

**CASE NO. 22647**

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

**MEWBOURNE OIL COMPANY'S EXHIBIT LIST**

1. Application and Proposed Notice
2. Landman's Affidavit
3. Geologist's Affidavit
4. Affidavit of Mailing
5. Publication Affidavit
6. Pooling Checklist

**BEFORE THE NEW MEXICO OIL CONSERVATION DIVISION**

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

Case No. 22641

**APPLICATION**

Mewbourne Oil Company applies for an order pooling all uncommitted mineral interest owners in the Bone Spring formation underlying a horizontal spacing unit comprised of the S $\frac{1}{2}$ S $\frac{1}{2}$  of Section 21 and the S $\frac{1}{2}$ S $\frac{1}{2}$  of Section 20, Township 20 South, Range 27 East, N.M.P.M., Eddy County, New Mexico, and in support thereof, states:

1. Applicant is an interest owner in the S $\frac{1}{2}$ S $\frac{1}{2}$  of Section 21 and the S $\frac{1}{2}$ S $\frac{1}{2}$  of Section 20, and has the right to drill a well thereon.
2. Applicant proposes to drill the Wine Mixer 21/20 B3PM Fed. Com. Well No. 1H to a depth sufficient to test the Bone Spring formation, and to dedicate the S $\frac{1}{2}$ S $\frac{1}{2}$  of Section 21 and the S $\frac{1}{2}$ S $\frac{1}{2}$  of Section 20 to the well. The well is a horizontal well, with a first take point in the SE $\frac{1}{4}$ SE $\frac{1}{4}$  of Section 21 and a last take point in the SW $\frac{1}{4}$ SW $\frac{1}{4}$  of Section 20.
3. Applicant has in good faith sought to obtain the voluntary joinder of all other mineral interest owners in the S $\frac{1}{2}$ S $\frac{1}{2}$  of Section 21 and the S $\frac{1}{2}$ S $\frac{1}{2}$  of Section 20 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

EXHIBIT

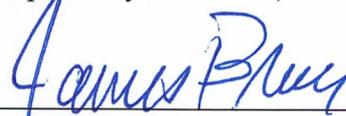
formation underlying S $\frac{1}{2}$ S $\frac{1}{2}$  of Section 21 and the S $\frac{1}{2}$ S $\frac{1}{2}$  of Section 20, pursuant to NMSA 1978 §70-2-17.

5. The pooling of all mineral interest owners in the Bone Spring formation underlying the S $\frac{1}{2}$ S $\frac{1}{2}$  of Section 21 and the S $\frac{1}{2}$ S $\frac{1}{2}$  of Section 20 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 interest owners in the Bone Spring formation underlying the S $\frac{1}{2}$ S $\frac{1}{2}$  of Section 21 and the S $\frac{1}{2}$ S $\frac{1}{2}$  of Section 20;
- 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

***Application of Mewbourne Oil Company for compulsory pooling, Eddy County, New Mexico.***

Mewbourne Oil Company seeks an order pooling all uncommitted mineral interest owners 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 20, Township 20 South, Range 27 East, NMPM. The unit will be dedicated to the Wine Mixer 21/20 B3PM Fed. Com. Well No. 1H, a horizontal well with a first take point in the SE/4SE/4 of Section 21 and a last take point in the SW/4SW/4 of Section 20. 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 7 miles southeast of Lakewood, 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. 22647**

**SELF-AFFIRMED STATEMENT OF BRAXTON BLANDFORD**

Braxton Blandford deposes and states:

1. I am a landman for Mewbourne Oil Company (“Mewbourne”), and have personal knowledge of the matters stated herein. My educational and work experience is as follows:

I graduated from Texas Tech University in May 2021 from the Energy Commerce program in the Rawls College of Business. I started working full time for Mewbourne Oil Company June 21, 2021, following my internship in the Summer of 2020.

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

3. The purpose of this application is to force pool working interest owners into the Bone Spring horizontal spacing unit described below, and in wells to be drilled in the unit.

4. No opposition is expected because the interest owners being pooled have been contacted regarding the proposed wells, but have failed or refused to voluntarily commit their interests to the well.

5. A plat outlining the units being pooled is submitted as Attachment A. Mewbourne seeks orders pooling all mineral interests in the Bone Spring formation underlying a horizontal spacing unit comprised of the S/2 S/2 of Section 20 and the S/2 S/2 of Section 21, Township 20 South, Range 27 East, NMPM. The unit will be dedicated to the Wine Mixer 21/20 B3PM Fed Com.Well No. 1H, with a first take point in the SE/4 SE/4 of Section 21 and a last take point in the SW/4 SW/4 of Section 20. There is no depth severance in the Bone Spring formation.

A form C-102 for the well is also submitted as part of Attachment A.

EXHIBIT 2

6. The parties being pooled, and their interests, are set forth in Attachment B. Attachment C is a summary of communications and a sample copy of the proposal letters sent to the uncommitted working interest owners.

7 Some interest owners may be unlocatable. In order to locate the interest owners Mewbourne examined the records of Eddy County, State Land Office records, and the Bureau of Land Management records. In addition, we conducted internet searches using Drilling Info, Accurint, and generic name searches on Google.

Mewbourne has made a good faith effort to locate and obtain the voluntary joinder of the working interest owners in the proposed well.

8. Mewbourne has the right to pool the overriding royalty owners in the well unit.

9. Attachment D contains the Authorization for Expenditure for the proposed well. The estimated costs of the wells set forth therein are fair and reasonable, and comparable to the costs of other wells of similar depth and length drilled in this area of Eddy County.

10. 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 portion of Eddy County. They are also the rates set forth in the Joint Operating Agreement for the well unit. Mewbourne requests that these rates be adjusted periodically as provided in the COPAS Accounting Procedure.

11. Mewbourne requests that the maximum cost plus 200% risk charge be assessed against non-consenting working interest owners.

12. Mewbourne requests that it be designated operator of the well.

13. The attachments to this affidavit were prepared by me, or compiled from company business records.

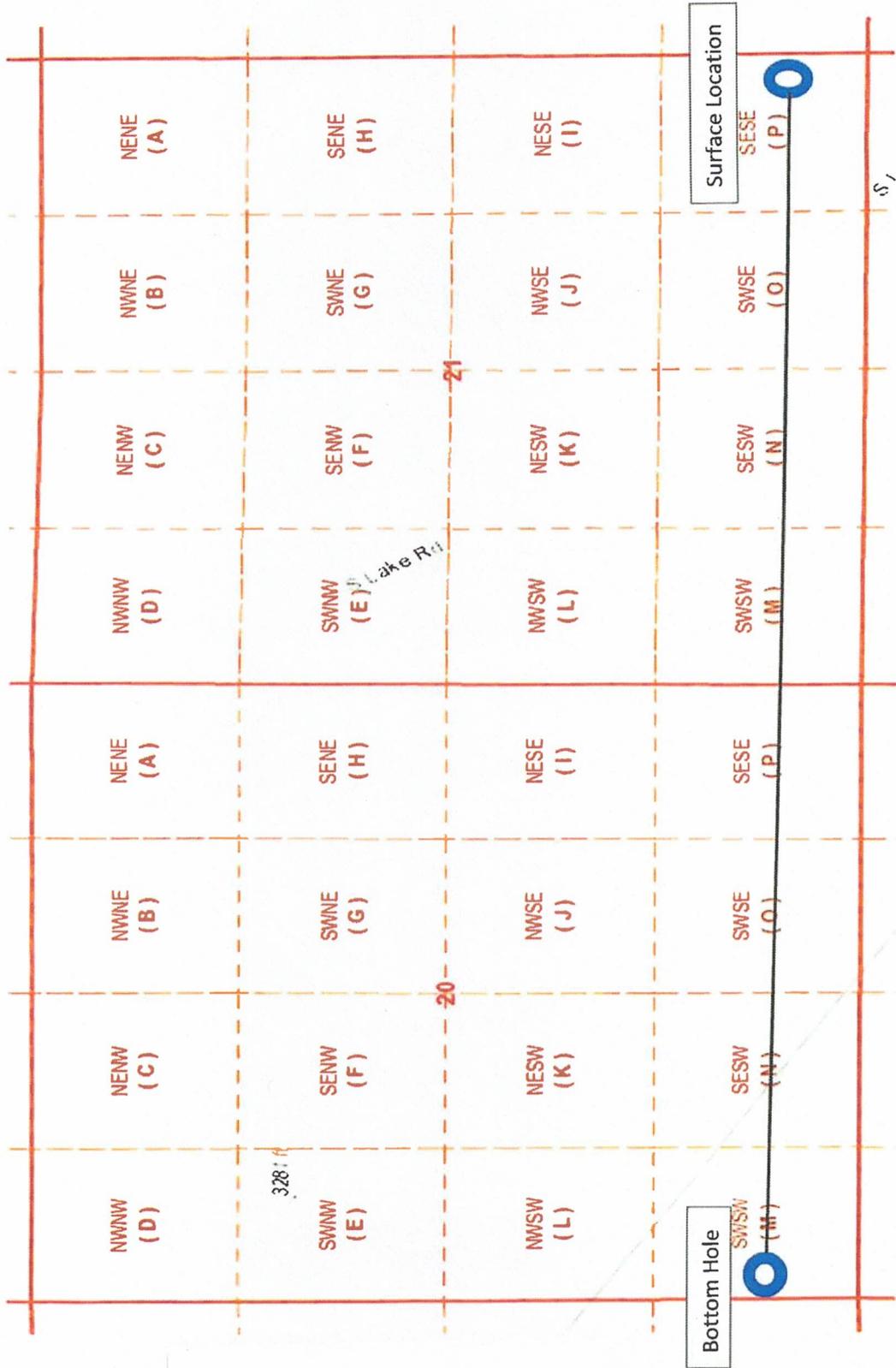
14. The granting of this application is in the interests of conservation and the prevention of waste.

