

CASE NOS. 21406 and 21407

**APPLICATIONS OF MEWBOURNE OIL COMPANY FOR COMPULSORY POOLING,
EDDY COUNTY, NEW MEXICO**

EXHIBITS

1. Applications and Proposed Ads
2. Landman's Affidavit (Josh Anderson)
3. Geologist's Affidavit (Charlie Crosby)
4. Affidavit of Notice
5. Pooling Checklist (Case No. 21406)
6. Pooling Checklist (Case No. 21407)

BEFORE THE NEW MEXICO OIL CONSERVATION DIVISION

**APPLICATION OF MEWBOURNE OIL COMPANY
FOR COMPULSORY POOLING, EDDY COUNTY,
NEW MEXICO.**

Case No. 21406

APPLICATION

Mewbourne Oil Company applies for an order pooling all mineral interests in the Bone Spring formation underlying a horizontal spacing unit comprised of the N/2S/2 of Section 21 and the N/2S/2 of Section 22, Township 18 South, Range 30 East, N.M.P.M., Eddy County, New Mexico, and in support thereof, states:

1. Applicant is an interest owner in the N/2S/2 of Section 21 and the N/2S/2 of Section 22, and has the right to drill a well thereon.
2. Applicant proposes to drill the Phoenix 21/22 B2KI Fed Com. Well No. 1H to a depth sufficient to test the Bone Spring formation, and to dedicate N/2S/2 of Section 21 and the N/2S/2 of Section 22 thereto. The well has a first take point in the NW/4SW/4 of 21 and a last take point in the NE/4SE/4 of Section 22.
3. Applicant has in good faith sought to obtain the voluntary joinder of all other mineral interest owners in the N/2S/2 of Section 21 and the N/2S/2 of Section 22 for the purposes set forth herein.
4. Although applicant attempted to obtain voluntary agreements from all mineral interest owners to participate in the drilling of the well or to otherwise commit their interests to the well, certain interest owners have failed or refused to join in dedicating their interests. Therefore, applicant seeks an order pooling all mineral interest owners in the Bone Spring

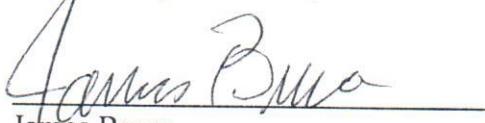
formation underlying the N/2S/2 of Section 21 and the N/2S/2 of Section 22, pursuant to NMSA 1978 §§70-2-17.

5. The pooling of all mineral interests in the Bone Spring formation underlying the N/2S/2 of Section 21 and the N/2S/2 of Section 22 will prevent the drilling of unnecessary wells, prevent waste, and protect correlative rights.

WHEREFORE, applicant requests that, after notice and hearing, the Division enter its order:

- A. Pooling all mineral interests in the Bone Spring formation underlying the N/2S/2 of Section 21 and the N/2S/2 of Section 22;
- B. Designating applicant as operator of the well;
- C. Considering the cost of drilling, completing, and equipping the well, and allocating the cost among the well's working interest owners;
- D. Approving actual operating charges and costs charged for supervision, together with a provision adjusting the rates pursuant to the COPAS accounting procedure; and
- E. Setting a 200% charge for the risk involved in drilling, completing, and equipping the well in the event a working interest owner elects not to participate in the well.

Respectfully submitted,



James Bruce
Post Office Box 1056
Santa Fe, New Mexico 87504
(505) 982-2043

Attorney for Mewbourne Oil Company

PROPOSED ADVERTISEMENT

Case No. 21406:

Application of Mewbourne Oil Company for compulsory pooling, Eddy County, New Mexico.
Mewbourne Oil Company seeks an order pooling all mineral interests in the Bone Spring formation in a horizontal spacing unit comprised of the N/2S/2 of Section 21 and the N/2S/2 of Section 22, Township 18 South, Range 30 East, NMPM. The unit will be dedicated to the Phoenix 21/22 B2KI Fed Com. Well No. 1H, with a first take point in the NW/4SW/4 of 21 and a last take point in the NE/4SE/4 of Section 22. Also to be considered will be the cost of drilling, completing, and equipping the well and the allocation of the cost thereof, as well as actual operating costs and charges for supervision, designation of applicant as operator of the well, and a 200% charge for the risk involved in drilling, completing, and equipping the well. The unit is located approximately 6-1/2 miles south of Loco Hills, New Mexico.

BEFORE THE NEW MEXICO OIL CONSERVATION DIVISION

**APPLICATION OF MEWBOURNE OIL COMPANY
FOR COMPULSORY POOLING, EDDY COUNTY,
NEW MEXICO.**

Case No. 21407

APPLICATION

Mewbourne Oil Company applies for an order pooling all mineral interests in the Bone Spring formation underlying a horizontal spacing unit comprised of the S/2S/2 of Section 21 and the S/2S/2 of Section 22, Township 18 South, Range 30 East, N.M.P.M., Eddy County, New Mexico, and in support thereof, states:

1. Applicant is an interest owner in the S/2S/2 of Section 21 and the S/2S/2 of Section 22, and has the right to drill a well thereon.
2. Applicant proposes to drill the Phoenix 21/22 B2NP Fed Com. Well No. 1H to a depth sufficient to test the Bone Spring formation, and to dedicate S/2S/2 of Section 21 and the S/2S/2 of Section 22 thereto. The well has a first take point in the SW/4SW/4 of 21 and a last take point in the SE/4SE/4 of Section 22.
3. Applicant has in good faith sought to obtain the voluntary joinder of all other mineral interest owners in the S/2S/2 of Section 21 and the S/2S/2 of Section 22 for the purposes set forth herein.
4. Although applicant attempted to obtain voluntary agreements from all mineral interest owners to participate in the drilling of the well or to otherwise commit their interests to the well, certain interest owners have failed or refused to join in dedicating their interests. Therefore, applicant seeks an order pooling all mineral interest owners in the Bone Spring

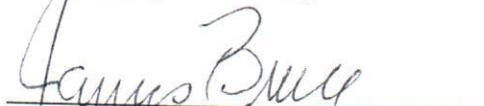
formation underlying the S/2S/2 of Section 21 and the S/2S/2 of Section 22, pursuant to NMSA 1978 §§70-2-17.

5. The pooling of all mineral interests in the Bone Spring formation underlying the S/2S/2 of Section 21 and the S/2S/2 of Section 22 will prevent the drilling of unnecessary wells, prevent waste, and protect correlative rights.

WHEREFORE, applicant requests that, after notice and hearing, the Division enter its order:

- A. Pooling all mineral interests in the Bone Spring formation underlying the S/2S/2 of Section 21 and the S/2S/2 of Section 22;
- B. Designating applicant as operator of the well;
- C. Considering the cost of drilling, completing, and equipping the well, and allocating the cost among the well's working interest owners;
- D. Approving actual operating charges and costs charged for supervision, together with a provision adjusting the rates pursuant to the COPAS accounting procedure; and
- E. Setting a 200% charge for the risk involved in drilling, completing, and equipping the well in the event a working interest owner elects not to participate in the well.

Respectfully submitted,



James Bruce
Post Office Box 1056
Santa Fe, New Mexico 87504
(505) 982-2043

Attorney for Mewbourne Oil Company

PROPOSED ADVERTISEMENT

Case No. 21407:

Application of Mewbourne Oil Company for compulsory pooling, Eddy County, New Mexico.
Mewbourne Oil Company seeks an order pooling all mineral interests in the Bone Spring formation in a horizontal spacing unit comprised of the S/2S/2 of Section 21 and the S/2S/2 of Section 22, Township 18 South, Range 30 East, NMPM. The unit will be dedicated to the Phoenix 21/22 B2NP Fed Com. Well No. 1H, with a first take point in the SW/4SW/4 of 21 and a last take point in the SE/4SE/4 of Section 22. Also to be considered will be the cost of drilling, completing, and equipping the well and the allocation of the cost thereof, as well as actual operating costs and charges for supervision, designation of applicant as operator of the well, and a 200% charge for the risk involved in drilling, completing, and equipping the well. The unit is located approximately 6-1/2 miles south of Loco Hills, New Mexico.

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

IN THE MATTER OF THE HEARING CALLED
BY THE OIL CONSERVATION DIVISION FOR
THE PURPOSE OF CONSIDERING:

APPLICATION OF MEWBOURNE OIL COMPANY
FOR COMPULSORY POOLING, EDDY COUNTY,
NEW MEXICO.

Case No. 21406

APPLICATION OF MEWBOURNE OIL COMPANY
FOR COMPULSORY POOLING, EDDY COUNTY,
NEW MEXICO.

Case No. 21407

SELF-AFFIRMED STATEMENT OF JOSH ANDERSON

COUNTY OF MIDLAND)
) ss.
STATE OF TEXAS)

Josh Anderson deposes and states:

1. I am a landman for Mewbourne Oil Company ("Mewbourne"), and have personal knowledge of the matters stated herein. I have been qualified by the Division as an expert petroleum landman.

2. Pursuant to Division Rules, the following information is submitted in support of the compulsory pooling application:

(a) The purpose of these applications is to force pool working interest owners into the horizontal spacing units described below, and in wells to be drilled in the units.

(b) No opposition is expected because the interest owners being pooled were first contacted months ago regarding the proposed wells, but have simply failed or refused to voluntarily commit their interests to the wells. No one has objected to the applications.

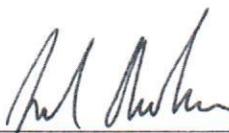
(c) A plat outlining the units being pooled is attached hereto as Attachment A, together with Form C-102s for the wells. Mewbourne seeks orders pooling all mineral interests in the Bone Spring formation in the following horizontal spacing units:

EXHIBIT 2

- (i) In Case No. 21406, the N/2S/2 of Section 21 and the N/2S/2 of Section 22, Township 18 South, Range 30 East, NMMPM. The unit will be dedicated to the Phoenix 21/22 B2KI Fed Com. Well No. 1H, with a first take point in the NW/4SW/4 of 21 and a last take point in the NE/4SE/4 of Section 22; and
- (ii) In Case 21407, the S/2S/2 of Section 21 and the S/2S/2 of Section 22, Township 18 South, Range 30 East, NMMPM. The unit will be dedicated to the Phoenix 21/22 B2NP Fed Com. Well No. 1H, with a first take point in the SW/4SW/4 of 21 and a last take point in the SE/4SE/4 of Section 22.
- (d) There are no depth severances in the Bone Spring formation.
- (e) The parties being pooled in the well units and their interests are set forth in Attachments B-1 and B-2. Their current or last known addresses are also set forth. All interest owners were locatable.
- (f) Exhibit C contains a summary of communications with the working interest owners, together with copies of the well proposals sent to the interest owners.
- (g) Mewbourne has made a good faith effort to obtain the voluntary joinder of the working interest owners in the proposed wells, or to locate the interest owners.
- (h) Mewbourne has the right to pool the overriding royalty owners in the well units.
- (i) Exhibit D contains the Authorizations for Expenditure for the proposed wells. The estimated costs of the wells are fair and reasonable, and are comparable to the costs of other wells of similar depths and length drilled in this area of Eddy County.
- (j) Mewbourne requests overhead and administrative rates of \$8000/month for a drilling well and \$800/month for a producing well. These rates are fair, and comparable to the rates charged by other operators for wells of this type in this area of Eddy County. They are also the rates set forth in the Joint Operating Agreements for the well units. Mewbourne requests that these rates be adjusted periodically as provided in the COPAS Accounting Procedure.
- (k) Mewbourne requests that the maximum cost plus 200% risk charge be assessed against non-consenting working interest owners.
- (l) Mewbourne requests that it be designated operator of the wells.
- (m) The attachments to this affidavit were prepared by me or under my supervision, or compiled from company business records.
- (n) The granting of these applications is in the interests of conservation and the prevention of waste.

3. I understand that this Self-Affirmed Statement will be used as written testimony in these cases. I affirm that my testimony in paragraphs 1 through 2(n) above is true and correct and is made under penalty of perjury under the laws of the State of New Mexico. My testimony is made as of the date handwritten next to my signature below.

Date: 9/3/20



Josh Anderson

RECEIVED

State of New Mexico MAR 11 2020

Form C-102

Revised August 1, 2011

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

Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

EMNRD-OCDARTESEA

1220 South St. Francis Dr.

Santa Fe, NM 87505

Submit one copy to appropriate
District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

| | | | | | | | | | |
|-------------------------------------|--|--|---------------------|---------|-----------------------------|----------------------------------|-----------------------------|-------------------------------|-----------------------|
| 1 API Number 30-015-46822 | 2 Pool Code 54600 | 3 Pool Name SANTA NINO-BONE SPRING | | | | | | | |
| 4 Property Order 307305 | 5 Property Name PHOENIX 21/22 B2KI FED COM | 6 Well Number 1H | | | | | | | |
| 7 OGRID NO. 14744 | 8 Operator Name MEWBORNE OIL COMPANY | 9 Elevation 3415' | | | | | | | |
| 10 Surface Location | | | | | | | | | |
| UL or lot no. A | Section 29 | Township 18S | Range 30E | Lot Idn | Feet from the 720 | North/South line NORTH | Feet from the 270 | East/West line EAST | County EDDY |

11 Bottom Hole Location If Different From Surface

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|----------------------------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| I | 22 | 18S | 30E | | 1980 | SOUTH | 100 | EAST | EDDY |
| 12 Dedicated Acres 320 | | | | | | | | | |
| 13 Joint or Infill | | | | | | | | | |
| 14 Consolidation Code | | | | | | | | | |
| 15 Order No. | | | | | | | | | |

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

| | | | | | | | |
|---|--|---|--|--------------------------------|--|--|--|
| 16 GEOSTATIC DATA NAD 27 GRID - NM EAST | | 17 GEOSTATIC DATA NAD 83 GRID - NM EAST | | DETAIL "A" | | 18 OPERATOR CERTIFICATION | |
| SURFACE LOCATION N: 627139.2 - E: 606843.8 | | SURFACE LOCATION N: 627202.2 - E: 648023.0 | | 3432.3' - 600' - 3422.2' | | 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 leased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or in a voluntary pooling agreement or a compulsory pooling order, therefore, entered by the division. | |
| LAT: 32.72362054° N LONG: 103.98591495° W | | LAT: 32.72373856° N LONG: 103.98642168° W | | 650' S. L: | |  2-8-19 Date | |
| BOTTOM HOLE N: 629856.2 - E: 617561.1 | | BOTTOM HOLE N: 629919.3 - E: 658740.2 | | 3425.6' - 400' - 3407.2' | | Printed Name BRADLEY BISHOP | |
| LAT: 32.7309873° N LONG: 103.9510346° W | | LAT: 32.7311056° N LONG: 103.9515410° W | | FOR CORNER DATA SEE SHEET 2 | | E-mail Address BBISHOP@MEWBORNE.COM | |
| 20 | | 21 | | 22 | | 23 SURVEYOR CERTIFICATION | |
| ① | | ② | | ③ | | 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. | |
| ④ | | ⑤ | | ⑥ | | 3-23-2017 Date of Survey | |
| ⑦ | | ⑧ | | ⑨ | | Signature and Seal of Professional Surveyor  | |
| SEE DETAIL "A" S.L. 720' | | PROJECT AREA | | PRODUCING AREA | | 198801 Certificate Number | |
| 270' | | 28 | | 29 | | SHEET 1 OF 2 REV. BH 1-10-19 | |
| 29 | | 28 | | 27 | | RRC-Job No.: LS1701035 | |
| ⑩ | | ⑪ | | ⑫ | | RW 3-11-20 | |
| ⑬ | | ⑭ | | ⑮ | | ⑯ | |
| ⑰ | | ⑱ | | ⑲ | | ⑳ | |

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State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr. DISTRICT II-ARTESIA O.C.D.
Santa Fe, NM 87505

FEB 12 2019

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 <i>30 015-45722</i> | | 2 Pool Code 54600 | | 3 Pool Name Santo Nino Bone Spring | | | | | |
| 4 Property Code <i>324975</i> | | 5 Property Name PHOENIX 21/22 B2NP FEDERAL COM | | | | 6 Well Number 1H | | | |
| 7 OGRID NO. 14744 | | 8 Operator Name MEWBURNE OIL COMPANY | | | | 9 Elevation 3417' | | | |
| 10 Surface Location | | | | | | | | | |
| UL or lot no. A | Section 29 | Township 18S | Range 30E | Lot ldn | Feet from the 770 | North/South line NORTH | Feet From the 270 | East/West line EAST | County EDDY |
| 11 Bottom Hole Location If Different From Surface | | | | | | | | | |
| UL or lot no. P | Section 22 | Township 18S | Range 30E | Lot ldn | Feet from the 660 | North/South line SOUTH | Feet from the 330 | East/West line EAST | County EDDY |
| 12 Dedicated Acres 320 | 13 Joint or Infill | 14 Consolidation Code | 15 Order No. | 100 | | | | | |

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

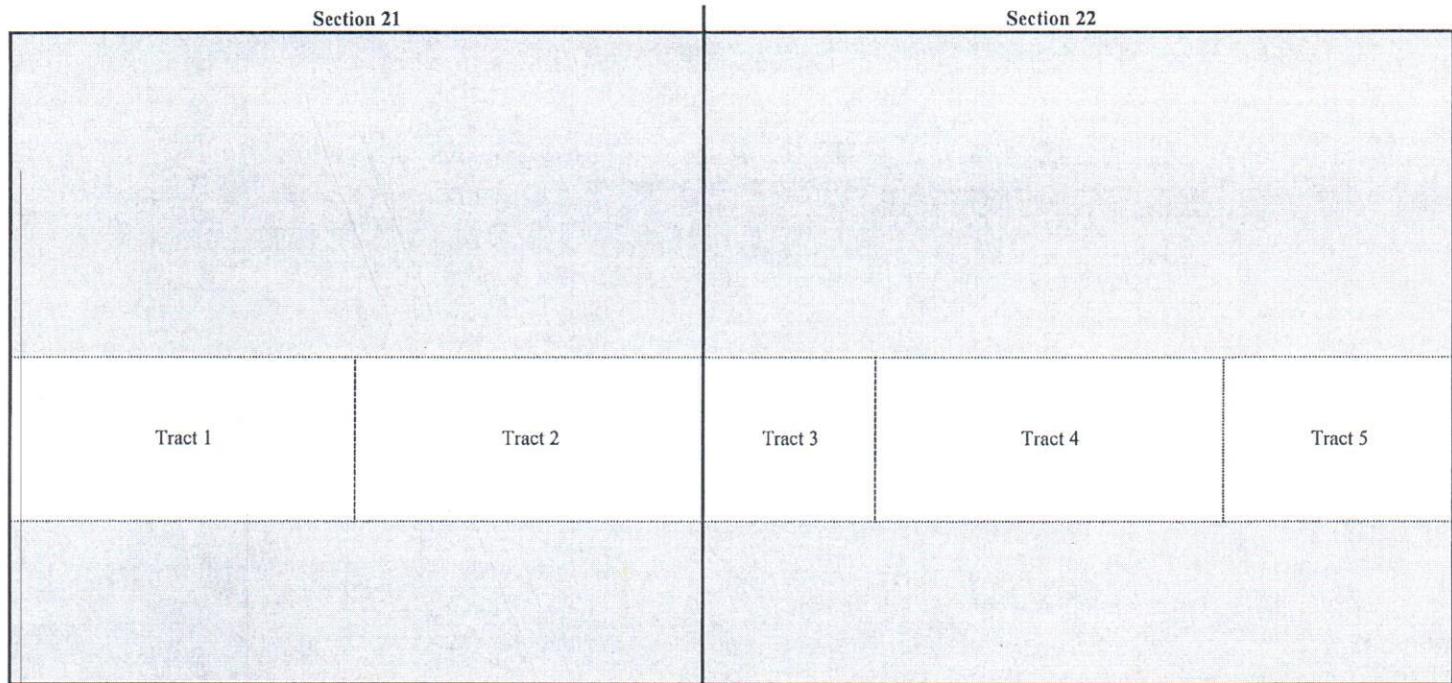
| | | | | | | | |
|--|--|---|--|--------------------------------|--|---|--|
| 16 GEODETIC DATA NAD 27 GRID - NM EAST | | GEODETIC DATA NAD 83 GRID - NM EAST | | DETAIL "A" | | 17 OPERATOR CERTIFICATION | |
| SURFACE LOCATION N: 627089.3 - E: 606843.9 | | SURFACE LOCATION N: 627152.3 - E: 648023.1 | | 3432.3' - 600' - 3422.2' | | 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 leased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order herebefore entered by the division. | |
| LAT: 32.72348326° N LONG: 103.98591503° W | | LAT: 32.72360128° N LONG: 103.98642175° W | | S. L. | | Signature Bradley Bishop Date 1-11-18 | |
| BOTTOM HOLE N: 628536.2 - E: 617335.4 | | BOTTOM HOLE N: 628599.3 - E: 658514.5 | | 3425.6' - - - 3407.2' | | Printed Name BBISHOP@MEWBURNE.COM | |
| LAT: 32.72736118° N LONG: 103.95178404° W | | LAT: 32.72747960° N LONG: 103.95229034° W | | FOR CORNER DATA SEE SHEET 2 | | E-mail Address | |
| | | | | | | | |
| 18 SURVEYOR CERTIFICATION <i>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.</i> | | | | | | | |
| 3-23-2017 Date of Survey Signature and Seal of Professional Surveyor | | | | | | | |
| 19880 Certificate Number SHEET 1 OF 2 | | | | | | | |

RRC-Job No.: LS1701039

RWP 2-14-19

Section Plat
Phoenix 21/22 B2KI Fed Com #1H
N/2S/2 of Section 21 & N/2S/2 of Section 22

T18S-R30E, Eddy County, NM



Tract 1: N/2SW/4 of Section 21 - Federal Lease NMNM 40117

Mewbourne Oil Company
Chevron U.S.A., Inc.

