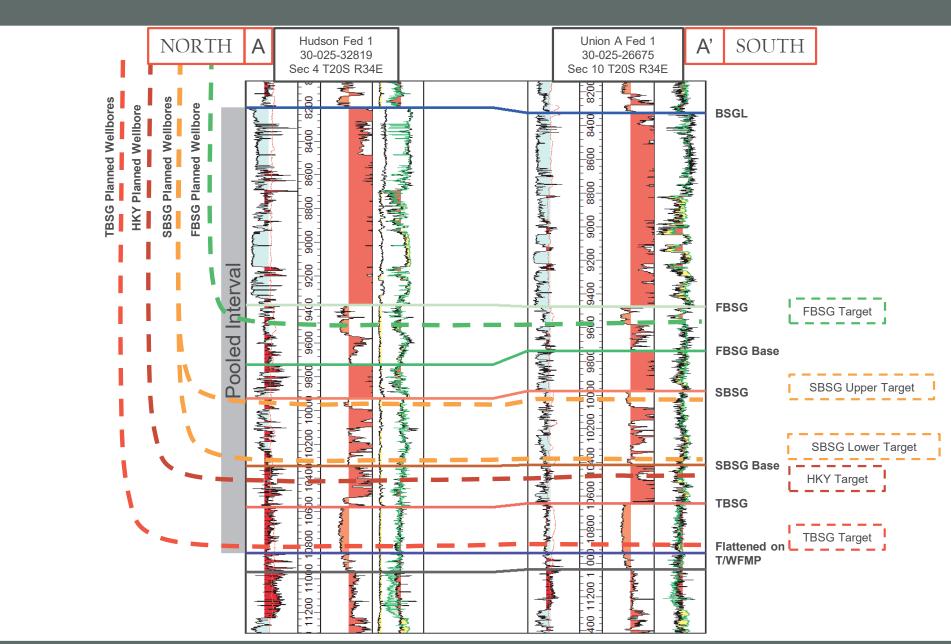






PR

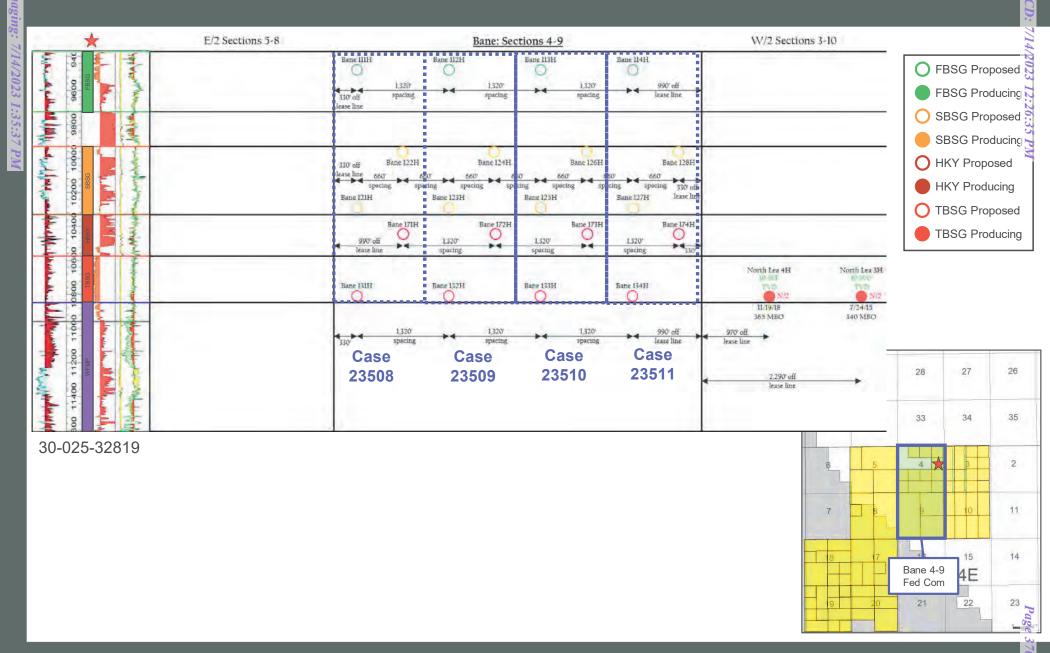
Stratigraphic Cross-Section A-A' Bane 4-9 Fed Com Bone Spring



Gun Barrel Development Plan

Bane 4-9 Fed Com Bone Spring

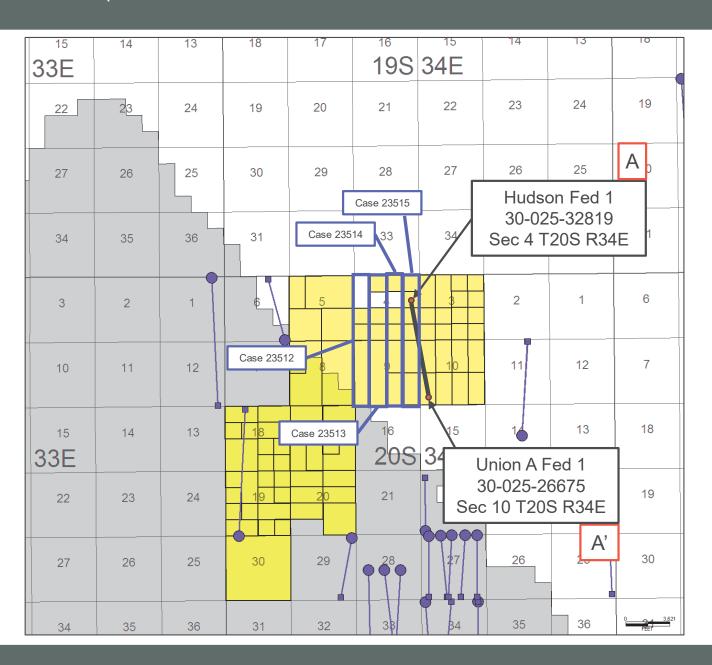






Cross-Section Locator Map

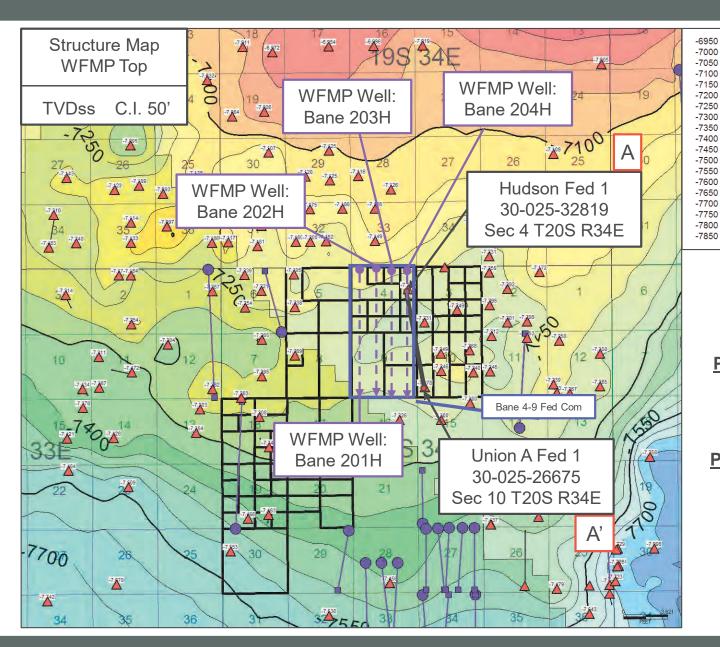
Bane 4-9 Fed Com Wolfcamp



Producing Wells

WFMP SHL BHL





Control Point

TVDss



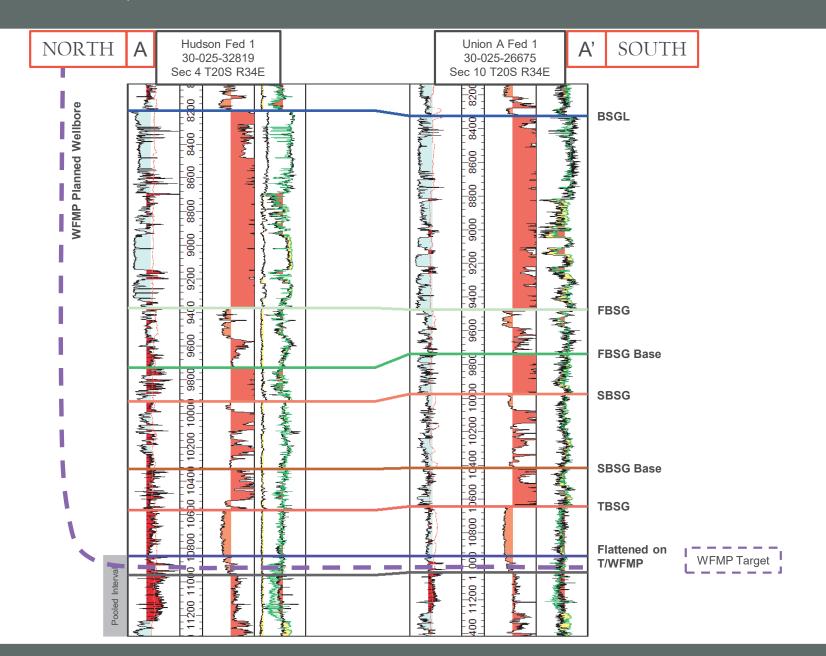
Proposed Wells



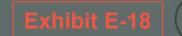
Producing Wells



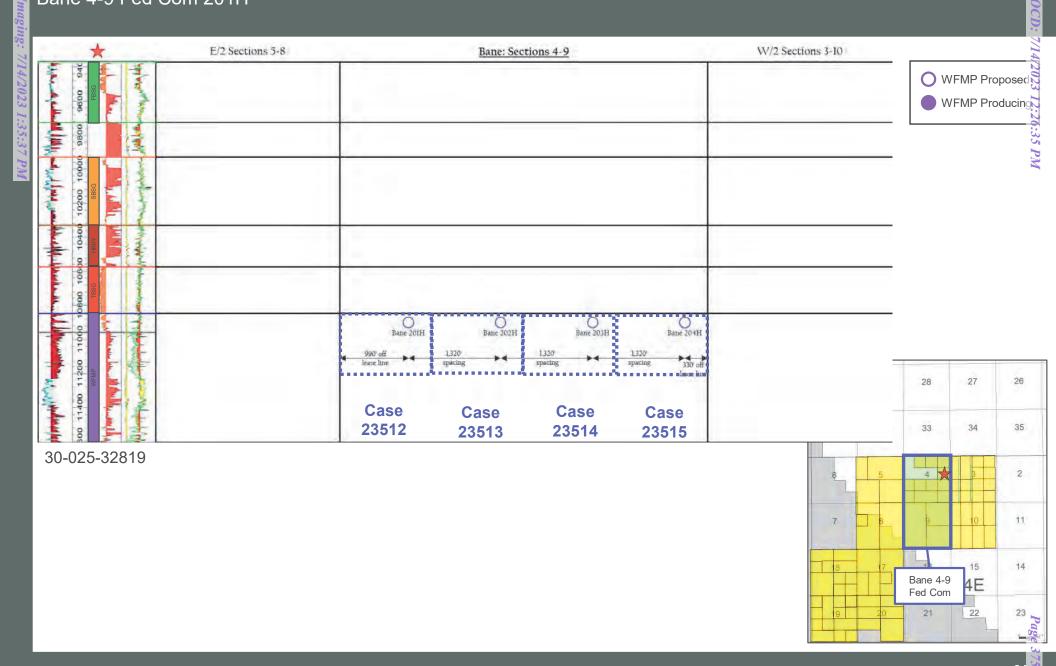
Stratigraphic Cross-Section A-A' Bane 4-9 Fed Com Wolfcamp



Gun Barrel Development Plan Bane 4-9 Fed Com 201H









Producing Wells

FBSG

SBSG

HKY

TBSG

SHL

SHL

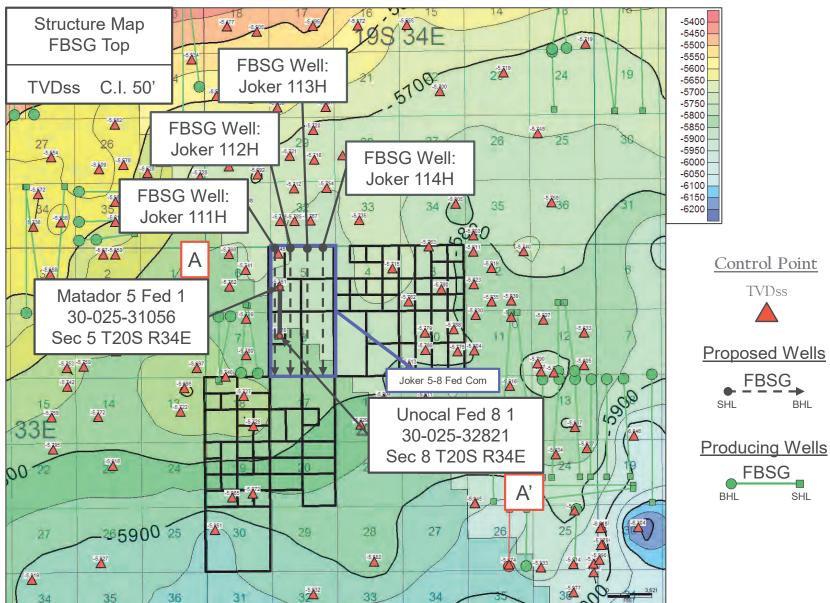
SHL

Permian

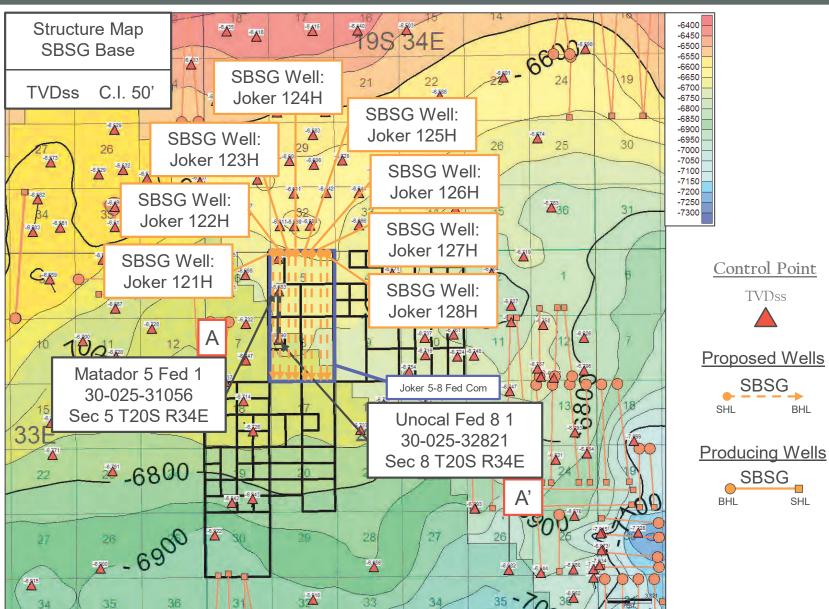
Resources

15 18 17 14 198 34E 33E 19 23 22 24 20 19 30 27 26 25 30 29 Case 23519 Case 23518 Matador 5 Fed 1 30-025-31056 31 36 34 35 Case 23517 Sec 5 T20S R34E 10 11 Case 23516 14 13 15 Unocal Fed 8 1 33E 30-025-32821 Sec 8 T20S R34E 22 23 24 25 30 26 27 35 36 34

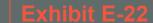




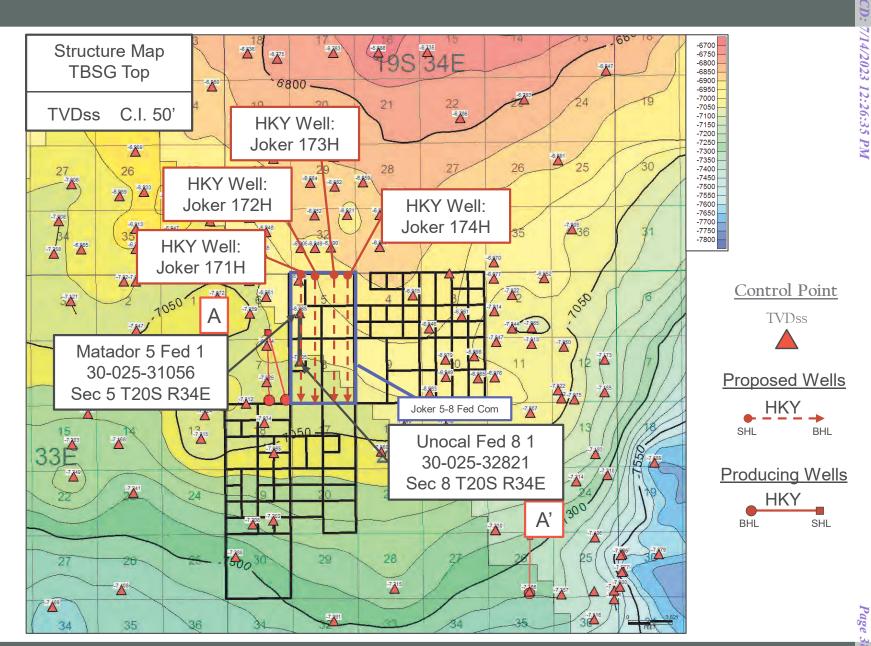
Second Bone Spring – Structure Map Joker 5-8 Fed Com 121H, 122H, 123H, 124H, 125H, 126H, 127H & 128H



Harkey – Structure Map Joker 5-8 Fed Com 171H, 172H, 173H & 174H

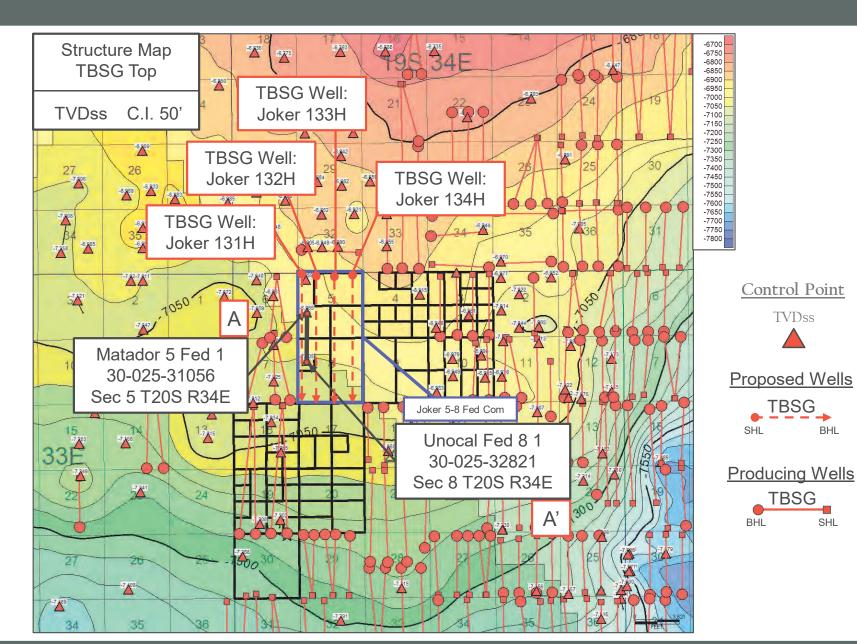






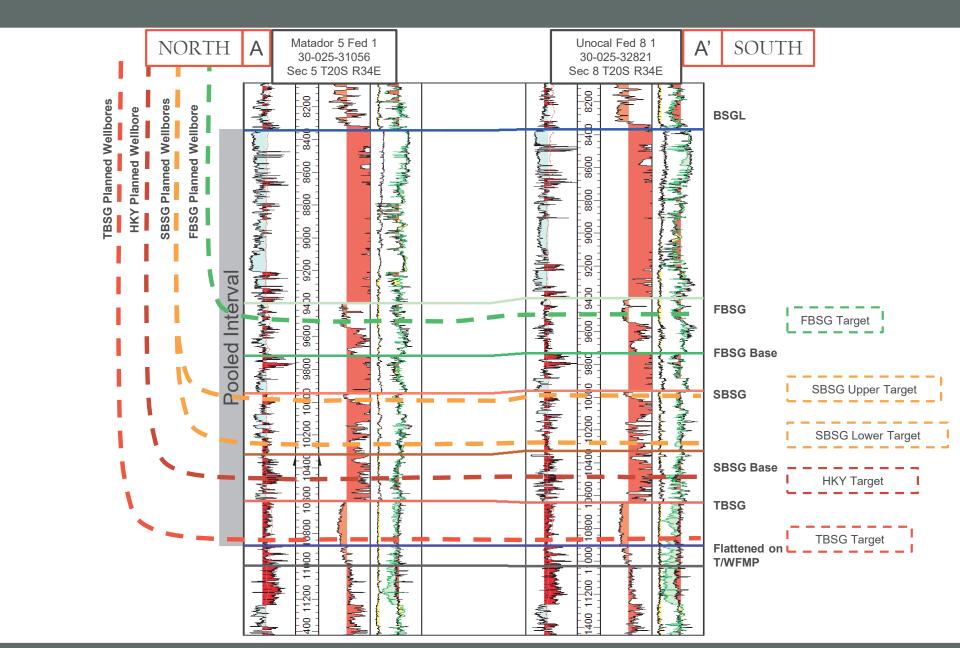




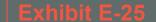


PR

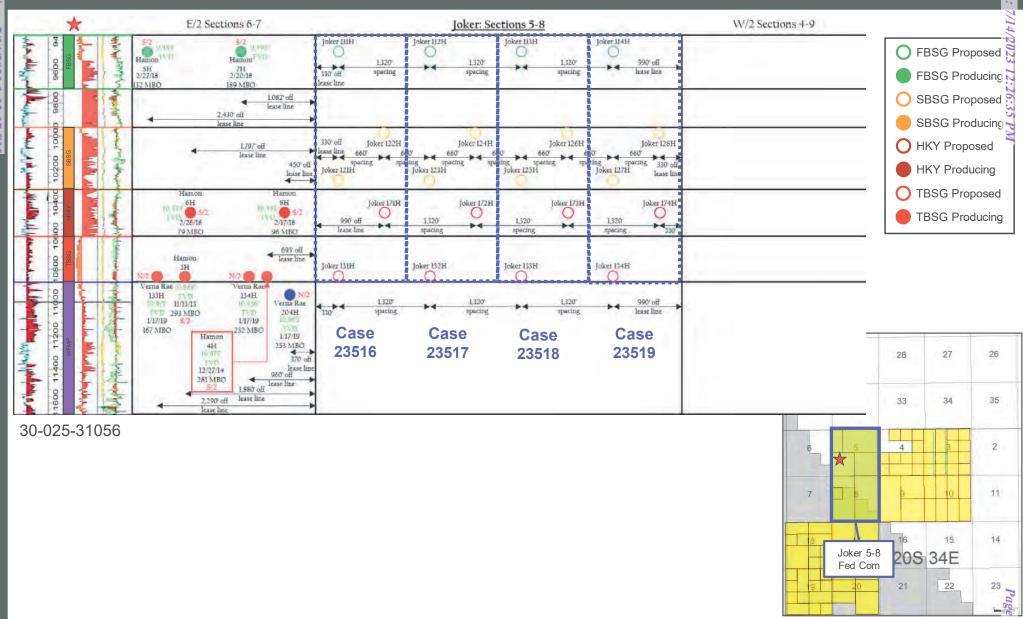
Stratigraphic Cross-Section A-A' Joker 5-8 Fed Com Bone Spring Targets