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 14 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: 4/6/2022

Braxton Blandford  
Braxton Blandford

Wine Mixer 21-20 B3PM Fed Com #1H



ATTACHMENT A

District I  
1625 N French Dr., Hobbs, NM 88240  
Phone: (575) 393-6161 Fax: (575) 393-0720  
District II  
811 S First St., Artesia, NM 88210  
Phone: (575) 748-1283 Fax: (575) 748-9720  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
Phone: (505) 334-6178 Fax: (505) 334-6170  
District IV  
1220 S St. Francis Dr., Santa Fe, NM 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462

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

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

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

|   |                      |   |                     |              |                              |                                  |                             |                               |                       |
|---|----------------------|---|---------------------|--------------|------------------------------|----------------------------------|-----------------------------|-------------------------------|-----------------------|
| 1 API Number                                      |                      | 2 Pool Code   |                     | 3 Pool Name  |                              |                                  |                             |                               |                       |
| 4 Property Code                                   |                      | 5 Property Name<br><b>WINE MIXER 21/20 B3PM FED COM</b> |                     |              |                              |                                  |                             | 6 Well Number<br><b>1H</b>    |                       |
| 7 OGRID NO.                                       |                      | 8 Operator Name<br><b>MEWBOURNE OIL COMPANY</b>         |                     |              |                              |                                  |                             | 9 Elevation<br><b>3252'</b>   |                       |
| 10 Surface Location                               |                      |   |                     |              |                              |                                  |                             |                               |                       |
| UL or lot no.<br><b>P</b>                         | Section<br><b>21</b> | Township<br><b>20S</b>                                  | Range<br><b>27E</b> | Lot Idn      | Feet from the<br><b>1080</b> | North/South line<br><b>SOUTH</b> | Feet from the<br><b>205</b> | East/West line<br><b>EAST</b> | County<br><b>EDDY</b> |
| 11 Bottom Hole Location If Different From Surface |                      |   |                     |              |                              |                                  |                             |                               |                       |
| UL or lot no.<br><b>M</b>                         | Section<br><b>20</b> | Township<br><b>20S</b>                                  | Range<br><b>27E</b> | Lot Idn      | Feet from the<br><b>660</b>  | North/South line<br><b>SOUTH</b> | Feet from the<br><b>100</b> | East/West line<br><b>WEST</b> | County<br><b>EDDY</b> |
| 12 Dedicated Acres                                | 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

**CORNER DATA**  
NAD 83 GRID - NM EAST

A: FOUND BRASS CAP "1942"  
N: 564526.0 - E: 547939.6

B: FOUND BRASS CAP "1942"  
N: 567179.5 - E: 547933.9

C: FOUND BRASS CAP "1942"  
N: 569832.3 - E: 547927.8

D: FOUND BRASS CAP "1942"  
N: 569836.4 - E: 550580.5

E: FOUND BRASS CAP "1942"  
N: 569847.4 - E: 553234.1

F: FOUND BRASS CAP "1942"  
N: 569783.6 - E: 555882.0

G: FOUND BRASS CAP "1942"  
N: 569772.8 - E: 558534.1

H: FOUND BRASS CAP "1942"  
N: 567122.1 - E: 558516.4

I: FOUND BRASS CAP "1942"  
N: 564470.0 - E: 558504.7

J: FOUND BRASS CAP "1942"  
N: 564496.2 - E: 555846.6

K: CALCULATED CORNER  
N: 564525.5 - E: 553189.8

**GEODETIC DATA**  
NAD 83 GRID - NM EAST

**BOTTOM HOLE**  
N: 565185.8 - E: 548038.1  
LAT: 32.5537506° N  
LONG: 104.3115858° W

**SURFACE LOCATION**  
N: 565551.7 - E: 558304.5  
LAT: 32.5547461° N  
LONG: 104.2782648° W

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

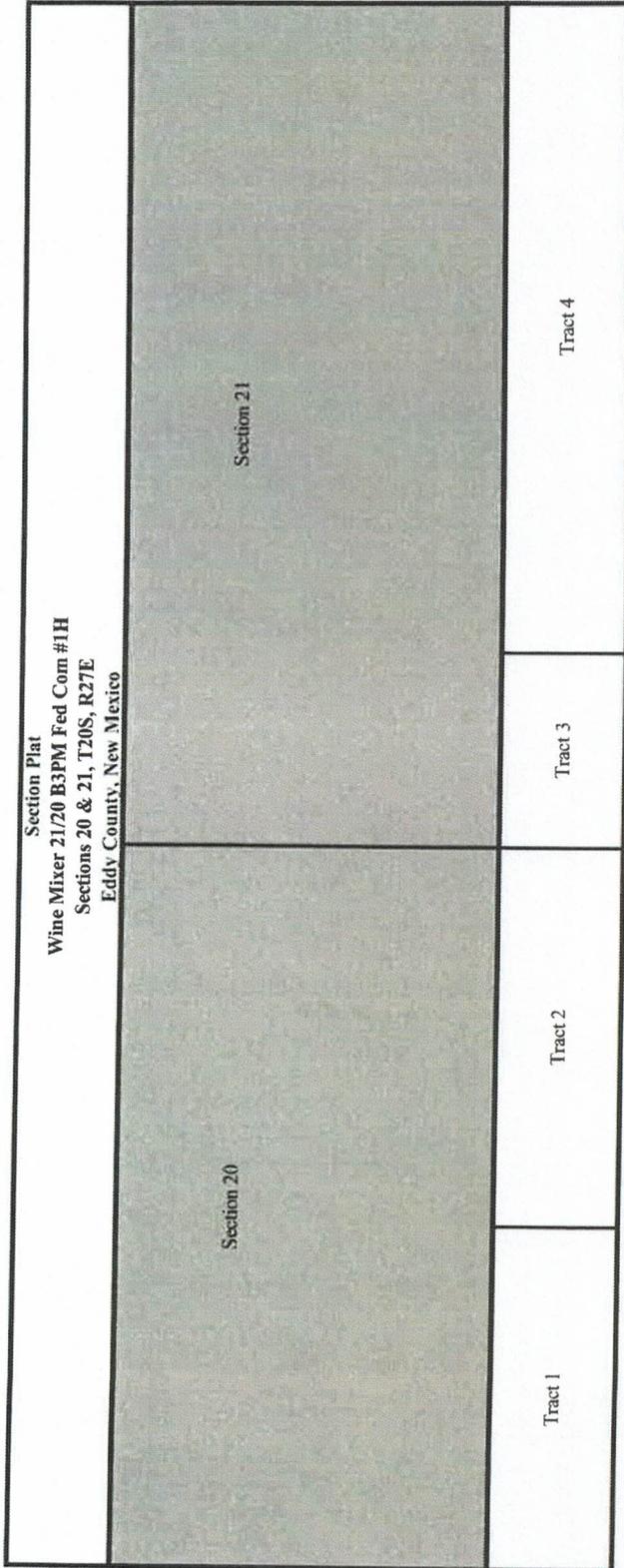
Signature \_\_\_\_\_ Date \_\_\_\_\_  
Printed Name \_\_\_\_\_  
E-mail Address \_\_\_\_\_

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

06/14/2021  
Date of Survey  
Signature and Seal of Professional Surveyor \_\_\_\_\_  
19680  
Certificate Number

**PROF. ROBERT M. HOWETT**  
NEW MEXICO  
19680  
PROFESSIONAL SURVEYOR

Job No: LS21060609



**Tract 1: S/2 SW/4 of Section 20- Fed Lease NMNM 019598**

Mewbourne Oil Company  
 Abo Petroleum, LLC  
 Vladin, LLC  
 Trust Q U/W/O Peggy Yates  
 Los Chicos

**Tract 2: S/2 SE/4 of Section 20-Fee Lease**

OXY USA WTP LP  
 Cactus Energy, Inc  
 Thomas R Smith

**Tract 3: SW/4 SW/4 of Section 21-Fee Lease**

Mewbourne Oil Company  
 OXY USA WTP LP  
 Cactus Energy, Inc  
 Thomas R Smith  
 Frank Suttles  
 Fasken Land & Minerals, Ltd

**Tract 4: SE/4 SW/4 & S/2 SE/4 of Section 21-State Lease V-4808-2**

Mewbourne Oil Company  
 OXY USA WTP LP  
 Cactus Energy, Inc  
 Dinero Operating Corporation  
 Frank Suttles  
 The Allar Company  
 Strategic Energy Income Fund IV, LP  
 Fasken Land & Minerals, Ltd

ATTACHMENT B

RECAPITULATION FOR WINE MIXER 21/20 B3PM FED COM #1H

| Tract Number | Number of Acres Committed | Percentage of Interest in Communitized Area |
|--------------|---------------------------|---|
| 1            | 80                        | 25.000000%                                  |
| 2            | 80                        | 25.000000%                                  |
| 3            | 40                        | 12.500000%                                  |
| 4            | 120                       | 37.500000%                                  |
| <b>TOTAL</b> | <b>320</b>                | <b>100.000000%</b>                          |

**TRACT OWNERSHIP**

S/2 S/2 of Section 20 & S/2 S/2 of Section 21

Bone Spring Formation:

| Owner   | % of Leasehold Interest |
|---|-------------------------|
| Mewbourne Oil Company, et al.   | 45.760156%              |
| *OXY USA WTP LP   | 44.343750%              |
| 5 Greenway Plaza, Suite 110<br>Houston, Texas 77046                     | 7.962500%               |
| *Fasken Land & Minerals<br>6101 Holiday Hill Rd<br>Midland, Texas 79707 | 0.546875%               |
| *Frank Suttles<br>P.O. Box 10725<br>Midland, Texas 79702                | 1.386719%               |
| *Thomas R Smith<br>1409 South County Road 1130<br>Midland, Texas 79706  |                         |

**TOTAL** 100.000000%

**Total Interest Being Pooled:** 54.239844%

OWNERSHIP BY TRACT

S/2 SW/4 of Section 20

Owner  
Mewbourne Oil Company, et al

% of Leasehold Interest  
100.000000%

TOTAL

100.000000%

S/2 SE/4 of Section 20

Owner  
Mewbourne Oil Company, et al  
Thomas R Smith  
OXY USA WTP LP

% of Leasehold Interest  
5.000000%  
5.000000%  
90.000000%

TOTAL

100.000000%

SW/4 SW/4 of Section 21

Owner  
Mewbourne Oil Company, et al  
OXY USA WTP LP  
Thomas R Smith  
Frank Suttles  
Fasken Lan & Minerals, Ltd

% of Leasehold Interest  
38.200000%  
43.687500%  
1.093750%  
1.093750%  
15.925000%

TOTAL

100.000000%

SE/4 SW/4 & S/2 SE/4 of Section 21

Owner  
Mewbourne Oil Company, et al  
OXY USA WTP LP  
Fasken Land & Minerals, Ltd  
Frank Suttles

% of Leasehold Interest  
39.293750%  
43.687500%  
15.925000%  
1.093750%

TOTAL

100.000000%

Summary of Communications

Wine Mixer 21/20 B3IL Fed Com #1H

N/2S/2 of Section 20 & N/2S/2 of Section 21

Wine Mixer 21/20 B3PM Fed Com #1H

S/2S/2 of Section 20 & S/2S/2 of Section 21

T20S-R27E, Eddy County, NM

**OXY USA WTP LP:**

**10/21/2021:** Mailed Working Interest Unit, Well Proposal and Joint Operating Agreement to the above listed party. Proof of delivery is attached

**11/02/2021:** Correspondence with above listed party regarding the Well Proposal and Working Interest Unit.

**11/03/2021:** Phone correspondence with above listed party regarding the Well Proposal and Working Interest Unit.

**11/04/2021:** Phone correspondence with above listed party regarding the Well Proposal and Working Interest Unit.

**Fasken Land & Minerals, Ltd.:**

**09/16/2021:** Correspondence with above listed party regarding the Well Proposal and Working Interest Unit.

**09/30/2021:** Correspondence with above listed party regarding the Well Proposal and Working Interest Unit.

**10/12/2021:** Correspondence with above listed party regarding the Well Proposal and Working Interest Unit.

**10/20/2021:** Mailed Working Interest Unit, Well Proposal and Joint Operating Agreement to the above listed party. Proof of delivery is attached

**12/02/2021:** Phone correspondence with above listed party regarding the Well Proposal and Working Interest Unit.

**12/06/2021:** Correspondence with above listed party regarding the Well Proposal and Working Interest Unit.

**02/01/2022:** Phone correspondence with above listed party regarding the Well Proposal and Working Interest Unit.

**02/11/2022:** Correspondence with above listed party regarding the Well Proposal and Working Interest Unit.

ATTACHMENT

C

**12/17/2022:** Phone correspondence with above listed party regarding the Well Proposal and Working Interest Unit.

**02/28/2022:** Correspondence with above listed party regarding the Well Proposal and Working Interest Unit.

**03/03/2022:** Correspondence with above listed party regarding the Well Proposal and Working Interest Unit.

**03/10/2022:** Phone correspondence with above listed party regarding the Well Proposal and Working Interest Unit.

**03/18/2022:** Correspondence with above listed party regarding the Well Proposal and Working Interest Unit.

**03/28/2022:** Correspondence with above listed party regarding the Well Proposal and Working Interest Unit.

**Claudia Rascoe Pickens:**

**10/21/2021:** Mailed Working Interest Unit, Well Proposal and Joint Operating Agreement to the above listed party. Proof of delivery is attached.