Tract 3: NW/4SW/4 of Section 22 - Federal Lease NMLC 028978(a)

EOG Resources, Inc.

Tract 4: NE/4SW/4 & NW/4SE/4 of Section 22 - Federal Lease NMNM 27277

ConocoPhillips Company

Tract 5: NE/4SE/4 of Section 22 - Federal Lease NMLC 058186

Mewbourne Oil Company

Tract 2: N/2SE/4 of Section 21 - Federal Lease NMLC 028978(a)

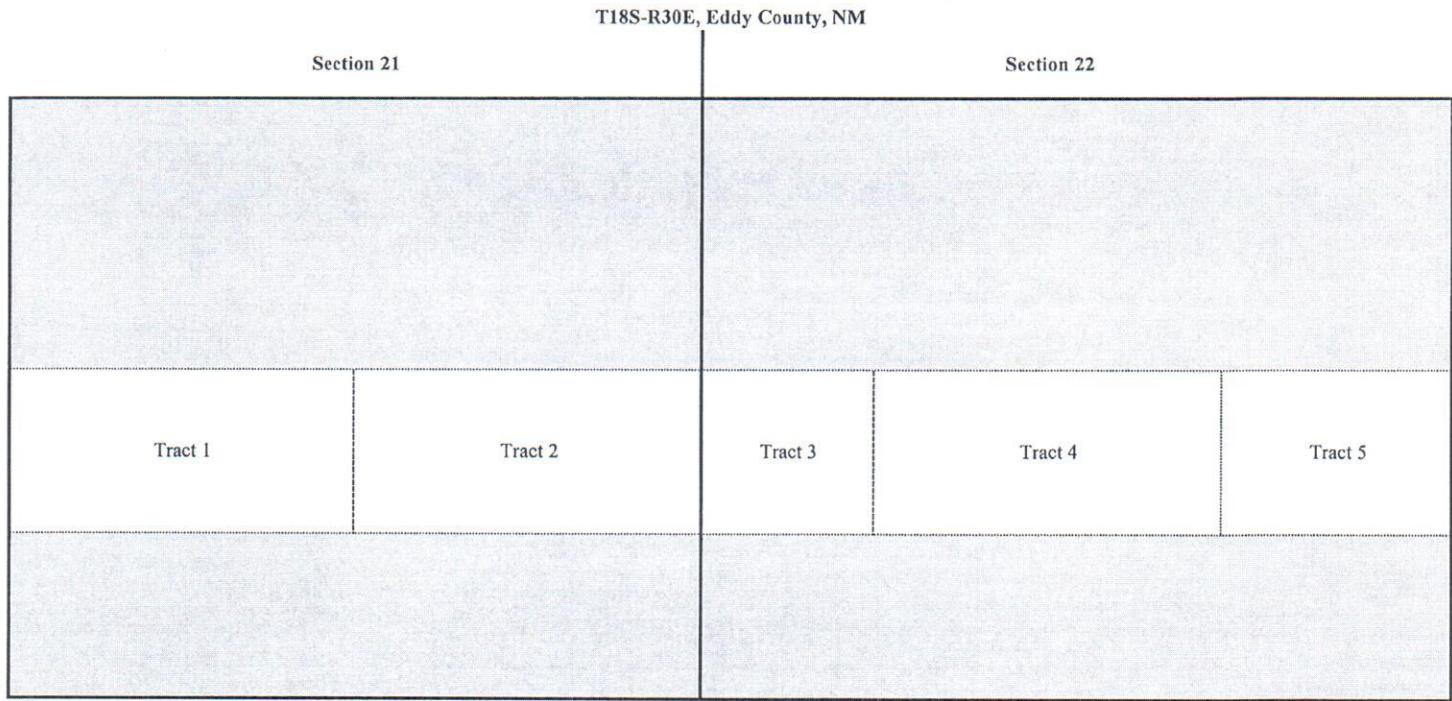
Mewbourne Oil Company
Chevron U.S.A., Inc.

ATTACHMENT

B-1

RECAPITUALTION FOR PHOENIX 21/22 B2KI FED COM #1H

| Tract Number | Number of Acres Committeed | Percentage of Interst in Communitized Area |
|--------------|----------------------------|--|
| 1 | 80 | 25.000000% |
| 2 | 80 | 25.000000% |
| 3 | 40 | 12.500000% |
| 4 | 80 | 25.000000% |
| 5 | 40 | 12.500000% |
| TOTAL | 320 | 100.000000% |



TRACT OWNERSHIP

Phoenix 21/22 B2KI Fed Com #1H
N/2S/2 of Section 21 & N/2S/2 of Section 22

N/2S/2 of Section 21 & N/2S/2 of Section 22**Bone Spring Formation:**

| Owner | % of Leasehold Interest |
|---|-------------------------|
| Mewbourne Oil Company, et al. | 62.500000% |
| *EOG Resources, Inc. 5509 Champions Dr. Midland, TX 79706 | 12.500000% |
| *ConocoPhillips Company P.O. Box 2197 Houston, TX 77252 | 25.000000% |
| TOTAL | 100.000000% |
| Total Interest Being Pooled: | 37.500000% |

OWNERSHIP BY TRACT**N/2SW/4 of Section 21**

| Owner | % of Leasehold Interest |
|-------------------------------|-------------------------|
| Mewbourne Oil Company, et al. | 100.000000% |
| TOTAL | 100.000000% |

N/2SE/4 of Section 21

| Owner | % of Leasehold Interest |
|-------------------------------|-------------------------|
| Mewbourne Oil Company, et al. | 100.000000% |
| TOTAL | 100.000000% |

NW/4SW/4 of Section 22

| Owner | % of Leasehold Interest |
|---------------------|-------------------------|
| EOG Resources, Inc. | 100.000000% |
| TOTAL | 100.000000% |

NE/4SW/4 & NW/4SE/4 of Section 22

| Owner | % of Leasehold Interest |
|------------------------|-------------------------|
| ConocoPhillips Company | 100.000000% |
| TOTAL | 100.000000% |

NE/4SE/4 of Section 22

| Owner | % of Leasehold Interest |
|-------------------------------|-------------------------|
| Mewbourne Oil Company, et al. | 100.000000% |
| TOTAL | 100.000000% |

Section Plat
Phoenix 21/22 B2NP Fed Com #1H
S/2S/2 of Section 21 & S/2S/2 of Section 22

T18S-R30E, Eddy County, NM

| Section 21 | Section 22 | | | |
|------------|------------|---------|---------|---------|
| Tract 1 | Tract 2 | Tract 3 | Tract 4 | Tract 5 |

Tract 1: S/2SW/4 of Section 21 - Federal Lease NMNM 40117

Mewbourne Oil Company
Chevron U.S.A., Inc.

Tract 3: SW/4SW/4 of Section 22 - Federal Lease NMLC 028978(a)

EOG Resources, Inc.

Tract 4: SE/4SW/4 & SW/4SE/4 of Section 22 - Federal Lease NMNM 016808

EOG Resources, Inc.

Tract 5: SE/4SE/4 of Section 22 - Federal Lease NMLC 058186

Mewbourne Oil Company

Tract 2: S/2SE/4 of Section 21 - Federal Lease NMLC 028978(a)

Mewbourne Oil Company
Chevron U.S.A., Inc.

ATTACHMENT

B-2

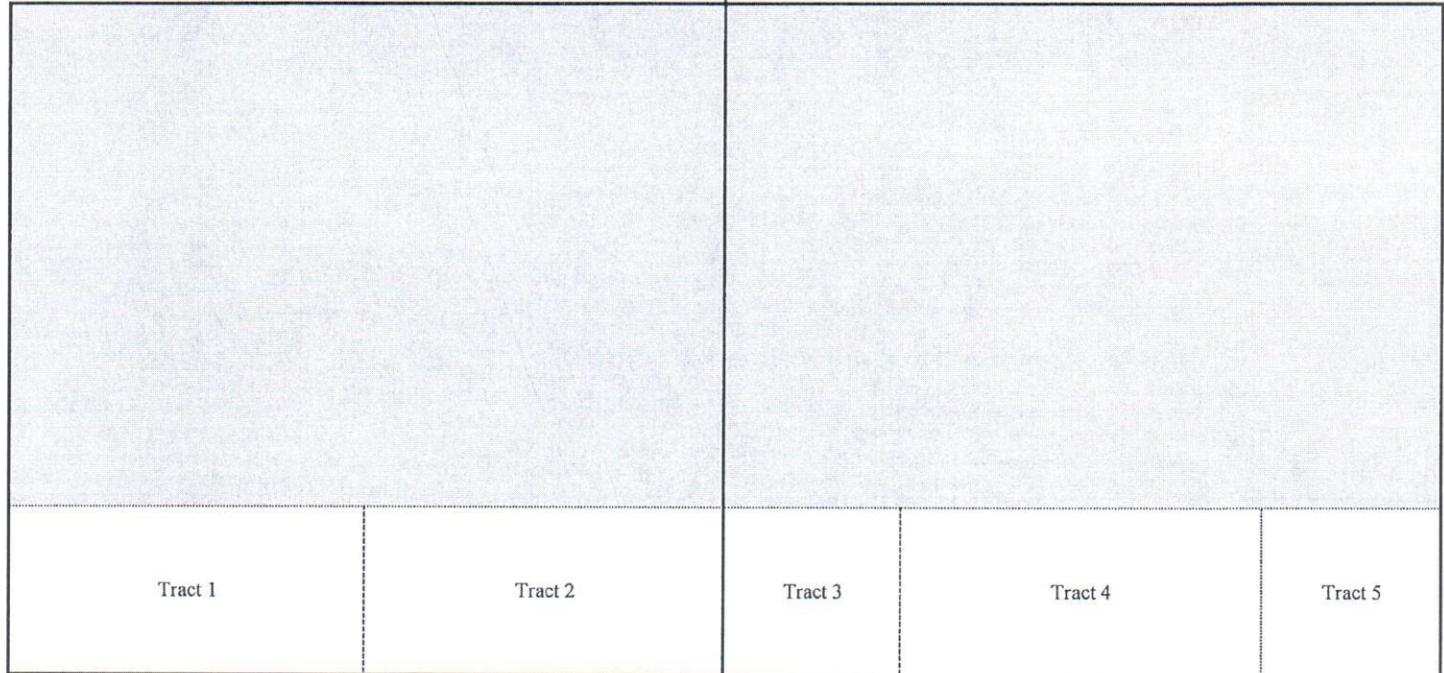
RECAPITUALTION FOR PHOENIX 21/22 B2NP FED COM #1H

| Tract Number | Number of Acres Committeed | Percentage of Interst in Communitized Area |
|--------------|----------------------------|--|
| 1 | 80 | 25.000000% |
| 2 | 80 | 25.000000% |
| 3 | 40 | 12.500000% |
| 4 | 80 | 25.000000% |
| 5 | 40 | 12.500000% |
| TOTAL | 320 | 100.000000% |

T18S-R30E, Eddy County, NM

Section 21

Section 22



TRACT OWNERSHIP

Phoenix 21/22 B2NP Fed Com #1H
S/2S/2 of Section 21 & S/2S/2 of Section 22

S/2S/2 of Section 21 & S/2S/2 of Section 22

Bone Spring Formation:

| Owner | % of Leaschold Interest |
|---|-------------------------|
| Mewbourne Oil Company, et al. | 62.500000% |
| *EOG Resources, Inc. 5509 Champions Dr. Midland, TX 79706 | 37.500000% |

TOTAL 100.000000%

Total Interest Being Pooled: 37.500000%

OWNERSHIP BY TRACT

S/2SW/4 of Section 21

| Owner | % of Leaschold Interest |
|-------------------------------|-------------------------|
| Mewbourne Oil Company, et al. | 100.000000% |

TOTAL 100.000000%

S/2SE/4 of Section 21

| Owner | % of Leaschold Interest |
|-------------------------------|-------------------------|
| Mewbourne Oil Company, et al. | 100.000000% |

TOTAL 100.000000%

SW/4SW/4 of Section 22

| Owner | % of Leasehold Interest |
|---------------------|-------------------------|
| EOG Resources, Inc. | 100.000000% |

TOTAL 100.000000%

SE/4SW/4 & SW/4SE/4 of Section 22

| Owner | % of Leasehold Interest |
|---------------------|-------------------------|
| EOG Resources, Inc. | 100.000000% |
| TOTAL | 100.000000% |

SE/4SE/4 of Section 22

| Owner | % of Leasehold Interest |
|-------------------------------|-------------------------|
| Mewbourne Oil Company, et al. | 100.000000% |
| TOTAL | 100.000000% |

Summary of Communications
Phoenix 21/22 B2NP Fed Com #1H
S/2S/2 of Section 21-T18S-R30E, Eddy County, NM &
S/2S/2 of Section 22-T18S-R30E, Eddy County, NM
Phoenix 21/22 B2KI Fed Com #1H
N/2S/2 of Section 21-T18S-R30E, Eddy County, NM &
N/2S/2 of Section 22-T18S-R30E, Eddy County, NM

EOG Resources, Inc.:

10/25/2018: Mailed a Working Interest Unit, Phoenix 21/22 B2NP Fed Com #1H Well Proposal, and updated Joint Operating Agreement to the above listed party.
12/10/2019: Met with above listed party regarding Working Interest Unit and Well Proposal.
02/04/2020: Phone correspondence with above listed party regarding Working Interest Unit and Well Proposal.
02/11/2020: Correspondence with above listed party regarding Working Interest Unit and Well Proposal.
02/24/2020: Phone correspondence with above listed party regarding Working Interest Unit.
02/20/2020: Correspondence with above listed party regarding Working Interest Unit and Well Proposal.
04/07/2020: Mailed Phoenix 21/22 B2KI Fed Com #1H Well Proposal and replacement B2NP Fed Com #1H AFE to the above listed party.
04/09/2020: Correspondence with above listed party regarding Working Interest Unit and Well Proposal.
04/14/2020: Correspondence with above listed party regarding Working Interest Unit and Well Proposal.
04/22/2020: Mailed updated Phoenix 21/22 B2KI Fed Com #1H Well Proposal and replacement AFE to the above listed party.
07/31/2020: Correspondence with above listed party regarding Working Interest Unit and Well Proposal.
08/03/2020: Correspondence with above listed party regarding Working Interest Unit and Well Proposal.
08/20/2020: Correspondence with above listed party regarding Working Interest Unit and Well Proposal.
09/01/2020: Correspondence with above listed party regarding Working Interest Unit and Well Proposal.
Ongoing: Mewbourne is currently negotiating with EOG Resources, Inc. to acquire all or a portion of their interest.

ConocoPhillips Company:

10/25/2018: Mailed a Working Interest Unit, Phoenix 21/22 B2NP Fed Com #1H Well Proposal, and updated Joint Operating Agreement to the above listed party.
02/19/2019: Correspondence with above listed party regarding Working Interest Unit and Well Proposal.
05/14/2019: Phone correspondence with above listed party regarding Working Interest Unit and Well Proposal.
10/02/2019: Correspondence with above listed party regarding Working Interest Unit and Well Proposal.
10/03/2019: Correspondence with above listed party regarding Working Interest Unit and Well Proposal.
02/13/2020: Correspondence with above listed party regarding Working Interest Unit and Well Proposal.
02/21/2020: Emailed Joint Operating Agreement updates and changes to the above listed party.
03/31/2020: Correspondence with above listed party regarding Working Interest Unit and Well Proposal.
04/02/2020: Correspondence with above listed party regarding Working Interest Unit and Well Proposal.
04/03/2020: Correspondence with above listed party regarding Working Interest Unit and Well Proposal.
04/06/2020: Correspondence with above listed party regarding Working Interest Unit and Well Proposal.
04/07/2020: Mailed Phoenix 21/22 B2KI Fed Com #1H Well Proposal and replacement B2NP Fed Com #1H AFE to the above listed party.
04/22/2020: Mailed updated Phoenix 21/22 B2KI Fed Com #1H Well Proposal and replacement AFE to the above listed party.
07/10/2020: Correspondence with above listed party regarding Working Interest Unit and Well Proposal.
07/31/2020: Correspondence with above listed party regarding Working Interest Unit and Well Proposal.
08/03/2020: Correspondence with above listed party regarding Working Interest Unit and Well Proposal.
08/11/2020: Correspondence with above listed party regarding Working Interest Unit and Well Proposal.