Gun Barrel Development Plan Joker 5-8 Fed Com





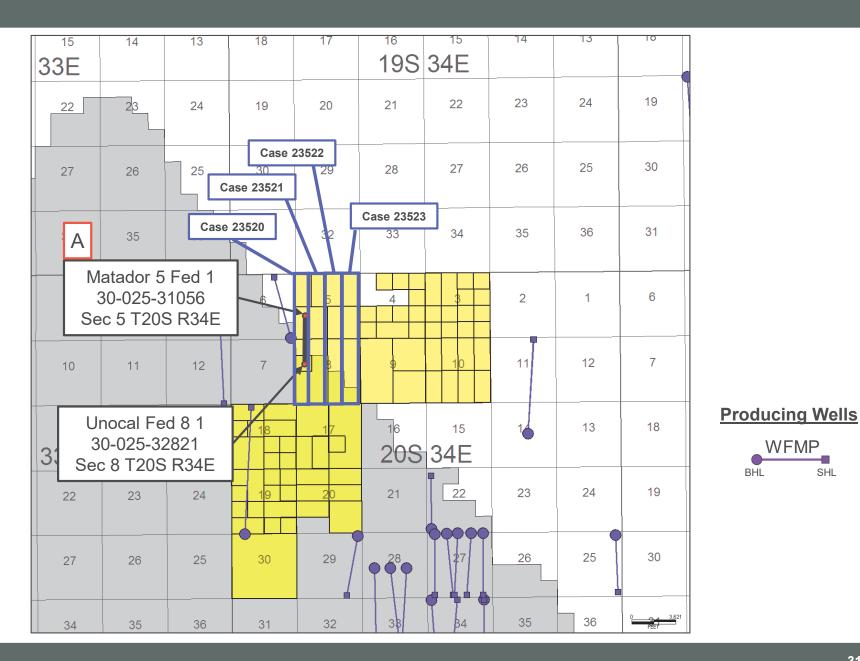




Cross-Section Locator Map Joker 5-8 Fed Com Wolfcamp

Permian

Resources

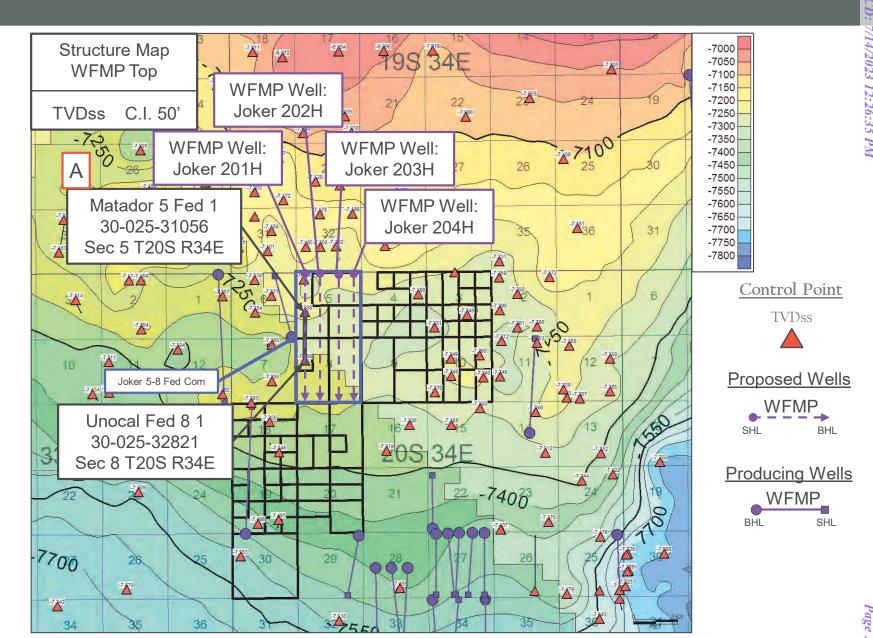


WFMP

SHL

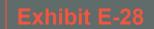
BHL



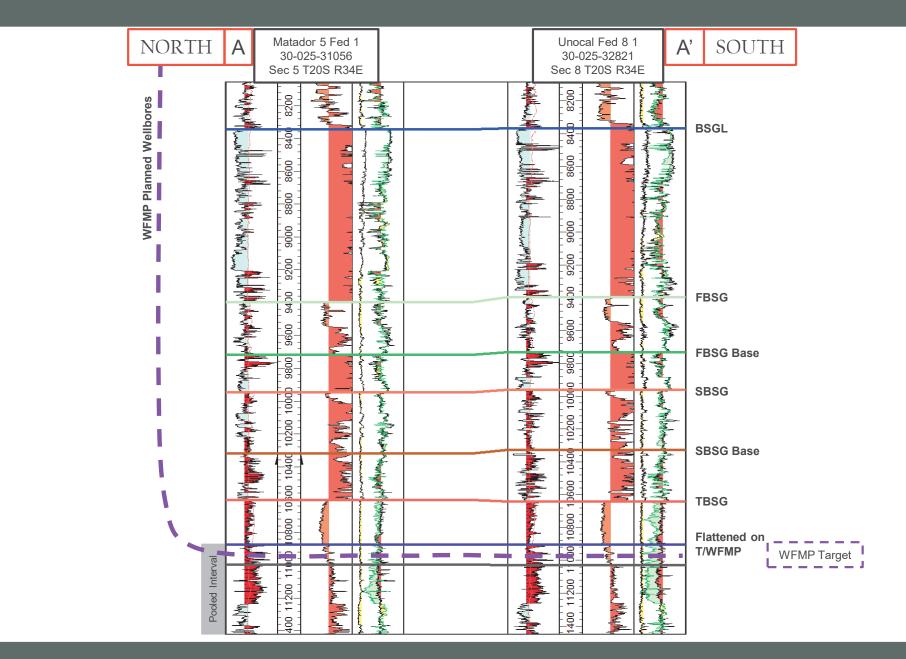




Stratigraphic Cross-Section A-A' Joker 5-8 Fed Com Wolfcamp



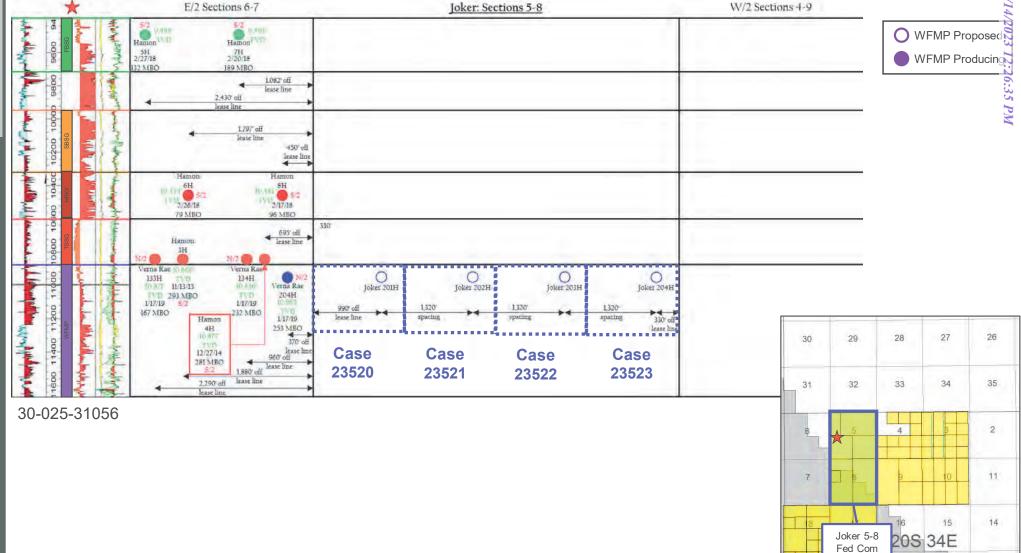




Gun Barrel Development Plan Joker 5-8 Fed Com Wolfcamp

| Exhibit E-29





23

22

STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT OIL CONSERVATION DIVISION

APPLICATIONS OF CIMAREX ENERGY CO. FOR A HORIZONTAL SPACING UNIT AND COMPULSORY POOLING, LEA COUNTY, NEW MEXICO

CASE NOS. 23448-23455

APPLICATIONS OF CIMAREX ENERGY CO. FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO

CASE NOS. 23594-23601

APPLICATIONS OF READ & STEVENS, INC. FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO.

CASE NOS. 23508-23523

SELF-AFFIRMED STATEMENT OF JOHN FECHTEL

- My name is John Fechtel. I work for Permian Resources Operating, LLC ("Permian") as a reservoir engineer.
- 2. I have not previously testified before the New Mexico Oil Conservation Division ("Division") as an expert witness in reservoir engineering matters. Attached as **Read & Stevens Exhibit F-1** is my resume, outlining my education and work experience as a petroleum engineer. I graduated from the University of South Carolina in December of 2012 with a Bachelor of Science degree in Mechanical Engineering. Upon graduation, I joined Pioneer Natural Resources as an operations engineer and spent several years working as such in the West Panhandle Field and in Permian Vertical Operations. I began working as a reservoir engineer in late 2015 and held roles with Pioneer Natural Resources as a reservoir engineer on an asset development team, as an asset team lead, and as a senior reservoir engineer on the Permian regional engineering team. My responsibilities while a reservoir engineer at Pioneer Natural Resources where entirely in the

BEFORE THE OIL CONSERVATION DIVISION Santa Fe, New Mexico Exhibit No. F Submitted by: Read & Stevens, Inc. Hearing Date: July 20, 2023 Case Nos. 23508-23523 Permian Basin and included asset development planning (spacing, sequencing, scheduling, completion design, performance analysis, type curve generation, forecasting, etc), the delineation of appraisal targets, basin wide studies, software development and analytics support, and the management of various data science and machine learning initiatives. In 2019 I joined Colgate Energy as the Development and Planning Manager where I was responsible for Colgate's asset development inclusive of technical analysis, well selection, and scheduling. I also championed the buildout of internal engineering data systems, processes, and integrations, and supported A&D efforts, analysis, and underwriting. Upon Colgate's merger with Centennial Resource Development which created Permian Resources in September of 2022, my role changed to Reservoir Manager, which is my current role. My responsibilities as Reservoir Manager at Permian Resources continue to include asset development planning and technical analysis with oversite responsibilities for the reservoir engineers in area specific asset teams. My experience with Colgate and with Permian Resources has also been entirely Permian Basin focused. I believe these credentials qualify me to testify as an expert petroleum engineer and to have my credentials accepted by the Division and made a matter of record.

- 3. I am familiar with the applications filed by Read & Stevens, Inc. ("Read & Stevens") in these cases, and I have conducted an engineering study of the lands in the subject area. I am also familiar with the applications filed by Cimarex Energy Co. ("Cimarex") in competing Case Nos. 23448-23455 and 23594-23601.
- 4. Read & Stevens is targeting the Bone Spring formation in Case Nos. 23508-23511 and 23516-23519 and Wolfcamp formation in Case Nos. 23512-23515 and 23520-23523. Of note, Read & Stevens believes it is important to co-develop the Third Bone Spring with the Wolfcamp A using a stacked and staggered "wine-rack" spacing pattern with simultaneous completions to

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avoid waste. In contrast, Cimarex does not plan to separately develop the upper Wolfcamp pool with initial wells completed in the Wolfcamp and proposes instead a vertically stacked spacing pattern entirely within the Bone Spring.

THIRD BONE SPRING/WOLFCAMP OFFSETTING DEVELOPMENT

- the Third Bone Spring and Wolfcamp A. The proposed Joker and Bane Unit areas that are the subject of this contested hearing are depicted in orange, along with Permian Resources', as the parent company of Read and Stevens, offsetting operated units, the Riddler, Batman, Robin, and Topaz. The red lines depict producing horizontal Third Bone Spring wells and the purple lines represent Wolfcamp A producing wells, as reflected in the legend. the Third Bone Spring and Wolfcamp A have been a target for development generally across this area for some time. However, appraisals and development of these targets has largely consisted of development of either the Third Bone Spring or the Wolfcamp A alone, with only limited examples of codevelopment identified on the map as areas "1", "2", and "3". Area 1 includes a mix of wells drilled and operated by Apache and Concho (now ConocoPhillips). Area 2 immediately offsets the proposed Joker Units to the west, referred to as the Verna Rae, operated by Matador, And Area 3, which is Permian Resources' Batman project, immediately offsets the Joker Units to the southwest.
- 6. Read & Stevens Exhibit F-3 depicts gross pay contour maps for the Third Bone Spring at the top left of the exhibit and for the Wolfcamp A in the bottom left of the exhibit. The Joker, Bane, and Batman Units are outlined in blue for reference. The location of a type log representative of the geology in the area is indicated with a red star. These are the same gross pay maps and type log that Ira Bradford referenced in his geology exhibits and testimony to confirm

that the Joker and Bane geology is analogous to the geology in Permian Resources' Batman Unit.

Area 1 wells reflect similar quality Third Bone Spring rock to Areas 2 and 3; however, Area 1 wells exhibit a thinner, lower-quality Wolfcamp A zone compared to Areas 2 and 3 as indicated by the cooler colors in the Wolfcamp A acreage developed by the Area 1 wells.

- 7. On the right side of **Exhibit F-3** are well results from wells in all three Areas that have been co-developed between the Third Bone Spring and Wolfcamp A. The top chart shows oil production by month for wells grouped as follows:
 - Light green represents the average normalized production of wells that are completed in the Third Bone Spring and were co-developed with wells completed in the Wolfcamp A zone in an area with a thicker, higher-quality gross pay interval.
 - Dark green represents the average normalized production of wells that are completed in the Wolfcamp A in an area with a thicker, higher-quality gross pay interval and were co-developed with wells completed in the Third Bone Spring.
 - Red represents the average normalized production of wells that are completed in the Third Bone Spring and were co-developed with wells completed in the Wolfcamp A zone in an area with a thinner, lower-quality gross pay interval.
 - Blue represents the average normalized production of wells that are completed in the Wolfcamp A in an area with a thinner, lower-quality gross pay interval and were co-developed with wells completed in the Third Bone Spring.
- 8. As the graph reflects, production results vary depending on whether co-developed wells in the Third Bone Spring and Wolfcamp A targeted higher-quality Wolfcamp A rock. Co-developed wells in Areas 2 and 3 with a ticker, higher-quality Wolfcamp A zone outperformed

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wells that were co-developed in Area 1, where the Wolfcamp A is thinner and lower quality. The bottom graph tells the same story using cumulative production.

- 9. Read & Stevens Exhibit F-4 takes a closer look at the wells and production for the Third Bone Spring interval in Matador's Verna Rae Unit in Area 2 on the left side of the exhibit and Permian Resources' Batman Unit in Area 3 on the right side of the exhibit. In the middle is a locator map referencing the location of the type log with a red star and the location of the Third Bone Spring wells in each Area. The type log includes a blow up that shows that the target intervals are the same. The gun barrel shows that the Batman Unit follows the same wine-rack and horizontal spacing pattern used by Matador in the Verna Rae, which also matches the wine-rack and horizontal spacing pattern Read & Stevens proposes for its Joker and Bane Units and which Permian Resources has permitted in the Robin Unit. The production graphs on the left show the individual well production for the Verna Rae Unit, the colors of which match the gun barrel below them. Of note, both the Verna Rae 134H and the Verna Rae 204H, are extremely strong. The Verna Rea 133H however, which was not directly wine racked with a Wolfcamp A well, is a poorer performer. The Verna Rea results suggest that co-developing the Third Bone Spring and Wolfcamp A wells together results in better long-term performance and higher cumulative oil production than producing Third Bone Spring wells alone. Early time production from Permian Resources' Batman development corroborates this observation. The production profile and cumulative production for co-developed Third Bone Spring and Wolfcamp A wells in the Batman Unit show these wells are outperforming Third Bone Spring wells that are developed alone.
- 10. These results strongly support the conclusion that co-developing the Third Bone Spring and Wolfcamp A in this acreage with thicker, higher-quality Wolfcamp A rock is necessary to recover incremental reserves that would otherwise risk being left unproduced if this acreage is

developed with Third Bone Spring wells alone or without co-development, resulting in lost reserves and substantial waste. That means Cimarex's proposal, which does not include initial wells completed in the Wolfcamp A, risks stranding substantial reserves there, resulting in waste. As explained by Travis Macha, this outcome has severe consequences in this particular acreage where the owners and ownership percentages are not uniform between the Bone Spring and Wolfcamp formations. Cimarex's plan will particularly impair the correlative rights of owners, including Read & Stevens, who own a greater share of interests in the Wolfcamp or own only in the Wolfcamp. In contrast, and to optimize production and protect correlative rights in both targeted pools, Read & Stevens is proposing co-development across these tracks.

- 11. While Read & Stevens and Permian have undertaken a thoughtful, analytical approach to testing and planning its development in this acreage, with flexibility built in to its proposal to quickly respond to updated data and analyses, Cimarex has not demonstrated a similar level of planning or analysis in its development in this area to date or in their competing proposals.
- 12. Read & Stevens Exhibit F-5 is an exhibit demonstrating the importance of having a comprehensive development plan, sequenced appropriately, to avoid impairing future development and reducing ultimate recovery. On the right side of the exhibit is a locator map showing the location of Read & Stevens' proposed Joker and Bane Units relative to four offsetting wells drilled and operated by Cimarex—the Lea 7 Federal Unit wells—located approximately 4 miles to the east. In that acreage, Cimarex targeted a single formation drilling four wells on three separate pads over four years. The well performance chart at the bottom shows the results. The redline shows the production profile for the first well drilled in the W/2 W/2 of the spacing unit. The second well, denoted with the blue line, produced just seven months before it was permanently abandoned when the third and fourth wells were drilled and completed represented in green. As

noted on the exhibit, repeatedly returning to units to develop small packages, as Cimarex did with its Lea 7 Federal Unit acreage, can be wasteful, inefficient, and can destroy the value of the minerals in at least two ways. First, developing in a partially depleted reservoir can reduce the effectiveness of hydraulic fracturing due to parent-child effects. Second, existing producing wells can be damaged, even to the point of losing wellbores, from offsetting completion operations. Our approach is to coordinate drilling rigs and completions for large-scale co-development following a thoughtful appraisal and development strategy customized to the acreage and that allows for rapid flexibility and responsiveness based on updated data and analysis.

- 13. On the right side of **Read & Stevens Exhibit F-6** shows an area of interest map across more than 430 square miles around the acreage of the proposed competing developments with Cimarex's acreage in pink and Permian Resources in green. Within this expansive area, Cimarex has drilled just 1 well in the last 5 years and just 32 wells in the last 10 years. Cimarex has almost exclusively used wasteful and inefficient single well pad developments and has drilled just a single two-mile lateral. Of note, Cimarex has not tested the co-development of the Third Bone Spring and Wolfcamp A anywhere within this area. The chart at the bottom left of the exhibit summarizes Cimarex's activity within this 430 square mile area and the accompanying bar graph provides an overview of spud counts through time.
- 14. Read & Stevens Exhibit F-7 addresses Read & Stevens' other Bone Spring targets, including the First Bone Spring Sand, the Second Bone Spring Sand, and the Harkey. The map on the left identifies offsetting wells completed and producing within each interval targeted by Read & Stevens' applications within the area of interest. Green wells represent First Bone Spring Sand completions. Orange wells represent Second Bone Spring Sand completions. Red wells represent completions in the Harkey. The well performance graph on the exhibit

demonstrates that wells completed in these target zones within this area are all viable targets for development with variable performance. Permian Resources' five well Batman development represents the first phase of a thoughtful appraisal and development plan wherein we appraise the prospectivity of zones with the potential to communicate with a permitting strategy that allows us to immediately apply learnings to the next phase of the synchronized development. By permitting development in a manner that assumes delineation/appraisal is successful, Permian Resources is now prepared to immediately execute a continuation of our development plan, which involves the use of multiple synchronized drilling rigs to continue TBSG & WFMP co-development in immediately adjacent acreage while continuing the appraisal of the co-development of shallower Bone Spring targets. Just as Permian Resources has permitted development in Batman and Robin so that successful appraisal learnings can be immediately applied, Read and Stevens has proposed the exact same development pattern under the same construct in Joker and Bane. Doing so will allow for the immediate application of the appraisal and delineation learnings across Permian Resources' contiguous operating position to ensure maximum value generation and minimal waste.