**4/4/2022:** Called above listed party and tried to leave a voicemail but the voicemail was not set up.

**Thomas R. Smith**

**10/20/2021:** Mailed Working Interest Unit, Well Proposal and Joint Operating Agreement to the above listed party. Proof of delivery is attached

Called above listed party at several disconnected numbers.

**Barbara O'Sullivan Matson**

**2/1/2022:** Mailed Working Interest Unit, Well Proposal and Joint Operating Agreement to the above listed party. Proof of delivery is attached

**4/4/2022:** Called above listed party and left a voicemail.

**Kathleen O'Sullivan Crabb**

**2/1/2022:** Mailed Working Interest Unit, Well Proposal and Joint Operating Agreement to the above listed party. Returned

**4/4/2022:** Called above listed party left a voicemail.

**Frank Suttles**

**10/20/2021:** Mailed Working Interest Unit, Well Proposal and Joint Operating Agreement to the above listed party. Returned

Called several disconnected numbers found.

## MEWBOURNE OIL COMPANY

FASKEN CENTER  
500 WEST TEXAS, SUITE 1020  
MIDLAND, TX 79701

TELEPHONE (432) 682-3715

October 7, 2021

Via Certified Mail

Fasken Land & Minerals  
6101 Holiday Hill Road  
Midland, Texas 79707  
Attn: Mike Wallace

Re:

Wine Mixer 21/20 B3IL Fed Com #1H  
SL: 1110' FSL & 205' FEL (Section 21);  
BHL: 1980' FSL & 100' FWL (Section 20)

Wine Mixer 21/20 B3PM Fed Com #1H  
SL: 1080' FSL & 205' FEL (Section 21);  
BHL: 660' FSL & 100' FWL (Section 20)

Sections 20 & 21, T20S, R27E  
Eddy County, New Mexico

Ladies and Gentlemen:

Mewbourne Oil Company ("Mewbourne") as Operator hereby proposes to form a 1280.00 acre Working Interest Unit ("WIU") covering All of the captioned Section 20 and Section 21 for oil and gas production. The targeted interval for the initial test is the Bone Spring formation. Our records indicate that you own a portion of the operating rights in the WIU, and your working interest is reflected on the enclosed AFE.

In addition, Mewbourne hereby proposes to drill the captioned Wine Mixer 21/20 B3IL Fed Com #1H 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 8,230 feet subsurface to evaluate the Third Bone Spring Sand within the Bone Spring Formation. The proposed well will have a measured depth (MD) of approximately 18,325 feet. The N/2S/2 of the captioned Section 20 and the N/2S/2 of the captioned Section 21 will be dedicated to the well as the proration unit.

Finally, Mewbourne hereby proposes to drill the captioned Wine Mixer 21/20 B3PM Fed Com #1H 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 8,249 feet subsurface to evaluate the Third Bone Spring Sand within the Bone Spring Formation. The proposed well will have a measured depth (MD) of approximately 18,274 feet. The S/2S/2 of the captioned Section 20 and the S/2S/2 of the captioned Section 21 will be dedicated to the well as the proration unit.

Regarding the above, enclosed for your further handling is our Operating Agreement dated October 1, 2021, along with an extra set of signature pages and our AFEs dated October 1, 2021, for the captioned proposed wells. Please sign and return said AFEs and extra set of signature pages at your earliest convenience if you elect to participate in the captioned wells and WIU and return to me within thirty (30) days.

In lieu of participating, MOC hereby offers to purchase a Term Assignment with the details of the offer discussed in previous conversations between MOC and Fasken.

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

Sincerely,

**MEWBOURNE OIL COMPANY**

Barrett Buck  
Landman

**MEWBOURNE OIL COMPANY**  
AUTHORIZATION FOR EXPENDITURE

Well Name: WINE MIXER 21/20 B3PM FED COM #1H Prospect: 3RD BSS (2.0 Mile Lateral)  
 Location: SL: 1080 FSL & 205 FEL (21) ; BHL: 660 FSL & 100 FWL (20) County: Eddy ST: NM  
 Sec. 21&20 Blk:      Survey:      TWP: 20S RNG: 27E Prop. TVD: 8249 TMD: 18274

| INTANGIBLE COSTS 0180                |   | CODE      | TCP                | CODE      | CC                 |
|--------------------------------------|---|-----------|--------------------|-----------|--------------------|
| Regulatory Permits & Surveys         |   | 0180-0100 | \$20,000           | 0180-0200 |                    |
| Location / Road / Site / Preparation |   | 0180-0105 | \$75,000           | 0180-0205 | \$35,000           |
| Location / Restoration               |   | 0180-0106 | \$200,000          | 0180-0206 | \$75,000           |
| Daywork / Turnkey / Footage Drilling | 24 days drilg / 3 days comp @ \$19500/d | 0180-0110 | \$499,800          | 0180-0210 | \$62,500           |
| Fuel                                 | 1700 gal/day @ \$3/gal                  | 0180-0114 | \$130,700          | 0180-0214 | \$330,000          |
| Mud, Chemical & Additives            |   | 0180-0120 | \$100,000          | 0180-0220 |                    |
| Horizontal Drillout Services         |   |           |                    | 0180-0222 | \$200,000          |
| Cementing                            |   | 0180-0125 | \$80,000           | 0180-0225 | \$35,000           |
| Logging & Wireline Services          |   | 0180-0130 | \$2,300            | 0180-0230 | \$363,000          |
| Casing / Tubing / Snubbing Service   |   | 0180-0134 | \$25,000           | 0180-0234 | \$15,000           |
| Mud Logging                          |   | 0180-0137 | \$30,000           |           |                    |
| Stimulation                          | 51 Stg 20.2 MM gal / 20.2 MM lb         |           |                    | 0180-0241 | \$1,677,000        |
| Stimulation Rentals & Other          |   |           |                    | 0180-0242 | \$200,000          |
| Water & Other                        |   | 0180-0145 | \$40,000           | 0180-0245 | \$410,000          |
| Bits                                 |   | 0180-0148 | \$106,100          | 0180-0248 | \$5,000            |
| Inspection & Repair Services         |   | 0180-0150 | \$50,000           | 0180-0250 | \$5,000            |
| Misc. Air & Pumping Services         |   | 0180-0154 |                    | 0180-0254 | \$10,000           |
| Testing & Flowback Services          |   | 0180-0158 | \$12,000           | 0180-0258 | \$24,000           |
| Completion / Workover Rig            |   |           |                    | 0180-0260 | \$10,500           |
| Rig Mobilization                     |   | 0180-0164 | \$150,000          |           |                    |
| Transportation                       |   | 0180-0165 | \$30,000           | 0180-0265 | \$15,000           |
| Welding Services                     |   | 0180-0168 | \$4,000            | 0180-0268 | \$15,000           |
| Contract Services & Supervision      |   | 0180-0170 | \$112,000          | 0180-0270 | \$58,100           |
| Directional Services                 | Includes Vertical Control               | 0180-0175 | \$310,000          |           |                    |
| Equipment Rental                     |   | 0180-0180 | \$208,300          | 0180-0280 | \$12,500           |
| Well / Lease Legal                   |   | 0180-0184 | \$5,000            | 0180-0284 |                    |
| Well / Lease Insurance               |   | 0180-0185 | \$4,800            | 0180-0285 |                    |
| Intangible Supplies                  |   | 0180-0188 | \$7,000            | 0180-0288 | \$1,000            |
| Damages                              |   | 0180-0190 | \$10,000           | 0180-0290 | \$10,000           |
| ROW & Easements                      |   | 0180-0192 |                    | 0180-0292 | \$5,000            |
| Pipeline Interconnect                |   |           |                    | 0180-0293 |                    |
| Company Supervision                  |   | 0180-0195 | \$132,000          | 0180-0295 | \$40,000           |
| Overhead Fixed Rate                  |   | 0180-0196 | \$10,000           | 0180-0296 | \$20,000           |
| Well Abandonment                     |   | 0180-0198 |                    | 0180-0298 |                    |
| Contingencies                        | 10% (TCP) 10% (CC)                      | 0180-0199 | \$235,400          | 0180-0299 | \$363,360          |
| <b>TOTAL</b>                         |   |           | <b>\$2,589,400</b> |           | <b>\$3,996,960</b> |