08/12/2020: Correspondence with above listed party regarding Working Interest Unit and Well Proposal.
08/13/2020: Correspondence with above listed party regarding Working Interest Unit and Well Proposal.
08/17/2020: Correspondence with above listed party regarding Working Interest Unit and Well Proposal.
08/18/2020: Correspondence with above listed party regarding Working Interest Unit and Well Proposal.
08/25/2020: Correspondence with above listed party regarding Working Interest Unit and Well Proposal.
09/01/2020: Correspondence with above listed party regarding Working Interest Unit and Well Proposal.
Ongoing: Mewbourne is currently waiting on ConocoPhillips Company to send in their executed JOA and AFEs.

MEWBOURNE OIL COMPANY

500 W. TEXAS, SUITE 1020
MIDLAND, TEXAS 79701

(432) 682-3715
FAX (432) 685-4170

October 25, 2018

Hand Delivered

EOG Resources, Inc.
5509 Champions Dr.
Midland, TX 79706
Attn: Chuck Moran

Re: Phoenix 21/22 WIU
E/2W/2, E/2 Section 21
And all of Section 22,
T18S, R30E
Eddy County, New Mexico

Dear Chuck:

Reference is made to my previous letter dated June 7, 2018 (see copy enclosed) whereby Mewbourne proposed forming the captioned WIU and proposed drilling the Phoenix 21/22 B2MP Fed Com #1H Well as the initial well. Please be advised, Mewbourne withdraws the previous proposed well and proposes to drill the Phoenix 21/22 B2NP Fed. Com #1H Well at a surface location 770' FNL & 270' FEL of Section 29 (the same surface location as the previous well) and drilled horizontally to a terminus point 660' FSL & 330' FEL of Section 22 being the bottom hole location (the same bottom hole location as the previous well). The proposed substitute well will be dedicated to the SE/4SW/4 and S/2SE/4 of Section 21 and the S/2S/2 of the captioned Section 22 as its nonstandard oil proration unit and project area containing 280 acres, more or less.

In reference to the above, enclosed for your further handling is our AFE dated April 23, 2018 for the proposed substitute well. Also enclosed for your further handling is the revised front page of the Operating Agreement, revised Exhibit "A" to the Operating Agreement and revised Exhibit "A" to the Recording Supplement. Please note the WIU now covers 1120 acres more or less. Accordingly, the ownership in the proposed WIU has changed slightly. Please note the revised ownership. Please substitute the enclosed AFE and referenced revised pages for the ones currently in your possession.

Regarding the above, I've ordered the Abstracts for title examination. Upon our receipt of the Drilling Title Opinion, I will forward you a copy of same for your file. Please call me should you have any questions regarding the above.

Sincerely yours,

MEWBURNE OIL COMPANY



D. Paul Haden
Senior Landman

MEWBOURNE OIL COMPANY

500 W. TEXAS, SUITE 1020
MIDLAND, TEXAS 79701

(432) 682-3715
FAX (432) 685-4170

October 25, 2018

Via Overnight Mail (832)486-2662

ConocoPhillips Company
600 N. Dairy Ashford Road
EC3-7-W334
Houston, Tx. 77079

Attn: Mr. Stewart D. O'Neal

Re: Phoenix 21/22 WIU
E/2W/2, E/2 Section 21
And all of Section 22,
T18S, R30E
Eddy County, New Mexico

Dear Stewart:

Reference is made to my previous letter dated June 7 2018 (see copy enclosed) whereby Mewbourne proposed forming the captioned WIU and proposed drilling the Phoenix 21/22 B2MP Fed Com #1H Well as the initial well. Please be advised, Mewbourne withdraws the previous proposed well and proposes to drill the Phoenix 21/22 B2NP Fed. Com #1H Well at a surface location 770' FNL & 270' FEL of Section 29 (the same surface location as the previous well) and drilled horizontally to a terminus point 660' FSL & 330' FEL of Section 22 being the bottom hole location (the same bottom hole location as the previous well). The proposed substitute well will be dedicated to the SE/4SW/4 and S/2SE/4 of Section 21 and the S/2S/2 of the captioned Section 22 as its nonstandard oil proration unit and project area containing 280 acres, more or less.

In reference to the above, enclosed for your further handling is our AFE dated April 23, 2018 for the proposed substitute well. Also enclosed for your further handling is the revised front page of the Operating Agreement, revised Exhibit "A" to the Operating Agreement and revised Exhibit "A" to the Recording Supplement. Please note the WIU now covers 1120 acres more or less. Accordingly, the ownership in the proposed WIU has changed slightly. Please note the revised ownership. Please substitute the enclosed AFE and referenced revised pages for the ones currently in your possession.

Regarding the above, I've ordered the Abstracts for title examination. Upon our receipt of the Drilling Title Opinion, I will forward you a copy of same for your file. Please call me should you have any questions regarding the above.

Sincerely yours,

MEWBOURNE OIL COMPANY



D. Paul Haden
Senior Landman

MEWBOURNE OIL COMPANY
500 WEST TEXAS AVENUE, SUITE 1020
MIDLAND, TEXAS 79701-4279

TELEPHONE (432) 682-3715

April 7, 2020

Via Certified Mail & E-Mail

EOG Resources, Inc.
5509 Champions Dr.
Midland, Texas 79706
Attn: Laci Stretcher

Re: Phoenix "21/22" B2KI Fed Com No. 1H
720' FNL & 270' FEL (SL) (Sec. 29)
660' FSL & 1980' FEL (BHL) (Sec. 22)
Section 21/22, T18S, R30E
Eddy County, New Mexico

To Whom It May Concern:

Mewbourne Oil Company ("Mewbourne") hereby proposes to drill the captioned well at the above referenced surface location (SL) to the referenced bottom hole location (BHL). The proposed well will be drilled to an approximate true vertical depth (TVD) of 8,309 feet subsurface to evaluate the Bone Spring Formation. The proposed well will have a measured depth (MD) of approximately 19,043 feet. The N/2S/2 of the captioned Section 21 and the N/2S/2 of the captioned Section 22 will be dedicated to the well as the proration unit.

Also attached is a revised AFE for the Phoenix 21/22 B2NP Fed Com No. 1H due to new pad drilling and decreased costs. Please be advised that this is **NOT** a retraction of the original well proposal, rather an update/reduction in costs estimates.

Regarding the above, enclosed for your further handling is our AFE dated March 31, 2020 for the captioned proposed well. In the event your firm elects to participate in the proposed well, please execute the enclosed AFE and return to me within thirty (30) days. The proposed Joint Operating Agreement has been previously provided.

Should you have any questions regarding the above, please email me at janderson@mewbourne.com or call me at (432) 682-3715.

Sincerely,
MEWBOURNE OIL COMPANY



Josh Anderson, RPL
Landman

MEWBOURNE OIL COMPANY

500 WEST TEXAS AVENUE, SUITE 1020
MIDLAND, TEXAS 79701-4279

TELEPHONE (432) 682-3715

April 7, 2020

Via Certified Mail & E-Mail

ConocoPhillips Company
P.O. Box 2197
Houston, Texas 77252
Attn: Wyn McCubbin

Re: Phoenix "21/22" B2KI Fed Com No. 1H
720' FNL & 270' FEL (SL) (Sec. 29)
660' FSL & 1980' FEL (BHL) (Sec. 22)
Section 21/22, T18S, R30E
Eddy County, New Mexico

To Whom It May Concern:

Mewbourne Oil Company ("Mewbourne") hereby proposes to drill the captioned well at the above referenced surface location (SL) to the referenced bottom hole location (BHL). The proposed well will be drilled to an approximate true vertical depth (TVD) of 8,309 feet subsurface to evaluate the Bone Spring Formation. The proposed well will have a measured depth (MD) of approximately 19,043 feet. The N/2S/2 of the captioned Section 21 and the N/2S/2 of the captioned Section 22 will be dedicated to the well as the proration unit.

Also attached is a revised AFE for the Phoenix 21/22 B2NP Fed Com No. 1H due to new pad drilling and decreased costs. Please be advised that this is **NOT** a retraction of the original well proposal, rather an update/reduction in costs estimates.

Regarding the above, enclosed for your further handling is our AFE dated March 31, 2020 for the captioned proposed well. In the event your firm elects to participate in the proposed well, please execute the enclosed AFE and return to me within thirty (30) days. The proposed Joint Operating Agreement has been previously provided.

Should you have any questions regarding the above, please email me at janderson@mewbourne.com or call me at (432) 682-3715.

Sincerely,
MEWBOURNE OIL COMPANY



Josh Anderson, RPL
Landman

MEWBOURNE OIL COMPANY

500 WEST TEXAS AVENUE, SUITE 1020
MIDLAND, TEXAS 79701-4279

TELEPHONE (432) 682-3715

April 22, 2020

Via Certified Mail & E-Mail

EOG Resources, Inc.
5509 Champions Dr.
Midland, Texas 79706
Attn: Laci Stretcher

Re: Phoenix "21/22" B2KI Fed Com No. 1H
770' FNL & 300' FEL (SL) (Sec. 29)
1980' FSL & 100' FEL (BHL) (Sec. 22)
Section 21/22, T18S, R30E
Eddy County, New Mexico

To Whom It May Concern:

Mewbourne Oil Company ("Mewbourne") previously proposed to drill the captioned well. Mewbourne would like to correct that proposal with the new above referenced surface location (SL) and bottom hole location (BHL). The proposed well will still be drilled to an approximate true vertical depth (TVD) of 8,309 feet subsurface to evaluate the Bone Spring Formation. The proposed well will still have a measured depth (MD) of approximately 19,043 feet. The N/2S/2 of the captioned Section 21 and the N/2S/2 of the captioned Section 22 will be dedicated to the well as the proration unit.

Also attached is a revised AFE for the above captioned well. Please be advised that this is **NOT** a retraction of the original well proposal, rather a correction of the previous AFE's surface and bottom hole locations.

Regarding the above, enclosed for your further handling is our corrected AFE dated March 31, 2020 for the captioned proposed well. In the event your firm elects to participate in the proposed well, please execute the enclosed AFE and return to me within thirty (30) days. The proposed Joint Operating Agreement has been previously provided.

Sorry for any confusion. Should you have any questions regarding the above, please email me at janderson@mewbourne.com or call me at (432) 682-3715.

Sincerely,
MEWBOURNE OIL COMPANY



Josh Anderson, RPL
Landman

MEWBOURNE OIL COMPANY
500 WEST TEXAS AVENUE, SUITE 1020
MIDLAND, TEXAS 79701-4279

TELEPHONE (432) 682-3715

April 22, 2020

Via Certified Mail & E-Mail

ConocoPhillips Company
P.O. Box 2197
Houston, Texas 77252
Attn: Wyn McCubbin

Re: Phoenix "21/22" B2KI Fed Com No. 1H
770' FNL & 300' FEL (SL) (Sec. 29)
1980' FSL & 100' FEL (BHL) (Sec. 22)
Section 21/22, T18S, R30E
Eddy County, New Mexico

To Whom It May Concern:

Mewbourne Oil Company ("Mewbourne") previously proposed to drill the captioned well. Mewbourne would like to correct that proposal with the new above referenced surface location (SL) and bottom hole location (BHL). The proposed well will still be drilled to an approximate true vertical depth (TVD) of 8,309 feet subsurface to evaluate the Bone Spring Formation. The proposed well will still have a measured depth (MD) of approximately 19,043 feet. The N/2S/2 of the captioned Section 21 and the N/2S/2 of the captioned Section 22 will be dedicated to the well as the proration unit.

Also attached is a revised AFE for the above captioned well. Please be advised that this is **NOT** a retraction of the original well proposal, rather a correction of the previous AFE's surface and bottom hole locations.

Regarding the above, enclosed for your further handling is our corrected AFE dated March 31, 2020 for the captioned proposed well. In the event your firm elects to participate in the proposed well, please execute the enclosed AFE and return to me within thirty (30) days. The proposed Joint Operating Agreement has been previously provided.

Sorry for any confusion. Should you have any questions regarding the above, please email me at janderson@mewbourne.com or call me at (432) 682-3715.

Sincerely,
MEWBOURNE OIL COMPANY



Josh Anderson, RPL
Landman

MEWBURNE OIL COMPANY

AUTHORIZATION FOR EXPENDITURE

| | | | | |
|--------------------------------------|---|------------------------|--------------------|--------------------|
| Well Name: | Phoenix 21/22 B2NP Fed Com #1H <i>100'</i> | Prospect: | Bone Spring | |
| Location: | SL: 770' FNL & 270' FEL (29); BHL: 660' FSL & 330' FEL (22) | County: | Eddy | |
| Sec. | 29 | Blk: | | |
| Survey: | | TWP: | 18S | |
| RNG: | 30E | Prop. TVD: | 8344 | |
| | | TMD: | 18486 | |
| INTANGIBLE COSTS 0180 | | CODE | TCP | |
| Regulatory Permits & Surveys | | 0180-0100 | \$20,000 | |
| Location / Road / Site / Preparation | | 0180-0105 | \$45,000 | |
| Location / Restoration | | 0180-0106 | \$200,000 | |
| Daywork / Turnkey / Footage Drilling | 30 days drlg / 4 days comp @ \$19500/d | 0180-0110 | \$624,800 | |
| Fuel | 1700 gal/day @ \$1.1/gal | 0180-0114 | \$59,900 | |
| Mud, Chemical & Additives | | 0180-0120 | \$160,000 | |
| Horizontal Drillout Services | | | 0180-0222 | \$200,000 |
| Cementing | | 0180-0125 | \$80,000 | |
| Logging & Wireline Services | | 0180-0130 | \$2,300 | |
| Casing / Tubing / Snubbing Service | | 0180-0134 | \$19,000 | |
| Mud Logging | | 0180-0137 | \$30,000 | |
| Stimulation | 48 Stg 19.4 MM gal / 19.4 MM lb | | 0180-0241 | \$1,320,000 |
| Stimulation Rentals & Other | | | 0180-0242 | \$160,000 |
| Water & Other | | 0180-0145 | \$50,000 | |
| Bits | | 0180-0148 | \$106,800 | |
| Inspection & Repair Services | | 0180-0150 | \$50,000 | |
| Misc. Air & Pumping Services | | 0180-0154 | | |
| Testing & Flowback Services | | 0180-0158 | \$12,000 | |
| Completion / Workover Rig | | 0180-0170 | | |
| Rig Mobilization | | 0180-0184 | \$120,000 | |
| Transportation | | 0180-0165 | \$30,000 | |
| Welding Services | | 0180-0188 | \$4,000 | |
| Contract Services & Supervision | | 0180-0170 | | |
| Directional Services | Includes Vertical Control | 0180-0175 | \$403,000 | |
| Equipment Rental | | 0180-0180 | \$221,300 | |
| Well / Lease Legal | | 0180-0184 | \$5,000 | |
| Well / Lease Insurance | | 0180-0185 | \$4,800 | |
| Intangible Supplies | | 0180-0188 | \$8,000 | |
| Damages | | 0180-0190 | | |
| ROW & Easements | | 0180-0192 | | |
| Pipeline Interconnect | | | 0180-0292 | \$1,000 |
| Company Supervision | | 0180-0195 | \$277,200 | |
| Overhead Fixed Rate | | 0180-0196 | \$10,000 | |
| Well Abandonment | | 0180-0198 | | |
| Contingencies | 2% (TCP) 2% (CC) | 0180-0199 | \$50,900 | |
| | | TOTAL | \$2,594,000 | \$3,218,700 |
| TANGIBLE COSTS 0181 | | | | |
| Casing (19.1" - 30") | | 0181-0793 | | |
| Casing (10.1" - 19.0") | 450' - 13 3/8" 54.5# J-55 ST&C @ \$32.16/ft | 0181-0794 | \$15,500 | |
| Casing (8.1" - 10.0") | 2550' - 9 5/8" 36# J-55 LT&C @ \$19.82/ft | 0181-0795 | \$54,000 | |
| Casing (6.1" - 8.0") | 8620' - 7" 29# HCP-110 LT&C @ \$21.47/ft | 0181-0796 | \$197,700 | |
| Casing (4.1" - 6.0") | 10760' - 4 1/2" 13.5# P-110 BPN @ \$11.72/ft | | 0181-0797 | \$134,700 |
| Tubing | 7730' - 2 7/8" 6.5# L-80 Tbg @ \$4.54/ft | | 0181-0798 | \$37,500 |
| Drilling Head | | 0181-0860 | \$40,000 | |
| Tubing Head & Upper Section | | | 0181-0870 | \$30,000 |
| Horizontal Completion Tools | Completion Liner Hanger | | 0181-0871 | \$45,000 |
| Sucker Rods | | | 0181-0875 | |
| Subsurface Equipment | | | 0181-0880 | \$10,000 |
| Artificial Lift Systems | Gas Lift Valves | | 0181-0884 | \$15,000 |
| Pumping Unit | | | 0181-0885 | |
| Surface Pumps & Prime Movers | 1/2 VRU/SWD Pump | | 0181-0886 | \$55,000 |
| Tanks - Oil | 1/2 of 6 - 750 bbl | | 0181-0890 | \$60,000 |
| Tanks - Water | 1/2 of 5 - 750 bbl coated | | 0181-0891 | \$50,000 |
| Separation / Treating Equipment | 1/2 GB/VRT/Flare/30"x10'x1k# 3ph/48"x16'x1k# Horiz | | 0181-0895 | \$154,000 |
| Heater Treaters, Line Heaters | 8'x20'x75# HT | | 0181-0897 | \$27,000 |
| Metering Equipment | | | 0181-0898 | \$15,000 |
| Line Pipe & Valves - Gathering | 1/2 of 2 x 0.5 Mile 4" SWD | | 0181-0900 | \$7,500 |
| Fittings / Valves & Accessories | | | 0181-0906 | \$150,000 |
| Cathodic Protection | Inc. Automation | | 0181-0908 | \$57,500 |
| Electrical Installation | | | 0181-0909 | \$75,000 |
| Equipment Installation | | | 0181-0910 | \$100,000 |
| Pipeline Construction | 1/2 of 2 x 0.5 Mile 4" SWD | | 0181-0920 | \$5,000 |
| | | TOTAL | \$307,200 | \$1,028,200 |
| | | SUBTOTAL | \$2,901,200 | \$4,246,900 |
| | | TOTAL WELL COST | \$7,148,100 | |

Extra Expense Insurance

- I elect to be covered by Operator's Extra Expense Insurance and pay my proportionate share of the premium.
 Operator has secured Extra Expense Insurance covering costs of well control, clean up and redrilling as estimated in Line Item 0180-0185.
- I elect to purchase my own well control insurance policy.

If neither box is checked above, non-operating working interest owner elects to be covered by Operator's well control insurance.