15. On the left side of **Read & Stevens Exhibit F-8** are the combined production results from the two wellsets in the Batman appraisal of the co-development of the TBSG and the Wolfcamp A with the topmost plot representing the combined daily rates with the three co-developed Third Bone Spring and Wolfcamp A wells in blue and the two Third Bone Spring wells developed without the Wolfcamp A in red. The bottom plot represents the cumulative production for the same wellsets, and demonstrates that in just the first 40 days of production, the Third Bone Spring co-developed with the Wolfcamp A has produced seventy thousand barrels of oil more than the TBSG only development. Similar plots are shown on the right, this time at the well level and

colored by formation where green represents the Wolfcamp A and orange represents the Third Bone Spring. Of note is just how prolific the Wolfcamp A well has been to date, producing more than forty thousand barrels in the first forty days. Because of Permian Resources thoughtful plan of development we are recovering more resource than if we developed the TBSG alone and are able to immediately incorporate these learnings into our development plans. Read and Stevens' proposals on Joker and Bane represent a continuation of the exact same strategy.

CONCLUSION

- 16. In my opinion, Read & Stevens' plan to co-develop horizontal laterals across the Bone Spring and Wolfcamp formations using a stacked and staggered "wine-rack" spacing pattern with simultaneous completions—and in particular, co-developing the Third Bone Spring and Wolfcamp A together—is in the best interests of conservation, the prevention of waste, and protection of correlative rights.
- 17. Read & Stevens Exhibits F-1 through F-8 were either prepared by me or compiled under my direction and supervision.
- 18. I affirm under penalty of perjury under the laws of the State of New Mexico that the foregoing statements are true and correct. I understand that this self-affirmed statement will be used as written testimony in these cases. This statement is made on the date next to my signature below.

John Fechtel

Date

John Fechtel

John.Fechtel@Permianres.com

EXPERIENCE

2022-Current

RESERVOIR MANAGER, Permian Resources

- Responsible for the reservoir engineers on the asset development teams and all related field development planning including well spacing, type curve generation, completion design, and performance analysis
- Continued involvement in A&D efforts and deal evaluations

2019-2022

DEVELOPMENT & PLANNING MANAGER, Colgate Energy

- Lead efforts for most aspects of field development planning including well spacing, scheduling, type curve generation, completion design, and performance analysis
- Championed the build out of internal engineering data systems
- Heavily involved in A&D efforts from trades to bolt on acquisitions to corporate mergers

2017-2019

REGIONAL RESERVOIR ENGINEER, PXD- Permian Strategic Planning and Field Development

- Advanced production model study and implementation
 - o Built automated forecasting programs for testing and validation of models proposed in academia
 - o Proposed new methods for GOR forecasting
 - o Built and implemented a program for derivative based forecasting
- Worked with software developers to build and support internal production forecasting and budgeting applications responsible for ongoing efforts to evolve processes
- Project manager for concurrent machine learning based automated forecasting projects with internal data science groups and 3rd party vendors
- Responsible for field wide studies of reservoir and development topics including efforts to better predict interference from offset completions, to qualify GOR trends, and to correlate recovery factors with design parameters

2016-2017

DEVELOPMENT RESERVOIR ENGINEER, PXD- Permian Strategic Planning and Field Development

- Lead a multi-disciplinary team responsible for the development of Pioneer's assets in east Martin county
- Responsible for development planning including scheduling, type curve generation, economics, spacing, targeting, sequencing, high level completion design, infrastructure scoping and buildout, PDP forecasting, performance evaluations, and acreage trade support
- High activity levels with up to 5 active drilling rigs required vigilant attention to detail and cross-disciple organization
- Lead development team efforts to delineate northern acreage, to test Wolfcamp co-development, and to appraise the JoMill as a horizontal target

2013-2016

OPERATIONS ENGINEER. PXD- West Panhandle Field & Permian Vertical

EDUCATION

University of South Carolina Honors College, Columbia, SC Bachelor of Science in Mechanical Engineering, December 2012

Cumulative GPA: 3.84/4.00

CHO / H TO BO H B . B C . C C H LTH

TBSG/WFMP A Offset Development



Variety of Development Sequences with Limited True Co-Development Testing

Offset TBSG/WFMP_A Development

13 18 17 16 15 155 34E Legend Producing TBSG Producing WFMP A 30 35 31 32 36 Bane Riddler 11 12 14 13 n Robin 20S 34E 23 24 25 26 Topaz

Development and Delineation Overview

- The TBSG and the WFMP_A have been a target for development in this area
- Appraisal and development has largely consisted of the development of either the TBSG or the WFMP_A alone
- Examples of the appraisal and develop of the TBSG and WFMP_A together are limited and can be found primarily in just several different areas
 - Developments by Apache and Concho consist of a mix of delayed WFMP_A development in the case of Apache's Black and Tan (WFMP_A developed after the overlying TBSG), TBSG co-developed with the
 - WFMP_A in 2-well pairs with each development delayed by more than a year in the case of Concho's Mas Federals, and full TBSG and WFMP_A co-development in the case of Concho's Little Bear development
 - Matador's co-development of the WFMP_A and TBSG in the Verna Rae development
 - Permian Resources appraisal of co-development of the TBSG and WFMP_A in Batman

Key Examples of TBSG/WFMP A Co-Development

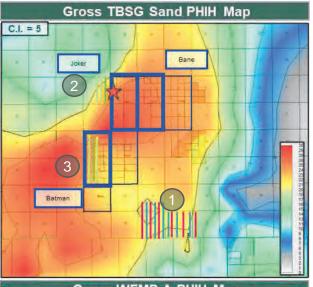
PR

Limited Co-Development Testing in Geologically Analogous Rock

Locator Maps Against Pay Mapping

TBSG

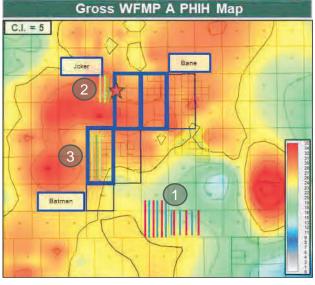
Consistent mapped pay quality in the TBSG Sand across key appraisals



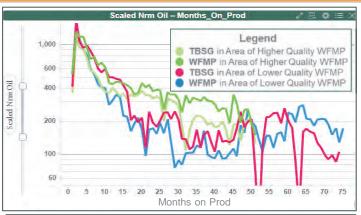
WFMP_A

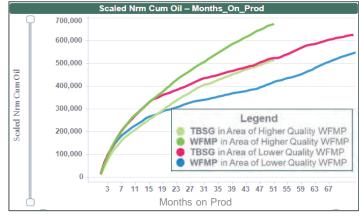
Consistent mapped pay quality in the areas 2, 3, and the Joker/Bane units

Degrading mapped pay quality area 1



Well Results





Commentary

Examples of co-development between the TBSG and WFMP have returned very different results in areas of differing WFMP quality

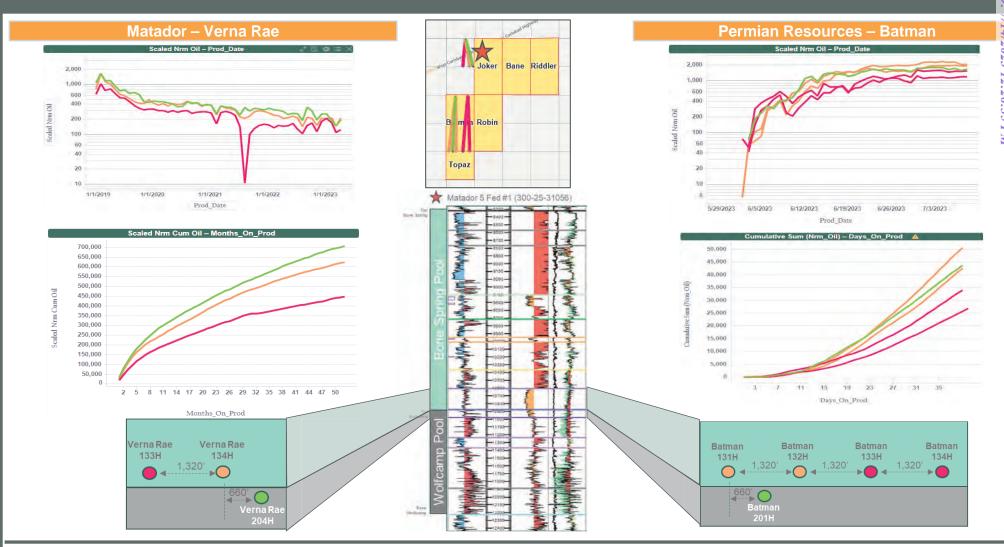
When co-developed with the TBSG, WFMP_A results have been very strong in the higher quality WFMP analogous to the pay in the Joker and Bane units

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TBSG/WFMP A Co-Development



TBSG Not Degraded When Co-Dev with the WFMP in Immediate Offsets



Immediately offset of Joker and Bane are examples of successful co-development of the TBSG and WFMP at the exact same spacing and targeting that Permian Resources has proposed in Joker and Bane

PR

Maximizing Value and Preventing Waste Requires Proper Planning

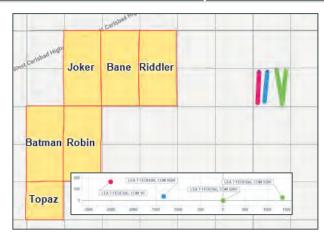
Commentary

- Although not unique to this particular area, proper development sequencing is vitally important to ensure value is maximized and waste minimized
- Repeatedly returning to units to develop small packages is wasteful, inefficient, and value destructive as:
 - Developing in a partially depleted reservoir can reduce the effectiveness of hydraulic fracturing
 - Existing producing wells are often damaged even to the point of losing wellbores

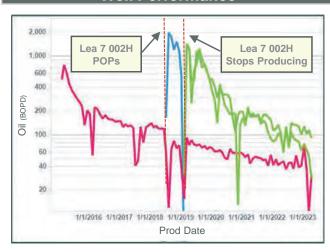
Permian Resources' development strategy relies heavily on the use of sync'd rigs for large scale codevelopment with a thoughtful appraisal and permitting strategy that allows for the rapid incorporation of learnings

An Example of Improper Sequencing and Destroyed Value

Locator Map



Well Performance



Satellite View



Development Overview

Cimarex's development of the Lea 7 Federal unit ~4 miles to the east of the Bane unit features:

- The development of a single formation with 4 wells drilled over the span of 4+ years
- Three separate pads with their own associated infrastructure
- One lost and permanently abandoned wellbore after producing hydrocarbons for just 7 months

Exhibit F-5

Operator Activity

Cimarex Has Drilled 1 Well in 5 years



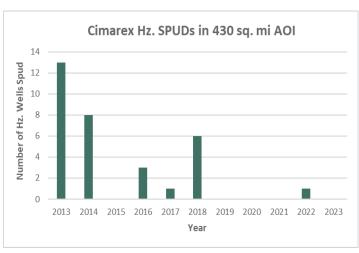
Commentary

In the 430+ sq. mile AOI around the Bane and Joker units, Cimarex has, over the last 10 years:

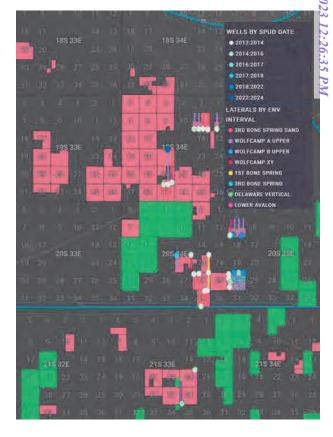
- Drilled a single two mile well (notably also the only well drilled in the last 5 years)
- · Developed almost exclusively with single well pads
- Permanently abandoned 1 horizontal after producing for just 7 months
- Not tested the co-development of the TBSG and WFMP_A

Summary of Cimarex's Activity

SPUDs in AOI	Count	Avg Lateral Length (ft)*	Avg Wells per New Built Pad*	Avg Wells per Dev.*
2013	13	4,603	1	1
2014	8	4,331	1	1
2015	0	-	-	-
2016	3	5,517	1	1
2017	1	3,993	1	1
2018	6	4,450	1.2	1.5
2019	0	-	-	-
2020	0	-	-	-
2021	0	-	-	-
2022	1	9,253	RTP	1
2023	0	-	-	-
Total/Avg	32	4,696	1.1	1.2



Area of Interest



- Townships: 18S-21S
- Ranges: 33E-35E (32E-34E in TS 21S)
- Total Area: 432 sq. miles
- 2013+ SPUDs

Additional Bone Spring Targets

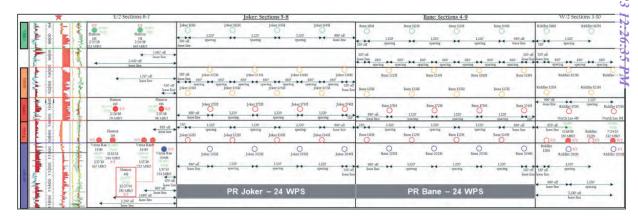
FBSG, SBSG, and Harkey Have Been Developed in the Area



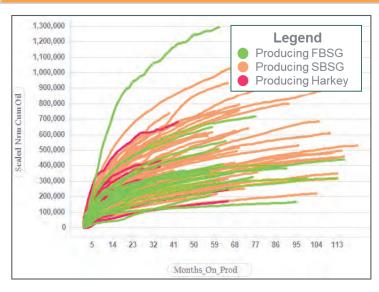
Area of Interest



PR Proposed Gun Barrel



Well Performance



Commentary

- All proposed targets are real targets with producing wells in the immediate area
- Permian Resources views permitting for the success case in terms of the delineation of targets with possible communication as an important piece of a development strategy that maximizes value and minimizes waste

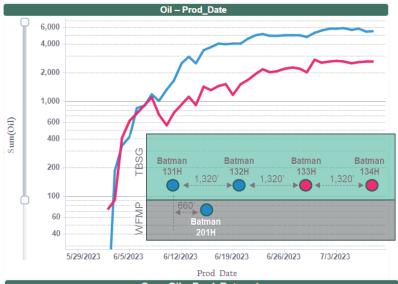
Page 404 of 4

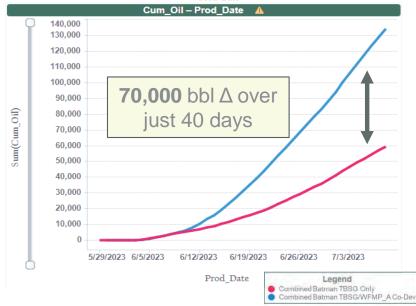
A Closer Look at Batman Results



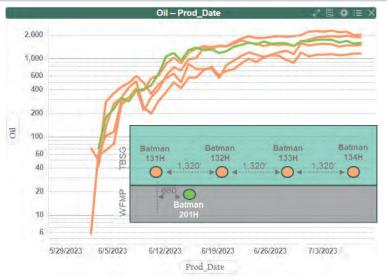
Co-Developed TBSG/WFMP_A Materially Outperforming

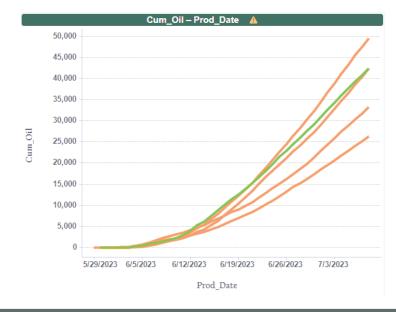
Well Performance By Appraised Development





Well Performance By Formation





Page 40

APPLICATION OF READ & STEVENS, INC. FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO.

CASE NO. 23508

AFFIDAVIT

STATE OF NEW MEXICO)
) ss.
COUNTY OF SANTA FE)

Adam G. Rankin, attorney in fact and authorized representative of the Applicant herein, being first duly sworn, upon oath, states

- 1. The above-referenced application and notice of the hearing on this application was sent by certified mail to the affected parties on the date set forth in the letter attached hereto.
- 2. The spreadsheet attached hereto contains the names of the parties to whom notice was provided.
- 3. The spreadsheet attached hereto contains the information provided by the United States Postal Service on the status of the delivery of this notice as of July 12, 2023.
- 4. I caused a notice to be published to all parties subject to these proceedings on May 16, 2023. An affidavit of publication from the publication's legal clerk with a copy of the notice publication is attached as Exhibit H.

Adam G. Rankin

BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Exhibit No. G
Submitted by: Read & Stevens, Inc.
Hearing Date: July 20, 2023
Case No. 23508

Rankin.

My Commission Expires:

/ Notary Public

STATE OF NEW MEXICO
NOTARY PUBLIC
KARI D PEREZ
COMMISSION # 1138272
COMMISSION EXPIRES 06/28/2026



May 12, 2023

VIA CERTIFIED MAIL **CERTIFIED RECEIPT REQUESTED**

TO: ALL INTEREST OWNERS SUBJECT TO POOLING PROCEEDINGS

Re: Application of Permian Resources Operating, LLC for Compulsory Pooling, Lea County, New Mexico: Bane 4-9 Federal Com 111H, 121H, 122H, 171H, and 131H wells

Ladies & Gentlemen:

This letter is to advise you that Read & Stevens, Inc. has filed the enclosed application with the New Mexico Oil Conservation Division. A hearing has been requested before a Division Examiner on June 1, 2023, beginning at 8:15 a.m., and the status of the hearing can be monitored through the Division's website at https://www.emnrd.nm.gov/ocd/.

Due to ongoing construction and associated space limitations at the Wendell Chino Building, Parties, Counsel for Parties, and the public are encouraged to attend/participate via the Webex Meeting platform. To participate in the electronic the OCD Hearings hearing, see the instructions posted on https://www.emnrd.nm.gov/ocd/hearing-info/.

You are not required to attend this hearing, but as an owner of an interest that may be affected by this application, you may appear and present testimony. Failure to appear at that time and become a party of record will preclude you from challenging the matter at a later date. Parties appearing in cases are required to file a Pre-hearing Statement four business days in advance of a scheduled hearing that complies with the provisions of NMAC 19.15.4.13.B.

If you have any questions about this matter, please contact Travis Macha at (432) 400-1037 or travis.macha@permianres.com.

Sincerely.

Adam G. Rankin

APPLICATION OF READ & STEVENS, INC. FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO.

CASE NO. 23509

AFFIDAVIT

STATE OF NEW MEXICO)
) ss.
COUNTY OF SANTA FE)

Adam G. Rankin, attorney in fact and authorized representative of the Applicant herein, being first duly sworn, upon oath, states

- 1. The above-referenced application and notice of the hearing on this application was sent by certified mail to the affected parties on the date set forth in the letter attached hereto.
- 2. The spreadsheet attached hereto contains the names of the parties to whom notice was provided.
- 3. The spreadsheet attached hereto contains the information provided by the United States Postal Service on the status of the delivery of this notice as of July 12, 2023.
- 4. I caused a notice to be published to all parties subject to these proceedings on May 16, 2023. An affidavit of publication from the publication's legal clerk with a copy of the notice publication is attached as Exhibit H.

Adam G. Rankin

BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Exhibit No. G
Submitted by: Read & Stevens, Inc.
Hearing Date: July 20, 2023
Case No. 23509

Rankin.

My Commission Expires:

Notary Public

STATE OF NEW MEXICO
NOTARY PUBLIC
KARI D PEREZ
COMMISSION # 1138272
COMMISSION EXPIRES 06/28/2026



May 12, 2023

VIA CERTIFIED MAIL **CERTIFIED RECEIPT REQUESTED**

TO: ALL INTEREST OWNERS SUBJECT TO POOLING PROCEEDINGS

Re: Application of Permian Resources Operating, LLC for Compulsory Pooling, Lea County, New Mexico: Bane 4-9 Federal Com 112H, 123H, 124H, 172H, 132H wells

Ladies & Gentlemen:

This letter is to advise you that Read & Stevens, Inc. has filed the enclosed application with the New Mexico Oil Conservation Division. A hearing has been requested before a Division Examiner on June 1, 2023, beginning at 8:15 a.m., and the status of the hearing can be monitored through the Division's website at https://www.emnrd.nm.gov/ocd/.

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If you have any questions about this matter, please contact Travis Macha at (432) 400-1037 or travis.macha@permianres.com.

Sincerely.

Adam G. Rankin

APPLICATION OF READ & STEVENS, INC. FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO.

CASE NO. 23510

AFFIDAVIT

STATE OF NEW MEXICO)
) ss.
COUNTY OF SANTA FE)

Adam G. Rankin, attorney in fact and authorized representative of the Applicant herein, being first duly sworn, upon oath, states

- 1. The above-referenced application and notice of the hearing on this application was sent by certified mail to the affected parties on the date set forth in the letter attached hereto.
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Adam G. Rankin

BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Exhibit No. G
Submitted by: Read & Stevens, Inc.
Hearing Date: July 20, 2023
Case No. 23510

Rankin.

My Commission Expires:

Notary Public

STATE OF NEW MEXICO
NOTARY PUBLIC
KARI D PEREZ
COMMISSION # 1138272
COMMISSION EXPIRES 06/28/2026



May 12, 2023

VIA CERTIFIED MAIL **CERTIFIED RECEIPT REQUESTED**

TO: ALL INTEREST OWNERS SUBJECT TO POOLING PROCEEDINGS

Re: Application of Permian Resources Operating, LLC for Compulsory Pooling, Lea County, New Mexico: Bane 4-9 Federal Com 113H, 125H, 126H, 173H, 133H wells

Ladies & Gentlemen:

This letter is to advise you that Read & Stevens, Inc. has filed the enclosed application with the New Mexico Oil Conservation Division. A hearing has been requested before a Division Examiner on June 1, 2023, beginning at 8:15 a.m., and the status of the hearing can be monitored through the Division's website at https://www.emnrd.nm.gov/ocd/.