| TANGIBLE COSTS 0181             |   | CODE      | TCP                | CODE      | CC                 |
|---------------------------------|---|-----------|--------------------|-----------|--------------------|
| Casing (19.1" - 30")            |   | 0181-0793 |                    |           |                    |
| Casing (10.1" - 19.0")          | 350' - 13 3/8" 54.5# J-55 ST&C @ \$48/ft    | 0181-0794 | \$17,900           |           |                    |
| Casing (8.1" - 10.0")           | 2000' - 9 5/8" 36# J-55 LT&C @ \$38/ft      | 0181-0795 | \$81,200           |           |                    |
| Casing (6.1" - 8.0")            | 8400' - 7" 29# HCP-110 LT&C @ \$28.5/ft     | 0181-0796 | \$255,700          |           |                    |
| Casing (4.1" - 6.0")            | 10690' - 4 1/2" 13.5# P-110 BPN @ \$15.5/ft |           |                    | 0181-0797 | \$177,000          |
| Tubing                          | 8100' - 2 7/8" 6.5# L-80 Tbg @ \$13/ft      |           |                    | 0181-0798 | \$112,500          |
| Drilling Head                   |   | 0181-0860 | \$35,000           |           |                    |
| Tubing Head & Upper Section     |   |           |                    | 0181-0870 | \$30,000           |
| Horizontal Completion Tools     | Completion Liner Hanger                     |           |                    | 0181-0871 | \$50,000           |
| Sucker Rods                     |   |           |                    | 0181-0875 |                    |
| Subsurface Equipment            |   |           |                    | 0181-0880 | \$25,000           |
| Artificial Lift Systems         | ESP   |           |                    | 0181-0884 | \$100,000          |
| Pumping Unit                    |   |           |                    | 0181-0885 |                    |
| Surface Pumps & Prime Movers    | 1/2 VRU/SWD TP                              |           |                    | 0181-0886 | \$55,000           |
| Tanks - Oil                     | 1/2 of 8 - 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                            |           |                    | 0181-0895 | \$150,000          |
| Heater Treaters, Line Heaters   | 8'x20'x75# HT                               |           |                    | 0181-0897 | \$25,000           |
| Metering Equipment              |   |           |                    | 0181-0898 | \$15,000           |
| Line Pipe & Valves - Gathering  | 1/2 1 mile water                            |           |                    | 0181-0900 | \$30,000           |
| Fittings / Valves & Accessories |   |           |                    | 0181-0906 | \$160,000          |
| Cathodic Protection             | Automation                                  |           |                    | 0181-0908 | \$15,000           |
| Electrical Installation         |   |           |                    | 0181-0909 | \$93,750           |
| Equipment Installation          |   |           |                    | 0181-0910 | \$93,750           |
| Pipeline Construction           | 1/2 1 mile water                            |           |                    | 0181-0920 | \$40,000           |
| <b>TOTAL</b>                    |   |           | <b>\$389,800</b>   |           | <b>\$1,282,000</b> |
| <b>SUBTOTAL</b>                 |   |           | <b>\$2,979,200</b> |           | <b>\$5,278,960</b> |

**TOTAL WELL COST \$8,258,160**

**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: G. Edington Date: 10/1/2021

Company Approval: \_\_\_\_\_ Date: \_\_\_\_\_

Joint Owner Interest: \_\_\_\_\_ Amount: \_\_\_\_\_

Joint Owner Name: \_\_\_\_\_ Signature: \_\_\_\_\_

Revised: 01/31/2018

ATTACHMENT D

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. 21646 & 22647

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 top of the Wolfcamp formation (the base of the Third Bone Spring Sand). It shows that structure dips gently to the east-southeast. It also shows Bone Spring wells in the area, and a line of cross-section.
  - (b) Attachment B is a Third Bone Spring Sand Gross Thickness map.
  - (c) Attachment C is a cross section showing the Third Bone Spring Sand, the target zones for the proposed wells. The well logs on the cross-section give a representative sample of the Third Bone Spring Sand in this area. 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.
  - (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.

EXHIBIT 3

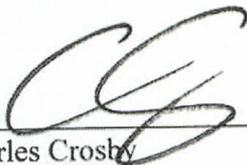
(d) There is no faulting or other geologic impediment in the area which will affect the drilling of the subject wells.

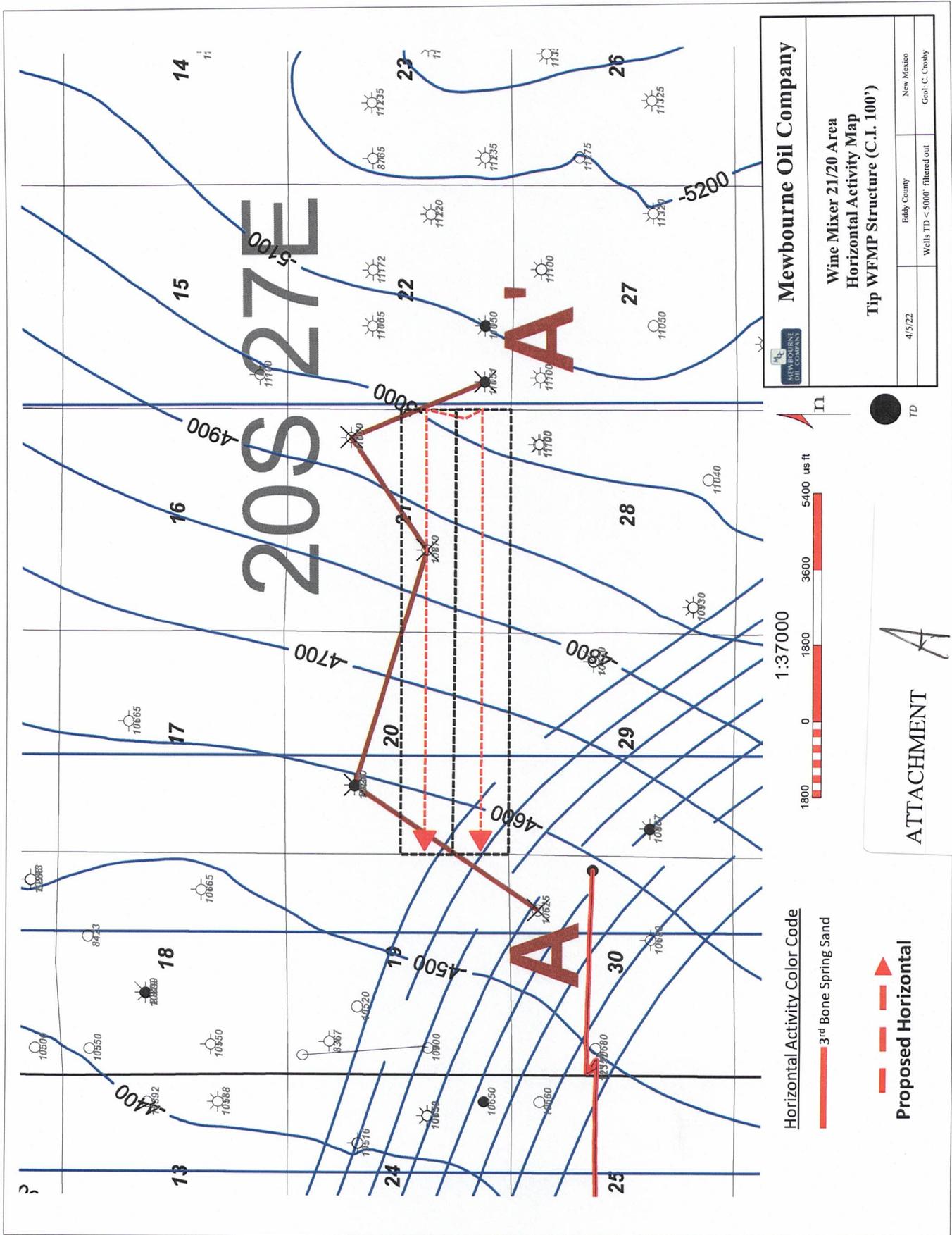
5. Attachment D contains information from other Third Bone Spring Sand wells drilled in this area. There are few wells on this area, but there is a preference for laydown wells.

6. Attachment E contains Survey Calculation Reports for the proposed wells. The producing interval of the wells will be orthodox.

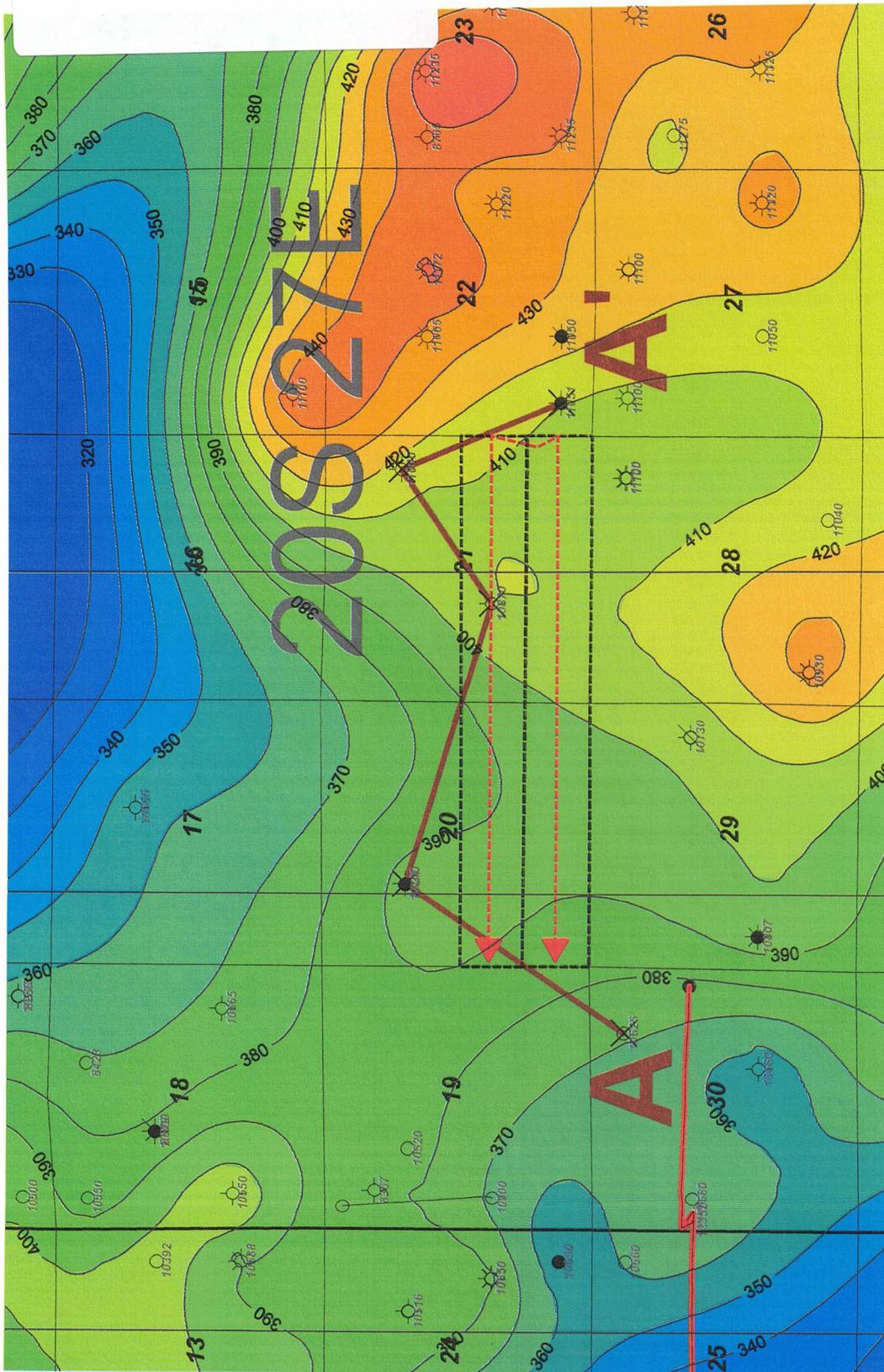
I understand that this Self-Affirmed Statement will be used as written testimony in these cases. I affirm that my testimony in paragraphs 1 through 6 above is true and correct and is made under penalty of perjury under the laws of the State of New Mexico. My testimony is made as of the date handwritten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