Prepared by: Andy Taylor Date: 3/30/2020

Company Approval: m. white Date: 3/31/2020

Joint Owner Interest: _____ Amount: _____ Signature: _____
 Joint Owner Name: _____

ATTACHMENT

D

MEWBOURNE OIL COMPANY
AUTHORIZATION FOR EXPENDITURE

| | | |
|--|--|--|
| Well Name: Phoenix 21/22 B2KI Fed Com #1H | Prospect: Bone Spring | |
| Location: SL: 770' FNL & 300' FEL (29); BHL: 1980' FSL & 100' FEL (22) | County: Eddy ST: NM | |
| Sec. 29 BIK: Survey: | TWP: 18S RNG: 30E Prop. TVD: 8309 TMD: 19043 | |
| INTANGIBLE COSTS 0180 | | |
| Regulatory Permits & Surveys | CODE TCP CODE CC | |
| Location / Road / Site / Preparation | 0180-0100 \$20,000 0180-0200 | |
| Location / Restoration | 0180-0105 \$45,000 0180-0205 \$25,000 | |
| Daywork / Turnkey / Footage Drilling | 31 days drlg / 4 days comp @ \$19500/d | 0180-0106 \$200,000 0180-0206 \$40,000 |
| Fuel | 1700 gal/day @ \$1.1/gal | 0180-0110 \$645,700 0180-0210 \$83,300 |
| Mud, Chemical & Additives | | 0180-0114 \$61,900 0180-0214 \$230,000 |
| Horizontal Drillout Services | | 0180-0120 \$160,000 0180-0220 |
| Cementing | | 0180-0122 \$200,000 |
| Logging & Wireline Services | | 0180-0125 \$80,000 0180-0225 \$30,000 |
| Casing / Tubing / Snubbing Service | | 0180-0130 \$2,300 0180-0230 \$275,000 |
| Mud Logging | | 0180-0134 \$19,000 0180-0234 \$40,000 |
| Stimulation | 48 Stg 19.4 MM gal / 19.4 MM lb | 0180-0137 \$30,000 |
| Stimulation Rentals & Other | | 0180-0241 \$1,320,000 |
| Water & Other | | 0180-0242 \$160,000 |
| Bits | | 0180-0145 \$50,000 0180-0245 \$480,000 |
| Inspection & Repair Services | | 0180-0146 \$106,800 0180-0248 \$5,000 |
| Misc. Air & Pumping Services | | 0180-0150 \$50,000 0180-0250 \$5,000 |
| Testing & Flowback Services | | 0180-0154 \$10,000 0180-0254 \$10,000 |
| Completion / Workover Rig | | 0180-0158 \$12,000 0180-0258 \$24,000 |
| Rig Mobilization | | 0180-0260 \$10,500 |
| Transportation | | 0180-0164 \$120,000 |
| Welding Services | | 0180-0165 \$30,000 0180-0265 \$20,000 |
| Contract Services & Supervision | | 0180-0168 \$4,000 0180-0268 \$15,000 |
| Directional Services | Includes Vertical Control | 0180-0170 \$30,000 |
| Equipment Rental | | 0180-0175 \$417,000 |
| Well / Lease Legal | | 0180-0180 \$221,300 0180-0280 \$30,000 |
| Well / Lease Insurance | | 0180-0184 \$5,000 0180-0284 |
| Intangible Supplies | | 0180-0185 \$4,800 0180-0285 |
| Damages | | 0180-0188 \$8,000 0180-0288 \$1,000 |
| ROW & Easements | | 0180-0190 \$1,000 |
| Pipeline Interconnect | | 0180-0192 \$1,000 |
| Company Supervision | | 0180-0195 \$286,400 0180-0295 \$100,800 |
| Overhead Fixed Rate | | 0180-0196 \$10,000 0180-0296 \$20,000 |
| Well Abandonment | | 0180-0198 \$1,000 |
| Contingencies | 2% (TCP) 2% (CC) | 0180-0199 \$517,840 0180-0299 \$631,120 |
| TOTAL | | \$2,594,000 \$3,218,700 |
| TANGIBLE COSTS 0181 | | |
| Casing (19.1" - 30") | | 0181-0793 |
| Casing (10.1" - 19.0") | 450' - 13 3/8" 54.5# J-55 ST&C @ \$32.18/ft | 0181-0794 \$15,500 |
| Casing (8.1" - 10.0") | 2550' - 9 5/8" 36# J-55 LT&C @ \$19.82/ft | 0181-0795 \$54,000 |
| Casing (6.1" - 8.0") | 900' - 7" 29# HCP-110 LT&C @ \$21.47/ft | 0181-0796 \$206,400 |
| Casing (4.1" - 6.0") | 11310' - 4 1/2" 13.5# P-110 BPN @ \$11.72/ft | |
| Tubing | 8110' - 2 7/8" 6.5# L-80 Tbg @ \$4.54/ft | 0181-0797 \$141,600 0181-0798 \$39,400 |
| Drilling Head | | 0181-0860 \$40,000 |
| Tubing Head & Upper Section | | 0181-0870 \$30,000 |
| Horizontal Completion Tools | Completion Liner Hanger | 0181-0871 \$45,000 |
| Sucker Rods | | 0181-0875 |
| Subsurface Equipment | | 0181-0880 \$10,000 |
| Artificial Lift Systems | Gas Lift Valves | 0181-0884 \$15,000 |
| Pumping Unit | | 0181-0885 |
| Surface Pumps & Prime Movers | 1/2 VRU/SWD Pump | 0181-0886 \$55,000 |
| Tanks - Oil | 1/2 of 6 - 750 bbl | 0181-0890 \$60,000 |
| Tanks - Water | 1/2 of 5 - 750 bbl coated | 0181-0891 \$50,000 |
| Separation / Treating Equipment | 1/2 GB/VRT/flare/30"x10'x1k# 3ph/48"x16'x1k# Horiz | 0181-0895 \$154,000 |
| Heater Treaters, Line Heaters | 8'x20'x75# HT | 0181-0897 \$27,000 |
| Metering Equipment | | 0181-0898 \$15,000 |
| Line Pipe & Valves - Gathering | 1/2 of 2 x 0.5 Mile 4" SWD | 0181-0900 \$7,500 |
| Fittings / Valves & Accessories | | 0181-0906 \$150,000 |
| Cathodic Protection | Inc. Automation | 0181-0908 \$57,500 |
| Electrical Installation | | 0181-0909 \$75,000 |
| Equipment Installation | | 0181-0910 \$100,000 |
| Pipeline Construction | 1/2 of 2 x 0.5 Mile 4" SWD | 0181-0920 \$5,000 |
| TOTAL | | \$315,900 \$1,037,000 |
| SUBTOTAL | | \$2,909,900 \$4,255,700 |
| TOTAL WELL COST | | \$7,165,600 |
| Extra Expense Insurance | | |
| <input type="checkbox"/> I elect to be covered by Operator's Extra Expense Insurance and pay my proportionate share of the premium. Operator has secured Extra Expense Insurance covering costs of well control, clean up and redrilling as estimated in Line Item 0180-0185. | | |
| <input type="checkbox"/> I elect to purchase my own well control insurance policy. | | |
| If neither box is checked above, non-operating working interest owner elects to be covered by Operator's well control insurance. | | |
| Prepared by: | Andy Taylor | Date: 3/30/2020 |
| Company Approval: | <i>Mr. White</i> | Date: 3/31/2020 |
| Joint Owner Interest: | Amount: | Signature: |
| Joint Owner Name: | | |

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

APPLICATION OF MEWBOURNE OIL COMPANY
FOR COMPULSORY POOLING, EDDY COUNTY,
NEW MEXICO.

Case No. 21406

APPLICATION OF MEWBOURNE OIL COMPANY
FOR COMPULSORY POOLING, EDDY COUNTY,
NEW MEXICO.

Case No. 21407

SELF-AFFIRMED STATEMENT OF CHARLES CROSBY

COUNTY OF MIDLAND)
)
) ss.
STATE OF TEXAS)

Charles Crosby deposes and states:

1. I am over the age of 18, and have personal knowledge of the matters stated herein.
2. I am a geologist for Mewbourne Oil Company ("Mewbourne"), and I am familiar with the geological matters involved in these cases. I have been qualified by the Division as an expert petroleum geologist.
3. The following geological plats are attached hereto:
 - (a) Attachment A is a structure map on the base of the 2nd Bone Spring Sand. It shows that structure dips gently to the east/southeast. It also shows 2nd Bone Spring Sand wells in the area, and a line of cross-section.
 - (b) Attachment B is a Lower 2nd Bone Spring Sand Gross Thickness Map.
 - (c) Attachment C is a cross section of the 2nd Bone Spring Sand. The well logs on the cross-section give a representative sample of the 2nd Bone Spring Sand in this area, the target zone for the proposed well. The sand is continuous and uniformly thick across the well units.
4. I conclude from the maps that:
 - (a) The horizontal spacing units are justified from a geologic standpoint.

EXHIBIT

3

(b) The target zone is continuous and of relatively uniform thickness across the well units.

(c) Each quarter-quarter section in the well units will contribute more or less equally to production from the target zone.

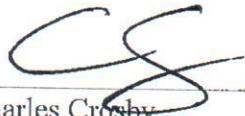
(d) There is no faulting or other geologic impediment in the area which will affect drilling of the subject wells.

5. Attachment D contains production information from other 2nd Bone Spring Sand wells drilled in this area. There are both standup and laydown Bone Spring wells in this area, but with a preference for laydown wells.

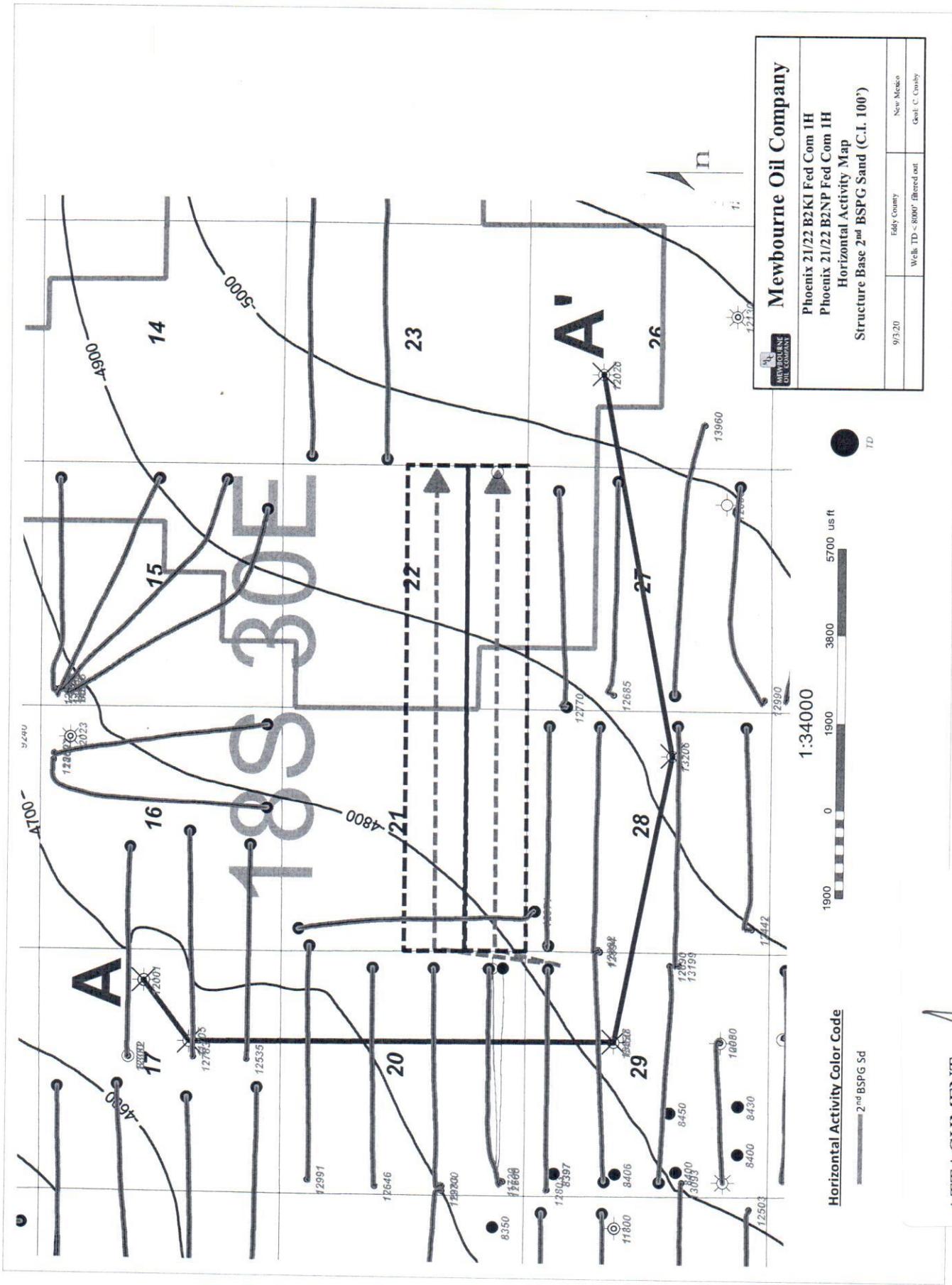
6. Attachment E contains the horizontal drilling plans for the proposed wells. The producing intervals of the wells will be orthodox.

7. I understand that this Self-Affirmed Statement will be used as written testimony in these cases. I affirm that my testimony in paragraphs 1 through 6 above is true and correct and is made under penalty of perjury under the laws of the State of New Mexico. My testimony is made as of the date handwritten next to my signature below.