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Sincerely.

Adam G. Rankin

APPLICATION OF READ & STEVENS, INC. FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO.

CASE NO. 23511

AFFIDAVIT

STATE OF NEW MEXICO)
) ss.
COUNTY OF SANTA FE)

Adam G. Rankin, attorney in fact and authorized representative of the Applicant herein, being first duly sworn, upon oath, states

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- 2. The spreadsheet attached hereto contains the names of the parties to whom notice was provided.
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Adam G. Rankin

Rankin.

My Commission Expires:

STATE OF NEW MEXICO NOTARY PUBLIC KARI D PEREZ

Notary Public

COMMISSION # 1138272 COMMISSION EXPIRES 06/28/2026



May 12, 2023

VIA CERTIFIED MAIL **CERTIFIED RECEIPT REQUESTED**

TO: ALL INTEREST OWNERS SUBJECT TO POOLING PROCEEDINGS

Re: Application of Permian Resources Operating, LLC for Compulsory Pooling, Lea County, New Mexico: Bane 4-9 Federal Com 114H, 127H, 128H, 174H, 134H wells

Ladies & Gentlemen:

This letter is to advise you that Read & Stevens, Inc. has filed the enclosed application with the New Mexico Oil Conservation Division. A hearing has been requested before a Division Examiner on June 1, 2023, beginning at 8:15 a.m., and the status of the hearing can be monitored through the Division's website at https://www.emnrd.nm.gov/ocd/.

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If you have any questions about this matter, please contact Travis Macha at (432) 400-1037 or travis.macha@permianres.com.

Sincerely.

Adam G. Rankin

Received by OCD: 7/14/2023 12:26:35 PM

Read & Stevens - Bane BS Case Nos. 23508-23211 Postal Delivery Report

						Your item was delivered at 10:39 am on May 15,
9414811898765424680085	Ard Oil Ltd.	PO Box 101027	Fort Worth	TX	76185-1027	2023 in FORT WORTH, TX 76185.
						Your package will arrive later than expected, but is
						still on its way. It is currently in transit to the next
9414811898765424680474	Foran Oil Company	5400 Lbj Fwy Ste 1500	Dallas	TX	75240-1017	facility.
						Your item was delivered to an individual at the
						address at 3:02 pm on May 15, 2023 in DALLAS, TX
9414811898765424680511	Hillier, LLC	6046 Azalea Ln	Dallas	TX	75230-3406	75230.
						Your package will arrive later than expected, but is
						still on its way. It is currently in transit to the next
9414811898765424680559	HOG Partnership, LP	5950 Cedar Springs Rd Ofc 200	Dallas	TX	75235-6805	facility.
						Your item was delivered to an individual at the
						address at 2:16 pm on May 15, 2023 in FORT
9414811898765424680566	Hudson, William A., II	18 Valley Ridge Rd	Fort Worth	TX	76107-3111	WORTH, TX 76107.
						Your item was delivered to the front desk, reception
						area, or mail room at 2:17 pm on May 15, 2023 in
9414811898765424680528	Javelina Partners	616 Texas St	Fort Worth	TX	76102-4612	FORT WORTH, TX 76102.
						Your item has been delivered and is available at a
	FBO J. Terrell Ard, Josephine T.					PO Box at 9:23 am on May 15, 2023 in SAN
9414811898765424680597	Hudson Testamentary Trust	PO Box 1600	San Antonio	TX	78296-1600	ANTONIO, TX 78205.
						Your package will arrive later than expected, but is
						still on its way. It is currently in transit to the next
9414811898765424680542	Lindys Living Trust,	215 W Bandera Rd Ste 114-620	Boerne	TX	78006-2820	facility.
						Your item was picked up at a postal facility at 9:16
9414811898765424680535	Magnum Hunter Production, Inc.	600 N Marienfeld St Ste 600	Midland	TX	79701-4405	am on June 8, 2023 in SANTA FE, NM 87501.
						Your item has been delivered to an agent for final
						delivery in DENVER, CO 80203 on May 16, 2023 at
9414811898765424680573	Marks Oil, Inc.	1775 N Sherman St Ste 2015	Denver	CO	80203-4319	5:24 pm.
						Your package will arrive later than expected, but is
						still on its way. It is currently in transit to the next
9414811898765424688210	Moore and Shelton Company, Lt d.	1011 23rd St	Galveston	TX	77550-4630	facility.
						Your item has been delivered to the original sender
9414811898765424680078	Avalon Energy Corporation	PO Box 2458	Midland	TX	79702-2458	at 10:58 am on June 29, 2023 in SANTA FE, NM
						Your package will arrive later than expected, but is
						still on its way. It is currently in transit to the next
9414811898765424688258	MRC Permian Company	5400 Lbj Fwy Ste 1500	Dallas	TX	75240-1017	facility.
						Your item was delivered to an individual at the
						address at 2:05 pm on May 17, 2023 in
9414811898765424688265	Sandstone Properties, LLC	40 First Plaza Ctr NW Ste 601-N	Albuquerque	NM	87102-3355	ALBUQUERQUE, NM 87102.
						Your item was delivered to an individual at the
						address at 2:05 pm on May 17, 2023 in
9414811898765424688227	Sandstone Properties, LLC	200 3rd St NW	Albuquerque	NM	87102-3334	ALBUQUERQUE, NM 87102.
						Your item was picked up at the post office at 3:52
9414811898765424688296	Sealy Hutchings Cavin, Inc.	PO Box 1125	Roswell	NM	88202-1125	pm on May 15, 2023 in ROSWELL, NM 88201.

Received by OCD: 7/14/2023 12:26:35 PM

Read & Stevens - Bane BS Case Nos. 23508-23211 Postal Delivery Report

						Your item was delivered to an individual at the
0444044000765424600244		7742 Claushauman Cin	D-II	TV	75225 2054	address at 4:17 pm on May 15, 2023 in DALLAS, TX
9414811898765424688241	Union Hill Oil & Gas Co., Inc.	7712 Glenshannon Cir	Dallas	TX	75225-2054	75225. Your item was delivered to an individual at the
						address at 1:19 pm on May 16, 2023 in CHARLOTTE,
9414811898765424688289	Weimer Inc	6842 N Baltusrol Ln	Charlotte	NC	28210-7364	NC 28210.
3414611636703424066263	Weimer, inc.	0842 N Baltusi Oi Lii	Charlotte	IVC	28210-7304	Your item was delivered to the front desk, reception
						area, or mail room at 5:24 pm on May 15, 2023 in
9414811898765424688234	Wilhanks Properties Inc	450 E 17th Ave Unit 220	Denver	СО	80203-1254	DENVER, CO 80203.
J+1+0110J070J+2+0002J+	Wilbanks Froperties inc.	450 E 17 (11 AVE 0111(220	Deliver		00203-1234	Your item was delivered to the front desk, reception
						area, or mail room at 5:24 pm on May 15, 2023 in
9414811898765424688272	Wilbanks Reserve Corporation	450 E 17th Ave Unit 220	Denver	СО	80203-1254	DENVER, CO 80203.
5414011030703424000272	Wildeliks Reserve corporation	430 E 17 (11 AVE 0111 220	Denver		00203 1234	Your item was delivered to the front desk, reception
						area, or mail room at 5:23 pm on May 15, 2023 in
9414811898765424688814	Wilbanks Reserve Partners, LLC	450 E 17th Ave Unit 220	Denver	СО	80203-1254	DENVER, CO 80203.
3111011030703121000011	Williams Reserve Farmers, EEe	130 2 17 (117 (10 0111) 220	Denver		00203 123 1	Your item was delivered to the front desk, reception
						area, or mail room at 2:17 pm on May 15, 2023 in
9414811898765424688852	Zorro Partners, Ltd.	616 Texas St	Fort Worth	TX	76102-4612	FORT WORTH, TX 76102.
3 12 10220307 00 12 1000032	20110 1 01 01010, 2001	010 10/00 00		177	70102 1012	Your item was picked up at the post office at 9:47
9414811898765424680412	Bean Family Ltd. Company	PO Box 45750	Rio Rancho	NM	87174-5750	am on May 19, 2023 in RIO RANCHO, NM 87124.
3 12 10220307 03 12 1000 122	Jean Lanny Lear Company		THE HAITERING		0,1,,0,00	Your item was delivered at 1:37 pm on May 16,
9414811898765424688869	Thomas and Carolyn Beall	PO Box 3098	Midland	TX	79702-3098	2023 in MIDLAND, TX 79701.
	,					Your item was delivered to the front desk, reception
						area, or mail room at 4:25 pm on May 19, 2023 in
9414811898765424688807	Bruce Alan MacNaughton	PO Box 1227	Los Gatos	CA	95031-1227	LOS GATOS, CA 95030.
						Your item was delivered to the front desk, reception
						area, or mail room at 4:25 pm on May 19, 2023 in
9414811898765424688890	B&N Energy, LLC	PO Box 1227	Los Gatos	CA	95031-1227	LOS GATOS, CA 95030.
						Your item has been delivered to an agent for final
						delivery in DALLAS, TX 75243 on May 15, 2023 at
9414811898765424688845	Highland Texas Energy Company	11886 Greenville Ave Ste 106	Dallas	TX	75243-3569	2:14 pm.
						Your item has been delivered to an agent for final
						delivery in DALLAS, TX 75243 on May 15, 2023 at
9414811898765424688883	Richardson Oil Company, LLC	11886 Greenville Ave Ste 106	Dallas	TX	75243-3569	2:14 pm.
						Your item was picked up at the post office at 12:01
9414811898765424688838	Tierra Encantada, LLC	PO Box 811	Roswell	NM	88202-0811	pm on May 16, 2023 in ROSWELL, NM 88201.
						Your item was picked up at a postal facility at 10:05
9414811898765424688876	Watson Properties, LLC	3905 Futura Dr	Roswell	NM	88201-6797	am on May 25, 2023 in SANTA FE, NM 87501.
						Your item was delivered to an individual at the
						address at 12:14 pm on May 15, 2023 in HOUSTON,
9414811898765424688715	Apache Corporation	2000 Post Oak Blvd Ste 100	Houston	TX	77056-4497	TX 77056.
						Your item was picked up at the post office at 11:44
9414811898765424688753	Estoril Producing Company	PO Box 4815	Midland	TX	79704-4815	am on May 26, 2023 in MIDLAND, TX 79704.
						Your item has been delivered to the original sender
9414811898765424688722	Lincoln Oil and Gas, LLC	701 Three Cross Dr	Roswell	NM	88201-7831	at 9:16 am on June 1, 2023 in SANTA FE, NM 87501.

Read Stevens - Bane Case nos. 23508-23211 Postal Delivery Report

						Your item was delivered to an individual at the
						address at 11:10 am on May 15, 2023 in OKLAHOMA
9414811898765424680450	Bernhardt Oil Corporation	12170 Jaycie Cir	Midwest City	OK	73130-8459	CITY, OK 73130.
						Your item has been delivered to the original sender
9414811898765424688791	Haskell H. Bass Jr.	929 E Britton Rd	Oklahoma City	OK	73114-7802	at 9:16 am on June 8, 2023 in SANTA FE, NM 87501.
						Your item has been delivered to the original sender
9414811898765424688746	Aquila Energy Resources	10370 Richmond Ave Ste 700	Houston	TX	77042-4136	at 9:16 am on June 8, 2023 in SANTA FE, NM 87501.
						Your item was picked up at a postal facility at 9:16
9414811898765424688739	William A. Bradshaw	701 Three Cross Dr	Roswell	NM	88201-7831	am on June 1, 2023 in SANTA FE, NM 87501.
						Your package will arrive later than expected, but is
						still on its way. It is currently in transit to the next
9414811898765424688777	Bernadine Glenn	2333 Ashley River Rd Apt 802	Charleston	SC	29414-4842	facility.
						Your item has been delivered to the original sender
9414811898765424688913	HHB LP	929 E Britton Rd	Oklahoma City	OK	73114-7802	at 9:16 am on June 8, 2023 in SANTA FE, NM 87501.
						Your item was picked up at the post office at 9:06
9414811898765424680467	CBR Oil Properties LLC	PO Box 1518	Roswell	NM	88202-1518	am on May 16, 2023 in ROSWELL, NM 88201.
						Your item has been delivered to an agent for final
						delivery in MIDLAND, TX 79703 on May 15, 2023 at
9414811898765424680429	Challenger Crude, Ltd.	3525 Andrews Hwy	Midland	TX	79703-5056	10:59 am.
						Your item was picked up at the post office at 11:12
9414811898765424680405	Chase Oil Corporation	PO Box 1767	Artesia	NM	88211-1767	am on May 15, 2023 in ARTESIA, NM 88210.
						Your item was delivered to an individual at the
						address at 11:11 am on May 22, 2023 in MIDLAND,
9414811898765424680498	Cimarex Energy Co. Coterra Energy	600 N Marienfeld St Ste 600	Midland	TX	79701-4405	TX 79706.
	Delmar Hudson Lewis Living					Your item was delivered to an individual at the
	Trust,Bank of America, N.A.,					address at 11:56 am on May 22, 2023 in FORT
9414811898765424680436	Trustee	PO Box 2546	Fort Worth	TX	76113-2546	WORTH, TX 76102.

APPLICATION OF READ & STEVENS, INC. FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO.

CASE NO. 23512

AFFIDAVIT

STATE OF NEW MEXICO)
) ss.
COUNTY OF SANTA FE)

Adam G. Rankin, attorney in fact and authorized representative of the Applicant herein, being first duly sworn, upon oath, states

- 1. The above-referenced application and notice of the hearing on this application was sent by certified mail to the affected parties on the date set forth in the letter attached hereto.
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Adam G. Rankin

Rankin.

My Commission Expires:

STATE OF NEW MEXICO NOTARY PUBLIC KARI D PEREZ COMMISSION # 1138272

Notary Public

COMMISSION EXPIRES 06/28/2026



May 12, 2023

VIA CERTIFIED MAIL **CERTIFIED RECEIPT REQUESTED**

TO: ALL INTEREST OWNERS SUBJECT TO POOLING PROCEEDINGS

Application of Permian Resources Operating, LLC for Compulsory Pooling, Re: Lea County, New Mexico: Bane 4-9 Federal Com 201H well

Ladies & Gentlemen:

This letter is to advise you that Read & Stevens, Inc. has filed the enclosed application with the New Mexico Oil Conservation Division. A hearing has been requested before a Division Examiner on June 1, 2023, beginning at 8:15 a.m., and the status of the hearing can be monitored through the Division's website at https://www.emnrd.nm.gov/ocd/.

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Sincerely,

Adam G. Rankin

APPLICATION OF READ & STEVENS, INC. FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO.

CASE NO. 23513

AFFIDAVIT

STATE OF NEW MEXICO)
) ss.
COUNTY OF SANTA FE)

Adam G. Rankin, attorney in fact and authorized representative of the Applicant herein, being first duly sworn, upon oath, states

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Adam G. Rankin

Rankin.

My Commission Expires:

Notary Public

STATE OF NEW MEXICO
NOTARY PUBLIC
KARI D PEREZ
COMMISSION # 1138272
COMMISSION EXPIRES 06/28/2026



May 12, 2023

VIA CERTIFIED MAIL **CERTIFIED RECEIPT REQUESTED**

TO: ALL INTEREST OWNERS SUBJECT TO POOLING PROCEEDINGS

Re: Application of Permian Resources Operating, LLC for Compulsory Pooling, Lea County, New Mexico: Bane 4-9 Federal Com 202H well

Ladies & Gentlemen:

This letter is to advise you that Read & Stevens, Inc. has filed the enclosed application with the New Mexico Oil Conservation Division. A hearing has been requested before a Division Examiner on June 1, 2023, beginning at 8:15 a.m., and the status of the hearing can be monitored through the Division's website at https://www.emnrd.nm.gov/ocd/.

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If you have any questions about this matter, please contact Travis Macha at (432) 400-1037 or travis.macha@permianres.com.

Sincerely,

Adam G. Rankin

APPLICATION OF READ & STEVENS, INC. FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO.

CASE NO. 23514

AFFIDAVIT

STATE OF NEW MEXICO)
) ss.
COUNTY OF SANTA FE)

Adam G. Rankin, attorney in fact and authorized representative of the Applicant herein, being first duly sworn, upon oath, states

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- 3. The spreadsheet attached hereto contains the information provided by the United States Postal Service on the status of the delivery of this notice as of July 12, 2023.
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Adam G. Rankin

Rankin.

Notary Public

My Commission Expires:

STATE OF NEW MEXICO NOTARY PUBLIC KARI D PEREZ COMMISSION # 1138272 COMMISSION EXPIRES 06/28/2026



May 12, 2023

VIA CERTIFIED MAIL **CERTIFIED RECEIPT REQUESTED**

TO: ALL INTEREST OWNERS SUBJECT TO POOLING PROCEEDINGS

Re: Application of Permian Resources Operating, LLC for Compulsory Pooling, Lea County, New Mexico: Bane 4-9 Federal Com 203H well

Ladies & Gentlemen:

This letter is to advise you that Read & Stevens, Inc. has filed the enclosed application with the New Mexico Oil Conservation Division. A hearing has been requested before a Division Examiner on June 1, 2023, beginning at 8:15 a.m., and the status of the hearing can be monitored through the Division's website at https://www.emnrd.nm.gov/ocd/.

Due to ongoing construction and associated space limitations at the Wendell Chino Building, Parties, Counsel for Parties, and the public are encouraged to attend/participate via the Webex Meeting platform. To participate in the electronic hearing, see the instructions posted on the OCD Hearings https://www.emnrd.nm.gov/ocd/hearing-info/.

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If you have any questions about this matter, please contact Travis Macha at (432) 400-1037 or travis.macha@permianres.com.

Sincerely,

Adam G. Rankin

APPLICATIONS OF READ & STEVENS, INC. FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO.

CASE NO. 23515

<u>AFFIDAVIT</u>

STATE OF NEW MEXICO)
) ss.
COUNTY OF SANTA FE)

Adam G. Rankin, attorney in fact and authorized representative of the Applicant herein, being first duly sworn, upon oath, states

- 1. The above-referenced application and notice of the hearing on this application was sent by certified mail to the affected parties on the date set forth in the letter attached hereto.
- 2. The spreadsheet attached hereto contains the names of the parties to whom notice was provided.
- 3. The spreadsheet attached hereto contains the information provided by the United States Postal Service on the status of the delivery of this notice as of July 12, 2023.
- 4. I caused a notice to be published to all parties subject to these proceedings on May 16, 2023. An affidavit of publication from the publication's legal clerk with a copy of the notice publication is attached as Exhibit H.

Adam G Rankin

Rankin.

My Commission Expires:

STATE OF NEW MEXICO NOTARY PUBLIC KARI D PEREZ COMMISSION # 1138272

Notary Public

COMMISSION EXPIRES 06/28/2026



May 12, 2023

VIA CERTIFIED MAIL CERTIFIED RECEIPT REQUESTED

TO: ALL INTEREST OWNERS SUBJECT TO POOLING PROCEEDINGS

Re: Application of Permian Resources Operating, LLC for Compulsory Pooling, Lea County, New Mexico: Bane 4-9 Federal Com 204H well

Ladies & Gentlemen:

This letter is to advise you that Read & Stevens, Inc. has filed the enclosed application with the New Mexico Oil Conservation Division. A hearing has been requested before a Division Examiner on June 1, 2023, beginning at 8:15 a.m., and the status of the hearing can be monitored through the Division's website at https://www.emnrd.nm.gov/ocd/.

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You are not required to attend this hearing, but as an owner of an interest that may be affected by this application, you may appear and present testimony. Failure to appear at that time and become a party of record will preclude you from challenging the matter at a later date. Parties appearing in cases are required to file a Pre-hearing Statement four business days in advance of a scheduled hearing that complies with the provisions of NMAC 19.15.4.13.B.

If you have any questions about this matter, please contact Travis Macha at (432) 400-1037 or travis.macha@permianres.com.