Date: 5/31/22

  
\_\_\_\_\_  
Charles Crosby



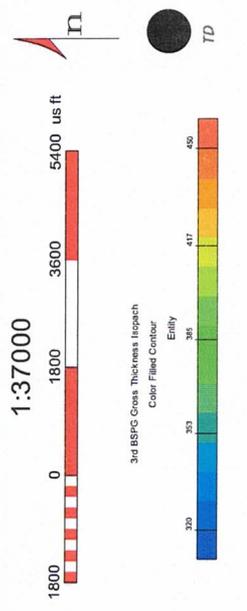
ATTACHMENT **B**



**Mewbourne Oil Company**

Wine Mixer 21/20 Area  
Horizontal Activity Map  
3rd BSPG SD Target Gross Thickness (C.I. 10')

|                               |             |                 |
|-------------------------------|-------------|-----------------|
| 4/5/22                        | Eddy County | New Mexico      |
| Wells TD < 5000' filtered out |             | Geol. C. Crosby |



Horizontal Activity Color Code

— 3rd Bone Spring Sand

Proposed Horizontal



Wine Mixer Area 3rd 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      |
|-------------------------|----------|----------------|-------------|-----------------|---------------|---------------|-----------------|-------|----------------------|
| Catalina 30 EH State 1H | Tascosa  | 30015476410000 | 30E/20S/27E | 3/29/2021       | 126.9         | 0.5           | 117.1           | EW    | 3rd Bone Spring Sand |
| Catalina 25 EH State 1H | Tascosa  | 30015487360000 | 30E/20S/27E | 11/22/2021      | 33.1          | 0.005         | 72.8            | EW    | 3rd Bone Spring Sand |

ATTACHMENT

D

### Mewbourne Oil Company

SURVEY CALCULATION REPORT  
Minimum Curvature Calculations

Operator: Mewbourne Oil Company  
Lease Name: Wine Mixer 21/20 B3U Fed Com 1H  
KOP 7623.04  
SL: 1100 FSL & 205 FEL; Sec 21P/20S/27E  
PBHL: 1980 FSL & 100 FWL; Sec 20L/20S/27E

Target KBTVD: 8,196 Feet 8196.00  
Target Angle: 92.46 Degrees 92.46  
Section Plane: 275.08 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        |           | DRIFT (RADIANS) | AZIMUTH (RADIANS) |
|------------|-------------------|--------------|----------------|---------------|------------|------------------|--------------|--------------|------------------|-------------------|------|------|--------|---------------|-----------|-----------------|-------------------|
|            |                   |              |                |               |            |                  |              |              |                  |                   |      |      |        | -Below Target | Target    |                 |                   |
| T/I        | 7623.04           | 0.00         | 275.08         | N/A           | 7623.0     | 0.0              | 0.0          | 0.0          | 0.0              | 0.0               | N/A  | N/A  | 7623.0 | 573.0         | 1E-12     | 4.80            | #VALUE!           |
| 1          | 7715.50           | 9.25         | 275.08         | 92.46         | 7715.1     | 7.4              | 0.7          | -7.4         | 7.4              | 275.1             | 10.0 | 10.0 | 7715.4 | 480.6         | 0.1613724 | 4.80            | 0.161372          |
| 2          | 7807.96           | 18.49        | 275.08         | 92.46         | 7804.8     | 29.6             | 2.6          | -29.5        | 29.6             | 275.1             | 10.0 | 10.0 | 7806.0 | 390.0         | 0.3227447 | 4.80            | 0.161372          |
| 3          | 7900.42           | 27.74        | 275.08         | 92.46         | 7889.7     | 65.8             | 5.8          | -65.6        | 65.8             | 275.1             | 10.0 | 10.0 | 7892.5 | 303.5         | 0.4841171 | 4.80            | 0.161372          |
| 4          | 7992.88           | 36.98        | 275.08         | 92.46         | 7967.7     | 115.3            | 10.2         | -114.8       | 115.3            | 275.1             | 10.0 | 10.0 | 7972.7 | 223.3         | 0.6454895 | 4.80            | 0.161372          |
| 5          | 8085.34           | 46.23        | 275.08         | 92.46         | 8036.8     | 176.6            | 15.6         | -175.9       | 176.6            | 275.1             | 10.0 | 10.0 | 8044.4 | 151.6         | 0.8068619 | 4.80            | 0.161372          |
| 6          | 8177.80           | 55.48        | 275.08         | 92.46         | 8095.1     | 248.2            | 22.0         | -247.3       | 248.2            | 275.1             | 10.0 | 10.0 | 8105.8 | 90.2          | 0.9682342 | 4.80            | 0.161372          |
| 7          | 8270.26           | 64.72        | 275.08         | 92.46         | 8141.1     | 328.3            | 29.1         | -327.0       | 328.3            | 275.1             | 10.0 | 10.0 | 8155.2 | 40.8          | 1.1296066 | 4.80            | 0.161372          |
| 8          | 8362.72           | 73.97        | 275.08         | 92.46         | 8173.7     | 414.7            | 36.7         | -413.1       | 414.7            | 275.1             | 10.0 | 10.0 | 8191.5 | 4.5           | 1.290979  | 4.80            | 0.161372          |
| 9          | 8455.18           | 83.21        | 275.08         | 92.46         | 8192.0     | 505.3            | 44.7         | -503.3       | 505.3            | 275.1             | 10.0 | 10.0 | 8213.7 | -17.7         | 1.4523514 | 4.80            | 0.161372          |
| 10         | 8547.64           | 92.46        | 275.08         | 92.46         | 8195.5     | 597.5            | 52.9         | -595.2       | 597.5            | 275.1             | 10.0 | 10.0 | 8221.1 | -25.1         | 1.6137237 | 4.80            | 0.161372          |
| 11         | 8600.00           | 92.46        | 275.08         | 52.362        | 8193.2     | 649.9            | 57.5         | -647.3       | 649.9            | 275.1             | 0.0  | 0.0  | 8221.1 | -25.1         | 1.6137237 | 4.80            | 1E-10             |
| 12         | 8700.00           | 92.46        | 275.08         | 100           | 8188.9     | 749.8            | 66.4         | -746.8       | 749.8            | 275.1             | 0.0  | 0.0  | 8221.1 | -25.1         | 1.6137237 | 4.80            | 1E-10             |
| 13         | 8800.00           | 92.46        | 275.08         | 100           | 8184.6     | 849.7            | 75.2         | -846.3       | 849.7            | 275.1             | 0.0  | 0.0  | 8221.1 | -25.1         | 1.6137237 | 4.80            | 1E-10             |
| 14         | 8900.00           | 92.46        | 275.08         | 100           | 8180.4     | 949.6            | 84.1         | -945.9       | 949.6            | 275.1             | 0.0  | 0.0  | 8221.1 | -25.1         | 1.6137237 | 4.80            | 1E-10             |
| 15         | 9000.00           | 92.46        | 275.08         | 100           | 8176.1     | 1049.5           | 92.9         | -1045.4      | 1049.5           | 275.1             | 0.0  | 0.0  | 8221.1 | -25.1         | 1.6137237 | 4.80            | 1E-10             |
| 16         | 9100.00           | 92.46        | 275.08         | 100           | 8171.8     | 1149.4           | 101.7        | -1144.9      | 1149.4           | 275.1             | 0.0  | 0.0  | 8221.1 | -25.1         | 1.6137237 | 4.80            | 1E-10             |
| 17         | 9200.00           | 92.46        | 275.08         | 100           | 8167.5     | 1249.3           | 110.6        | -1244.4      | 1249.3           | 275.1             | 0.0  | 0.0  | 8221.1 | -25.1         | 1.6137237 | 4.80            | 1E-10             |
| 18         | 9300.00           | 92.46        | 275.08         | 100           | 8163.2     | 1349.2           | 119.4        | -1343.9      | 1349.2           | 275.1             | 0.0  | 0.0  | 8221.1 | -25.1         | 1.6137237 | 4.80            | 1E-10             |
| 19         | 9400.00           | 92.46        | 275.08         | 100           | 8158.9     | 1449.1           | 128.3        | -1443.4      | 1449.1           | 275.1             | 0.0  | 0.0  | 8221.1 | -25.1         | 1.6137237 | 4.80            | 1E-10             |
| 20         | 9500.00           | 92.46        | 275.08         | 100           | 8154.6     | 1549.0           | 137.1        | -1543.0      | 1549.0           | 275.1             | 0.0  | 0.0  | 8221.1 | -25.1         | 1.6137237 | 4.80            | 1E-10             |
| 21         | 9600.00           | 92.46        | 275.08         | 100           | 8150.3     | 1648.9           | 146.0        | -1642.5      | 1648.9           | 275.1             | 0.0  | 0.0  | 8221.1 | -25.1         | 1.6137237 | 4.80            | 1E-10             |
| 22         | 9700.00           | 92.46        | 275.08         | 100           | 8146.0     | 1748.8           | 154.8        | -1742.0      | 1748.8           | 275.1             | 0.0  | 0.0  | 8221.1 | -25.1         | 1.6137237 | 4.80            | 1E-10             |
| 23         | 9800.00           | 92.46        | 275.08         | 100           | 8141.7     | 1848.8           | 163.6        | -1841.5      | 1848.8           | 275.1             | 0.0  | 0.0  | 8221.1 | -25.1         | 1.6137237 | 4.80            | 1E-10             |