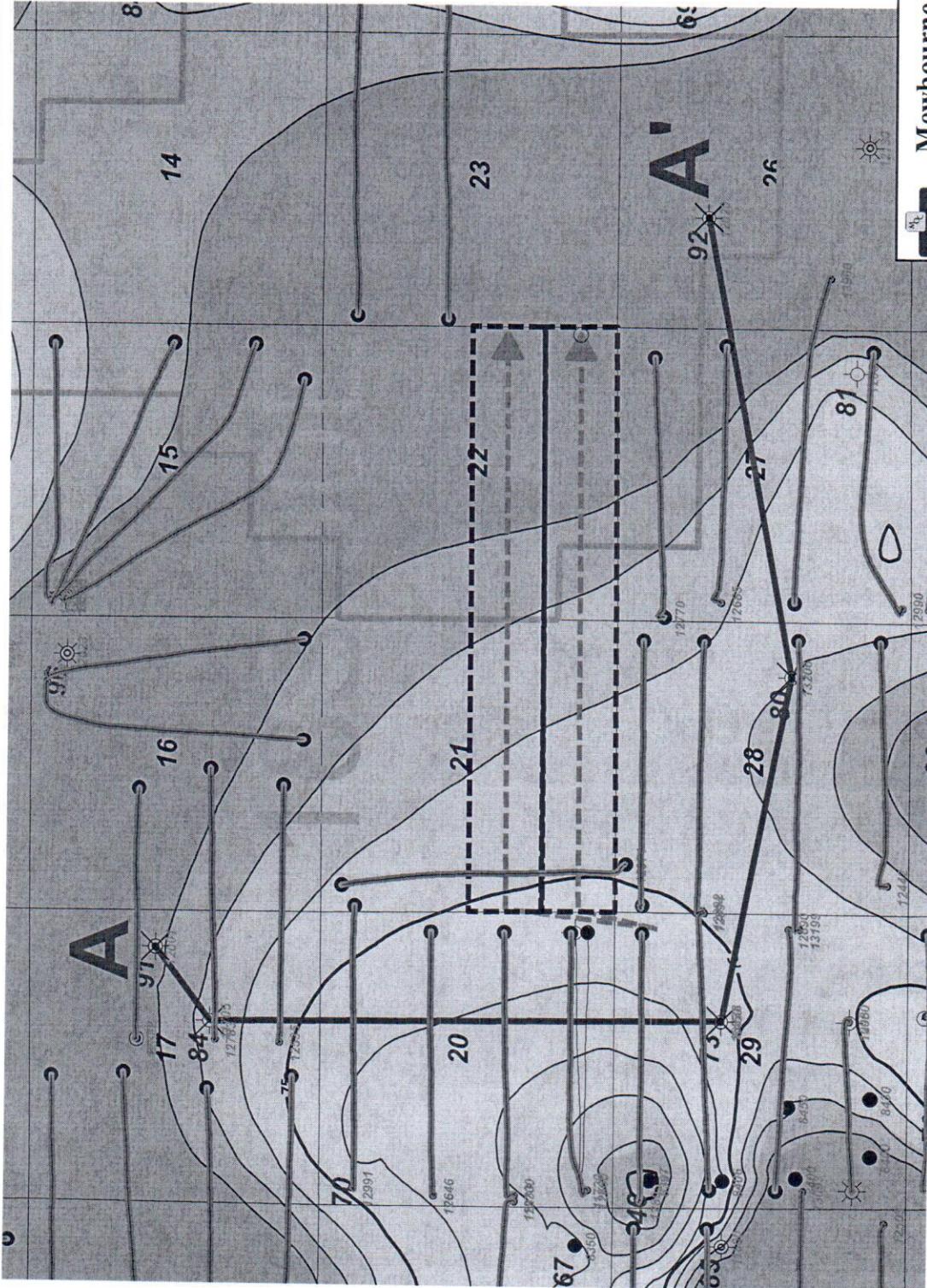
Date: 9/3/20



Charles Crosby

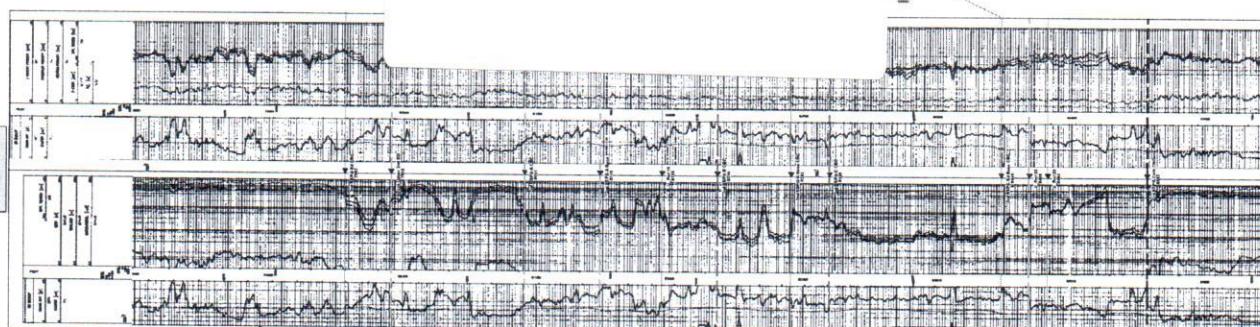


ATTACHMENT

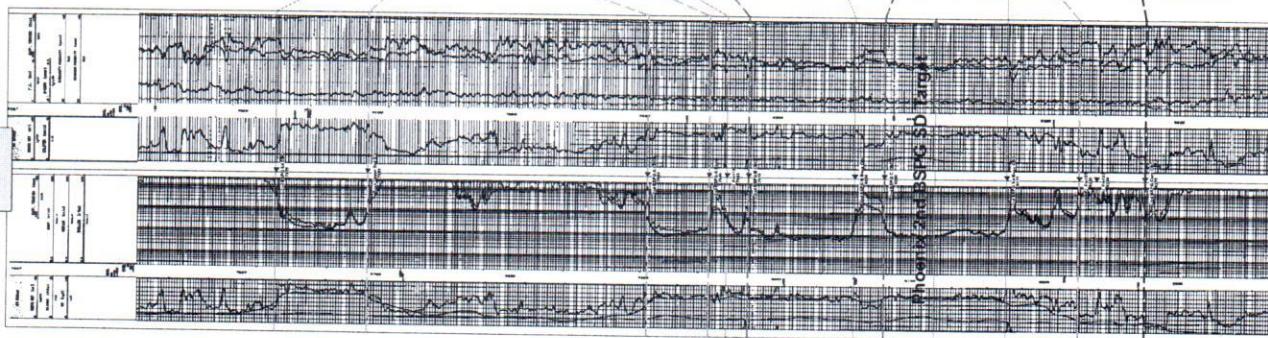
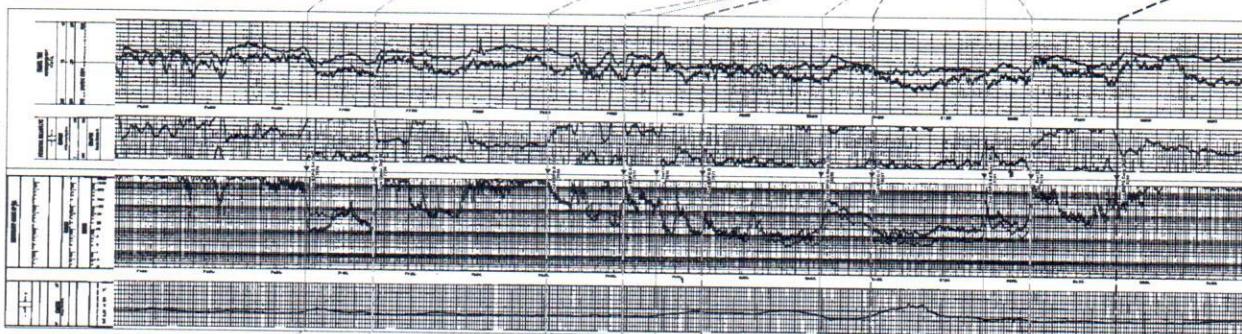
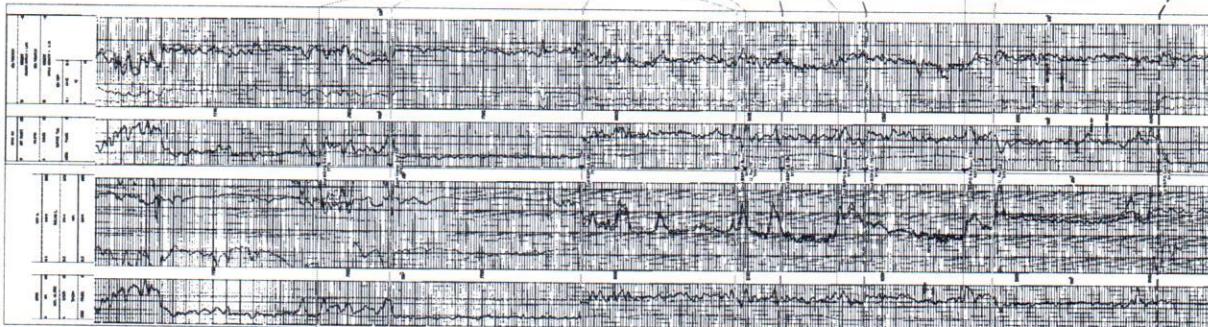
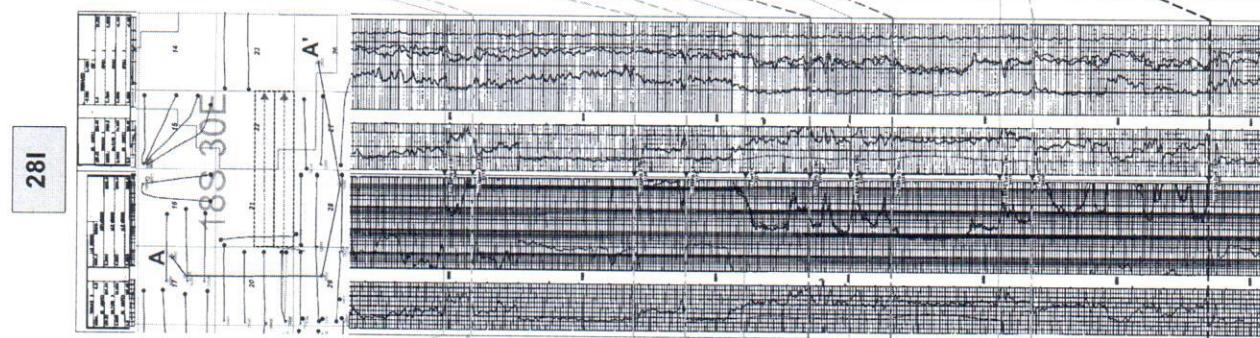


ATTACHMENT

C



**Phoenix 2nd BSPG Sand Cross
Section Exhibit (A-A')**



Top 2nd
BSPG SD

500

Base Lower
02nd BSPG
SD

Top 3rd
BSPG Carb

Phoenix Area 2nd BSPG SD Horizontal Production Table

| Well Name | Operator | API | Location | Completion Date | Cum Oil (Mbo) | Cum Gas (Bcf) | Cum Water (MbW) | NS/EW | Production Zone |
|---------------------------------|-----------|-----------------|-------------|-----------------|---------------|---------------|-----------------|-------|-----------------|
| Aries 20 Federal Com 1H | Newbourne | 30015378190000 | 200/18S/30E | 9/18/2010 | 135.5 | 0.4 | 162.1 | EW | 2nd BSPG SD |
| Bradley 28 Federal Com 1H | Newbourne | 30015382280000 | 28E/18S/30E | 7/1/2011 | 88.9 | 0.2 | 142.9 | EW | 2nd BSPG SD |
| Bradley 29 Federal Com 3H | Newbourne | 30015383360000 | 29I/18S/30E | 6/25/2012 | 110.3 | 0.3 | 164.1 | EW | 2nd BSPG SD |
| Aries 20 Federal Com 2H | Newbourne | 300153833920000 | 20E/18S/30E | 3/19/2011 | 106.9 | 0.3 | 143.9 | EW | 2nd BSPG SD |
| Bradley 29 Federal Com 4H | Newbourne | 300153834870000 | 29D/18S/30E | 12/26/2011 | 65.1 | 0.2 | 189.6 | EW | 2nd BSPG SD |
| Bradley 29 Federal Com 2H | Newbourne | 30015386600000 | 28E/18S/30E | 7/1/2011 | 63.3 | 0.2 | 119.5 | EW | 2nd BSPG SD |
| Sand Tank 17 Federal Com 3H | EOG | 30015391680100 | 17G/18S/30E | 9/26/2011 | 102.5 | 0.3 | 47.1 | EW | 2nd BSPG SD |
| Sand Tank 17 Federal Com 4H | EOG | 30015391690000 | 17J/18S/30E | 3/31/2012 | 95.8 | 0.3 | 50.7 | EW | 2nd BSPG SD |
| Phoenix 21 NC Federal Com 1H | Newbourne | 30015393500000 | 28D/18S/30E | 10/28/2011 | 70.5 | 0.2 | 47.3 | NS | 2nd BSPG SD |
| Aries 20 Federal Com 3H | Newbourne | 30015394320000 | 20L/18S/30E | 3/9/2012 | 141.8 | 0.5 | 216.4 | EW | 2nd BSPG SD |
| Bradley 28 Federal Com 2H | Newbourne | 30015394580000 | 28D/18S/30E | 3/15/2012 | 138.5 | 0.3 | 151.3 | EW | 2nd BSPG SD |
| Ursa 27 Federal Com 4H | Newbourne | 30015395820000 | 27D/18S/30E | 12/14/2013 | 223.3 | 0.5 | 176.6 | EW | 2nd BSPG SD |
| Sand Tank 17 Federal Com 5H | EOG | 30015396710000 | 17O/18S/30E | 3/27/2012 | 121.1 | 0.5 | 135.1 | EW | 2nd BSPG SD |
| Aries 20 Federal Com 4H | Newbourne | 30015404270100 | 20M/18S/30E | 2/20/2013 | 51.5 | 0.2 | 132.1 | EW | 2nd BSPG SD |
| Bradley 28 Federal Com 4H | Newbourne | 30015408340000 | 29I/18S/30E | 1/17/2013 | 73.6 | 0.2 | 62.6 | EW | 2nd BSPG SD |
| Leo 15 DA Federal Com 1H | Newbourne | 30015421850000 | 15D/18S/30E | 9/1/2014 | 290.8 | 0.6 | 76.3 | EW | 2nd BSPG SD |
| Cookie Tesser State Com 1H | COG | 30015424390000 | 16A/18S/30E | 4/17/2016 | 139.7 | 0.3 | 90.1 | NS | 2nd BSPG SD |
| Cookie Tesser State Com 2H | COG | 30015424400000 | 16A/18S/30E | 4/20/2016 | 123.1 | 0.3 | 105.7 | NS | 2nd BSPG SD |
| Ursa 27 B21L Federal Com 1H | Newbourne | 30015425260000 | 26L/18S/30E | 10/29/2014 | 202.8 | 0.6 | 143.9 | EW | 2nd BSPG SD |
| Ursa 27 B2EH Federal Com 1H | Newbourne | 30015425960000 | 27F/18S/30E | 10/26/2014 | 200.4 | 0.7 | 125.6 | EW | 2nd BSPG SD |
| Leo 15 B2DH Federal Com 1H | Newbourne | 30015428980000 | 15D/18S/30E | 3/27/2015 | 361.4 | 1.1 | 89.9 | NWSE | 2nd BSPG SD |
| Leo 15 B2DP Federal Com 1H | Newbourne | 300154332410000 | 15D/18S/30E | 1/17/2016 | 278.5 | 1.1 | 76.3 | NWSE | 2nd BSPG SD |
| Leo 15 B2DN Federal Com 1H | Newbourne | 30015433120100 | 15D/18S/30E | 1/24/2016 | 334.2 | 0.8 | 103.1 | NWSE | 2nd BSPG SD |
| Virgo 24/23 B2AD Federal Com 1H | Newbourne | 30015445790000 | 24A/18S/30E | 10/4/2018 | 432.3 | 0.6 | 289.3 | EW | 2nd BSPG SD |
| Virgo 24/23 B2HE Federal Com 1H | Newbourne | 30015446550000 | 24H/18S/30E | 3/21/2019 | 343.7 | 0.4 | 211.1 | EW | 2nd BSPG SD |

ATTACHMENT ▶

Mewbourne Oil Company

SURVEY CALCULATION REPORT Minimum Curvature Calculations

Operator: Mewbourne Oil Company
 Lease Name: Phoenix 21/22 B2KI Fed Com 1H
 KOP 7712.54
 SL: 720 FNL & 270 FEL Sec 29/18S/30E
 BHL: 1980 FSL & 100 FEL Sec 22/18S/30E

Target KBTVD: 8,190 Feet 8190.00
 Target Angle: 89.36 Degrees 89.36
 Section Plane: 75.55 Degrees
 Declination Corrected to True North: 6.63 Degrees
 Bit to Survey Offset: 44 Feet

| Survey No. | Measured Depth-ft | Drift (Deg.) | Azimuth (Deg.) | Course Length | TVD (Feet) | Vertical Section | +N/-S (Feet) | +E/-W (Feet) | Closure Distance | Closure Direction | BUR | DLS | KBTVD | +Above Target | -Below Target | DRIFT (RADIANS) | AZIMUTH (RADIANS) |
|------------|-------------------|--------------|----------------|---------------|------------|------------------|--------------|--------------|------------------|-------------------|------|--------|--------|---------------|---------------|-----------------|-------------------|
| T/I | 7712.54 | 0.00 | 75.55 | N/A | 7712.5 | 0.0 | 0.0 | 0.0 | 0.0 | N/A | N/A | 7712.5 | 477.5 | 1E-12 | 1.32 | #VALUE! | |
| 1 | 7787.00 | 8.94 | 75.55 | 74.463 | 7786.7 | 5.8 | 1.4 | 5.6 | 5.8 | 75.5 | 12.0 | 12.0 | 7786.6 | 403.4 | 0.15595014 | 1.32 | 0.155955 |
| 2 | 7861.46 | 17.87 | 75.55 | 74.463 | 7859.1 | 23.0 | 5.7 | 22.3 | 23.0 | 75.5 | 12.0 | 12.0 | 7858.8 | 331.2 | 0.311910027 | 1.32 | 0.155955 |
| 3 | 7935.92 | 26.81 | 75.55 | 74.463 | 7927.9 | 51.3 | 12.8 | 49.7 | 51.3 | 75.5 | 12.0 | 12.0 | 7927.3 | 262.7 | 0.467865041 | 1.32 | 0.155955 |
| 4 | 8010.39 | 35.74 | 75.55 | 74.463 | 7991.4 | 89.9 | 22.4 | 87.1 | 89.9 | 75.5 | 12.0 | 12.0 | 7990.4 | 199.6 | 0.623820054 | 1.32 | 0.155955 |
| 5 | 8084.85 | 44.68 | 75.55 | 74.463 | 8082.4 | 138.0 | 34.4 | 133.6 | 138.0 | 75.5 | 12.0 | 12.0 | 8046.7 | 143.3 | 0.797775068 | 1.32 | 0.155955 |
| 6 | 8159.31 | 53.61 | 75.55 | 74.463 | 8096.9 | 194.2 | 48.5 | 188.1 | 194.2 | 75.5 | 12.0 | 12.0 | 8094.7 | 95.3 | 0.935730082 | 1.32 | 0.155955 |
| 7 | 8233.78 | 62.55 | 75.55 | 74.463 | 8136.2 | 257.4 | 64.2 | 249.2 | 257.4 | 75.5 | 12.0 | 12.0 | 8133.3 | 56.7 | 1.091685095 | 1.32 | 0.155955 |
| 8 | 8308.24 | 71.48 | 75.55 | 74.463 | 8165.3 | 325.8 | 81.3 | 315.5 | 325.8 | 75.5 | 12.0 | 12.0 | 8161.6 | 28.4 | 1.247640109 | 1.32 | 0.155955 |
| 9 | 8382.70 | 80.42 | 75.55 | 74.463 | 8183.3 | 398.0 | 99.3 | 385.4 | 398.0 | 75.5 | 12.0 | 12.0 | 8178.9 | 11.1 | 1.403595122 | 1.32 | 0.155955 |
| 10 | 8457.17 | 89.36 | 75.55 | 74.463 | 8190.0 | 472.1 | 117.8 | 457.2 | 472.1 | 75.5 | 12.0 | 12.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | 0.155955 |
| 11 | 8500.00 | 89.36 | 75.55 | 42.8345 | 8190.5 | 514.9 | 128.5 | 498.6 | 514.9 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | 1E-10 |
| 12 | 8600.00 | 89.36 | 75.55 | 100 | 8191.6 | 614.9 | 153.5 | 595.5 | 614.9 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | 1E-10 |
| 13 | 8700.00 | 89.36 | 75.55 | 100 | 8192.7 | 714.9 | 178.4 | 692.3 | 714.9 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | 1E-10 |
| 14 | 8800.00 | 89.36 | 75.55 | 100 | 8193.8 | 814.9 | 203.4 | 789.1 | 814.9 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | 1E-10 |
| 15 | 8900.00 | 89.36 | 75.55 | 100 | 8194.9 | 914.9 | 228.3 | 886.0 | 914.9 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | 1E-10 |
| 16 | 9000.00 | 89.36 | 75.55 | 100 | 8196.1 | 1014.9 | 253.3 | 982.8 | 1014.9 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | 1E-10 |
| 17 | 9100.00 | 89.36 | 75.55 | 100 | 8197.2 | 1114.9 | 278.2 | 1079.6 | 1114.9 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | 1E-10 |
| 18 | 9200.00 | 89.36 | 75.55 | 100 | 8198.3 | 1214.9 | 303.2 | 1176.4 | 1214.9 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | 1E-10 |
| 19 | 9300.00 | 89.36 | 75.55 | 100 | 8199.4 | 1314.9 | 328.1 | 1273.3 | 1314.9 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | 1E-10 |
| 20 | 9400.00 | 89.36 | 75.55 | 100 | 8200.6 | 1414.9 | 353.1 | 1370.1 | 1414.9 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | 1E-10 |
| 21 | 9500.00 | 89.36 | 75.55 | 100 | 8201.7 | 1514.9 | 378.0 | 1466.9 | 1514.9 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | 1E-10 |
| 22 | 9600.00 | 89.36 | 75.55 | 100 | 8202.8 | 1614.9 | 403.0 | 1563.8 | 1614.9 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | 1E-10 |
| 23 | 9700.00 | 89.36 | 75.55 | 100 | 8203.9 | 1714.9 | 427.9 | 1660.6 | 1714.9 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | 1E-10 |
| 24 | 9800.00 | 89.36 | 75.55 | 100 | 8205.1 | 1814.8 | 452.9 | 1757.4 | 1814.8 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | 1E-10 |
| 25 | 9900.00 | 89.36 | 75.55 | 100 | 8206.2 | 1914.8 | 477.9 | 1854.3 | 1914.8 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | 1E-10 |
| 26 | 10000.00 | 89.36 | 75.55 | 100 | 8207.3 | 2014.8 | 502.8 | 1951.1 | 2014.8 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | 1E-10 |
| 27 | 10100.00 | 89.36 | 75.55 | 100 | 8208.4 | 2114.8 | 527.8 | 2047.9 | 2114.8 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | 1E-10 |
| 28 | 10200.00 | 89.36 | 75.55 | 100 | 8209.6 | 2214.8 | 552.7 | 2144.7 | 2214.8 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | 1E-10 |
| 29 | 10300.00 | 89.36 | 75.55 | 100 | 8210.7 | 2314.8 | 577.7 | 2241.6 | 2314.8 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | 1E-10 |
| 30 | 10400.00 | 89.36 | 75.55 | 100 | 8211.8 | 2414.8 | 602.6 | 2338.4 | 2414.8 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | 1E-10 |
| 31 | 10500.00 | 89.36 | 75.55 | 100 | 8212.9 | 2514.8 | 627.6 | 2435.2 | 2514.8 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | 1E-10 |
| 32 | 10600.00 | 89.36 | 75.55 | 100 | 8214.1 | 2614.8 | 652.5 | 2532.1 | 2614.8 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | 1E-10 |
| 33 | 10700.00 | 89.36 | 75.55 | 100 | 8215.2 | 2714.8 | 677.5 | 2628.9 | 2714.8 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | 1E-10 |
| 34 | 10800.00 | 89.36 | 75.55 | 100 | 8216.3 | 2814.8 | 702.4 | 2725.7 | 2814.8 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | 1E-10 |
| 35 | 10900.00 | 89.36 | 75.55 | 100 | 8217.4 | 2914.8 | 727.4 | 2822.6 | 2914.8 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | 1E-10 |
| 36 | 11000.00 | 89.36 | 75.55 | 100 | 8218.6 | 3014.8 | 752.3 | 2919.4 | 3014.8 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | 1E-10 |
| 37 | 11100.00 | 89.36 | 75.55 | 100 | 8219.7 | 3114.8 | 777.3 | 3016.2 | 3114.8 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | 1E-10 |
| 38 | 11200.00 | 89.36 | 75.55 | 100 | 8220.8 | 3214.8 | 802.3 | 3113.0 | 3214.8 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | 1E-10 |
| 39 | 11300.00 | 89.36 | 75.55 | 100 | 8221.9 | 3314.7 | 827.2 | 3209.9 | 3314.7 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | 1E-10 |
| 40 | 11400.00 | 89.36 | 75.55 | 100 | 8223.1 | 3414.7 | 852.2 | 3306.7 | 3414.7 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | 1E-10 |
| 41 | 11500.00 | 89.36 | 75.55 | 100 | 8224.2 | 3514.7 | 877.1 | 3403.5 | 3514.7 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | 1E-10 |
| 42 | 11600.00 | 89.36 | 75.55 | 100 | 8225.3 | 3614.7 | 902.1 | 3500.4 | 3614.7 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | 1E-10 |
| 43 | 11700.00 | 89.36 | 75.55 | 100 | 8226.4 | 3714.7 | 927.0 | 3597.2 | 3714.7 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | 1E-10 |
| 44 | 11800.00 | 89.36 | 75.55 | 100 | 8227.6 | 3814.7 | 952.0 | 3694.0 | 3814.7 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | 1E-10 |
| 45 | 11900.00 | 89.36 | 75.55 | 100 | 8228.7 | 3914.7 | 976.9 | 3790.9 | 3914.7 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | 1E-10 |
| 46 | 12000.00 | 89.36 | 75.55 | 100 | 8229.8 | 4014.7 | 1001.9 | 3887.7 | 4014.7 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | 1E-10 |
| 47 | 12100.00 | 89.36 | 75.55 | 100 | 8230.9 | 4114.7 | 1026.8 | 3984.5 | 4114.7 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | 1E-10 |
| 48 | 12200.00 | 89.36 | 75.55 | 100 | 8232.1 | 4214.7 | 1051.8 | 4081.3 | 4214.7 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | 1E-10 |
| 49 | 12300.00 | 89.36 | 75.55 | 100 | 8233.2 | 4314.7 | 1076.8 | 4178.2 | 4314.7 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | 1E-10 |
| 50 | 12400.00 | 89.36 | 75.55 | 100 | 8234.3 | 4414.7 | 1101.7 | 4275.0 | 4414.7 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | 1E-10 |
| 51 | 12500.00 | 89.36 | 75.55 | 100 | 8235.4 | 4514.7 | 1126.7 | 4371.8 | 4514.7 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | 1E-10 |
| 52 | 12600.00 | 89.36 | 75.55 | 100 | 8236.6 | 4614.7 | 1151.6 | 4468.7 | 4614.7 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | 1E-10 |
| 53 | 12700.00 | 89.36 | 75.55 | 100 | 8237.7 | 4714.7 | 1176.6 | 4565.5 | 4714.7 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | 1E-10 |
| 54 | 12800.00 | 89.36 | 75.55 | 100 | 8238.8 | 4814.7 | 1201.5 | 4662.3 | 4814.7 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | 1E-10 |
| 55 | 12900.00 | 89.36 | 75.55 | 100 | 8239.9 | 4914.6 | 1226.5 | 4759.2 | 4914.6 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | 1E-10 |
| 56 | 13000.00 | 89.36 | 75.55 | 100 | 8241.1 | 5014.6 | 1251.4 | 4856.0 | 5014.6 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | 1E-10 |