Sincerely,

Adam G. Rankin

TrackingNo	ToName	DeliveryAddress	City	State	Zip	USPS_Status
						Your item was delivered at 10:39 am on May
9414811898765424688562	Ard Oil Ltd.	PO Box 101027	Fort Worth	TX	76185-1027	15, 2023 in FORT WORTH, TX 76185.
						Your package will arrive later than expected,
						but is still on its way. It is currently in transit to
9414811898765424687206	Foran Oil Company	5400 Lbj Fwy Ste 1500	Dallas	TX	75240-1017	the next facility.
						Your item was delivered to an individual at the
						address at 3:02 pm on May 15, 2023 in DALLAS,
9414811898765424687299	Hillier, LLC	6046 Azalea Ln	Dallas	TX	75230-3406	TX 75230.
						Your package will arrive later than expected,
						but is still on its way. It is currently in transit to
9414811898765424687282	HOG Partnership, LP	5950 Cedar Springs Rd Ofc 200	Dallas	TX	75235-6805	the next facility.
	·					Your item was delivered to an individual at the
						address at 2:16 pm on May 15, 2023 in FORT
9414811898765424687237	Hudson, William A., II	18 Valley Ridge Rd	Fort Worth	TX	76107-3111	WORTH, TX 76107.
		, 5				,
						Your item was delivered to the front desk,
						reception area, or mail room at 2:17 pm on
9414811898765424687275	Javelina Partners	616 Texas St	Fort Worth	TX	76102-4612	May 15, 2023 in FORT WORTH, TX 76102.
						Your item has been delivered and is available at
	FBO J. Terrell Ard, Josephine T. Hudson					a PO Box at 9:23 am on May 15, 2023 in SAN
9414811898765424687855	Testamentary Trust	PO Box 1600	San Antonio	TX	78296-1600	ANTONIO, TX 78205.
5 .1 .6116367 65 .1 .667 655	Testamentary mast		oun / miconio	1.71	70200 2000	Your item was delivered to an individual at the
						address at 11:37 am on May 15, 2023 in
9414811898765424687824	Lindys Living Trust,	215 W Bandera Rd Ste 114-620	Boerne	TX	78006-2820	BOERNE, TX 78006.
3414011030703424007024	Emays Eiving Trast,	213 W Buildera Na Ste 114 020	Востис	17	70000 2020	Your item was picked up at the post office at
						10:58 am on June 29, 2023 in SANTA FE, NM
9414811898765424687800	Magnum Hunter Production, Inc.	600 N Marienfeld St Ste 600	Midland	TY	79701-4405	,
3414811838703424087800	wagnum numer Froduction, mc.	ooo w wanemen st ste ooo	Iviidiaiid	17	73701-4403	Your item has been delivered to an agent for
						final delivery in DENVER, CO 80203 on May 16,
9414811898765424687893	Marks Oil, Inc.	1775 N Sherman St Ste 2015	Denver	co	90202 4210	2023 at 5:24 pm.
3414811838703424087833	ivial k3 Oii, iiic.	1773 N Sherman St Ste 2013	Delivei	CO	80203-4319	Your item was delivered to an individual at the
						address at 1:06 pm on May 16, 2023 in
9414811898765424687886	Moore and Shelton Company, Lt d.	1011 23rd St	Galveston	TV	77550 4620	GALVESTON, TX 77550.
9414611696703424067880	Moore and Shelton Company, Lt d.	1011 2510 30	Gaiveston	17	77550-4650	Your item has been delivered to the original
						sender at 10:58 am on June 29, 2023 in SANTA
9414811898765424688524	Avalon Energy Corporation	PO Box 2458	Midland	TV	70702 2450	FE, NM 87501.
5414611696/65424686524	Avaion chergy corporation	PU DUX 2438	iviidiand	IX	79702-2458	Your package will arrive later than expected,
0.41.401.10007.07.42.4.007.024	MDC Dormion Commercial	[400 l h; Fun, Sto 4500	Dallas	TV	75240 4047	but is still on its way. It is currently in transit to
9414811898765424687831	MRC Permian Company	5400 Lbj Fwy Ste 1500	Dallas	IX	/5240-101/	the next facility. Your item was delivered to an individual at the
0.44.404.40007.05.43.4.007.070	Sandatana Dagagartia 2006	40 First Diseas Charles St. CO.	A IIa	N 1 0 4	07402 2255	address at 2:05 pm on May 17, 2023 in
9414811898765424687879	Sanustone Properties, LLC	40 First Plaza Ctr NW Ste 601-N	Albuquerque	IVIVI	8/102-3355	ALBUQUERQUE, NM 87102.

						Your item was delivered to an individual at the
						address at 2:05 pm on May 17, 2023 in
9414811898765424687756	Sandstone Properties, LLC	200 3rd St NW	Albuquerque	NM	87102-3334	ALBUQUERQUE, NM 87102.
						Your item was picked up at the post office at
						3:52 pm on May 15, 2023 in ROSWELL, NM
9414811898765424687763	Sealy Hutchings Cavin, Inc.	PO Box 1125	Roswell	NM	88202-1125	
						Your item was delivered to an individual at the
						address at 4:17 pm on May 15, 2023 in DALLAS,
9414811898765424687725	Union Hill Oil & Gas Co., Inc.	7712 Glenshannon Cir	Dallas	TX	75225-2054	
						Your item was delivered to an individual at the
						address at 1:20 pm on May 16, 2023 in
9414811898765424687701	Weimer, Inc.	6842 N Baltusrol Ln	Charlotte	NC	28210-7364	CHARLOTTE, NC 28210.
						Your item was delivered to the front desk,
0.44.404.4.0007.05.42.4.007.70.4	MCHIBII	450 5 47th A - 11-11 220		60	00000 4054	reception area, or mail room at 5:23 pm on
9414811898765424687794	Wilbanks Properties Inc.	450 E 17th Ave Unit 220	Denver	CO	80203-1254	May 15, 2023 in DENVER, CO 80203. Your item was delivered to the front desk,
						reception area, or mail room at 5:23 pm on
9414811898765424687749	Wilbanks Reserve Corporation	450 E 17th Ave Unit 220	Denver	CO	90202 1254	May 15, 2023 in DENVER, CO 80203.
9414011090/0542400//49	Wilbaliks Reserve Corporation	450 E 17tii Ave Ollit 220	Deliver	CO	00205-1254	Your item was delivered to the front desk,
						reception area, or mail room at 5:23 pm on
9414811898765424687787	Wilbanks Reserve Partners, LLC	450 E 17th Ave Unit 220	Denver	CO	20202-1254	May 15, 2023 in DENVER, CO 80203.
3414811838703424087787	Wildalks Reserve Falthers, LLC	430 L 17tii Ave Oliit 220	Delivei	CO	80203-1234	Way 13, 2023 III DEWVER, CO 80203.
						Your item was delivered to the front desk,
						reception area, or mail room at 2:17 pm on
9414811898765424687770	Zorro Partners, Ltd.	616 Texas St	Fort Worth	TX	76102-4612	May 15, 2023 in FORT WORTH, TX 76102.
						Your item was picked up at the post office at
						9:47 am on May 19, 2023 in RIO RANCHO, NM
9414811898765424688593	Bean Family Ltd. Company	PO Box 45750	Rio Rancho	NM	87174-5750	
						Your item was delivered at 1:37 pm on May 16,
9414811898765424687916	Thomas and Carolyn Beall	PO Box 3098	Midland	TX	79702-3098	2023 in MIDLAND, TX 79701.
						Your item was delivered to the front desk,
						reception area, or mail room at 4:25 pm on
9414811898765424687954	Bruce Alan MacNaughton	PO Box 1227	Los Gatos	CA	95031-1227	May 19, 2023 in LOS GATOS, CA 95030.
9414811898765424687961	B&N Energy, LLC	PO Box 1227	Los Gatos	CA	95031-1227	
						Your item has been delivered to an agent for
						final delivery in DALLAS, TX 75243 on May 15,
9414811898765424687909	Highland Texas Energy Company	11886 Greenville Ave Ste 106	Dallas	TX	75243-3569	2023 at 2:14 pm.
						Your item has been delivered to an agent for
						final delivery in DALLAS, TX 75243 on May 15,
9414811898765424687992	Richardson Oil Company, LLC	11886 Greenville Ave Ste 106	Dallas	TX	75243-3569	2023 at 2:14 pm.

						Your item was picked up at the post office at 12:01 pm on May 16, 2023 in ROSWELL, NM
9414811898765424687947	Tierra Encantada, LLC	PO Box 811	Roswell	NM	88202-0811	
						Your package will arrive later than expected,
						but is still on its way. It is currently in transit to
9414811898765424687985	Watson Properties, LLC	3905 Futura Dr	Roswell	NM	88201-6797	the next facility.
						Your item was delivered to an individual at the
						address at 12:14 pm on May 15, 2023 in
9414811898765424687930	Apache Corporation	2000 Post Oak Blvd Ste 100	Houston	TX	77056-4497	HOUSTON, TX 77056.
						Your item was picked up at the post office at
9414811898765424687978	Estoril Producing Company	PO Box 4815	Midland	TV	79704-4815	11:44 am on May 26, 2023 in MIDLAND, TX
9414811898705424087978	estorii Producing Company	PO BOX 4815	IVIIGIANG	IX	79704-4815	Your item has been delivered to the original
						sender at 9:16 am on June 1, 2023 in SANTA FE,
9414811898765424687657	Lincoln Oil and Gas, LLC	701 Three Cross Dr	Roswell	NM	88201-7831	
3 12 10220307 00 12 1007 007	2	7 02 1111 00 01000 21			002017001	Your item was delivered to an individual at the
						address at 11:10 am on May 15, 2023 in
9414811898765424688548	Bernhardt Oil Corporation	12170 Jaycie Cir	Midwest City	ОК	73130-8459	OKLAHOMA CITY, OK 73130.
						Your package will arrive later than expected,
						but is still on its way. It is currently in transit to
9414811898765424687664	Haskell H. Bass Jr.	929 E Britton Rd	Oklahoma City	ОК	73114-7802	the next facility.
						Your item has been delivered to the original
						sender at 9:16 am on June 1, 2023 in SANTA FE,
9414811898765424687626	Aquila Energy Resources	10370 Richmond Ave Ste 700	Houston	TX	77042-4136	
						Your item has been delivered to the original
044 404 4 0007 (5 42 4 60 7 60 2	Millians A. Duadaha	704 Thurs Cours Do	D II	212.4	00204 7024	sender at 9:16 am on June 1, 2023 in SANTA FE,
9414811898765424687602	William A. Bradshaw	701 Three Cross Dr	Roswell	NIVI	88201-7831	Your package will arrive later than expected,
						but is still on its way. It is currently in transit to
9414811898765424687695	Bernadine Glenn	2333 Ashley River Rd Apt 802	Charleston	SC	29/1/1-/18/12	the next facility.
3.12-01103070372-007033		2000 / Sincy River Ru Apt 802	Charicaton	30	23717 7072	Your package will arrive later than expected,
						but is still on its way. It is currently in transit to
9414811898765424687688	HHB LP	929 E Britton Rd	Oklahoma City	ОК	73114-7802	the next facility.
			<i>'</i>			Your item was picked up at the post office at
						9:16 am on May 15, 2023 in ROSWELL, NM
9414811898765424688586	CBR Oil Properties LLC	PO Box 1518	Roswell	NM	88202-1518	
						Your item has been delivered to an agent for
						final delivery in MIDLAND, TX 79703 on May
9414811898765424688531	Challenger Crude, Ltd.	3525 Andrews Hwy	Midland	TX	79703-5056	15, 2023 at 10:59 am.
						Your item was picked up at the post office at
0.44.404.4000765.40.46075.5		20 2 4767			00044 4=5=	11:12 am on May 15, 2023 in ARTESIA, NM
9414811898765424687213	Chase Oil Corporation	PO Box 1767	Artesia	NM	88211-1767	88210.

Received by OCD: 7/14/2023 12:26:35 PM

						Your item was delivered to an individual at the
						address at 2:09 pm on June 20, 2023 in
9414811898765424687251	Cimarex Energy Co. Coterra Energy	600 N Marienfeld St Ste 600	Midland	TX	79701-4405	MIDLAND, TX 79706.
						Your item was delivered to an individual at the
	Delmar Hudson Lewis Living Trust,					address at 11:56 am on May 22, 2023 in FORT
9414811898765424687220	Bank of America, N.A., Trustee	PO Box 2546	Fort Worth	TX	76113-2546	WORTH, TX 76102.

APPLICATIONS OF READ & STEVENS, INC. FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO.

CASE NO. 23516

AFFIDAVIT

STATE OF NEW MEXICO)	
)	SS
COUNTY OF SANTA FE)	

Adam G. Rankin, attorney in fact and authorized representative of the Applicant herein, being first duly sworn, upon oath, states

- 1. The above-referenced application and notice of the hearing on this application was sent by certified mail to the affected parties on the date set forth in the letter attached hereto.
- 2. The spreadsheet attached hereto contains the names of the parties to whom notice was provided.
- 3. The spreadsheet attached hereto contains the information provided by the United States Postal Service on the status of the delivery of this notice as of July 12, 2023.
- 4. I caused a notice to be published to all parties subject to these proceedings on May 14, 2023. An affidavit of publication from the publication's legal clerk with a copy of the notice publication is attached as Exhibit H.

Rankin.

My Commission Expires:

STATE OF NEW MEXICO NOTARY PUBLIC KARI D PEREZ COMMISSION # 1138272

Notary Public

COMMISSION EXPIRES 06/28/2026



Adam G. Rankin **Partner Phone** (505) 988-4421 Email agrankin@hollandhart.com

May 12, 2023

VIA CERTIFIED MAIL **CERTIFIED RECEIPT REQUESTED**

TO: ALL INTEREST OWNERS SUBJECT TO POOLING PROCEEDINGS

Application of Permian Resources Operating, LLC for Compulsory Pooling, Re: Lea County, New Mexico: Joker 5-8 Federal Com 111H, 121H, 122H, 171H, and 131H wells

Ladies & Gentlemen:

This letter is to advise you that Read & Stevens, Inc. has filed the enclosed application with the New Mexico Oil Conservation Division. A hearing has been requested before a Division Examiner on June 1, 2023, beginning at 8:15 a.m., and the status of the hearing can be monitored through the Division's website at https://www.emnrd.nm.gov/ocd/.

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If you have any questions about this matter, please contact Travis Macha at (432) 400-1037 or travis.macha@permianres.com.

Sincerely.

Adam G. Rankin

APPLICATIONS OF READ & STEVENS, INC. FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO.

CASE NO. 23517

AFFIDAVIT

STATE OF NEW MEXICO)
) ss.
COUNTY OF SANTA FE)

Adam G. Rankin, attorney in fact and authorized representative of the Applicant herein, being first duly sworn, upon oath, states

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Rankin.

Notary Public

My Commission Expires:

STATE OF NEW MEXICO NOTARY PUBLIC KARI D PEREZ COMMISSION # 1138272

COMMISSION EXPIRES 06/28/2026

May 12, 2023

VIA CERTIFIED MAIL CERTIFIED RECEIPT REQUESTED

TO: ALL INTEREST OWNERS SUBJECT TO POOLING PROCEEDINGS

Application of Permian Resources Operating, LLC for Compulsory Pooling, Lea County, New Mexico: Joker 5-8 Federal Com 112H, 123H, 124H, 172H, 132H

Ladies & Gentlemen:

This letter is to advise you that Read & Stevens, Inc. has filed the enclosed application with the New Mexico Oil Conservation Division. A hearing has been requested before a Division Examiner on June 1, 2023, beginning at 8:15 a.m., and the status of the hearing can be monitored through the Division's website at https://www.emnrd.nm.gov/ocd/.

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If you have any questions about this matter, please contact Travis Macha at (432) 400-1037 or travis.macha@permianres.com.

Sincerely,

Adam G. Rankin

APPLICATIONS OF READ & STEVENS, INC. FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO.

CASE NO. 23518

<u>AFFIDAVIT</u>

STATE OF NEW MEXICO)
) ss.
COUNTY OF SANTA FE)

Adam G. Rankin, attorney in fact and authorized representative of the Applicant herein, being first duly sworn, upon oath, states

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Rankin.

My Commission Expires:

STATE OF NEW MEXICO NOTARY PUBLIC KARI D PEREZ COMMISSION # 1138272

Notary Public

COMMISSION EXPIRES 06/28/2026



Adam G. Rankin **Partner Phone** (505) 988-4421 Email agrankin@hollandhart.com

May 12, 2023

VIA CERTIFIED MAIL **CERTIFIED RECEIPT REQUESTED**

TO: ALL INTEREST OWNERS SUBJECT TO POOLING PROCEEDINGS

Re: Application of Permian Resources Operating, LLC for Compulsory Pooling, Lea County, New Mexico: Joker 5-8 Federal Com 113H, 125H, 126H, 173H, 133H

Ladies & Gentlemen:

This letter is to advise you that Read & Stevens, Inc. has filed the enclosed application with the New Mexico Oil Conservation Division. A hearing has been requested before a Division Examiner on June 1, 2023, beginning at 8:15 a.m., and the status of the hearing can be monitored through the Division's website at https://www.emnrd.nm.gov/ocd/.

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Sincerely.

Adam G. Rankin

APPLICATIONS OF READ & STEVENS, INC. FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO.

CASE NO. 23519

AFFIDAVIT

STATE OF NEW MEXICO)
) ss
COUNTY OF SANTA FE)

Adam G. Rankin, attorney in fact and authorized representative of the Applicant herein, being first duly sworn, upon oath, states

- 1. The above-referenced application and notice of the hearing on this application was sent by certified mail to the affected parties on the date set forth in the letter attached hereto.
- 2. The spreadsheet attached hereto contains the names of the parties to whom notice was provided.
- 3. The spreadsheet attached hereto contains the information provided by the United States Postal Service on the status of the delivery of this notice as of July 12, 2023.
- 4. I caused a notice to be published to all parties subject to these proceedings on May 14, 2023. An affidavit of publication from the publication's legal clerk with a copy of the notice publication is attached as Exhibit H.

Rankin.

My Commission Expires:

STATE OF NEW MEXICO NOTARY PUBLIC

Notary Public

KARI D PEREZ COMMISSION # 1138272 COMMISSION EXPIRES 06/28/2026

Released to Imaging: 7/14/2023 1:35:37 PM



Adam G. Rankin **Partner Phone** (505) 988-4421 Email agrankin@hollandhart.com

May 12, 2023

VIA CERTIFIED MAIL **CERTIFIED RECEIPT REQUESTED**

TO: ALL INTEREST OWNERS SUBJECT TO POOLING PROCEEDINGS

Re: Application of Permian Resources Operating, LLC for Compulsory Pooling, Lea County, New Mexico: Joker 5-8 Federal Com 114H, 127H, 128H, 174H, 134H wells

Ladies & Gentlemen:

This letter is to advise you that Read & Stevens, Inc. has filed the enclosed application with the New Mexico Oil Conservation Division. A hearing has been requested before a Division Examiner on June 1, 2023, beginning at 8:15 a.m., and the status of the hearing can be monitored through the Division's website at https://www.emnrd.nm.gov/ocd/.

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Sincerely.

Adam G. Rankin

TrackingNo	ToName	DeliveryAddress	City	State	Zip	USPS_Status
						Your item was delivered at 10:39 am
9414811898765424687633	Ard Oil Ltd.	PO Box 101027	Fort Worth	TX	76185-1027	on May 15, 2023 in FORT WORTH, TX
						Your item was delivered to an
	Delmar Hudson Lewis Living Trust,Bank of					individual at the address at 11:56 am
9414811898765424687183	America, N.A., Trustee	PO Box 2546	Fort Worth	TX	76113-2546	on May 22, 2023 in FORT WORTH, TX
						Your package will arrive later than
						expected, but is still on its way. It is
9414811898765424687138	Foran Oil Company	5400 Lbj Fwy Ste 1500	Dallas	TX	75240-1017	currently in transit to the next facility.
						Your item was delivered to an
						individual at the address at 3:02 pm
9414811898765424687176	Hillier, LLC	6046 Azalea Ln	Dallas	TX	75230-3406	on May 15, 2023 in DALLAS, TX 75230.
						Your package will arrive later than
						expected, but is still on its way. It is
9414811898765424687367	HOG Partnership, LP	5950 Cedar Springs Rd Ofc 200	Dallas	TX	75235-6805	currently in transit to the next facility.
						Your item was delivered to an
						individual at the address at 2:16 pm
9414811898765424687329	Hudson, William A., II	18 Valley Ridge Rd	Fort Worth	TX	76107-3111	on May 15, 2023 in FORT WORTH, TX
						Your item was delivered to the front
						desk, reception area, or mail room at
						2:17 pm on May 15, 2023 in FORT
9414811898765424687305	Javelina Partners	616 Texas St	Fort Worth	TX	76102-4612	WORTH, TX 76102.
						Your item has been delivered and is
	Josephine T. Hudson Testamentary Trust					available at a PO Box at 9:23 am on
9414811898765424687398	FBO J. Terrell Ard, Frost Bank, Trustee	PO Box 1600	San Antonio	TX	78296-1600	May 15, 2023 in SAN ANTONIO, TX
						Your item was delivered to an
	Lindys Living Trust, Francis H. Hudson,					individual at the address at 11:37 am
9414811898765424687381	Trustee	215 W Bandera Rd Ste 114-620	Boerne	TX	78006-2820	on May 15, 2023 in BOERNE, TX
						Your item was picked up at a postal
						facility at 9:16 am on June 8, 2023 in
9414811898765424687336	Magnum Hunter Production, Inc.	600 N Marienfeld St Ste 600	Midland	TX	79701-4405	SANTA FE, NM 87501.
						Your item has been delivered to an
						agent for final delivery in DENVER, CO
9414811898765424687374	Marks Oil, Inc.	1775 N Sherman St Ste 2015	Denver	СО	80203-4319	80203 on May 16, 2023 at 5:24 pm.
						Your item has been delivered to the
						original sender at 10:58 am on June
9414811898765424687671	Avalon Energy Corporation	PO Box 2458	Midland	TX	79702-2458	29, 2023 in SANTA FE, NM 87501.
						Your package will arrive later than
						expected, but is still on its way. It is
9414811898765424687015	Moore and Shelton Company, Lt d.	1011 23rd St	Galveston	TX	77550-4630	currently in transit to the next facility.