| 24         | 9900.00           | 92.46        | 275.08         | 100           | 8137.4     | 1948.7           | 172.5        | -1941.0      | 1948.7           | 275.1             | 0.0  | 0.0  | 8221.1 | -25.1         | 1.6137237 | 4.80            | 1E-10             |
| 25         | 10000.00          | 92.46        | 275.08         | 100           | 8133.1     | 2048.6           | 181.3        | -2040.5      | 2048.6           | 275.1             | 0.0  | 0.0  | 8221.1 | -25.1         | 1.6137237 | 4.80            | 1E-10             |
| 26         | 10100.00          | 92.46        | 275.08         | 100           | 8128.9     | 2148.5           | 190.2        | -2140.0      | 2148.5           | 275.1             | 0.0  | 0.0  | 8221.1 | -25.1         | 1.6137237 | 4.80            | 1E-10             |
| 27         | 10200.00          | 92.46        | 275.08         | 100           | 8124.6     | 2248.4           | 199.0        | -2239.6      | 2248.4           | 275.1             | 0.0  | 0.0  | 8221.1 | -25.1         | 1.6137237 | 4.80            | 1E-10             |
| 28         | 10300.00          | 92.46        | 275.08         | 100           | 8120.3     | 2348.3           | 207.9        | -2339.1      | 2348.3           | 275.1             | 0.0  | 0.0  | 8221.1 | -25.1         | 1.6137237 | 4.80            | 1E-10             |
| 29         | 10400.00          | 92.46        | 275.08         | 100           | 8116.0     | 2448.2           | 216.7        | -2438.6      | 2448.2           | 275.1             | 0.0  | 0.0  | 8221.1 | -25.1         | 1.6137237 | 4.80            | 1E-10             |
| 30         | 10500.00          | 92.46        | 275.08         | 100           | 8111.7     | 2548.1           | 225.5        | -2538.1      | 2548.1           | 275.1             | 0.0  | 0.0  | 8221.1 | -25.1         | 1.6137237 | 4.80            | 1E-10             |
| 31         | 10600.00          | 92.46        | 275.08         | 100           | 8107.4     | 2648.0           | 234.4        | -2637.6      | 2648.0           | 275.1             | 0.0  | 0.0  | 8221.1 | -25.1         | 1.6137237 | 4.80            | 1E-10             |
| 32         | 10700.00          | 92.46        | 275.08         | 100           | 8103.1     | 2747.9           | 243.2        | -2737.1      | 2747.9           | 275.1             | 0.0  | 0.0  | 8221.1 | -25.1         | 1.6137237 | 4.80            | 1E-10             |
| 33         | 10800.00          | 92.46        | 275.08         | 100           | 8098.8     | 2847.8           | 252.1        | -2836.7      | 2847.8           | 275.1             | 0.0  | 0.0  | 8221.1 | -25.1         | 1.6137237 | 4.80            | 1E-10             |
| 34         | 10900.00          | 92.46        | 275.08         | 100           | 8094.5     | 2947.7           | 260.9        | -2936.2      | 2947.7           | 275.1             | 0.0  | 0.0  | 8221.1 | -25.1         | 1.6137237 | 4.80            | 1E-10             |
| 35         | 11000.00          | 92.46        | 275.08         | 100           | 8090.2     | 3047.6           | 269.8        | -3035.7      | 3047.6           | 275.1             | 0.0  | 0.0  | 8221.1 | -25.1         | 1.6137237 | 4.80            | 1E-10             |
| 36         | 11100.00          | 92.46        | 275.08         | 100           | 8085.9     | 3147.6           | 278.6        | -3135.2      | 3147.6           | 275.1             | 0.0  | 0.0  | 8221.1 | -25.1         | 1.6137237 | 4.80            | 1E-10             |
| 37         | 11200.00          | 92.46        | 275.08         | 100           | 8081.6     | 3247.5           | 287.5        | -3234.7      | 3247.5           | 275.1             | 0.0  | 0.0  | 8221.1 | -25.1         | 1.6137237 | 4.80            | 1E-10             |
| 38         | 11300.00          | 92.46        | 275.08         | 100           | 8077.4     | 3347.4           | 296.3        | -3334.2      | 3347.4           | 275.1             | 0.0  | 0.0  | 8221.1 | -25.1         | 1.6137237 | 4.80            | 1E-10             |
| 39         | 11400.00          | 92.46        | 275.08         | 100           | 8073.1     | 3447.3           | 305.1        | -3433.7      | 3447.3           | 275.1             | 0.0  | 0.0  | 8221.1 | -25.1         | 1.6137237 | 4.80            | 1E-10             |
| 40         | 11500.00          | 92.46        | 275.08         | 100           | 8068.8     | 3547.2           | 314.0        | -3533.3      | 3547.2           | 275.1             | 0.0  | 0.0  | 8221.1 | -25.1         | 1.6137237 | 4.80            | 1E-10             |
| 41         | 11600.00          | 92.46        | 275.08         | 100           | 8064.5     | 3647.1           | 322.8        | -3632.8      | 3647.1           | 275.1             | 0.0  | 0.0  | 8221.1 | -25.1         | 1.6137237 | 4.80            | 1E-10             |
| 42         | 11700.00          | 92.46        | 275.08         | 100           | 8060.2     | 3747.0           | 331.7        | -3732.3      | 3747.0           | 275.1             | 0.0  | 0.0  | 8221.1 | -25.1         | 1.6137237 | 4.80            | 1E-10             |
| 43         | 11800.00          | 92.46        | 275.08         | 100           | 8055.9     | 3846.9           | 340.5        | -3831.8      | 3846.9           | 275.1             | 0.0  | 0.0  | 8221.1 | -25.1         | 1.6137237 | 4.80            | 1E-10             |
| 44         | 11900.00          | 92.46        | 275.08         | 100           | 8051.6     | 3946.8           | 349.4        | -3931.3      | 3946.8           | 275.1             | 0.0  | 0.0  | 8221.1 | -25.1         | 1.6137237 | 4.80            | 1E-10             |
| 45         | 12000.00          | 92.46        | 275.08         | 100           | 8047.3     | 4046.7           | 358.2        | -4030.8      | 4046.7           | 275.1             | 0.0  | 0.0  | 8221.1 | -25.1         | 1.6137237 | 4.80            | 1E-10             |
| 46         | 12100.00          | 92.46        | 275.08         | 100           | 8043.0     | 4146.6           | 367.0        | -4130.4      | 4146.6           | 275.1             | 0.0  | 0.0  | 8221.1 | -25.1         | 1.6137237 | 4.80            | 1E-10             |
| 47         | 12200.00          | 92.46        | 275.08         | 100           | 8038.7     | 4246.5           | 375.9        | -4229.9      | 4246.5           | 275.1             | 0.0  | 0.0  | 8221.1 | -25.1         | 1.6137237 | 4.80            | 1E-10             |
| 48         | 12300.00          | 92.46        | 275.08         | 100           | 8034.4     | 4346.5           | 384.7        | -4329.4      | 4346.5           | 275.1             | 0.0  | 0.0  | 8221.1 | -25.1         | 1.6137237 | 4.80            | 1E-10             |
| 49         | 12400.00          | 92.46        | 275.08         | 100           | 8030.2     | 4446.4           | 393.6        | -4428.9      | 4446.4           | 275.1             | 0.0  | 0.0  | 8221.1 | -25.1         | 1.6137237 | 4.80            | 1E-10             |
| 50         | 12500.00          | 92.46        | 275.08         | 100           | 8025.9     | 4546.3           | 402.4        | -4528.4      | 4546.3           | 275.1             | 0.0  | 0.0  | 8221.1 | -25.1         | 1.6137237 | 4.80            | 1E-10             |
| 51         | 12600.00          | 92.46        | 275.08         | 100           | 8021.6     | 4646.2           | 411.3        | -4627.9      | 4646.2           | 275.1             | 0.0  | 0.0  | 8221.1 | -25.1         | 1.6137237 | 4.80            | 1E-10             |
| 52         | 12700.00          | 92.46        | 275.08         | 100           | 8017.3     | 4746.1           | 420.1        | -4727.5      | 4746.1           | 275.1             | 0.0  | 0.0  | 8221.1 | -25.1         | 1.6137237 | 4.80            | 1E-10             |
| 53         | 12800.00          | 92.46        | 275.08         | 100           | 8013.0     | 4846.0           | 428.9        | -4827.0      | 4846.0           | 275.1             | 0.0  | 0.0  | 8221.1 | -25.1         | 1.6137237 | 4.80            | 1E-10             |
| 54         | 12900.00          | 92.46        | 275.08         | 100           | 8008.7     | 4945.9           | 437.8        | -4926.5      | 4945.9           | 275.1             | 0.0  | 0.0  | 8221.1 | -25.1         | 1.6137237 | 4.80            | 1E-10             |
| 55         | 13000.00          | 92.46        | 275.08         | 100           | 8004.4     | 5045.8           | 446.6        | -5026.0      | 5045.8           | 275.1             | 0.0  | 0.0  | 8221.1 | -25.1         | 1.6137237 | 4.80            | 1E-10             |
| 56         | 13100.00          | 92.46        | 275.08         | 100           | 8000.1     | 5145.7           | 455.5        | -5125        |                  |                   |      |      |        |               |           |                 |                   |