| | | | | | | | | | | | | | | | | | |
|-----|----------|-------|-------|-----|--------|---------|--------|---------|---------|------|-----|-----|--------|-----|-------------|------|-------|
| 57 | 13100.00 | 89.36 | 75.55 | 100 | 8242.2 | 5114.6 | 1276.4 | 4952.8 | 5114.6 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | IE-10 |
| 58 | 13200.00 | 89.36 | 75.55 | 100 | 8243.3 | 5214.6 | 1301.3 | 5049.6 | 5214.6 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | IE-10 |
| 59 | 13300.00 | 89.36 | 75.55 | 100 | 8244.4 | 5314.6 | 1326.3 | 5146.5 | 5314.6 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | IE-10 |
| 60 | 13400.00 | 89.36 | 75.55 | 100 | 8245.6 | 5414.6 | 1351.2 | 5243.3 | 5414.6 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | IE-10 |
| 61 | 13500.00 | 89.36 | 75.55 | 100 | 8246.7 | 5514.6 | 1376.2 | 5340.1 | 5514.6 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | IE-10 |
| 62 | 13600.00 | 89.36 | 75.55 | 100 | 8247.8 | 5614.6 | 1401.2 | 5437.0 | 5614.6 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | IE-10 |
| 63 | 13700.00 | 89.36 | 75.55 | 100 | 8248.9 | 5714.6 | 1426.1 | 5533.8 | 5714.6 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | IE-10 |
| 64 | 13800.00 | 89.36 | 75.55 | 100 | 8250.1 | 5814.6 | 1451.1 | 5630.6 | 5814.6 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | IE-10 |
| 65 | 13900.00 | 89.36 | 75.55 | 100 | 8251.2 | 5914.6 | 1476.0 | 5727.5 | 5914.6 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | IE-10 |
| 66 | 14000.00 | 89.36 | 75.55 | 100 | 8252.3 | 6014.6 | 1501.0 | 5824.3 | 6014.6 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | IE-10 |
| 67 | 14100.00 | 89.36 | 75.55 | 100 | 8253.4 | 6114.6 | 1525.9 | 5921.1 | 6114.6 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | IE-10 |
| 68 | 14200.00 | 89.36 | 75.55 | 100 | 8254.6 | 6214.6 | 1550.9 | 6017.9 | 6214.6 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | IE-10 |
| 69 | 14300.00 | 89.36 | 75.55 | 100 | 8255.7 | 6314.6 | 1575.8 | 6114.8 | 6314.6 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | IE-10 |
| 70 | 14400.00 | 89.36 | 75.55 | 100 | 8256.8 | 6414.6 | 1600.8 | 6211.6 | 6414.6 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | IE-10 |
| 71 | 14500.00 | 89.36 | 75.55 | 100 | 8257.9 | 6514.5 | 1625.7 | 6308.4 | 6514.5 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | IE-10 |
| 72 | 14600.00 | 89.36 | 75.55 | 100 | 8259.1 | 6614.5 | 1650.7 | 6405.3 | 6614.5 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | IE-10 |
| 73 | 14700.00 | 89.36 | 75.55 | 100 | 8260.2 | 6714.5 | 1675.6 | 6502.1 | 6714.5 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | IE-10 |
| 74 | 14800.00 | 89.36 | 75.55 | 100 | 8261.3 | 6814.5 | 1700.6 | 6598.9 | 6814.5 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | IE-10 |
| 75 | 14900.00 | 89.36 | 75.55 | 100 | 8262.4 | 6914.5 | 1725.6 | 6695.8 | 6914.5 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | IE-10 |
| 76 | 15000.00 | 89.36 | 75.55 | 100 | 8263.6 | 7014.5 | 1750.5 | 6792.6 | 7014.5 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | IE-10 |
| 77 | 15100.00 | 89.36 | 75.55 | 100 | 8264.7 | 7114.5 | 1775.5 | 6889.4 | 7114.5 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | IE-10 |
| 78 | 15200.00 | 89.36 | 75.55 | 100 | 8265.8 | 7214.5 | 1800.4 | 6986.2 | 7214.5 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | IE-10 |
| 79 | 15300.00 | 89.36 | 75.55 | 100 | 8266.9 | 7314.5 | 1825.4 | 7083.1 | 7314.5 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | IE-10 |
| 80 | 15400.00 | 89.36 | 75.55 | 100 | 8268.0 | 7414.5 | 1850.3 | 7179.9 | 7414.5 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | IE-10 |
| 81 | 15500.00 | 89.36 | 75.55 | 100 | 8269.2 | 7514.5 | 1875.3 | 7276.7 | 7514.5 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | IE-10 |
| 82 | 15600.00 | 89.36 | 75.55 | 100 | 8270.3 | 7614.5 | 1900.2 | 7373.6 | 7614.5 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | IE-10 |
| 83 | 15700.00 | 89.36 | 75.55 | 100 | 8271.4 | 7714.5 | 1925.2 | 7470.4 | 7714.5 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | IE-10 |
| 84 | 15800.00 | 89.36 | 75.55 | 100 | 8272.5 | 7814.5 | 1950.1 | 7567.2 | 7814.5 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | IE-10 |
| 85 | 15900.00 | 89.36 | 75.55 | 100 | 8273.7 | 7914.5 | 1975.1 | 7664.1 | 7914.5 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | IE-10 |
| 86 | 16000.00 | 89.36 | 75.55 | 100 | 8274.8 | 8014.5 | 2000.0 | 7760.9 | 8014.5 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | IE-10 |
| 87 | 16100.00 | 89.36 | 75.55 | 100 | 8275.9 | 8114.4 | 2025.0 | 7857.7 | 8114.4 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | IE-10 |
| 88 | 16200.00 | 89.36 | 75.55 | 100 | 8277.0 | 8214.4 | 2050.0 | 7954.5 | 8214.4 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | IE-10 |
| 89 | 16300.00 | 89.36 | 75.55 | 100 | 8278.2 | 8314.4 | 2074.9 | 8051.4 | 8314.4 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | IE-10 |
| 90 | 16400.00 | 89.36 | 75.55 | 100 | 8279.3 | 8414.4 | 2099.9 | 8148.2 | 8414.4 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | IE-10 |
| 91 | 16500.00 | 89.36 | 75.55 | 100 | 8280.4 | 8514.4 | 2124.8 | 8245.0 | 8514.4 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | IE-10 |
| 92 | 16600.00 | 89.36 | 75.55 | 100 | 8281.5 | 8614.4 | 2149.8 | 8341.9 | 8614.4 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | IE-10 |
| 93 | 16700.00 | 89.36 | 75.55 | 100 | 8282.7 | 8714.4 | 2174.7 | 8438.7 | 8714.4 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | IE-10 |
| 94 | 16800.00 | 89.36 | 75.55 | 100 | 8283.8 | 8814.4 | 2199.7 | 8535.5 | 8814.4 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | IE-10 |
| 95 | 16900.00 | 89.36 | 75.55 | 100 | 8284.9 | 8914.4 | 2224.6 | 8632.4 | 8914.4 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | IE-10 |
| 96 | 17000.00 | 89.36 | 75.55 | 100 | 8286.0 | 9014.4 | 2249.6 | 8729.2 | 9014.4 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | IE-10 |
| 97 | 17100.00 | 89.36 | 75.55 | 100 | 8287.2 | 9114.4 | 2274.5 | 8826.0 | 9114.4 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | IE-10 |
| 98 | 17200.00 | 89.36 | 75.55 | 100 | 8288.3 | 9214.4 | 2299.5 | 8922.8 | 9214.4 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | IE-10 |
| 99 | 17300.00 | 89.36 | 75.55 | 100 | 8289.4 | 9314.4 | 2324.4 | 9019.7 | 9314.4 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | IE-10 |
| 100 | 17400.00 | 89.36 | 75.55 | 100 | 8290.5 | 9414.4 | 2349.4 | 9116.5 | 9414.4 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | IE-10 |
| 101 | 17500.00 | 89.36 | 75.55 | 100 | 8291.7 | 9514.4 | 2374.4 | 9213.3 | 9514.4 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | IE-10 |
| 102 | 17600.00 | 89.36 | 75.55 | 100 | 8292.8 | 9614.4 | 2399.3 | 9310.2 | 9614.4 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | IE-10 |
| 103 | 17700.00 | 89.36 | 75.55 | 100 | 8293.9 | 9714.3 | 2424.3 | 9407.0 | 9714.3 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | IE-10 |
| 104 | 17800.00 | 89.36 | 75.55 | 100 | 8295.0 | 9814.3 | 2449.2 | 9503.8 | 9814.3 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | IE-10 |
| 105 | 17900.00 | 89.36 | 75.55 | 100 | 8296.2 | 9914.3 | 2474.2 | 9600.7 | 9914.3 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | IE-10 |
| 106 | 18000.00 | 89.36 | 75.55 | 100 | 8297.3 | 10014.3 | 2499.1 | 9697.5 | 10014.3 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | IE-10 |
| 107 | 18100.00 | 89.36 | 75.55 | 100 | 8298.4 | 10114.3 | 2524.1 | 9794.3 | 10114.3 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | IE-10 |
| 108 | 18200.00 | 89.36 | 75.55 | 100 | 8299.5 | 10214.3 | 2549.0 | 9891.1 | 10214.3 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | IE-10 |
| 109 | 18300.00 | 89.36 | 75.55 | 100 | 8300.7 | 10314.3 | 2574.0 | 9988.0 | 10314.3 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | IE-10 |
| 110 | 18400.00 | 89.36 | 75.55 | 100 | 8301.8 | 10414.3 | 2598.9 | 10084.8 | 10414.3 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | IE-10 |
| 111 | 18500.00 | 89.36 | 75.55 | 100 | 8302.9 | 10514.3 | 2623.9 | 10181.6 | 10514.3 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | IE-10 |
| 112 | 18600.00 | 89.36 | 75.55 | 100 | 8304.0 | 10614.3 | 2648.8 | 10278.5 | 10614.3 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | IE-10 |
| 113 | 18700.00 | 89.36 | 75.55 | 100 | 8305.2 | 10714.3 | 2673.8 | 10375.3 | 10714.3 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | IE-10 |
| 114 | 18800.00 | 89.36 | 75.55 | 100 | 8306.3 | 10814.3 | 2698.8 | 10472.1 | 10814.3 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | IE-10 |
| 115 | 18900.00 | 89.36 | 75.55 | 100 | 8307.4 | 10914.3 | 2723.7 | 10568.9 | 10914.3 | 75.5 | 0.0 | 0.0 | 8184.7 | 5.3 | 1.559550136 | 1.32 | IE-10 |
| 116 | 19000.00 | 8 | | | | | | | | | | | | | | | |

Mewbourne Oil Company

SURVEY CALCULATION REPORT Minimum Curvature Calculations

Operator: Mewbourne Oil Company
 Lease Name: Phoenix 21/22 B2NP Fed Com #1H
 KOP 7729.54
 SL: 770 FNL & 270 FEL Sec 29/18S/30E
 BHL: 660 FSL & 100 FEL Sec 22/18S/30E

| | | |
|--------------------------------------|---------------|---------|
| Target KBTVD: | 8,207 Feet | 8207.00 |
| Target Angle: | 89.37 Degrees | 89.37 |
| Section Plane: | 82.37 Degrees | |
| Declination Corrected to True North: | 6.63 Degrees | |
| Bit to Survey Offset: | 44 Feet | |