						Your package will arrive later than
						expected, but is still on its way. It is
9414811898765424687053	MRC Permian Company	5400 Lbj Fwy Ste 1500	Dallas	TX	75240-1017	currently in transit to the next facility.
						Your package will arrive later than
	Prime Rock Resources Agentco, Inc., as					expected, but is still on its way. It is
9414811898765424687060	Nominee F/B/O Prime Rock Res	2 Riverway Ste 1870	Houston	TX	77056-1939	currently in transit to the next facility.
						Your item was delivered to an
						individual at the address at 2:05 pm
9414811898765424687022	Sandstone Properties, LLC	40 First Plaza Ctr NW Ste 601-N	Albuquerque	NM	87102-3355	on May 17, 2023 in ALBUQUERQUE,
						Your item was delivered to an
						individual at the address at 2:05 pm
9414811898765424687008	Sandstone Properties, LLC	200 3rd St NW	Albuquerque	NM	87102-3334	on May 17, 2023 in ALBUQUERQUE,
						Your item was picked up at the post
						office at 3:52 pm on May 15, 2023 in
9414811898765424687091	Sealy Hutchings Cavin, Inc.	PO Box 1125	Roswell	NM	88202-1125	ROSWELL, NM 88201.
						Your item was delivered to an
						individual at the address at 4:17 pm
9414811898765424687084	Union Hill Oil & Gas Co., Inc.	7712 Glenshannon Cir	Dallas	TX	75225-2054	on May 15, 2023 in DALLAS, TX 75225.
						Your item was delivered at 7:47 am
						on May 17, 2023 in ALBUQUERQUE,
9414811898765424687039	Warren Associates	PO Box 10400	Albuquerque	NM	87184-0400	
						Your item was delivered to an
	l					individual at the address at 1:19 pm
9414811898765424687077	Weimer, Inc.	6842 N Baltusrol Ln	Charlotte	NC	28210-7364	on May 16, 2023 in CHARLOTTE, NC
						Your item was delivered to the front
						desk, reception area, or mail room at
0444044000765404607450	William by Duran antian Inc.	450 5 4711 4 11 11 222		60	00000 4054	5:24 pm on May 15, 2023 in DENVER,
9414811898765424687459	Wilbanks Properties Inc.	450 E 17th Ave Unit 220	Denver	СО	80203-1254	
						Your item was picked up at the post
0414011000765424607114	Book Foreity Ltd. Commons	DO Day 45750	Die Demeke	NIN A	07174 5750	office at 9:47 am on May 19, 2023 in
9414811898765424687114	Bean Family Ltd. Company	PO Box 45750	Rio Rancho	NM	8/1/4-5/50	RIO RANCHO, NM 87124. Your item was delivered to the front
						desk, reception area, or mail room at
						5:24 pm on May 15, 2023 in DENVER,
0414011000765424607466	Wilbanks Reserve Corporation	450 E 17th Ave Unit 220	Denver	CO	80203-1254	
9414811898703424087400	Wilbanks Reserve Corporation	450 E 17th Ave Offit 220	Denver	CO	80203-1254	Your item was delivered to the front
						desk, reception area, or mail room at
						5:24 pm on May 15, 2023 in DENVER,
0414011000765424607420	Wilhanks Posonyo Partners IIC	450 5 17th Ava Unit 220	Donver	CO	80203-1254	
9414611898/0542408/428	Wilbanks Reserve Partners, LLC	450 E 17th Ave Unit 220	Denver	СО	80203-1254	CU 00203.

Received by OCD: 7/14/2023 12:26:35 PM

						Your item was delivered to the front
						desk, reception area, or mail room at
						2:17 pm on May 15, 2023 in FORT
9414811898765424687404	Zorro Partners, Ltd.	616 Texas St	Fort Worth	TX	76102-4612	WORTH, TX 76102.
						Your item was delivered at 1:37 pm
9414811898765424687442	Thomas and Carolyn Beall	PO Box 3098	Midland	TX	79702-3098	on May 16, 2023 in MIDLAND, TX
						Your item was picked up at the post
						office at 12:10 pm on May 17, 2023 in
9414811898765424687480	Diamond Star Production Company, LLC	5 A St., Suite 300	Ardmore	ОК	73401	ARDMORE, OK 73401.
						Your item has been delivered to an
						agent for final delivery in DALLAS, TX
9414811898765424687435	Highland Texas Energy Company	11886 Greenville Ave Ste 106	Dallas	TX	75243-3569	75243 on May 15, 2023 at 2:14 pm.
						Your item was delivered to an
						individual at the address at 1:21 pm
9414811898765424687510	Luna, David	4703 Frost Pl	Midland	TX	79705-2615	on May 15, 2023 in MIDLAND, TX
						Your item has been delivered to an
						agent for final delivery in DALLAS, TX
9414811898765424687558	Richardson Oil Company, LLC	11886 Greenville Ave Ste 106	Dallas	TX	75243-3569	75243 on May 15, 2023 at 2:14 pm.
						Your item was picked up at the post
						office at 12:01 pm on May 16, 2023 in
9414811898765424687565	Tierra Encantada, LLC	PO Box 811	Roswell	NM	88202-0811	ROSWELL, NM 88201.
						Your package will arrive later than
						expected, but is still on its way. It is
9414811898765424687527	Watson Properties, LLC	3905 Futura Dr	Roswell	NM	88201-6797	currently in transit to the next facility.
						Your item was delivered to an
						individual at the address at 11:10 am
9414811898765424687152	Bernhardt Oil Corporation	12170 Jaycie Cir	Midwest City	OK	73130-8459	on May 15, 2023 in OKLAHOMA CITY,
						Your item was delivered to an
						individual at the address at 12:14 pm
9414811898765424687503	Apache Corporation	2000 Post Oak Blvd Ste 100	Houston	TX	77056-4497	on May 15, 2023 in HOUSTON, TX
						Your item was picked up at the post
						office at 11:44 am on May 26, 2023 in
9414811898765424687596	Estoril Producing Company	PO Box 4815	Midland	TX	79704-4815	MIDLAND, TX 79704.
						Your item arrived at the
						ALBUQUERQUE, NM 87193 post office
9414811898765424687541	JMW Enterprises, LLC	1127 Los Santos NW	Albuquerque	NM	87114-1043	at 3:45 pm on May 26, 2023 and is
						Your item has been delivered to the
						original sender at 9:16 am on June 8,
9414811898765424687534	Lincoln Oil and Gas, LLC	701 Three Cross Dr	Roswell	NM	88201-7831	2023 in SANTA FE, NM 87501.
						Your item has been delivered to an
						agent for final delivery in HOPKINS,
9414811898765424686254	Northern Oil and Gas, Inc.	4350 Baker Rd Ste 400	Minnetonka	MN	55343-8628	MN 55343 on May 15, 2023 at 11:19

Received by OCD: 7/14/2023 12:26:35 PM

						Your item was picked up at the post
	Jon G. Massey Successor In Interest To Laura					office at 12:14 pm on May 23, 2023 in
9414811898765424686261	K. Read	PO Box 10	Folsom	LA	70437-0010	FOLSOM, LA 70437.
						Your item was picked up at the post
						office at 9:16 am on May 15, 2023 in
9414811898765424687169	CBR Oil Properties LLC	PO Box 1518	Roswell	NM	88202-1518	ROSWELL, NM 88201.
						Your item has been delivered to an
						agent for final delivery in MIDLAND,
9414811898765424687121	Challenger Crude, Ltd.	3525 Andrews Hwy	Midland	TX	79703-5056	TX 79703 on May 15, 2023 at 10:58
						Your item was picked up at the post
						office at 11:12 am on May 15, 2023 in
9414811898765424687107	Chase Oil Corporation	PO Box 1767	Artesia	NM	88211-1767	ARTESIA, NM 88210.
						Your item was delivered to an
						individual at the address at 11:11 am
9414811898765424687190	Cimarex Energy Co. Coterra Energy	600 N Marienfeld St Ste 600	Midland	TX	79701-4405	on May 22, 2023 in MIDLAND, TX
						Your item has been delivered to an
	Delmar Hudson Lewis Living Trust, Bank of					agent for final delivery in DALLAS, TX
9414811898765424687145	America, N.A., Trustee	901 Main St	Dallas	TX	75202-3707	75201 on May 15, 2023 at 9:17 am.

APPLICATIONS OF READ & STEVENS, INC. FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO.

CASE NO. 23520

AFFIDAVIT

STATE OF NEW MEXICO)
) ss
COUNTY OF SANTA FE)

Adam G. Rankin, attorney in fact and authorized representative of the Applicant herein, being first duly sworn, upon oath, states

- 1. The above-referenced application and notice of the hearing on this application was sent by certified mail to the affected parties on the date set forth in the letter attached hereto.
- 2. The spreadsheet attached hereto contains the names of the parties to whom notice was provided.
- 3. The spreadsheet attached hereto contains the information provided by the United States Postal Service on the status of the delivery of this notice as of July 12, 2023.
- 4. I caused a notice to be published to all parties subject to these proceedings on May 14, 2023. An affidavit of publication from the publication's legal clerk with a copy of the notice publication is attached as Exhibit H.

Rankin.

My Commission Expires:

STATE OF NEW MEXICO NOTARY PUBLIC KARI D PEREZ COMMISSION # 1138272

Notary Public

COMMISSION EXPIRES 06/28/2026



Adam G. Rankin Partner Phone (505) 988-4421 Email agrankin@hollandhart.com

May 12, 2023

VIA CERTIFIED MAIL CERTIFIED RECEIPT REQUESTED

TO: ALL INTEREST OWNERS SUBJECT TO POOLING PROCEEDINGS

Re: Application of Permian Resources Operating, LLC for Compulsory Pooling, Lea County, New Mexico: Joker 5-8 Federal Com 201H well

Ladies & Gentlemen:

This letter is to advise you that Read & Stevens, Inc. has filed the enclosed application with the New Mexico Oil Conservation Division. A hearing has been requested before a Division Examiner on June 1, 2023, beginning at 8:15 a.m., and the status of the hearing can be monitored through the Division's website at https://www.emnrd.nm.gov/ocd/.

Due to ongoing construction and associated space limitations at the Wendell Chino Building, Parties, Counsel for Parties, and the public are encouraged to attend/participate via the Webex Meeting platform. To participate in the electronic hearing, see the instructions posted on the OCD Hearings website: https://www.emnrd.nm.gov/ocd/hearing-info/.

You are not required to attend this hearing, but as an owner of an interest that may be affected by this application, you may appear and present testimony. Failure to appear at that time and become a party of record will preclude you from challenging the matter at a later date. Parties appearing in cases are required to file a Pre-hearing Statement four business days in advance of a scheduled hearing that complies with the provisions of NMAC 19.15.4.13.B.

If you have any questions about this matter, please contact Travis Macha at (432) 400-1037 or travis.macha@permianres.com.

Sincerely,

Adam G. Rankin

APPLICATIONS OF READ & STEVENS, INC. FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO.

CASE NO. 23521

AFFIDAVIT

STATE OF NEW MEXICO)
) ss.
COUNTY OF SANTA FE)

Adam G. Rankin, attorney in fact and authorized representative of the Applicant herein, being first duly sworn, upon oath, states

- 1. The above-referenced application and notice of the hearing on this application was sent by certified mail to the affected parties on the date set forth in the letter attached hereto.
- 2. The spreadsheet attached hereto contains the names of the parties to whom notice was provided.
- 3. The spreadsheet attached hereto contains the information provided by the United States Postal Service on the status of the delivery of this notice as of July 12, 2023.
- 4. I caused a notice to be published to all parties subject to these proceedings on May 14, 2023. An affidavit of publication from the publication's legal clerk with a copy of the notice publication is attached as Exhibit H.

Rankin.

My Commission Expires:

STATE OF NEW MEXICO
NOTARY PUBLIC
KARI D PEREZ
COMMISSION # 1138272
COMMISSION EXPIRES 06/28/2026

Notary Public



Adam G. Rankin Partner Phone (505) 988-4421 Email agrankin@hollandhart.com

May 12, 2023

VIA CERTIFIED MAIL CERTIFIED RECEIPT REQUESTED

TO: ALL INTEREST OWNERS SUBJECT TO POOLING PROCEEDINGS

Re: Application of Permian Resources Operating, LLC for Compulsory Pooling, Lea County, New Mexico: Joker 5-8 Federal Com 202H

Ladies & Gentlemen:

This letter is to advise you that Read & Stevens, Inc. has filed the enclosed application with the New Mexico Oil Conservation Division. A hearing has been requested before a Division Examiner on June 1, 2023, beginning at 8:15 a.m., and the status of the hearing can be monitored through the Division's website at https://www.emnrd.nm.gov/ocd/.

Due to ongoing construction and associated space limitations at the Wendell Chino Building, Parties, Counsel for Parties, and the public are encouraged to attend/participate via the Webex Meeting platform. To participate in the electronic hearing, see the instructions posted on the OCD Hearings website: https://www.emnrd.nm.gov/ocd/hearing-info/.

You are not required to attend this hearing, but as an owner of an interest that may be affected by this application, you may appear and present testimony. Failure to appear at that time and become a party of record will preclude you from challenging the matter at a later date. Parties appearing in cases are required to file a Pre-hearing Statement four business days in advance of a scheduled hearing that complies with the provisions of NMAC 19.15.4.13.B.

If you have any questions about this matter, please contact Travis Macha at (432) 400-1037 or travis.macha@permianres.com.

Sincerely,

Adam G. Rankin

APPLICATIONS OF READ & STEVENS, INC. FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO.

CASE NO. 23522

AFFIDAVIT

STATE OF NEW MEXICO)
) ss.
COUNTY OF SANTA FE)

Adam G. Rankin, attorney in fact and authorized representative of the Applicant herein, being first duly sworn, upon oath, states

- 1. The above-referenced application and notice of the hearing on this application was sent by certified mail to the affected parties on the date set forth in the letter attached hereto.
- 2. The spreadsheet attached hereto contains the names of the parties to whom notice was provided.
- 3. The spreadsheet attached hereto contains the information provided by the United States Postal Service on the status of the delivery of this notice as of July 12, 2023.
- 4. I caused a notice to be published to all parties subject to these proceedings on May 14, 2023. An affidavit of publication from the publication's legal clerk with a copy of the notice publication is attached as Exhibit H.

Rankin.

My Commission Expires:

Notary Public

STATE OF NEW MEXICO
NOTARY PUBLIC
KARI D PEREZ
COMMISSION # 1138272
COMMISSION EXPIRES 06/28/2026



Adam G. Rankin Partner Phone (505) 988-4421 Email agrankin@hollandhart.com

May 12, 2023

VIA CERTIFIED MAIL CERTIFIED RECEIPT REQUESTED

TO: ALL INTEREST OWNERS SUBJECT TO POOLING PROCEEDINGS

Re: Application of Permian Resources Operating, LLC for Compulsory Pooling, Lea County, New Mexico: *Joker 5-8 Federal Com 203H*

Ladies & Gentlemen:

This letter is to advise you that Read & Stevens, Inc. has filed the enclosed application with the New Mexico Oil Conservation Division. A hearing has been requested before a Division Examiner on June 1, 2023, beginning at 8:15 a.m., and the status of the hearing can be monitored through the Division's website at https://www.emnrd.nm.gov/ocd/.

Due to ongoing construction and associated space limitations at the Wendell Chino Building, Parties, Counsel for Parties, and the public are encouraged to attend/participate via the Webex Meeting platform. To participate in the electronic hearing, see the instructions posted on the OCD Hearings website: https://www.emnrd.nm.gov/ocd/hearing-info/.

You are not required to attend this hearing, but as an owner of an interest that may be affected by this application, you may appear and present testimony. Failure to appear at that time and become a party of record will preclude you from challenging the matter at a later date. Parties appearing in cases are required to file a Pre-hearing Statement four business days in advance of a scheduled hearing that complies with the provisions of NMAC 19.15.4.13.B.

If you have any questions about this matter, please contact Travis Macha at (432) 400-1037 or travis.macha@permianres.com.

Sincerely,

Adam G. Rankin

APPLICATIONS OF READ & STEVENS, INC. FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO.

CASE NO. 23523

AFFIDAVIT

STATE OF NEW MEXICO)	
) ss	5
COUNTY OF SANTA FE)	

Adam G. Rankin, attorney in fact and authorized representative of the Applicant herein, being first duly sworn, upon oath, states

- 1. The above-referenced application and notice of the hearing on this application was sent by certified mail to the affected parties on the date set forth in the letter attached hereto.
- 2. The spreadsheet attached hereto contains the names of the parties to whom notice was provided.
- 3. The spreadsheet attached hereto contains the information provided by the United States Postal Service on the status of the delivery of this notice as of July 12, 2023.
- 4. I caused a notice to be published to all parties subject to these proceedings on May 14, 2023. An affidavit of publication from the publication's legal clerk with a copy of the notice publication is attached as Exhibit H.

Rankin.

My Commission Expires:

Notary Public

STATE OF NEW MEXICO
NOTARY PUBLIC
KARI D PEREZ
COMMISSION # 1138272
COMMISSION EXPIRES 06/28/2026



Adam G. Rankin Partner Phone (505) 988-4421 Email agrankin@hollandhart.com

May 12, 2023

VIA CERTIFIED MAIL CERTIFIED RECEIPT REQUESTED

TO: ALL INTEREST OWNERS SUBJECT TO POOLING PROCEEDINGS

Re: Application of Permian Resources Operating, LLC for Compulsory Pooling, Lea County, New Mexico: Joker 5-8 Federal Com 204H well

Ladies & Gentlemen:

This letter is to advise you that Read & Stevens, Inc. has filed the enclosed application with the New Mexico Oil Conservation Division. A hearing has been requested before a Division Examiner on June 1, 2023, beginning at 8:15 a.m., and the status of the hearing can be monitored through the Division's website at https://www.emnrd.nm.gov/ocd/.

Due to ongoing construction and associated space limitations at the Wendell Chino Building, Parties, Counsel for Parties, and the public are encouraged to attend/participate via the Webex Meeting platform. To participate in the electronic hearing, see the instructions posted on the OCD Hearings website: https://www.emnrd.nm.gov/ocd/hearing-info/.

You are not required to attend this hearing, but as an owner of an interest that may be affected by this application, you may appear and present testimony. Failure to appear at that time and become a party of record will preclude you from challenging the matter at a later date. Parties appearing in cases are required to file a Pre-hearing Statement four business days in advance of a scheduled hearing that complies with the provisions of NMAC 19.15.4.13.B.

If you have any questions about this matter, please contact Travis Macha at (432) 400-1037 or travis.macha@permianres.com.

Sincerely,

Adam G. Rankin

Received by OCD: 7/14/2023 12:26:35 PM

TrackingNo	ToName	DeliveryAddress	City	State	Zip	USPS_Status
						Your item was delivered at 10:39 am on
9414811898765424688951	Ard Oil Ltd.	PO Box 101027	Fort Worth	TX	76185-1027	May 15, 2023 in FORT WORTH, TX 76185.
						Your item was delivered to an individual at
	Delmar Hudson Lewis Living Trust, Bank of					the address at 11:56 am on May 22, 2023
9414811898765424688623	America, N.A., Trustee	PO Box 2546	Fort Worth	TX	76113-2546	in FORT WORTH, TX 76102.
						Your package will arrive later than
						expected, but is still on its way. It is
9414811898765424688609	Foran Oil Company	5400 Lbj Fwy Ste 1500	Dallas	TX	75240-1017	currently in transit to the next facility.
		,				Your item was delivered to an individual at
						the address at 3:02 pm on May 15, 2023 in
9414811898765424688692	Hillier, LLC	6046 Azalea Ln	Dallas	TX	75230-3406	DALLAS, TX 75230.
						Your package will arrive later than
						expected, but is still on its way. It is
9414811898765424688647	HOG Partnership, LP	5950 Cedar Springs Rd Ofc 200	Dallas	TX	75235-6805	currently in transit to the next facility.
		g				Your item was delivered to an individual at
						the address at 2:16 pm on May 15, 2023 in
9414811898765424688630	Hudson, William A., II	18 Valley Ridge Rd	Fort Worth	TX	76107-3111	FORT WORTH, TX 76107.
	,			111		Your item was delivered to the front desk,
						reception area, or mail room at 2:17 pm on
9414811898765424688678	lavelina Partners	616 Texas St	Fort Worth	TX	76102-4612	May 15, 2023 in FORT WORTH, TX 76102.
5 .1 .6116367 65 .1 .66667 6		020 10/100 00		177	7 0 2 0 2 1 0 2 2	Your package will arrive later than
	Josephine T. Hudson Testamentary Trust					expected, but is still on its way. It is
9414811898765424688111	FBO J. Terrell Ard, Frost Bank, Trustee	PO Box 1600	San Antonio	TX	78296-1600	currently in transit to the next facility.
3 11 1011030703 12 1000111	1 Bo 3. Terren 7 ii a) 1 To 32 Barrin, 1 Ta 32 CC	1 0 DOX 1000	34117411601116	170	70230 1000	Your item was delivered to an individual at
	Lindys Living Trust, Francis H. Hudson,					the address at 11:37 am on May 15, 2023
9414811898765424688159	Trustee	215 W Bandera Rd Ste 114-620	Boerne	TX	78006-2820	in BOERNE, TX 78006.
3414011838703424080133	Trustee	213 W Bandera Na Ste 114 020	DOCITIC	17	70000 2020	Your item was picked up at the post office
						at 10:58 am on June 29, 2023 in SANTA FE,
9/1/811898765/2/688166	Magnum Hunter Production, Inc.	600 N Marienfeld St Ste 600	Midland	TX	79701-4405	· · · · · · · · · · · · · · · · · · ·
3414011030703424000100	iviagnam manter moduction, me.	ooo iy iyancincia st ste ooo	Wildiana	17	73701 4403	Your item has been delivered to an agent
						for final delivery in DENVER, CO 80203 on
9414811898765424688128	Marks Oil Inc	1775 N Sherman St Ste 2015	Denver	co	80203-4319	May 16, 2023 at 5:24 pm.
9414811898709424088128	ivial k3 Oil, IIIc.	1773 N Sherman St Ste 2013	Delivei	CO	00203-4313	Your package will arrive later than
						expected, but is still on its way. It is
9414811898765424688920	Avalon Energy Corporation	PO Box 2458	Midland	TX	70702 2459	currently in transit to the next facility.
3414011030/03424000320	Avaion Lifetgy Corporation	F O BUX 2436	iviiuiailu	17	13102-2438	Your item was delivered to an individual at
0414011000765424600142	Moore and Shelton Company, Lt d.	1011 22rd C+	Calveston	TV	77550 4620	the address at 1:06 pm on May 16, 2023 in GALVESTON, TX 77550.
5414011030/05424080142	ivioore and Shelton Company, Lt d.	1011 23rd St	Galveston	TX	77330-4630	·
						Your package will arrive later than
0444044000765424600425	MADC Dayming Commons	5400 lh: 5 Sto 4500	Delles	TV	75340 4047	expected, but is still on its way. It is
9414811898765424688135	IVIKC Permian Company	5400 Lbj Fwy Ste 1500	Dallas	IX	/5240-1017	currently in transit to the next facility.