|     |          |       |        |        |        |         |       |          |         |       |       |       |        |       |           |      |       |
|-----|----------|-------|--------|--------|--------|---------|-------|----------|---------|-------|-------|-------|--------|-------|-----------|------|-------|
| 57  | 13200.00 | 92.46 | 275.08 | 100    | 7995.8 | 5245.6  | 464.3 | -5225.0  | 5245.6  | 275.1 | 0.0   | 0.0   | 8221.1 | -25.1 | 1.6137237 | 4.80 | 1E-10 |
| 58  | 13300.00 | 92.46 | 275.08 | 100    | 7991.5 | 5345.5  | 473.2 | -5324.5  | 5345.5  | 275.1 | 0.0   | 0.0   | 8221.1 | -25.1 | 1.6137237 | 4.80 | 1E-10 |
| 59  | 13400.00 | 92.46 | 275.08 | 100    | 7987.2 | 5445.4  | 482.0 | -5424.1  | 5445.4  | 275.1 | 0.0   | 0.0   | 8221.1 | -25.1 | 1.6137237 | 4.80 | 1E-10 |
| 60  | 13500.00 | 92.46 | 275.08 | 100    | 7982.9 | 5545.3  | 490.9 | -5523.6  | 5545.3  | 275.1 | 0.0   | 0.0   | 8221.1 | -25.1 | 1.6137237 | 4.80 | 1E-10 |
| 61  | 13600.00 | 92.46 | 275.08 | 100    | 7978.7 | 5645.3  | 499.7 | -5623.1  | 5645.3  | 275.1 | 0.0   | 0.0   | 8221.1 | -25.1 | 1.6137237 | 4.80 | 1E-10 |
| 62  | 13700.00 | 92.46 | 275.08 | 100    | 7974.4 | 5745.2  | 508.5 | -5722.6  | 5745.2  | 275.1 | 0.0   | 0.0   | 8221.1 | -25.1 | 1.6137237 | 4.80 | 1E-10 |
| 63  | 13800.00 | 92.46 | 275.08 | 100    | 7970.1 | 5845.1  | 517.4 | -5822.1  | 5845.1  | 275.1 | 0.0   | 0.0   | 8221.1 | -25.1 | 1.6137237 | 4.80 | 1E-10 |
| 64  | 13900.00 | 92.46 | 275.08 | 100    | 7965.8 | 5945.0  | 526.2 | -5921.6  | 5945.0  | 275.1 | 0.0   | 0.0   | 8221.1 | -25.1 | 1.6137237 | 4.80 | 1E-10 |
| 65  | 14000.00 | 92.46 | 275.08 | 100    | 7961.5 | 6044.9  | 535.1 | -6021.2  | 6044.9  | 275.1 | 0.0   | 0.0   | 8221.1 | -25.1 | 1.6137237 | 4.80 | 1E-10 |
| 66  | 14100.00 | 92.46 | 275.08 | 100    | 7957.2 | 6144.8  | 543.9 | -6120.7  | 6144.8  | 275.1 | 0.0   | 0.0   | 8221.1 | -25.1 | 1.6137237 | 4.80 | 1E-10 |
| 67  | 14200.00 | 92.46 | 275.08 | 100    | 7952.9 | 6244.7  | 552.8 | -6220.2  | 6244.7  | 275.1 | 0.0   | 0.0   | 8221.1 | -25.1 | 1.6137237 | 4.80 | 1E-10 |
| 68  | 14300.00 | 92.46 | 275.08 | 100    | 7948.6 | 6344.6  | 561.6 | -6319.7  | 6344.6  | 275.1 | 0.0   | 0.0   | 8221.1 | -25.1 | 1.6137237 | 4.80 | 1E-10 |
| 69  | 14400.00 | 92.46 | 275.08 | 100    | 7944.3 | 6444.5  | 570.4 | -6419.2  | 6444.5  | 275.1 | 0.0   | 0.0   | 8221.1 | -25.1 | 1.6137237 | 4.80 | 1E-10 |
| 70  | 14500.00 | 92.46 | 275.08 | 100    | 7940.0 | 6544.4  | 579.3 | -6518.7  | 6544.4  | 275.1 | 0.0   | 0.0   | 8221.1 | -25.1 | 1.6137237 | 4.80 | 1E-10 |
| 71  | 14600.00 | 92.46 | 275.08 | 100    | 7935.7 | 6644.3  | 588.1 | -6618.3  | 6644.3  | 275.1 | 0.0   | 0.0   | 8221.1 | -25.1 | 1.6137237 | 4.80 | 1E-10 |
| 72  | 14700.00 | 92.46 | 275.08 | 100    | 7931.4 | 6744.2  | 597.0 | -6717.8  | 6744.2  | 275.1 | 0.0   | 0.0   | 8221.1 | -25.1 | 1.6137237 | 4.80 | 1E-10 |
| 73  | 14800.00 | 92.46 | 275.08 | 100    | 7927.2 | 6844.1  | 605.8 | -6817.3  | 6844.1  | 275.1 | 0.0   | 0.0   | 8221.1 | -25.1 | 1.6137237 | 4.80 | 1E-10 |
| 74  | 14900.00 | 92.46 | 275.08 | 100    | 7922.9 | 6944.1  | 614.7 | -6916.8  | 6944.1  | 275.1 | 0.0   | 0.0   | 8221.1 | -25.1 | 1.6137237 | 4.80 | 1E-10 |
| 75  | 15000.00 | 92.46 | 275.08 | 100    | 7918.6 | 7044.0  | 623.5 | -7016.3  | 7044.0  | 275.1 | 0.0   | 0.0   | 8221.1 | -25.1 | 1.6137237 | 4.80 | 1E-10 |
| 76  | 15100.00 | 92.46 | 275.08 | 100    | 7914.3 | 7143.9  | 632.3 | -7115.8  | 7143.9  | 275.1 | 0.0   | 0.0   | 8221.1 | -25.1 | 1.6137237 | 4.80 | 1E-10 |
| 77  | 15200.00 | 92.46 | 275.08 | 100    | 7910.0 | 7243.8  | 641.2 | -7215.3  | 7243.8  | 275.1 | 0.0   | 0.0   | 8221.1 | -25.1 | 1.6137237 | 4.80 | 1E-10 |
| 78  | 15300.00 | 92.46 | 275.08 | 100    | 7905.7 | 7343.7  | 650.0 | -7314.9  | 7343.7  | 275.1 | 0.0   | 0.0   | 8221.1 | -25.1 | 1.6137237 | 4.80 | 1E-10 |
| 79  | 15400.00 | 92.46 | 275.08 | 100    | 7901.4 | 7443.6  | 658.9 | -7414.4  | 7443.6  | 275.1 | 0.0   | 0.0   | 8221.1 | -25.1 | 1.6137237 | 4.80 | 1E-10 |
| 80  | 15500.00 | 92.46 | 275.08 | 100    | 7897.1 | 7543.5  | 667.7 | -7513.9  | 7543.5  | 275.1 | 0.0   | 0.0   | 8221.1 | -25.1 | 1.6137237 | 4.80 | 1E-10 |
| 81  | 15600.00 | 92.46 | 275.08 | 100    | 7892.8 | 7643.4  | 676.6 | -7613.4  | 7643.4  | 275.1 | 0.0   | 0.0   | 8221.1 | -25.1 | 1.6137237 | 4.80 | 1E-10 |
| 82  | 15700.00 | 92.46 | 275.08 | 100    | 7888.5 | 7743.3  | 685.4 | -7712.9  | 7743.3  | 275.1 | 0.0   | 0.0   | 8221.1 | -25.1 | 1.6137237 | 4.80 | 1E-10 |
| 83  | 15800.00 | 92.46 | 275.08 | 100    | 7884.2 | 7843.2  | 694.3 | -7812.4  | 7843.2  | 275.1 | 0.0   | 0.0   | 8221.1 | -25.1 | 1.6137237 | 4.80 | 1E-10 |
| 84  | 15900.00 | 92.46 | 275.08 | 100    | 7880.0 | 7943.1  | 703.1 | -7912.0  | 7943.1  | 275.1 | 0.0   | 0.0   | 8221.1 | -25.1 | 1.6137237 | 4.80 | 1E-10 |
| 85  | 16000.00 | 92.46 | 275.08 | 100    | 7875.7 | 8043.0  | 711.9 | -8011.5  | 8043.0  | 275.1 | 0.0   | 0.0   | 8221.1 | -25.1 | 1.6137237 | 4.80 | 1E-10 |
| 86  | 16100.00 | 92.46 | 275.08 | 100    | 7871.4 | 8143.0  | 720.8 | -8111.0  | 8143.0  | 275.1 | 0.0   | 0.0   | 8221.1 | -25.1 | 1.6137237 | 4.80 | 1E-10 |
| 87  | 16200.00 | 92.46 | 275.08 | 100    | 7867.1 | 8242.9  | 729.6 | -8210.5  | 8242.9  | 275.1 | 0.0   | 0.0   | 8221.1 | -25.1 | 1.6137237 | 4.80 | 1E-10 |
| 88  | 16300.00 | 92.46 | 275.08 | 100    | 7862.8 | 8342.8  | 738.5 | -8310.0  | 8342.8  | 275.1 | 0.0   | 0.0   | 8221.1 | -25.1 | 1.6137237 | 4.80 | 1E-10 |
| 89  | 16400.00 | 92.46 | 275.08 | 100    | 7858.5 | 8442.7  | 747.3 | -8409.5  | 8442.7  | 275.1 | 0.0   | 0.0   | 8221.1 | -25.1 | 1.6137237 | 4.80 | 1E-10 |
| 90  | 16500.00 | 92.46 | 275.08 | 100    | 7854.2 | 8542.6  | 756.2 | -8509.1  | 8542.6  | 275.1 | 0.0   | 0.0   | 8221.1 | -25.1 | 1.6137237 | 4.80 | 1E-10 |
| 91  | 16600.00 | 92.46 | 275.08 | 100    | 7849.9 | 8642.5  | 765.0 | -8608.6  | 8642.5  | 275.1 | 0.0   | 0.0   | 8221.1 | -25.1 | 1.6137237 | 4.80 | 1E-10 |
| 92  | 16700.00 | 92.46 | 275.08 | 100    | 7845.6 | 8742.4  | 773.8 | -8708.1  | 8742.4  | 275.1 | 0.0   | 0.0   | 8221.1 | -25.1 | 1.6137237 | 4.80 | 1E-10 |
| 93  | 16800.00 | 92.46 | 275.08 | 100    | 7841.3 | 8842.3  | 782.7 | -8807.6  | 8842.3  | 275.1 | 0.0   | 0.0   | 8221.1 | -25.1 | 1.6137237 | 4.80 | 1E-10 |
| 94  | 16900.00 | 92.46 | 275.08 | 100    | 7837.0 | 8942.2  | 791.5 | -8907.1  | 8942.2  | 275.1 | 0.0   | 0.0   | 8221.1 | -25.1 | 1.6137237 | 4.80 | 1E-10 |
| 95  | 17000.00 | 92.46 | 275.08 | 100    | 7832.7 | 9042.1  | 800.4 | -9006.6  | 9042.1  | 275.1 | 0.0   | 0.0   | 8221.1 | -25.1 | 1.6137237 | 4.80 | 1E-10 |
| 96  | 17100.00 | 92.46 | 275.08 | 100    | 7828.5 | 9142.0  | 809.2 | -9106.1  | 9142.0  | 275.1 | 0.0   | 0.0   | 8221.1 | -25.1 | 1.6137237 | 4.80 | 1E-10 |
| 97  | 17200.00 | 92.46 | 275.08 | 100    | 7824.2 | 9241.9  | 818.1 | -9205.7  | 9241.9  | 275.1 | 0.0   | 0.0   | 8221.1 | -25.1 | 1.6137237 | 4.80 | 1E-10 |
| 98  | 17300.00 | 92.46 | 275.08 | 100    | 7819.9 | 9341.8  | 826.9 | -9305.2  | 9341.8  | 275.1 | 0.0   | 0.0   | 8221.1 | -25.1 | 1.6137237 | 4.80 | 1E-10 |
| 99  | 17400.00 | 92.46 | 275.08 | 100    | 7815.6 | 9441.8  | 835.7 | -9404.7  | 9441.8  | 275.1 | 0.0   | 0.0   | 8221.1 | -25.1 | 1.6137237 | 4.80 | 1E-10 |
| 100 | 17500.00 | 92.46 | 275.08 | 100    | 7811.3 | 9541.7  | 844.6 | -9504.2  | 9541.7  | 275.1 | 0.0   | 0.0   | 8221.1 | -25.1 | 1.6137237 | 4.80 | 1E-10 |
| 101 | 17600.00 | 92.46 | 275.08 | 100    | 7807.0 | 9641.6  | 853.4 | -9603.7  | 9641.6  | 275.1 | 0.0   | 0.0   | 8221.1 | -25.1 | 1.6137237 | 4.80 | 1E-10 |
| 102 | 17700.00 | 92.46 | 275.08 | 100    | 7802.7 | 9741.5  | 862.3 | -9703.2  | 9741.5  | 275.1 | 0.0   | 0.0   | 8221.1 | -25.1 | 1.6137237 | 4.80 | 1E-10 |
| 103 | 17800.00 | 92.46 | 275.08 | 100    | 7798.4 | 9841.4  | 871.1 | -9802.8  | 9841.4  | 275.1 | 0.0   | 0.0   | 8221.1 | -25.1 | 1.6137237 | 4.80 | 1E-10 |
| 104 | 17900.00 | 92.46 | 275.08 | 100    | 7794.1 | 9941.3  | 880.0 | -9902.3  | 9941.3  | 275.1 | 0.0   | 0.0   | 8221.1 | -25.1 | 1.6137237 | 4.80 | 1E-10 |
| 105 | 18000.00 | 92.46 | 275.08 | 100    | 7789.8 | 10041.2 | 888.8 | -10001.8 | 10041.2 | 275.1 | 0.0   | 0.0   | 8221.1 | -25.1 | 1.6137237 | 4.80 | 1E-10 |
| 106 | 18100.00 | 92.46 | 275.08 | 100    | 7785.5 | 10141.1 | 897.7 | -10101.3 | 10141.1 | 275.1 | 0.0   | 0.0   | 8221.1 | -25.1 | 1.6137237 | 4.80 | 1E-10 |
| 107 | 18200.00 | 92.46 | 275.08 | 100    | 7781.2 | 10241.0 | 906.5 | -10200.8 | 10241.0 | 275.1 | 0.0   | 0.0   | 8221.1 | -25.1 | 1.6137237 | 4.80 | 1E-10 |
| 108 | 18254.44 | 92.46 | 275.08 | 54.439 | 7778.9 | 10295.4 | 911.3 | -10255.0 | 10295.4 | 275.1 | 0.0   | 0.0   | 8221.1 | -25.1 | 1.6137237 | 4.80 | 1E-10 |
| 109 | 18254.44 | 92.46 | 275.08 | 0      | 7778.9 | 10295.4 | 911.3 | -10255.0 | 10295.4 | 275.1 | ##### | ##### | 8221.1 | -25.1 | 1.6137237 | 4.80 | 1E-10 |