| Survey No. | Measured Depth-ft | Drift (Deg.) | Azimuth (Deg.) | Course Length | TVD (Feet) | Vertical Section | +N-S (Feet) | +E-W (Feet) | Closure Distance | Closure Direction | +Above -Below Target | | | DRIFT (RADIANS) | AZIMUTH (RADIANS) | |
|------------|-------------------|--------------|----------------|---------------|------------|------------------|-------------|-------------|------------------|-------------------|----------------------|--------|--------|-----------------|-------------------|----------------|
| | | | | | | | | | | | BUR | DLS | KBTVD | | | |
| T/I | 7729.54 | 0.00 | 82.37 | N/A | 7729.5 | 0.0 | 0.0 | 0.0 | 0.0 | N/A | N/A | 7729.5 | 477.5 | 1E-12 | 1.44 #VALUE! | |
| 1 | 7804.01 | 8.94 | 82.37 | 74,479 | 7803.7 | 5.8 | 0.8 | 5.7 | 5.8 | 82.4 | 12.0 | 12.0 | 7803.6 | 403.4 | 0.15598064 | 1.44 0.1559881 |
| 2 | 7878.49 | 17.87 | 82.37 | 74,479 | 7876.1 | 23.0 | 3.1 | 22.8 | 23.0 | 82.4 | 12.0 | 12.0 | 7875.8 | 331.2 | 0.311976129 | 1.44 0.1559881 |
| 3 | 7952.97 | 26.81 | 82.37 | 74,479 | 7944.9 | 51.3 | 6.8 | 50.9 | 51.3 | 82.4 | 12.0 | 12.0 | 7944.3 | 262.7 | 0.467964193 | 1.44 0.1559881 |
| 4 | 8027.45 | 35.75 | 82.37 | 74,479 | 8008.5 | 90.0 | 11.9 | 89.2 | 90.0 | 82.4 | 12.0 | 12.0 | 8007.5 | 199.5 | 0.623952257 | 1.44 0.1559881 |
| 5 | 8101.93 | 44.69 | 82.37 | 74,479 | 8065.3 | 138.0 | 18.3 | 136.8 | 138.0 | 82.4 | 12.0 | 12.0 | 8063.8 | 143.2 | 0.779940322 | 1.44 0.1559881 |
| 6 | 8176.41 | 53.62 | 82.37 | 74,479 | 8114.0 | 194.3 | 25.8 | 192.6 | 194.3 | 82.4 | 12.0 | 12.0 | 8111.8 | 95.2 | 0.935928386 | 1.44 0.1559881 |
| 7 | 8250.89 | 62.56 | 82.37 | 74,479 | 8153.3 | 257.5 | 34.2 | 255.2 | 257.5 | 82.4 | 12.0 | 12.0 | 8150.5 | 56.5 | 1.091916451 | 1.44 0.1559881 |
| 8 | 8325.37 | 71.50 | 82.37 | 74,479 | 8182.3 | 326.0 | 43.3 | 323.1 | 326.0 | 82.4 | 12.0 | 12.0 | 8178.8 | 28.2 | 1.247904515 | 1.44 0.1559881 |
| 9 | 8399.84 | 80.44 | 82.37 | 74,479 | 8200.4 | 398.1 | 52.9 | 394.6 | 398.1 | 82.4 | 12.0 | 12.0 | 8196.0 | 11.0 | 1.403892579 | 1.44 0.1559881 |
| 10 | 8474.32 | 89.37 | 82.37 | 74,479 | 8207.0 | 472.3 | 62.7 | 468.1 | 472.3 | 82.4 | 12.0 | 12.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 0.1559881 |
| 11 | 8500.00 | 89.37 | 82.37 | 25,677 | 8207.3 | 497.9 | 66.1 | 493.5 | 497.9 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 IE-10 |
| 12 | 8600.00 | 89.37 | 82.37 | 100 | 8208.3 | 597.9 | 79.4 | 592.6 | 597.9 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 IE-10 |
| 13 | 8700.00 | 89.37 | 82.37 | 100 | 8209.4 | 697.9 | 92.7 | 691.7 | 697.9 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 IE-10 |
| 14 | 8800.00 | 89.37 | 82.37 | 100 | 8210.5 | 797.9 | 106.0 | 790.8 | 797.9 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 IE-10 |
| 15 | 8900.00 | 89.37 | 82.37 | 100 | 8211.6 | 897.9 | 119.3 | 890.0 | 897.9 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 IE-10 |
| 16 | 9000.00 | 89.37 | 82.37 | 100 | 8212.7 | 997.9 | 132.5 | 989.1 | 997.9 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 IE-10 |
| 17 | 9100.00 | 89.37 | 82.37 | 100 | 8213.8 | 1097.9 | 145.8 | 1088.2 | 1097.9 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 IE-10 |
| 18 | 9200.00 | 89.37 | 82.37 | 100 | 8214.9 | 1197.9 | 159.1 | 1187.3 | 1197.9 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 IE-10 |
| 19 | 9300.00 | 89.37 | 82.37 | 100 | 8216.0 | 1297.9 | 172.4 | 1286.4 | 1297.9 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 IE-10 |
| 20 | 9400.00 | 89.37 | 82.37 | 100 | 8217.1 | 1397.9 | 185.7 | 1385.5 | 1397.9 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 IE-10 |
| 21 | 9500.00 | 89.37 | 82.37 | 100 | 8218.2 | 1497.9 | 198.9 | 1484.6 | 1497.9 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 IE-10 |
| 22 | 9600.00 | 89.37 | 82.37 | 100 | 8219.3 | 1597.9 | 212.2 | 1583.7 | 1597.9 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 IE-10 |
| 23 | 9700.00 | 89.37 | 82.37 | 100 | 8220.4 | 1697.9 | 225.5 | 1682.8 | 1697.9 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 IE-10 |
| 24 | 9800.00 | 89.37 | 82.37 | 100 | 8221.4 | 1797.9 | 238.8 | 1781.9 | 1797.9 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 IE-10 |
| 25 | 9900.00 | 89.37 | 82.37 | 100 | 8222.5 | 1897.8 | 252.1 | 1881.0 | 1897.8 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 IE-10 |
| 26 | 10000.00 | 89.37 | 82.37 | 100 | 8223.6 | 1997.8 | 265.3 | 1980.1 | 1997.8 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 IE-10 |
| 27 | 10100.00 | 89.37 | 82.37 | 100 | 8224.7 | 2097.8 | 278.6 | 2079.2 | 2097.8 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 IE-10 |
| 28 | 10200.00 | 89.37 | 82.37 | 100 | 8225.8 | 2197.8 | 291.9 | 2178.4 | 2197.8 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 IE-10 |
| 29 | 10300.00 | 89.37 | 82.37 | 100 | 8226.9 | 2297.8 | 305.2 | 2277.5 | 2297.8 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 IE-10 |
| 30 | 10400.00 | 89.37 | 82.37 | 100 | 8228.0 | 2397.8 | 318.5 | 2376.6 | 2397.8 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 IE-10 |
| 31 | 10500.00 | 89.37 | 82.37 | 100 | 8229.1 | 2497.8 | 331.7 | 2475.7 | 2497.8 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 IE-10 |
| 32 | 10600.00 | 89.37 | 82.37 | 100 | 8230.2 | 2597.8 | 345.0 | 2574.8 | 2597.8 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 IE-10 |
| 33 | 10700.00 | 89.37 | 82.37 | 100 | 8231.3 | 2697.8 | 358.3 | 2673.9 | 2697.8 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 IE-10 |
| 34 | 10800.00 | 89.37 | 82.37 | 100 | 8232.4 | 2797.8 | 371.6 | 2773.0 | 2797.8 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 IE-10 |
| 35 | 10900.00 | 89.37 | 82.37 | 100 | 8233.4 | 2897.8 | 384.9 | 2872.1 | 2897.8 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 IE-10 |
| 36 | 11000.00 | 89.37 | 82.37 | 100 | 8234.5 | 2997.8 | 398.1 | 2971.2 | 2997.8 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 IE-10 |
| 37 | 11100.00 | 89.37 | 82.37 | 100 | 8235.6 | 3097.8 | 411.4 | 3070.3 | 3097.8 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 IE-10 |
| 38 | 11200.00 | 89.37 | 82.37 | 100 | 8236.7 | 3197.8 | 424.7 | 3169.4 | 3197.8 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 IE-10 |
| 39 | 11300.00 | 89.37 | 82.37 | 100 | 8237.8 | 3297.8 | 438.0 | 3268.5 | 3297.8 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 IE-10 |
| 40 | 11400.00 | 89.37 | 82.37 | 100 | 8238.9 | 3397.8 | 451.3 | 3367.7 | 3397.8 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 IE-10 |
| 41 | 11500.00 | 89.37 | 82.37 | 100 | 8240.0 | 3497.7 | 464.5 | 3466.8 | 3497.7 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 IE-10 |
| 42 | 11600.00 | 89.37 | 82.37 | 100 | 8241.1 | 3597.7 | 477.8 | 3565.9 | 3597.7 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 IE-10 |
| 43 | 11700.00 | 89.37 | 82.37 | 100 | 8242.2 | 3697.7 | 491.1 | 3665.0 | 3697.7 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 IE-10 |
| 44 | 11800.00 | 89.37 | 82.37 | 100 | 8243.3 | 3797.7 | 504.4 | 3764.1 | 3797.7 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 IE-10 |
| 45 | 11900.00 | 89.37 | 82.37 | 100 | 8244.4 | 3897.7 | 517.7 | 3863.2 | 3897.7 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 IE-10 |
| 46 | 12000.00 | 89.37 | 82.37 | 100 | 8245.5 | 3997.7 | 530.9 | 3962.3 | 3997.7 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 IE-10 |
| 47 | 12100.00 | 89.37 | 82.37 | 100 | 8246.5 | 4097.7 | 544.2 | 4061.4 | 4097.7 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 IE-10 |
| 48 | 12200.00 | 89.37 | 82.37 | 100 | 8247.6 | 4197.7 | 557.5 | 4160.5 | 4197.7 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 IE-10 |
| 49 | 12300.00 | 89.37 | 82.37 | 100 | 8248.7 | 4297.7 | 570.8 | 4259.6 | 4297.7 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 IE-10 |
| 50 | 12400.00 | 89.37 | 82.37 | 100 | 8249.8 | 4397.7 | 584.1 | 4358.7 | 4397.7 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 IE-10 |
| 51 | 12500.00 | 89.37 | 82.37 | 100 | 8250.9 | 4497.7 | 597.3 | 4457.8 | 4497.7 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 IE-10 |
| 52 | 12600.00 | 89.37 | 82.37 | 100 | 8252.0 | 4597.7 | 610.6 | 4557.0 | 4597.7 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 IE-10 |
| 53 | 12700.00 | 89.37 | 82.37 | 100 | 8253.1 | 4697.7 | 623.9 | 4656.1 | 4697.7 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 IE-10 |
| 54 | 12800.00 | 89.37 | 82.37 | 100 | 8254.2 | 4797.7 | 637.2 | 4755.2 | 4797.7 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 IE-10 |
| 55 | 12900.00 | 89.37 | 82.37 | 100 | 8255.3 | 4897.7 | 650.5 | 4854.3 | 4897.7 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 IE-10 |
| 56 | 13000.00 | 89.37 | 82.37 | 100 | 8256.4 | 4997.7 | 663.7 | 4953.4 | 4997.7 | 82.4 | 0.0 | 0. | | | | |

| | | | | | | | | | | | | | | | | | |
|-----|----------|-------|-------|-----|--------|---------|--------|---------|---------|------|-----|-----|--------|-----|-------------|------|-------|
| 57 | 13100.00 | 89.37 | 82.37 | 100 | 8257.5 | 5097.7 | 677.0 | 5052.5 | 5097.7 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 | 1E-10 |
| 58 | 13200.00 | 89.37 | 82.37 | 100 | 8258.6 | 5197.6 | 690.3 | 5151.6 | 5197.6 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 | 1E-10 |
| 59 | 13300.00 | 89.37 | 82.37 | 100 | 8259.6 | 5297.6 | 703.6 | 5250.7 | 5297.6 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 | 1E-10 |
| 60 | 13400.00 | 89.37 | 82.37 | 100 | 8260.7 | 5397.6 | 716.9 | 5349.8 | 5397.6 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 | 1E-10 |
| 61 | 13500.00 | 89.37 | 82.37 | 100 | 8261.8 | 5497.6 | 730.1 | 5448.9 | 5497.6 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 | 1E-10 |
| 62 | 13600.00 | 89.37 | 82.37 | 100 | 8262.9 | 5597.6 | 743.4 | 5548.0 | 5597.6 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 | 1E-10 |
| 63 | 13700.00 | 89.37 | 82.37 | 100 | 8264.0 | 5697.6 | 756.7 | 5647.1 | 5697.6 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 | 1E-10 |
| 64 | 13800.00 | 89.37 | 82.37 | 100 | 8265.1 | 5797.6 | 770.0 | 5746.3 | 5797.6 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 | 1E-10 |
| 65 | 13900.00 | 89.37 | 82.37 | 100 | 8266.2 | 5897.6 | 783.3 | 5845.4 | 5897.6 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 | 1E-10 |
| 66 | 14000.00 | 89.37 | 82.37 | 100 | 8267.3 | 5997.6 | 796.5 | 5944.5 | 5997.6 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 | 1E-10 |
| 67 | 14100.00 | 89.37 | 82.37 | 100 | 8268.4 | 6097.6 | 809.8 | 6043.6 | 6097.6 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 | 1E-10 |
| 68 | 14200.00 | 89.37 | 82.37 | 100 | 8269.5 | 6197.6 | 823.1 | 6142.7 | 6197.6 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 | 1E-10 |
| 69 | 14300.00 | 89.37 | 82.37 | 100 | 8270.6 | 6297.6 | 836.4 | 6241.8 | 6297.6 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 | 1E-10 |
| 70 | 14400.00 | 89.37 | 82.37 | 100 | 8271.7 | 6397.6 | 849.7 | 6340.9 | 6397.6 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 | 1E-10 |
| 71 | 14500.00 | 89.37 | 82.37 | 100 | 8272.7 | 6497.6 | 863.0 | 6440.0 | 6497.6 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 | 1E-10 |
| 72 | 14600.00 | 89.37 | 82.37 | 100 | 8273.8 | 6597.6 | 876.2 | 6539.1 | 6597.6 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 | 1E-10 |
| 73 | 14700.00 | 89.37 | 82.37 | 100 | 8274.9 | 6697.6 | 889.5 | 6638.2 | 6697.6 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 | 1E-10 |
| 74 | 14800.00 | 89.37 | 82.37 | 100 | 8276.0 | 6797.6 | 902.8 | 6737.3 | 6797.6 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 | 1E-10 |
| 75 | 14900.00 | 89.37 | 82.37 | 100 | 8277.1 | 6897.5 | 916.1 | 6836.4 | 6897.5 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 | 1E-10 |
| 76 | 15000.00 | 89.37 | 82.37 | 100 | 8278.2 | 6997.5 | 929.4 | 6935.6 | 6997.5 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 | 1E-10 |
| 77 | 15100.00 | 89.37 | 82.37 | 100 | 8279.3 | 7097.5 | 942.6 | 7034.7 | 7097.5 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 | 1E-10 |
| 78 | 15200.00 | 89.37 | 82.37 | 100 | 8280.4 | 7197.5 | 955.9 | 7133.8 | 7197.5 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 | 1E-10 |
| 79 | 15300.00 | 89.37 | 82.37 | 100 | 8281.5 | 7297.5 | 969.2 | 7232.9 | 7297.5 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 | 1E-10 |
| 80 | 15400.00 | 89.37 | 82.37 | 100 | 8282.6 | 7397.5 | 982.5 | 7332.0 | 7397.5 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 | 1E-10 |
| 81 | 15500.00 | 89.37 | 82.37 | 100 | 8283.7 | 7497.5 | 995.8 | 7431.1 | 7497.5 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 | 1E-10 |
| 82 | 15600.00 | 89.37 | 82.37 | 100 | 8284.8 | 7597.5 | 1009.0 | 7530.2 | 7597.5 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 | 1E-10 |
| 83 | 15700.00 | 89.37 | 82.37 | 100 | 8285.8 | 7697.5 | 1022.3 | 7629.3 | 7697.5 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 | 1E-10 |
| 84 | 15800.00 | 89.37 | 82.37 | 100 | 8286.9 | 7797.5 | 1035.6 | 7728.4 | 7797.5 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 | 1E-10 |
| 85 | 15900.00 | 89.37 | 82.37 | 100 | 8288.0 | 7897.5 | 1048.9 | 7827.5 | 7897.5 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 | 1E-10 |
| 86 | 16000.00 | 89.37 | 82.37 | 100 | 8289.1 | 7997.5 | 1062.2 | 7926.6 | 7997.5 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 | 1E-10 |
| 87 | 16100.00 | 89.37 | 82.37 | 100 | 8290.2 | 8097.5 | 1075.4 | 8025.7 | 8097.5 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 | 1E-10 |
| 88 | 16200.00 | 89.37 | 82.37 | 100 | 8291.3 | 8197.5 | 1088.7 | 8124.9 | 8197.5 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 | 1E-10 |
| 89 | 16300.00 | 89.37 | 82.37 | 100 | 8292.4 | 8297.5 | 1102.0 | 8224.0 | 8297.5 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 | 1E-10 |
| 90 | 16400.00 | 89.37 | 82.37 | 100 | 8293.5 | 8397.5 | 1115.3 | 8323.1 | 8397.5 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 | 1E-10 |
| 91 | 16500.00 | 89.37 | 82.37 | 100 | 8294.6 | 8497.5 | 1128.6 | 8422.2 | 8497.5 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 | 1E-10 |
| 92 | 16600.00 | 89.37 | 82.37 | 100 | 8295.7 | 8597.4 | 1141.8 | 8521.3 | 8597.4 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 | 1E-10 |
| 93 | 16700.00 | 89.37 | 82.37 | 100 | 8296.8 | 8697.4 | 1155.1 | 8620.4 | 8697.4 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 | 1E-10 |
| 94 | 16800.00 | 89.37 | 82.37 | 100 | 8297.9 | 8797.4 | 1168.4 | 8719.5 | 8797.4 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 | 1E-10 |
| 95 | 16900.00 | 89.37 | 82.37 | 100 | 8298.9 | 8897.4 | 1181.7 | 8818.6 | 8897.4 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 | 1E-10 |
| 96 | 17000.00 | 89.37 | 82.37 | 100 | 8300.0 | 8997.4 | 1195.0 | 8917.7 | 8997.4 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 | 1E-10 |
| 97 | 17100.00 | 89.37 | 82.37 | 100 | 8301.1 | 9097.4 | 1208.2 | 9016.8 | 9097.4 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 | 1E-10 |
| 98 | 17200.00 | 89.37 | 82.37 | 100 | 8302.2 | 9197.4 | 1221.5 | 9115.9 | 9197.4 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 | 1E-10 |
| 99 | 17300.00 | 89.37 | 82.37 | 100 | 8303.3 | 9297.4 | 1234.8 | 9215.0 | 9297.4 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 | 1E-10 |
| 100 | 17400.00 | 89.37 | 82.37 | 100 | 8304.4 | 9397.4 | 1248.1 | 9314.1 | 9397.4 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 | 1E-10 |
| 101 | 17500.00 | 89.37 | 82.37 | 100 | 8305.5 | 9497.4 | 1261.4 | 9413.3 | 9497.4 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 | 1E-10 |
| 102 | 17600.00 | 89.37 | 82.37 | 100 | 8306.6 | 9597.4 | 1274.6 | 9512.4 | 9597.4 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 | 1E-10 |
| 103 | 17700.00 | 89.37 | 82.37 | 100 | 8307.7 | 9697.4 | 1287.9 | 9611.5 | 9697.4 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 | 1E-10 |
| 104 | 17800.00 | 89.37 | 82.37 | 100 | 8308.8 | 9797.4 | 1301.2 | 9710.6 | 9797.4 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 | 1E-10 |
| 105 | 17900.00 | 89.37 | 82.37 | 100 | 8309.9 | 9897.4 | 1314.5 | 9809.7 | 9897.4 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 | 1E-10 |
| 106 | 18000.00 | 89.37 | 82.37 | 100 | 8310.9 | 9997.4 | 1327.8 | 9908.8 | 9997.4 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 | 1E-10 |
| 107 | 18100.00 | 89.37 | 82.37 | 100 | 8312.0 | 10097.4 | 1341.0 | 10007.9 | 10097.4 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 | 1E-10 |
| 108 | 18200.00 | 89.37 | 82.37 | 100 | 8313.1 | 10197.4 | 1354.3 | 10107.0 | 10197.4 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 | 1E-10 |
| 109 | 18300.00 | 89.37 | 82.37 | 100 | 8314.2 | 10297.3 | 1367.6 | 10206.1 | 10297.3 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 | 1E-10 |
| 110 | 18400.00 | 89.37 | 82.37 | 100 | 8315.3 | 10397.3 | 1380.9 | 10305.2 | 10397.3 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 | 1E-10 |
| 111 | 18500.00 | 89.37 | 82.37 | 100 | 8316.4 | 10497.3 | 1394.2 | 10404.3 | 10497.3 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 | 1E-10 |
| 112 | 18600.00 | 89.37 | 82.37 | 100 | 8317.5 | 10597.3 | 1407.4 | 10503.4 | 10597.3 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 | 1E-10 |
| 113 | 18700.00 | 89.37 | 82.37 | 100 | 8318.6 | 10697.3 | 1420.7 | 10602.6 | 10697.3 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 | 1E-10 |
| 114 | 18800.00 | 89.37 | 82.37 | 100 | 8319.7 | 10797.3 | 1434.0 | 10701.7 | 10797.3 | 82.4 | 0.0 | 0.0 | 8201.8 | 5.2 | 1.559880644 | 1.44 | 1E-10 |

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

APPLICATIONS OF MEWBOURNE OIL COMPANY
FOR COMPULSORY POOLING, EDDY COUNTY,
NEW MEXICO.

Case Nos. 21406 and 21407

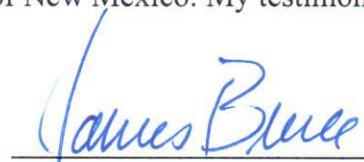
SELF-AFFIRMED STATEMENT OF NOTICE

COUNTY OF SANTA FE)
) ss.
STATE OF NEW MEXICO)

James Bruce deposes and states:

1. I am over the age of 18, and have personal knowledge of the matters stated herein.
2. I am an attorney for Mewbourne Oil Company.
3. Mewbourne Oil Company has conducted a good faith, diligent effort to find the names and correct addresses of the interest owners entitled to receive notice of the applications filed herein.
4. Notice of the applications was provided to the interest owners, at their last known addresses, by certified mail. Copies of the notice letter and certified return receipts are attached hereto as Attachment A.
5. Applicant has complied with the notice provisions of Division Rules.
6. I understand that this Self-Affirmed Statement will be used as written testimony in this case. I affirm that my testimony in paragraphs 1 through 5 above is true and correct and is made under penalty of perjury under the laws of the State of New Mexico. My testimony is made as of the date handwritten next to my signature below.

Date: 8/8/20


James Bruce

EXHIBIT

4

JAMES BRUCE
ATTORNEY AT LAW

POST OFFICE BOX 1056
SANTA FE, NEW MEXICO 87504

369 MONTEZUMA, NO. 213
SANTA FE, NEW MEXICO 87501

(505) 982-2043 (Phone)
(505) 660-6612 (Cell)
(505) 982-2151 (Fax)

jamesbrue@aol.com

August 20, 2020

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

To: Persons on Exhibit A

Ladies and gentlemen:

Enclosed are copies of two applications, filed with the New Mexico Oil Conservation Division by Mewbourne Oil Company, seeking orders pooling all mineral interests in the Bone Spring Sand underlying the horizontal spacing units described below:

- (a) Case 21406: The N/2S/2 of Section 21 and the N/2S/2 of Section 22, Township 18 South, Range 30 East, NMPM; and
- (b) Case 21407: The S/2S/2 of Section 21 and the S/2S/2 of Section 22, Township 18 South, Range 30 East, NMPM.