						Your package will arrive later than
	Prime Rock Resources Agentco, Inc.,as					expected, but is still on its way. It is
9414811898765424688319	Nominee F/B/O Prime Rock Res	2 Riverway Ste 1870	Houston	TX	77056-1939	currently in transit to the next facility.
						Your item was delivered to an individual at
						the address at 2:05 pm on May 17, 2023 in
9414811898765424688364	Sandstone Properties, LLC	40 First Plaza Ctr NW Ste 601-N	Albuquerque	NM	87102-3355	ALBUQUERQUE, NM 87102.
						Your item was delivered to an individual at
						the address at 2:05 pm on May 17, 2023 in
9414811898765424688302	Sandstone Properties, LLC	200 3rd St NW	Albuquerque	NM	87102-3334	ALBUQUERQUE, NM 87102.
						Your item was picked up at the post office
						at 3:52 pm on May 15, 2023 in ROSWELL,
9414811898765424688340	Sealy Hutchings Cavin, Inc.	PO Box 1125	Roswell	NM	88202-1125	NM 88201.
						Your item was delivered to an individual at
						the address at 4:17 pm on May 15, 2023 in
9414811898765424688371	Union Hill Oil & Gas Co., Inc.	7712 Glenshannon Cir	Dallas	TX	75225-2054	DALLAS, TX 75225.
						Your item was delivered at 7:47 am on
9414811898765424688067	Warren Associates	PO Box 10400	Albuquerque	NM	87184-0400	May 17, 2023 in ALBUQUERQUE, NM
						Your item was delivered to an individual at
						the address at 1:18 pm on May 16, 2023 in
9414811898765424688005	Weimer, Inc.	6842 N Baltusrol Ln	Charlotte	NC	28210-7364	CHARLOTTE, NC 28210.
						Your item was delivered to the front desk,
						reception area, or mail room at 5:23 pm on
9414811898765424688098	Wilbanks Properties Inc.	450 E 17th Ave Unit 220	Denver	CO	80203-1254	May 15, 2023 in DENVER, CO 80203.
						Your item was picked up at the post office
						at 9:47 am on May 19, 2023 in RIO
9414811898765424688906	Bean Family Ltd. Company	PO Box 45750	Rio Rancho	NM	87174-5750	RANCHO, NM 87124.
						Your item was delivered to the front desk,
						reception area, or mail room at 5:23 pm on
9414811898765424688043	Wilbanks Reserve Corporation	450 E 17th Ave Unit 220	Denver	СО	80203-1254	May 15, 2023 in DENVER, CO 80203.
						Your item was delivered to the front desk,
						reception area, or mail room at 5:23 pm on
9414811898765424688081	Wilbanks Reserve Partners, LLC	450 E 17th Ave Unit 220	Denver	CO	80203-1254	May 15, 2023 in DENVER, CO 80203.
						Your item was delivered to the front desk,
				L		reception area, or mail room at 2:17 pm on
9414811898765424688036	Zorro Partners, Ltd.	616 Texas St	Fort Worth	TX	76102-4612	May 15, 2023 in FORT WORTH, TX 76102.
044404400076540460007	The same and Conseling Booth	DO D. 2000			70702 2000	Your item was delivered at 1:37 pm on
9414811898765424688074	I nomas and Carolyn Beall	PO Box 3098	Midland	TX	/9/02-3098	May 16, 2023 in MIDLAND, TX 79701.
						Your item was picked up at the post office
044 404 4000765 42 4600 440	Diamand Stan Braduction Commerce U.C.	5 A St. Switz 200	A	OI	72404	at 12:10 pm on May 17, 2023 in
9414811898765424688418	Diamond Star Production Company, LLC	5 A St., Suite 300	Ardmore	OK	/3401	ARDMORE, OK 73401.

Received by OCD: 7/14/2023 12:26:35 PM

						Your item has been delivered to an agent
						for final delivery in DALLAS, TX 75243 on
9414811898765424688456	Highland Texas Energy Company	11886 Greenville Ave Ste 106	Dallas	TX	75243-3569	May 15, 2023 at 2:14 pm.
						Your item was delivered to an individual at
						the address at 1:21 pm on May 15, 2023 in
9414811898765424688463	Luna, David	4703 Frost Pl	Midland	TX	79705-2615	MIDLAND, TX 79705.
						Your item has been delivered to an agent
						for final delivery in DALLAS, TX 75243 on
9414811898765424688425	Richardson Oil Company, LLC	11886 Greenville Ave Ste 106	Dallas	TX	75243-3569	May 15, 2023 at 2:14 pm.
						Your item was picked up at the post office
						at 12:01 pm on May 16, 2023 in ROSWELL,
9414811898765424688401	Tierra Encantada, LLC	PO Box 811	Roswell	NM	88202-0811	NM 88201.
						Your item was picked up at a postal facility
						at 9:16 am on June 8, 2023 in SANTA FE,
9414811898765424688494	Watson Properties, LLC	3905 Futura Dr	Roswell	NM	88201-6797	NM 87501.
						Your item was delivered to an individual at
						the address at 11:10 am on May 15, 2023
9414811898765424688999	Bernhardt Oil Corporation	12170 Jaycie Cir	Midwest City	OK	73130-8459	in OKLAHOMA CITY, OK 73130.
						Your item was delivered to an individual at
						the address at 12:14 pm on May 15, 2023
9414811898765424688449	Apache Corporation	2000 Post Oak Blvd Ste 100	Houston	TX	77056-4497	in HOUSTON, TX 77056.
						Your item was picked up at the post office
						at 11:44 am on May 26, 2023 in MIDLAND,
9414811898765424688487	Estoril Producing Company	PO Box 4815	Midland	TX	79704-4815	
						Your item arrived at the ALBUQUERQUE,
						NM 87193 post office at 3:45 pm on May
9414811898765424688432	JMW Enterprises, LLC	1127 Los Santos NW	Albuquerque	NM	87114-1043	26, 2023 and is ready for pickup.
						Your item has been delivered to the
						original sender at 9:16 am on June 1, 2023
9414811898765424688470	Lincoln Oil and Gas, LLC	701 Three Cross Dr	Roswell	NM	88201-7831	in SANTA FE, NM 87501.
						Your item has been delivered to an agent
						for final delivery in HOPKINS, MN 55343 on
9414811898765424688517	Northern Oil and Gas, Inc.	4350 Baker Rd Ste 400	Minnetonka	MN	55343-8628	May 15, 2023 at 11:19 am.
						Your item was picked up at the post office
	Jon G. Massey Successor In Interest To Laura					at 12:14 pm on May 23, 2023 in FOLSOM,
9414811898765424688555	K. Read	PO Box 10	Folsom	LA	70437-0010	
						Your item was picked up at the post office
						at 9:16 am on May 15, 2023 in ROSWELL,
9414811898765424688944	CBR Oil Properties LLC	PO Box 1518	Roswell	NM	88202-1518	
						Your item has been delivered to an agent
						for final delivery in MIDLAND, TX 79703 on
9414811898765424688937	Challenger Crude, Ltd.	3525 Andrews Hwy	Midland	TX	79703-5056	May 15, 2023 at 10:58 am.

						Your item was picked up at the post office
						at 11:12 am on May 15, 2023 in ARTESIA,
9414811898765424688616	Chase Oil Corporation	PO Box 1767	Artesia	NM	88211-1767	NM 88210.
						Your item was delivered to an individual at
						the address at 11:11 am on May 22, 2023
9414811898765424688654	Cimarex Energy Co. Coterra Energy	600 N Marienfeld St Ste 600	Midland	TX	79701-4405	in MIDLAND, TX 79706.
						Your item has been delivered to an agent
	Delmar Hudson Lewis Living Trust, Bank of					for final delivery in DALLAS, TX 75201 on
9414811898765424688661	America, N.A., Trustee	901 Main St	Dallas	TX	75202-3707	May 15, 2023 at 9:17 am.

STATE OF NEW MEXICO COUNTY OF LEA

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> Beginning with the issue dated May 16, 2023 and ending with the issue dated May 16, 2023.

Han Gustell Publisher

Sworn and subscribed to before me this 16th day of May 2023.

Business Manager

My commission expires January 29, 2027

(Seal)

STATE OF NEW MEXICO

NOTARY PUBLIC

GUSSIE RUTH BLACK

COMMISSION # 1087526

COMMISSION EXPIRES 01/29/2027

This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937 and payment of fees for said

LEGAL NOTICE May 16, 2023

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION
SANTA FE, NEW MEXICO

The State of New Mexico, Energy Minerals and Natural Resources Department, Oil Conservation Division ("Division") hereby gives notice that the Division will hold public hearings before a hearing examiner on the following case. The hearing will be conducted remotely on Thursday, June 1, 2023, beginning at 8:15 a.m. To participate in the electronic hearing, see the instructions posted below. The docket may be viewed at https://www.emnrd.nm.gov/ocd/hearing-info/ or obtained from Marlene Salvidrez, at Marlene Salvidrez@emnrd.nm.gov. Documents filed in the case may be viewed at https://ocdimage.emnrd.nm.gov/lmaging/Default.aspx. If you are an individual with a disability who needs a reader, amplifier, qualified sign language interpreter, or other form of auxiliary aid or service to attend or participate in a hearing, contact Marlene Salvidrez at Marlene.Salvidrez@emnrd.nm.gov, or the New Mexico Relay Network at 1-800-659-1779, no later than May 22, 2023.

Persons may view and participate in the hearings through the following link:

https://nmemnrd.webex.com/nmemnrd/j.php?MTID=ma6ae23341387d744a0ac0dd42666b517 Webinar number: 2487 125 5805

Join by video system: 24871255805@nmemnrd.webex.com You can also dial 173.243.2.68 and enter your webinar number

Join by phone: 1-844-992-4726 United States Toll Free +1-408-418-9388 United States Toll Access code: 2487 125 5805

Panelist password: SVkzTp8GF43 (78598784 from phones and video systems)

STATE OF NEW MEXICO TO: All named parties and persons having any right, title, interest or claim in the following case and notice to the public.

(NOTE: All land descriptions herein refer to the New Mexico Principal Meridian whether or not so stated.)

To: All interest owners subject to pooling proceedings, including: Ard Oil Ltd.; Avalon Energy Corporation; Bean Family Ltd. Company; Bernhardt Oil Corporation; CBR Oil Properties LLC; Challenger Crude, Ltd.; Chase Oil Corporation; Cimarex Energy Co. Coterra Energy; Delmar Hudson Lewis Living Trust, Bank of America, N.A., Trustee; Foran Oil Company; Hillier, LLC; HOG Partnership, LP; Hudson, William A., II, his heirs and devisees; Javelina Partners; Josephine T. Hudson Testamentary Trust FBO J. Terrell Ard, Frost Bank, Trustee; Lindys Living Trust, Francis H. Hudson, Trustee; Magnum Hunter Production, Inc.; Marks Oil, Inc.; Moore and Shelton Company, Ltd.; MRC Permian Company; Sandstone Properties, LLC; Sealy Hutchings Cavin, Inc.; Union Hill Oil & Gas Co., Inc.; Weimer, Inc.; Wilbanks Properties Inc.; Wilbanks Reserve Corporation; Wilbanks Reserve Partners, LLC; Zorro Partners, Ltd.; Thomas and Carolyn Beall, their heirs and devisees; Bruce Alan MacNaughton, his heirs and devisees; B&N Energy, LLC; Highland Texas Energy Company; Richardson Oil Company, LLC; Tierra Encantada, LLC; Watson Properties, LLC; Apache Corporation; Estoril Producing Company; Lincoln Oil and Gas, LLC; Haskell H. Bass Jr., his heirs and devisees; Aquila Energy Resources; William A. Bradshaw, his heirs and devisees; Bernadine Glenn, her heirs and devisees; and HHB LP.

Case No. 23508: Application of Read & Stevens, Inc. for Compulsory Pooling, Lea County, New Mexico. Applicant in the above-styled cause seeks an order pooling all uncommitted interests in the Bone Spring formation underlying a standard 320-acre, more or less, horizontal well spacing comprised of Lot 4 (NW/4 NW/4 equivalent), the SW/4 NW/4, and the W/2 SW/4 of Section 4 and the W/2 W/2 of Section 9, Township 20 South, Range 34 East, NMPM, Lea County, New Mexico. Said unit will be initially dedicated to the proposed Bane 4-9 Federal Com 111H, 121H, 122H, 171H, and 131H wells, to be horizontally drilled from a surface location in the NE/4 NW/4 (Lot 3) of Section 4, Township 20 South, Range 34 East, to bottom hole locations in the SW/4 SW/4 (Unit M) of Section 9, Township 20 South, Range 34 East, Also, to be considered will be the cost of drilling and completing the well and the allocation of the cost thereof, actual operating costs and charges for supervision, designation of Applicant as operator of the wells, and a 200% charge for risk involved in drilling said wells. Said area is located approximately 27 miles southwest of Hobbs, New Mexico.

#00278612

67100754

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STATE OF NEW MEXICO COUNTY OF LEA

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Beginning with the issue dated May 16, 2023 and ending with the issue dated May 16, 2023.

Publisher

Sworn and subscribed to before me this 16th day of May 2023.

Business Manager

My commission expires January 29, 2027

(Seal)

STATE OF NEW MEXICO
NOTARY PUBLIC
GUSSIE RUTH BLACK
COMMISSION # 1087526
COMMISSION EXPIRES 01/29/2027

This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937 and payment of fees for said

LEGAL NOTICE May 16, 2023

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION
SANTA FE. NEW MEXICO

The State of New Mexico, Energy Minerals and Natural Resources Department, Oil Conservation Division ("Division") hereby gives notice that the Division will hold public hearings before a hearing examiner on the following case. The hearing will be conducted remotely on Thursday, June 1, 2023, beginning at 8:15 a.m. To participate in the electronic hearing, see the instructions posted below. The docket may be viewed at https://www.emnrd.nm.gov/ocd/hearing-info/ or obtained from Marlene Salvidrez, at Marlene.Salvidrez@emnrd.nm.gov. Documents filed in the case may be viewed at https://ocdimage.emnrd.nm.gov/lmaging/Default.aspx. If you are an individual with a disability who needs a reader, amplifier, qualified sign language interpreter, or other form of auxiliary aid or service to attend or participate in a hearing, contact Marlene Salvidrez at Marlene.Salvidrez@emnrd.nm.gov, or the New Mexico Relay Network at 1-800-659-1779, no later than May 22, 2023.

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Panelist password: SVkzTp8GF43 (78598784 from phones and video systems)

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Case No. 23509: Application of Read & Stevens, Inc. for Compulsory Pooling, Lea County, New Mexico. Applicant in the above-styled cause seeks an order pooling all uncommitted interests in the Bone Spring formation underlying a standard 320-acre, more or less, horizontal well spacing comprised of Lot 3 (NE/4 NW/4 equivalent), the SE/4 NW/4, and the E/2 SW/4 of Section 4 and the E/2 W/2 of Section 9, Township 20 South, Range 34 East, NMPM, Lea County, New Mexico. Said unit will be initially dedicated to the proposed Bane 4-9 Federal Com 112H, 123H, 124H, 172H, 132H wells, to be horizontally drilled from a surface location in the NE/4 NW/4 (Lot 3) of Section 4, Township 20 South, Range 34 East, to bottom hole locations in the SE/4 SW/4 (Unit N) of Section 9, Township 20 South, Range 34 East, Also, to be considered will be the cost of drilling and completing the well and the allocation of the cost thereof, actual operating costs and charges for supervision, designation of Applicant as operator of the wells, and a 200% charge for risk involved in drilling said wells. Said area is located approximately 27 miles southwest of Hobbs, New Mexico. #04278614

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STATE OF NEW MEXICO COUNTY OF LEA

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Sworn and subscribed to before me this 16th day of May 2023.

lastel

Business Manager

My commission expires January 29, 2027

(Seal) STATE OF NEW MEXICO NOTARY PUBLIC GUSSIE RUTH BLACK COMMISSION # 1087526 COMMISSION EXPIRES 01/29/2027

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LEGAL NOTICE May 16, 2023

STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT **OIL CONSERVATION DIVISION** SANTA FE, NEW MEXICO

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Case No. 23510: Application of Read & Stevens, Inc. for Compulsory Pooling, Lea County, New Mexico. Applicant in the above-styled cause seeks an order pooling all uncommitted interests in the Bone Mexico. Applicant in the above-styled cause seeks an order pooling all uncommitted interests in the Bone Spring formation underlying a standard 320-acre, more or less, horizontal well spacing comprised of Lot 2 (NW/4 NE/4 equivalent), the SW/4 NE/4, and the W/2 SE/4 of Section 4 and the W/2 E/2 of Section 9, Township 20 South, Range 34 East, NMPM, Lea County, New Mexico. Said unit will be dedicated to the following proposed initial wells:

Bane 4-9 Federal Com 113H and 173H wells, to be horizontally drilled from a surface location in the NW/4 NE/4 (Lot 2) of Section 4, Township 20 South, Range 34 East, to bottom hole locations in the SW/4 SE/4 (Unit O) of Section 9, Township 20 South, Range 34 East; and

Bane 4-9 Federal Com 125H, 126H, and 133H wells, to be horizontally drilled from a surface location in the NE/4 NE/4 (Lot 1) of Section 4, Township 20 South, Range 34 East, to bottom hole locations in the SW/4 SE/4 (Unit O) of Section 9, Township 20 South, Range 34 East, to bottom hole locations in the SW/4 SE/4 (Unit O) of Section 9, Township 20 South, Range 34 East, to bottom hole locations in the SW/4 SE/4 (Unit O) of Section 9, Township 20 South, Range 34 East, to bottom hole locations in the SW/4 SE/4 (Unit O) of Section 9, Township 20 South, Range 34 East, to bottom hole locations in the SW/4 SE/4 (Unit O) of Section 9, Township 20 South, Range 34 East, to bottom hole locations in the SW/4 SE/4 (Unit O) of Section 9, Township 20 South, Range 34 East, to bottom hole locations in the SW/4 SE/4 (Unit O) of Section 9, Township 20 South, Range 34 East, to bottom hole locations in the SW/4 SE/4 (Unit O) of Section 9, Township 20 South, Range 34 East, to bottom hole locations in the SW/4 SE/4 (Unit O) of Section 9, Township 20 South, Range 34 East, to bottom hole locations in the SW/4 SE/4 (Unit O) of Section 9, Township 20 South, Range 34 East, to bottom hole locations in the SW/4 SE/4 (Unit O) of Section 9, Township 20 South, Range 34 East, to bottom hole locations in the SW/4 SE/4 (Unit O) of Section 9, Towns

SE/4 (Unit O) of Section 9, Township 20 South, Range 34 East.
Also, to be considered will be the cost of drilling and completing the wells and the allocation of the cost

hereof, actual operating costs and charges for supervision, designation of Applicant as operator of the wells, and a 200% charge for risk involved in drilling said wells. Said area is located approximately 27 miles outhwest of Hobbs, New Mexico. 00278621

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STATE OF NEW MEXICO COUNTY OF LEA

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Business Manager

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(Seal)

STATE OF NEW MEXICO
NOTARY PUBLIC
GUSSIE RUTH BLACK
COMMISSION # 1087526
COMMISSION EXPIRES 01/29/2027

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ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION
SANTA FE; NEW MEXICO

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Case No. 23511: Application of Read & Stevens, Inc. for Compulsory Pooling, Lea County, New Mexico. Applicant in the above-styled cause seeks an order pooling all uncommitted interests in the Bone Spring formation underlying a standard 320-acre, more or less, horizontal well spacing comprised of Lot 1 (NE/4 NE/4 equivalent), the SE/4 NE/4, and the E/2 SE/4 of Section 4 and the E/2 E/2 of Section 9, Township 20 South, Range 34 East, NMPM, Lea County, New Mexico. Said unit will be initially dedicated to the proposed Bane 4-9 Federal Com 114H, 127H, 128H, 174H, 134H wells, to be horizontally drilled from a surface location in the NE/4 NE/4 (Lot 1) of Section 4, Township 20 South, Range 34 East, to bottom hole locations in the SE/4 SE/4 (Unit P) of Section 9, Township 20 South, Range 34 East, Also, to be considered will be the cost of drilling and completing the wells and the allocation of the cost thereof, actual operating costs and charges for supervision, designation of Applicant as operator of the wells, and a 200% charge for risk involved in drilling said wells. Said area is located approximately 27 miles southwest of Hobbs, New #00278623

67100754

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STATE OF NEW MEXICO COUNTY OF LEA

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Sworn and subscribed to before me this 16th day of May 2023.

Business Manager

My commission expires January 29, 2027

(Seal)

STATE OF NEW MEXICO
NOTARY PUBLIC
GUSSIE RUTH BLACK
COMMISSION # 1087526
COMMISSION EXPIRES 01/29/2027

This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937 and payment of fees for said

LEGAL NOTICE May 16, 2023

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION
SANTA FE, NEW MEXICO

The State of New Mexico, Energy Minerals and Natural Resources Department, Oil Conservation Division ("Division") hereby gives notice that the Division will hold public hearings before a hearing examiner on the following case. The hearing will be conducted remotely on Thursday, June 1, 2023, beginning at 8:15 a.m. To participate in the electronic hearing, see the instructions posted below. The docket may be viewed at https://www.emnrd.nm.gov/ocd/hearing-info/ or obtained from Marlene Salvidrez, at Marlene.Salvidrez@emnrd.nm.gov. Documents filed in the case may be viewed at https://ocdimage.emnrd.nm.gov/lmaging/Default.aspx. If you are an individual with a disability who needs a reader, amplifier, qualified sign language interpreter, or other form of auxiliary aid or service to attend or participate in a hearing, contact Marlene Salvidrez at Marlene.Salvidrez@emnrd.nm.gov, or the New Mexico Relay Network at 1-800-659-1779, no later than May 22, 2023.

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Join by phone: 1-844-992-4726 United States Toll Free +1-408-418-9388 United States Toll Access code: 2487 125 5805

Panelist password: SVkzTp8GF43 (78598784 from phones and video systems)

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Case No. 23512: Application of Read & Stevens, Inc. for Compulsory Pooling, Lea County, New Mexico. Applicant in the above-styled cause seeks an order pooling all uncommitted interests in the Wolfcamp formation underlying a standard 320-acre, more or less, horizontal well spacing comprised of Lot 4 (NW/4 NW/4 equivalent), the SW/4 NW/4, and the W/2 SW/4 of Section 4 and the W/2 W/2 of Section 9, Township 20 South, Range 34 East, NMPM, Lea County, New Mexico. Said unit will be initially dedicated to the proposed Bane 4-9 Federal Com 201H well, to be horizontally drilled from a surface location in the NE/4 NW/4 (Lot 3) of Section 4, Township 20 South, Range 34 East, to a bottom hole location in the SW/4 SW/4 (Unit M) of Section 9, Township 20 South, Range 34 East. Also, to be considered will be the cost of drilling and completing the well and the allocation of the cost thereof, actual operating costs and charges for supervision, designation of Applicant as operator of the well, and a 200% charge for risk involved in drilling said well. Said area is located approximately 27 miles southwest of Hobbs, New Mexico.

67100754

00278628

STATE OF NEW MEXICO COUNTY OF LEA

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> Beginning with the issue dated May 16, 2023 and ending with the issue dated May 16, 2023.

Publisher

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Business Manager

My commission expires January 29, 2027 (Seal)

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SANTA FE, NEW MEXICO

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Case No. 23513: Application of Read & Stevens, Inc. for Compulsory Pooling, Lea County, New Mexico. Applicant in the above-styled cause seeks an order pooling all uncommitted interests in the Wolfcamp formation underlying a standard 320-acre, more or less, horizontal well spacing comprised of Lot 3 (NE/4 NW/4 equivalent), the SE/4 NW/4, and the E/2 SW/4 of Section 4 and the E/2 W/2 of Section 9, Township 20 South, Range 34 East, NMPM, Lea County, New Mexico. Said unit will be initially dedicated to the proposed Bane 4-9 Federal Com 202H well, to be horizontally drilled from a surface location in the NE/4 NW/4 (Lot 3) of Section 4, Township 20 South, Range 34 East, to a bottom hole location in the SE/4 SW/4 (Unit N) of Section 9, Township 20 South, Range 34 East. Also, to be considered will be the cost of drilling and completing the well and the allocation of the cost thereof, actual operating costs and charges for supervision, designation of Applicant as operator of the well, and a 200% charge for risk involved in drilling said well. Said area is located approximately 27 miles southwest of Hobbs, New Mexico.

67100754

00278630

STATE OF NEW MEXICO COUNTY OF LEA

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Publisher

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Business Manager

My commission expires January 29, 2027

(Seal)

STATE OF NEW MEXICO

NOTARY PUBLIC

GUSSIE RUTH BLACK

COMMISSION # 1087526

COMMISSION EXPIRES 01/29/2027

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OIL CONSERVATION DIVISION
SANTA FE, NEW MEXICO

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Case No. 23514: Application of Read & Stevens, Inc. for Compulsory Pooling, Lea County, New Mexico. Applicant in the above-styled cause seeks an order pooling all uncommitted interests in the Wolfcamp formation underlying a standard 320-acre, more or less, horizontal well spacing comprised of Lot 2 (NW/4 NE/4 equivalent), the SW/4 NE/4, and the W/2 SE/4 of Section 4 and the W/2 E/2 of Section 9, Township 20 South, Range 34 East, NMPM, Lea County, New Mexico. Said unit will be initially dedicated to the proposed Bane 4-9 Federal Com 203H well, to be horizontally drilled from a surface location in the NE/4 NE/4 (Lot 1) of Section 4, Township 20 South, Range 34 East, to a bottom hole location in the SW/4 SE/4 (Unit 0) of Section 9, Township 20 South, Range 34 East. Also, to be considered will be the cost of drilling and completing the well and the allocation of the cost thereof, actual operating costs and charges for supervision, designation of Applicant as operator of the well, and a 200% charge for risk involved in drilling said well. Said area is located approximately 27 miles southwest of Hobbs, New Mexico.

67100754

00278632

STATE OF NEW MEXICO COUNTY OF LEA

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Publisher

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Business Manager

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NOTARY PUBLIC
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COMMISSION # 1087526
COMMISSION EXPIRES 01/29/2027

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LEGAL NOTICE May 16, 2023

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ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION
SANTA FE, NEW MEXICO

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Case No. 23515: Application of Read & Stevens, Inc. for Compulsory Pooling, Lea County, New Mexico. Applicant in the above-styled cause seeks an order pooling all uncommitted interests in the Wolfcamp formation underlying a standard 320-acre, more or less, horizontal well spacing comprised of Lot 1 (NE/4 NE/4 equivalent), the SE/4 NE/4, and the E/2 SE/4 of Section 4 and the E/2 E/2 of Section 9, Township 20 South, Range 34 East, NMPM, Lea County, New Mexico. Said unit will be initially dedicated to the proposed Bane 4-9 Federal Com 204H well, to be horizontally drilled from a surface location in the NE/4 NE/4 (Lot 1) of Section 4, Township 20 South, Range 34 East, to a bottom hole location in the SE/4 SE/4 (Unit P) of Section 9, Township 20 South, Range 34 East, Also, to be considered will be the cost of drilling and completing the well and the allocation of the cost thereof, actual operating costs and charges for supervision, designation of Applicant as operator of the well, and a 200% charge for risk involved in drilling said well. Said area is located approximately 27 miles southwest of Hobbs, New Mexico. #00278633

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00278633

HOLLAND & HART LLC PO BOX 2208 SANTA FE, NM 87504-2208

BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Exhibit No. H
Submitted by: Read & Stevens, Inc.
Hearing Date: July 20, 2023
Case No. 23515

STATE OF NEW MEXICO COUNTY OF LEA

in the regular and entire issue of said newspaper, and not a supplement thereo for a period of 1 issue(s).

> Beginning with the issue dated May 14, 2023 and ending with the issue dated May 14, 2023.

Business Manager

My commission expires

STATE OF NEW MEXICO January 29, 202 NOTARY PUBLIC (Seal) GUSSIE RUTH BLACK

COMMISSION # 1087526 #00278572 COMMISSION EXPIRES 01/29/2027

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LEGAL NOTICE May 14, 2023

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION SANTA FE, NEW MEXICO

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> Case No. 23516: Application of Read & Stevens, Inc. for Compulsory Pooling, Lea County, New Mexico. Applicant in the above-styled cause seeks an order pooling all uncommitted interests in the Bone Mexico. Applicant in the above-styled cause seeks an order pooling all uncommitted interests in the Bone Spring formation underlying a standard 320-acre, more or less, horizontal well spacing comprised of Lot 4 (NW/4 NW/4 equivalent), the SW/4 NW/4, and the W/2 SW/4 of Section 5 and the W/2 W/2 of Section 8, Township 20 South, Range 34 East, NMPM, Lea County, New Mexico. Said unit will be initially dedicated to the proposed Joker 5-8 Federal Com 111H, 121H, 122H, 171H, and 131H wells, to be horizontally drilled from a surface location in the NE/4 NW/4 (Lot 3) of Section 5, Township 20 South, Range 34 East, bottom hole locations in the SW/4 SW/4 (Unit M) of Section 8, Township 20 South, Range 34 East, Also, to be considered will be the cost of drilling and completing the well and the allocation of the cost thereof, actual operating costs and charges for supervision, designation of Applicant as operator of the wells, and a 200% charge for risk involved in drilling said wells. Said area is located approximately 40 miles northeast of Carlsbad, New Mexico.

> > 67100754

00278572

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Case No. 23517: Application of Read & Stevens, Inc. for Compulsory Pooling, Lea County, New Mexico. Applicant in the above-styled cause seeks an order pooling all uncommitted interests in the Bone Spring formation underlying a standard 320-acre, more or less, horizontal well spacing comprised of Lot 3 (NE/4 NW/4 equivalent), the SE/4 NW/4, and the E/2 SW/4 of Section 5 and the E/2 W/2 of Section 8, Township 20 South, Range 34 East, NMPM, Lea County, New Mexico. Said unit will be initially dedicated to the proposed Joker 5-8 Federal Com 112H, 123H, 124H, 172H, 132H wells, to be horizontally drilled from a surface location in the NE/4 NW/4 (Lot 3) of Section 5, Township 20 South, Range 34 East, to bottom hole locations in the SE/4 SW/4 (Unit N) of Section 8, Township 20 South, Range 34 East. Also, to be considered will be the cost of drilling and completing the well and the allocation of the cost thereof, actual operating costs and charges for supervision, designation of Applicant as operator of the wells, and a 200% charge for risk involved in drilling said wells. Said area is located approximately 40 miles northeast of Carlsbad, New Mexico. Mexico. #00278573

67100754

00278573

STATE OF NEW MEXICO COUNTY OF LEA

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> Beginning with the issue dated May 14, 2023 and ending with the issue dated May 14, 2023.

Sworn and subscribed to before me this 14th day of May 2023.

Business Manager

My commission expires

January 29, 2027

(Seal) STATE OF NEW MEXICO NOTARY PUBLIC GUSSIE RUTH BLACK **COMMISSION # 1087526** COMMISSION EXPIRES 01/29/2027

This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937 and payment of fees for said

LEGAL NOTICE May 14, 2023

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION SANTA FE, NEW MEXICO

The State of New Mexico, Energy Minerals and Natural Resources Department, Oil Conservation Division ("Division") hereby gives notice that the Division will hold public hearings before a hearing examiner on the following case. The hearing will be conducted remotely on Thursday, June 1, 2023, beginning at 8:15 a.m. To participate in the electronic hearing, see the instructions posted below. The docket may be viewed at https://www.emnrd.nm.gov/ocd/hearing-info/ or obtained from Marlene Salvidrez, at Marlene Salvidrez@emnrd.nm.gov. Documents filed in the case may be viewed at https://ocdimage.emnrd.nm.gov/Imaging/Default.aspx. If you are an individual with a disability who needs a reader, amplifier, qualified sign language interpreter, or other form of auxiliary aid or service to attend or participate in a hearing, contact Mariene Salvidrez at Mariene.Salvidrez@emnrd.nm.gov, or the New Mexico Relay Network at 1-800-659-1779, no later than May 22, 2023.

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Join by phone: 1-844-992-4726 United States Toll Free +1-408-418-9388 United States Toll Access code: 2487 125 5805

Panelist password: SVkzTp8GF43 (78598784 from phones and video systems)

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Case No. 23518: Application of Read & Stevens, Inc. for Compulsory Pooling, Lea County, New Mexico. Applicant in the above-styled cause seeks an order pooling all uncommitted interests in the Bone Spring formation underlying a standard 320-acre, more or less, horizontal well spacing comprised of Lot 2 (NW/4 NE/4 equivalent), the SW/4 NE/4, and the W/2 SE/4 of Section 5 and the W/2 E/2 of Section 8, Township 20 South, Range 34 East, NMPM, Lea County, New Mexico. Said unit will be initially dedicated to the proposed Joker 5-8 Federal Com 113H, 125H, 126H, 173H, 133H wells, to be horizontally drilled from a surface location in the NW/4 NE/4 (Lot 2) of Section 5, Township 20 South, Range 34 East, to bottom hole locations in the SW/4 SE/4 (Unit O) of Section 8, Township 20 South, Range 34 East, Also, to be considered will be the cost of drilling and completing the well and the allocation of the cost thereof, actual operating costs and charges for supervision, designation of Applicant as operator of the wells, and a 200% charge for risk nvolved in drilling said wells. Said area is located approximately 27 miles southwest of Hobbs, New Mexico.

67100754

00278574

STATE OF NEW MEXICO COUNTY OF LEA

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> Beginning with the issue dated May 14, 2023 and ending with the issue dated May 14, 2023.

Publisher

Sworn and subscribed to before me this 14th day of May 2023.

Business Manager

My commission expires January 29, 2027

(Seal)

STATE OF NEW MEXICO
NOTARY PUBLIC
GUSSIE RUTH BLACK
COMMISSION # 1087526
COMMISSION EXPIRES 01/29/2027

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LEGAL NOTICE May 14, 2023

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION
SANTA FE, NEW MEXICO

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Case No. 23519: Application of Read & Stevens, Inc. for Compulsory Pooling, Lea County, New Mexico. Applicant in the above-styled cause seeks an order pooling all uncommitted interests in the Bone Spring formation underlying a standard 320-acre, more or less, horizontal well spacing comprised of Lot 1 (NE/4 NE/4 equivalent), the SE/4 NE/4, and the E/2 SE/4 of Section 5 and the E/2 E/2 of Section 8, Township 20 South, Range 34 East, NMPM, Lea County, New Mexico. Said unit will be initially dedicated to the proposed Joker 5-8 Federal Com 114H, 127H, 128H, 174H, 134H wells, to be horizontally drilled from a surface location in the NW/4 NE/4 (Lot 2) of Section 5, Township 20 South, Range 34 East, to bottom hole locations in the SE/4 SE/4 (Unit P) of Section 8, Township 20 South, Range 34 East, Also, to be considered will be the cost of drilling and completing the wells and the allocation of the cost thereof, actual operating cdsts and charges for supervision, designation of Applicant as operator of the wells, and a 200% charge for risk involved in drilling said wells. Said area is located approximately 27 miles southwest of Hobbs, New Mexico.

10278575

STATE OF NEW MEXICO COUNTY OF LEA

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Publisher

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Business Manager

My commission expires January 29, 2027

STATE OF NEW MEXICO
NOTARY PUBLIC
GUSSIE RUTH BLACK
COMMISSION # 1087526
COMMISSION EXPIRES 01/29/2027

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OIL CONSERVATION DIVISION
SANTA FE, NEW MEXICO

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Case No. 23520: Application of Read & Stevens, Inc. for Compulsory Pooling, Lea County, New Mexico. Applicant in the above-styled cause seeks an order pooling all uncommitted interests in the Wolfcamp formation underlying a standard 320-acre, more or less, horizontal well spacing comprised of Lot 4 (NW/4 NW/4 equivalent), the SW/4 NW/4, and the W/2 SW/4 of Section 5 and the W/2 W/2 of Section 8, Township 20 South, Range 34 East, NMPM, Lea County, New Mexico. Said unit will be initially dedicated to the proposed Joker 5-8 Federal Com 201H well, to be horizontally drilled from a surface location in the NE/4 NW/4 (Lot 3) of Section 5, Township 20 South, Range 34 East, to a bottom hole location in the SW/4 SW/4 (Unit M) of Section 8, Township 20 South, Range 34 East, Also, to be considered will be the cost of drilling and completing the well and the allocation of the cost thereof, actual operating costs and charges for supervision, designation of Applicant as operator of the well, and a 200% charge for risk involved in drilling said well. Said area is located approximately 40 miles northeast of Carlsbad, New Mexico.

67100754

00278576

STATE OF NEW MEXICO COUNTY OF LEA

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Business Manager

My commission expires January 29, 2027

(Seal)

STATE OF NEW MEXICO

NOTARY PUBLIC

GUSSIE RUTH BLACK

COMMISSION # 1087526

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SANTA FE, NEW MEXICO

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Case No. 23521: Application of Read & Stevens, Inc. for Compulsory Pooling, Lea County, New Mexico. Applicant in the above-styled cause seeks an order pooling all uncommitted interests in the Wolfcamp formation underlying a standard 320-acre, more or less, horizontal well spacing comprised of Lot 3 (NE/4 NW/4 equivalent), the SE/4 NW/4, and the E/2 SW/4 of Section 5 and the E/2 W/2 of Section 8, Township 20 South, Range 34 East, NMPM, Lea County, New Mexico. Said unit will be initially dedicated to the proposed Joker 5-8 Federal Com 202H well, to be horizontally drilled from a surface location in the NE/4 NW/4 (Lot 3) of Section 5, Township 20 South, Range 34 East, to a bottom hole location in the SE/4 SW/4 (Unit N) of Section 8, Township 20 South, Range 34 East, Also, to be considered will be the cost of drilling and completing the well and the allocation of the cost thereof, actual operating costs and charges for supervision, designation of Applicant as operator of the well, and a 200% charge for risk involved in drilling said well. Said area is located approximately 40 miles northeast of Carlsbad, New Mexico.

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STATE OF NEW MEXICO

NOTARY PUBLIC

GUSSIE RUTH BLACK

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SANTA FE, NEW MEXICO

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Case No. 23522: Application of Read & Stevens, Inc. for Compulsory Pooling, Lea County, New Mexico. Applicant in the above-styled cause seeks an order pooling all uncommitted interests in the Wolfcamp formation underlying a standard 320-acre, more or less, horizontal well spacing comprised of Lot 2 (NW/4 NE/4 equivalent), the SW/4 NE/4, and the W/2 SE/4 of Section 5 and the W/2 E/2 of Section 8, Township 20 South, Range 34 East, NMPM, Lea County, New Mexico. Said unit will be initially dedicated to the proposed Joker 5-8 Federal Com 203H well, to be horizontally drilled from a surface location in the NW/4 NE/4 (Lot 2) of Section 5, Township 20 South, Range 34 East, to a bottom hole location in the SW/4 SE/4 (Unit 0) of Section 8, Township 20 South, Range 34 East. Also, to be considered will be the cost of drilling and completing the well and the allocation of the cost thereof, actual operating costs and charges for supervision, designation of Applicant as operator of the well, and a 200% charge for risk involved in drilling said well. Said area is located approximately 27 miles southwest of Hobbs, New Mexico.

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Business Manager

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SANTA FE, NEW MEXICO

The State of New Mexico, Energy Minerals and Natural Resources Department, Oil Conservation Division ("Division") hereby gives notice that the Division will hold public hearings before a hearing examiner on the following case. The hearing will be conducted remotely on Thursday, June 1, 2023, beginning at 8:15 a.m. To participate in the electronic hearing, see the instructions posted below. The docket may be viewed at https://www.emrrd.nm.gov/ocd/hearing-info/ or obtained from Marlene Salvidrez, at Marlene. Salvidrez@emnrd.nm.gov. Documents filed in the case may be viewed at https://ocdimage.emnrd.nm.gov/lmaging/Default.aspx. If you are an individual with a disability who needs a reader, amplifier, qualified sign language interpreter, or other form of auxiliary aid or service to attend or participate in a hearing, contact Marlene Salvidrez at Marlene.Salvidrez@emnrd.nm.gov, or the New Mexico Relay Network at 1-800-659-1779, no later than May 22, 2023.

Persons may view and participate in the hearings through the following link:

https://nmemnrd.webex.com/nmemnrd/j.php?MTID=ma6ae23341387d744a0ac0dd42666b517 Webinar number: 2487 125 5805

Join by video system: 24871255805@nmemnrd.webex.com You can also dial 173.243.2.68 and enter your webinar number

Join by phone: 1-844-992-4726 United States Toll Free +1-408-418-9388 United States Toll Access code: 2487 125 5805

Panelist password: SVkzTp8GF43 (78598784 from phones and video systems)

STATE OF NEW MEXICO TO: All named parties and persons having any right, title, interest or claim in the following case . and notice to the public.

(NOTE: All land descriptions herein refer to the New Mexico Principal Meridian whether or not so stated.)

To: All interest owners subject to pooling proceedings, including: Ard Oil Ltd.; Avalon Energy Corporation; Bean Family Ltd. Company; Bernhardt Oil Corporation; CBR Oil Properties LLC; Challenger Crude, Ltd.; Chase Oil Corporation; Cimarex Energy Co. Coterra Energy; Delmar Hudson Lewis Living Trust, Bank of America, N.A., Trustee; Foran Oil Company; Hillier, LLC; HOG Partnership, LP; Hudson, William A., II, his heirs and devisees; Javelina Partners; Josephine T. Hudson Testamentary Trust FBO J. Terrell Ard, Frost Bank, Trustee; Lindys Living Trust, Francis H. Hudson, Trustee; Magnum Hunter Production, Inc.; Marks Oil, Inc.; Moore and Shelton Company, Ltd.; MRC Permian Company; Prime Rock Resources Agent Co, Inc., as Nominee F/B/O Prime Rock Resources; Sandstone Properties, LLC; Sealy Hutchings Cavin, Inc.; Union Hill Oil & Gas Co., Inc.; Warren Associates; Weimer, Inc.; Wilbanks Properties Inc.; Wilbanks Reserve Corporation; Wilbanks Reserve Partners, LLC; Zorro Partners, Ltd.; Thomas and Carolyn Beall, their heirs and devisees; Diamond Star Production Company, LLC; Highland Texas Energy Company; Luna, David, his heirs and devisees; Richardson Oil Company, LLC; Tierra Encantada, LLC; Watson Properties, LLC; Apache Corporation; Estoril Producing Company; JMW Enterprises, LLC; Lincoln Oil and Gas, LLC; Northern Oil and Gas, Inc.; and Jon G. Massey (Successor in interest to Laura K. Read), his heirs and devisees.

Case No. 23523: Application of Read & Stevens, Inc. for Compulsory Pooling, Lea County, New Mexico. Applicant in the above-styled cause seeks an order for an order pooling all uncommitted interests in the Wolfcamp formation underlying a standard 320-acre, more or less, horizontal well spacing comprised of Lot 1 (NE/4 NE/4 equivalent), the SE/4 NE/4, and the E/2 SE/4 of Section 5 and the E/2 E/2 of Section 8, Township 20 South, Range 34 East, NMPM, Lea County, New Mexico. Said unit will be initially dedicated to the proposed Joker 5-8 Federal Com 204H well, to be horizontally drilled from a surface location in the NW/4 NE/4 (Lot 2) of Section 5, Township 20 South, Range 34 East, to a bottom hole location in the SE/4 SE/4 (Unit P) of Section 8, Township 20 South, Range 34 East. Also, to be considered will be the cost of drilling and completing the well and the allocation of the cost thereof, actual operating costs and charges for supervision, designation of Applicant as operator of the well, and a 200% charge for risk involved in drilling said well. Said area is located approximately 27 miles southwest of Hobbs, New Mexico.

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