These matters are scheduled for hearing at 8:15 a.m. on Thursday, September 10, 2020. During the COVID-19 Public Health Emergency, state buildings are closed to the public and the hearing will be conducted remotely. To determine the location of the hearing or to participate in an electronic hearing, go to emnrd.state.nm.us/OCD/hearings or see the instructions posted on the Division's website, <http://emnrd.state.nm.us/OCD/announcements.html>.

You are not required to attend this hearing, but as an owner of an interest who may be affected by the applications, you may appear and present testimony. Failure to appear at that time and become a party of record will preclude you from contesting these matters at a later date.

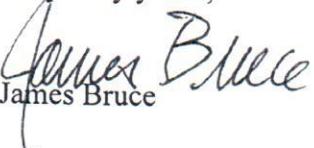
A party appearing in a Division case is required by Division Rules to file a Pre-Hearing Statement no later than Thursday, September 3, 2020. This statement may be filed online with the Division at ocd.hearings@state.nm.us, and should include: The name(s) of the party and his or her attorney; a concise statement of the case; the name(s) of the witness(es) the party will call to testify at the hearing; the approximate time the party will need to present his or her case; and

ATTACHMENT



identification of any procedural matters that need to be resolved prior to the hearing. The Pre-Hearing Statement must also be provided to the undersigned.

Very truly yours,


James Bruce

Attorney for Mewbourne Oil Company

EXHIBIT A

Chevron U.S.A. Inc.
6301 Deauville Boulevard
Midland, Texas 79706

Attention: Permitting Team

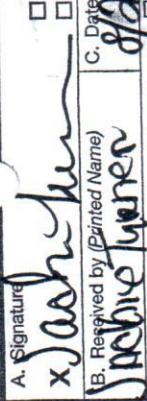
ConocoPhillips Company
P.O. Box 2197
Houston, TX 77252

EOG Resources, Inc.
5509 Champions Drive
Midland, Texas 79706

**U.S. Postal Service
CERTIFIED MAIL® RECEIPT**
Domestic Mail Only

For delivery information, visit our website at www.usps.com.

COMPLETE THIS SECTION ON DELIVERY

- A. Signature 
- B. Received by (Printed Name) **John J. Phillips**
- C. Date of Delivery **4/25/20**
- D. Is delivery address different from item 1? Yes No
- If YES, enter delivery address below:

ConocoPhillips Company
P.O. Box 2197
Houston, TX 77252



9590 9402 5941 0062 9786 69

(over \$500)

1403 9152

M 

PS Form 3811, July 2015 PSN 7530-02-000-9053

Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
 - Print your name and address on the reverse so that we can return the card to you.
 - Attach this card to the back of the mailpiece, or on the front if space permits.
1. Article Addressed to:

P.O. Box 2197
Houston, TX 77252



9590 9402 5941 0062 9786 69

(over \$500)

1403 9152

M 

PS Form 3811, July 2015 PSN 7530-02-000-9053

Domestic Return Receipt

6976 0303 0000 0490 0202

| | |
|----------|------------------------|
| Postage | Total Postage and Fees |
| \$ | 0.00 |
| Postmark | Here |

| | |
|----------|------------------------|
| Postage | Total Postage and Fees |
| \$ | 0.00 |
| Postmark | Here |

| | |
|--------------------------------------|------------------------|
| Postage | Total Postage and Fees |
| \$ | 0.00 |
| Postmark | Midland, Texas 79706 |
| Street and Apt. No., or P.O. Box No. | 5509 Champions Drive |
| City, State, Zip + 4 ^b | Midland, Texas 79706 |
| See Reverse for Instructions | |

PS Form 3800, April 2015 PSN 7530-02-000-9047

**U.S. Postal Service™
CERTIFIED MAIL® RECEIPT**
Domestic Mail Only

For delivery information, visit our website at www.usps.com.

OFFICIAL USE

Postmark
Here

PS Form 3811, July 2015 PSN 7530-02-000-9053

| | |
|----------|------------------------|
| Postage | Total Postage and Fees |
| \$ | 0.00 |
| Postmark | Here |

| | |
|--------------------------------------|------------------------|
| Postage | Total Postage and Fees |
| \$ | 0.00 |
| Postmark | Midland, Texas 79706 |
| Street and Apt. No., or P.O. Box No. | 5509 Champions Drive |
| City, State, Zip + 4 ^b | Midland, Texas 79706 |
| See Reverse for Instructions | |

| | |
|--------------------------------------|------------------------|
| Postage | Total Postage and Fees |
| \$ | 0.00 |
| Postmark | Midland, Texas 79706 |
| Street and Apt. No., or P.O. Box No. | 5509 Champions Drive |
| City, State, Zip + 4 ^b | Midland, Texas 79706 |
| See Reverse for Instructions | |

| | |
|--------------------------------------|------------------------|
| Postage | Total Postage and Fees |
| \$ | 0.00 |
| Postmark | Midland, Texas 79706 |
| Street and Apt. No., or P.O. Box No. | 5509 Champions Drive |
| City, State, Zip + 4 ^b | Midland, Texas 79706 |
| See Reverse for Instructions | |

| | |
|--------------------------------------|------------------------|
| Postage | Total Postage and Fees |
| \$ | 0.00 |
| Postmark | Midland, Texas 79706 |
| Street and Apt. No., or P.O. Box No. | 5509 Champions Drive |
| City, State, Zip + 4 ^b | Midland, Texas 79706 |
| See Reverse for Instructions | |

| | |
|--------------------------------------|------------------------|
| Postage | Total Postage and Fees |
| \$ | 0.00 |
| Postmark | Midland, Texas 79706 |
| Street and Apt. No., or P.O. Box No. | 5509 Champions Drive |
| City, State, Zip + 4 ^b | Midland, Texas 79706 |
| See Reverse for Instructions | |

| | |
|--------------------------------------|------------------------|
| Postage | Total Postage and Fees |
| \$ | 0.00 |
| Postmark | Midland, Texas 79706 |
| Street and Apt. No., or P.O. Box No. | 5509 Champions Drive |
| City, State, Zip + 4 ^b | Midland, Texas 79706 |
| See Reverse for Instructions | |

| | |
|--------------------------------------|------------------------|
| Postage | Total Postage and Fees |
| \$ | 0.00 |
| Postmark | Midland, Texas 79706 |
| Street and Apt. No., or P.O. Box No. | 5509 Champions Drive |
| City, State, Zip + 4 ^b | Midland, Texas 79706 |
| See Reverse for Instructions | |

PS Form 3811, July 2015 PSN 7530-02-000-9053

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Chevron U.S.A. Inc.
6301 Deauville Boulevard
Midland, Texas 79706



9590 9402 5941 0062 9786 52

Article Number Transfer from another label
7020 0640 0000 1403 9176
(over \$500)
M Ph

PS Form 3811, July 2015 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

- A. Signature *AA 720 C-19* Agent
 Received by (Printed Name) *C. Date of Delivery*
 B. Received by (Printed Name) Addressee
 D. Is delivery address different from item 1? Yes
 If YES, enter delivery address below: No

3. Service Type
 Priority Mail Express®
 Registered Mail™
 Registered Mail Restricted Delivery
 Adult Signature Restricted Delivery
 Adult Signature Restricted Delivery
 Certified Mail®
 Certified Mail Restricted Delivery
 Collect on Delivery
 Collect on Delivery, Restricted Delivery
 Merchandise
 Signature Confirmation™
 Signature Confirmation
 Restricted Delivery
 Restricted Delivery

Domestic Return Receipt

**U.S. Postal Service™
CERTIFIED MAIL® RECEIPT**

Domestic Mail Only

For delivery information, visit our website at www.usps.com

M Ph

OFFICIAL USE

Certified Mail Fee \$ 0.40

Extra Services & Fees (check box, add fee as appropriate)

Return Receipt (handcopy) \$ _____

Return Receipt (electronic) \$ _____

Certified Mail Restricted Delivery \$ _____

Adult Signature Required \$ _____

Adult Signature Restricted Delivery \$ _____

Postage \$ 0.40

Total Postage and Fees \$ 0.40

Chevron U.S.A. Inc.
6301 Deauville Boulevard
Midland, Texas 79706
Street and Appt. No., or P.O. Box No. _____
City, State, Zip+4 _____

Postmark Here

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

COMPULSORY POOLING APPLICATION CHECKLIST

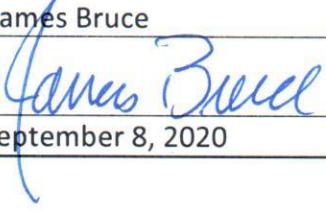
ALL INFORMATION IN THE APPLICATION MUST BE SUPPORTED BY SIGNED AFFIDAVITS

| | |
|--|--|
| Case: | 21406 |
| Date | September 10, 2020 |
| Applicant | Mewbourne Oil Company |
| Designated Operator & OGRID (affiliation if applicable) | Mewbourne Oil Company/OGRID No. 14744 |
| Applicant's Counsel: | James Bruce |
| Case Title: | Application of Mewbourne Oil Company for Compulsory Pooling, Eddy County, New Mexico |
| Entries of Appearance/Intervenors: | EOG Resources, Inc./Holland & Hart LLP |
| Well Family | Phoenix |
| Formation/Pool | |
| Formation Name(s) or Vertical Extent: | Bone Spring Formation |
| Primary Product (Oil or Gas): | Oil |
| Pooling this vertical extent: | Entire Bone Spring formation |
| Pool Name and Pool Code: | Santo Nino; Bone Spring/Pool Code 54600 |
| Well Location Setback Rules: | Statewide rules and current horizontal well rules |
| Spacing Unit Size: | Quarter-quarter Sections/40 acres |
| Spacing Unit | |
| Type (Horizontal/Vertical) | Horizontal |
| Size (Acres) | 320 acres |
| Building Blocks: | 40 acres |
| Orientation: | West-East |
| Description: TRS/County | N/2S/2 §21 and N/2S/2 §22-18S-30E, NMPM, Eddy County |
| Standard Horizontal Well Spacing Unit (Y/N), If No, describe | Yes |
| Other Situations | |
| Depth Severance: Y/N. If yes, description | No |
| Proximity Tracts: If yes, description | No |
| Proximity Defining Well: if yes, description | |
| Applicant's Ownership in Each Tract | Exhibit 2 B-1 |
| Well(s) | |
| Name & API (if assigned), surface and bottom hole location, footages, completion target, orientation, completion status (standard or non-standard) | Phoenix 21/22 B2KI Fed. Com. Well No. 1H API No. 30-015-46822 SHL: 720 FNL & 270 FEL §29-18S-30E BHL: 1980 FSL & 100 FEL §22 FTP: 1980 FSL & 100 FWL §21 LTP: 1980 FSL & 100 FEL §22 Second Bone Spring Sand/TVD 8309 feet/MD 19043 feet |

EXHIBIT

5

| | |
|--|--|
| Horizontal Well First and Last Take Points | See above |
| Completion Target (Formation, TVD and MD) | See above |
| AFE Capex and Operating Costs | |
| Drilling Supervision/Month \$ | \$8000 |
| Production Supervision/Month \$ | \$800 |
| Justification for Supervision Costs | Exhibit 2, page 2 |
| Requested Risk Charge | Cost + 200%/Exhibit 2, page 2 |
| Notice of Hearing | |
| Proposed Notice of Hearing | Exhibit 1 |
| Proof of Mailed Notice of Hearing (20 days before hearing) | Exhibit 4 |
| Proof of Published Notice of Hearing (10 days before hearing) | Unnecessary |
| Ownership Determination | |
| Land Ownership Schematic of the Spacing Unit | Exhibit 2-A |
| Tract List (including lease numbers and owners) | Exhibit 2-B-1 |
| Pooled Parties (including ownership type) | Exhibit 2-B-1 |
| Unlocatable Parties to be Pooled | No |
| Ownership Depth Severance (including percentage above & below) | None |
| Joinder | |
| Sample Copy of Proposal Letter | Exhibit 2-C |
| List of Interest Owners (<i>i.e.</i> Exhibit A of JOA) | Exhibit 2-B-1 |
| Chronology of Contact with Non-Joined Working Interests | Exhibit 2-C |
| Overhead Rates In Proposal Letter | |
| Cost Estimate to Drill and Complete | Exhibit 2-D |
| Cost Estimate to Equip Well | Exhibit 2-D |
| Cost Estimate for Production Facilities | Exhibit 2-D |
| Geology | |
| Summary (including special considerations) | Exhibit 3 |
| Spacing Unit Schematic | Exhibit 3-A |
| Gunbarrel/Lateral Trajectory Schematic | Exhibit 3-A, C |
| Well Orientation (with rationale) | Laydown/Exhibit 3, page 2 and Exhibit 3--C |
| Target Formation | Bone Spring |
| HSU Cross Section | Exhibit 3-C |
| Depth Severance Discussion | Not Applicable |
| Forms, Figures and Tables | |
| C-102 | Exhibit 2-A |
| Tracts | Exhibits 2-A and 2-B-1 |
| Summary of Interests, Unit Recapitulation (Tracts) | Exhibit 2-B-1 |

| | |
|--|---|
| General Location Map (including basin) | Exhibit 2-A |
| Well Bore Location Map | Exhibit 2-A |
| Structure Contour Map - Subsea Depth | Exhibit 3-A |
| Cross Section Location Map (including wells) | Exhibit 3-C |
| Cross Section (including Landing Zone) | Exhibit 3-C |
| Additional Information | |
| CERTIFICATION: I hereby certify that the information provided in this checklist is complete and accurate. | |
| Printed Name (Attorney or Party Representative): | James Bruce |
| Signed Name (Attorney or Party Representative): |  |
| Date: | September 8, 2020 |

COMPULSORY POOLING APPLICATION CHECKLIST

ALL INFORMATION IN THE APPLICATION MUST BE SUPPORTED BY SIGNED AFFIDAVITS

| | |
|--|---|
| Case: | 21407 |
| Date | September 10, 2020 |
| Applicant | Mewbourne Oil Company |
| Designated Operator & OGRID (affiliation if applicable) | Mewbourne Oil Company/OGRID No. 14744 |
| Applicant's Counsel: | James Bruce |
| Case Title: | Application of Mewbourne Oil Company for Compulsory Pooling, Eddy County, New Mexico |
| Entries of Appearance/Intervenors: | EOG Resources, Inc./Holland & Hart LLP |
| Well Family | Phoenix |
| Formation/Pool | |
| Formation Name(s) or Vertical Extent: | Bone Spring Formation |
| Primary Product (Oil or Gas): | Oil |
| Pooling this vertical extent: | Entire Bone Spring formation |
| Pool Name and Pool Code: | Santo Nino; Bone Spring/Pool Code 54600 |
| Well Location Setback Rules: | Statewide rules and current horizontal well rules |
| Spacing Unit Size: | Quarter-quarter Sections/40 acres |
| Spacing Unit | |
| Type (Horizontal/Vertical) | Horizontal |
| Size (Acres) | 320 acres |
| Building Blocks: | 40 acres |
| Orientation: | West-East |
| Description: TRS/County | S/2S/2 §21 and S/2S/2 §22-18S-30E, NMPM, Eddy County |
| Standard Horizontal Well Spacing Unit (Y/N), If No, describe | Yes |
| Other Situations | |
| Depth Severance: Y/N. If yes, description | No |
| Proximity Tracts: If yes, description | No |
| Proximity Defining Well: if yes, description | |
| Applicant's Ownership in Each Tract | Exhibit 2 B-2 |
| Well(s) | |
| Name & API (if assigned), surface and bottom hole location, footages, completion target, orientation, completion status (standard or non-standard) | Phoenix 21/22 B2NP Fed. Com. Well No. 1H API No. 30-015-46822 SHL: 770 FNL & 270 FEL §29-18S-30E BHL: 660 FSL & 100 FEL §22 FTP: 660 FSL & 100 FWL §21 LTP: 660 FSL & 100 FEL §22 Second Bone Spring Sand/TVD 8344 feet/MD 18486 feet |

EXHIBIT 6

| | |
|--|--|
| Horizontal Well First and Last Take Points | See above |
| Completion Target (Formation, TVD and MD) | See above |
| AFE Capex and Operating Costs | |
| Drilling Supervision/Month \$ | \$8000 |
| Production Supervision/Month \$ | \$800 |
| Justification for Supervision Costs | Exhibit 2, page 2 |
| Requested Risk Charge | Cost + 200%/Exhibit 2, page 2 |
| Notice of Hearing | |
| Proposed Notice of Hearing | Exhibit 1 |
| Proof of Mailed Notice of Hearing (20 days before hearing) | Exhibit 4 |
| Proof of Published Notice of Hearing (10 days before hearing) | Unnecessary |
| Ownership Determination | |
| Land Ownership Schematic of the Spacing Unit | Exhibit 2-A |
| Tract List (including lease numbers and owners) | Exhibit 2-B-2 |
| Pooled Parties (including ownership type) | Exhibit 2-B-2 |
| Unlocatable Parties to be Pooled | No |
| Ownership Depth Severance (including percentage above & below) | None |
| Joinder | |
| Sample Copy of Proposal Letter | Exhibit 2-C |
| List of Interest Owners (<i>i.e.</i> Exhibit A of JOA) | Exhibit 2-B-2 |
| Chronology of Contact with Non-Joined Working Interests | Exhibit 2-C |
| Overhead Rates In Proposal Letter | |
| Cost Estimate to Drill and Complete | Exhibit 2-D |
| Cost Estimate to Equip Well | Exhibit 2-D |
| Cost Estimate for Production Facilities | Exhibit 2-D |
| Geology | |
| Summary (including special considerations) | Exhibit 3 |
| Spacing Unit Schematic | Exhibit 3-A |
| Gunbarrel/Lateral Trajectory Schematic | Exhibit 3-A, C |
| Well Orientation (with rationale) | Laydown/Exhibit 3, page 2 and Exhibit 3--C |
| Target Formation | Bone Spring |
| HSU Cross Section | Exhibit 3-C |
| Depth Severance Discussion | Not Applicable |
| Forms, Figures and Tables | |
| C-102 | Exhibit 2-A |
| Tracts | Exhibits 2-A and 2-B-2 |
| Summary of Interests, Unit Recapitulation (Tracts) | Exhibit 2-B-2 |

| | |
|--|-------------------|
| General Location Map (including basin) | Exhibit 2-A |
| Well Bore Location Map | Exhibit 2-A |
| Structure Contour Map - Subsea Depth | Exhibit 3-A |
| Cross Section Location Map (including wells) | Exhibit 3-C |
| Cross Section (including Landing Zone) | Exhibit 3-C |
| Additional Information | |
| CERTIFICATION: I hereby certify that the information provided in this checklist is complete and accurate. | |
| Printed Name (Attorney or Party Representative): | James Bruce |
| Signed Name (Attorney or Party Representative): | |
| Date: | September 8, 2020 |