### Mewbourne Oil Company

SURVEY CALCULATION REPORT  
Minimum Curvature Calculations

Operator: Mewbourne Oil Company  
Lease Name: Wine Mixer 21/20 B3PM Fed Com 1H  
KOP 7670.04  
SL: 1080 FSL & 205 FEL; Sec 21P/20S/27E  
PBHL: 660 FSL & 100 FWL; Sec 20M/20S/27E

Target KBTVD: 8,243 Feet 8243.00  
Target Angle: 92.70 Degrees 92.70  
Section Plane: 267.83 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  | +Above |               | DRIFT (RADIANS) | AZIMUTH (RADIANS) |
|------------|-------------------|--------------|----------------|---------------|------------|------------------|--------------|--------------|------------------|-------------------|------|------|--------|---------------|-----------------|-------------------|
|            |                   |              |                |               |            |                  |              |              |                  |                   |      |      | KBTVD  | -Below Target |                 |                   |
| T/I        | 7670.04           | 0.00         | 267.83         | N/A           | 7670.0     | 0.0              | 0.0          | 0.0          | 0.0              | 0.0               | N/A  | N/A  | 7670.0 | 573.0         | 1E-12           | 4.67 #VALUE!      |
| 1          | 7762.75           | 9.27         | 267.83         | 92.704        | 7762.3     | 7.5              | -0.3         | -7.5         | 7.5              | 267.8             | 10.0 | 10.0 | 7762.7 | 480.3         | 0.1617986       | 4.67 0.161799     |
| 2          | 7855.45           | 18.54        | 267.83         | 92.704        | 7852.2     | 29.7             | -1.1         | -29.7        | 29.7             | 267.8             | 10.0 | 10.0 | 7853.6 | 389.4         | 0.3235971       | 4.67 0.161799     |
| 3          | 7948.15           | 27.81        | 267.83         | 92.704        | 7937.4     | 66.2             | -2.5         | -66.1        | 66.2             | 267.8             | 10.0 | 10.0 | 7940.5 | 302.5         | 0.4853957       | 4.67 0.161799     |
| 4          | 8040.86           | 37.08        | 267.83         | 92.704        | 8015.5     | 115.9            | -4.4         | -115.8       | 115.9            | 267.8             | 10.0 | 10.0 | 8021.0 | 222.0         | 0.6471942       | 4.67 0.161799     |
| 5          | 8133.56           | 46.35        | 267.83         | 92.704        | 8084.6     | 177.5            | -6.7         | -177.4       | 177.5            | 267.8             | 10.0 | 10.0 | 8093.0 | 150.0         | 0.8089928       | 4.67 0.161799     |
| 6          | 8226.26           | 55.62        | 267.83         | 92.704        | 8142.9     | 249.4            | -9.4         | -249.3       | 249.4            | 267.8             | 10.0 | 10.0 | 8154.7 | 88.3          | 0.9707913       | 4.67 0.161799     |
| 7          | 8318.97           | 64.89        | 267.83         | 92.704        | 8188.9     | 329.8            | -12.5        | -329.6       | 329.8            | 267.8             | 10.0 | 10.0 | 8204.4 | 38.6          | 1.1325899       | 4.67 0.161799     |
| 8          | 8411.67           | 74.16        | 267.83         | 92.704        | 8221.3     | 416.6            | -15.8        | -416.3       | 416.6            | 267.8             | 10.0 | 10.0 | 8240.9 | 2.1           | 1.2943884       | 4.67 0.161799     |
| 9          | 8504.38           | 83.43        | 267.83         | 92.704        | 8239.2     | 507.4            | -19.2        | -507.1       | 507.4            | 267.8             | 10.0 | 10.0 | 8263.2 | -20.2         | 1.456187        | 4.67 0.161799     |
| 10         | 8597.08           | 92.70        | 267.83         | 92.704        | 8242.4     | 600.0            | -22.7        | -599.6       | 600.0            | 267.8             | 10.0 | 10.0 | 8270.7 | -27.7         | 1.6179855       | 4.67 0.161799     |
| 11         | 8600.00           | 92.70        | 267.83         | 2.9204        | 8242.2     | 602.9            | -22.8        | -602.5       | 602.9            | 267.8             | 0.0  | 0.0  | 8270.7 | -27.7         | 1.6179855       | 4.67 1E-10        |
| 12         | 8700.00           | 92.70        | 267.83         | 100           | 8237.5     | 702.8            | -26.6        | -702.3       | 702.8            | 267.8             | 0.0  | 0.0  | 8270.7 | -27.7         | 1.6179855       | 4.67 1E-10        |
| 13         | 8800.00           | 92.70        | 267.83         | 100           | 8232.8     | 802.7            | -30.4        | -802.1       | 802.7            | 267.8             | 0.0  | 0.0  | 8270.7 | -27.7         | 1.6179855       | 4.67 1E-10        |
| 14         | 8900.00           | 92.70        | 267.83         | 100           | 8228.1     | 902.6            | -34.2        | -901.9       | 902.6            | 267.8             | 0.0  | 0.0  | 8270.7 | -27.7         | 1.6179855       | 4.67 1E-10        |
| 15         | 9000.00           | 92.70        | 267.83         | 100           | 8223.4     | 1002.5           | -38.0        | -1001.7      | 1002.5           | 267.8             | 0.0  | 0.0  | 8270.7 | -27.7         | 1.6179855       | 4.67 1E-10        |
| 16         | 9100.00           | 92.70        | 267.83         | 100           | 8218.6     | 1102.3           | -41.7        | -1101.6      | 1102.3           | 267.8             | 0.0  | 0.0  | 8270.7 | -27.7         | 1.6179855       | 4.67 1E-10        |
| 17         | 9200.00           | 92.70        | 267.83         | 100           | 8213.9     | 1202.2           | -45.5        | -1201.4      | 1202.2           | 267.8             | 0.0  | 0.0  | 8270.7 | -27.7         | 1.6179855       | 4.67 1E-10        |
| 18         | 9300.00           | 92.70        | 267.83         | 100           | 8209.2     | 1302.1           | -49.3        | -1301.2      | 1302.1           | 267.8             | 0.0  | 0.0  | 8270.7 | -27.7         | 1.6179855       | 4.67 1E-10        |
| 19         | 9400.00           | 92.70        | 267.83         | 100           | 8204.5     | 1402.0           | -53.1        | -1401.0      | 1402.0           | 267.8             | 0.0  | 0.0  | 8270.7 | -27.7         | 1.6179855       | 4.67 1E-10        |
| 20         | 9500.00           | 92.70        | 267.83         | 100           | 8199.8     | 1501.9           | -56.9        | -1500.8      | 1501.9           | 267.8             | 0.0  | 0.0  | 8270.7 | -27.7         | 1.6179855       | 4.67 1E-10        |
| 21         | 9600.00           | 92.70        | 267.83         | 100           | 8195.1     | 1601.8           | -60.7        | -1600.6      | 1601.8           | 267.8             | 0.0  | 0.0  | 8270.7 | -27.7         | 1.6179855       | 4.67 1E-10        |
| 22         | 9700.00           | 92.70        | 267.83         | 100           | 8190.3     | 1701.7           | -64.4        | -1700.5      | 1701.7           | 267.8             | 0.0  | 0.0  | 8270.7 | -27.7         | 1.6179855       | 4.67 1E-10        |
| 23         | 9800.00           | 92.70        | 267.83         | 100           | 8185.6     | 1801.6           | -68.2        | -1800.3      | 1801.6           | 267.8             | 0.0  | 0.0  | 8270.7 | -27.7         | 1.6179855       | 4.67 1E-10        |
| 24         | 9900.00           | 92.70        | 267.83         | 100           | 8180.9     | 1901.5           | -72.0        | -1900.1      | 1901.5           | 267.8             | 0.0  | 0.0  | 8270.7 | -27.7         | 1.6179855       | 4.67 1E-10        |
| 25         | 10000.00          | 92.70        | 267.83         | 100           | 8176.2     | 2001.3           | -75.8        | -1999.9      | 2001.3           | 267.8             | 0.0  | 0.0  | 8270.7 | -27.7         | 1.6179855       | 4.67 1E-10        |
| 26         | 10100.00          | 92.70        | 267.83         | 100           | 8171.5     | 2101.2           | -79.6        | -2099.7      | 2101.2           | 267.8             | 0.0  | 0.0  | 8270.7 | -27.7         | 1.6179855       | 4.67 1E-10        |
| 27         | 10200.00          | 92.70        | 267.83         | 100           | 8166.7     | 2201.1           | -83.3        | -2199.5      | 2201.1           | 267.8             | 0.0  | 0.0  | 8270.7 | -27.7         | 1.6179855       | 4.67 1E-10        |
| 28         | 10300.00          | 92.70        | 267.83         | 100           | 8162.0     | 2301.0           | -87.1        | -2299.4      | 2301.0           | 267.8             | 0.0  | 0.0  | 8270.7 | -27.7         | 1.6179855       | 4.67 1E-10        |
| 29         | 10400.00          | 92.70        | 267.83         | 100           | 8157.3     | 2400.9           | -90.9        | -2399.2      | 2400.9           | 267.8             | 0.0  | 0.0  | 8270.7 | -27.7         | 1.6179855       | 4.67 1E-10        |
| 30         | 10500.00          | 92.70        | 267.83         | 100           | 8152.6     | 2500.8           | -94.7        | -2499.0      | 2500.8           | 267.8             | 0.0  | 0.0  | 8270.7 | -27.7         | 1.6179855       | 4.67 1E-10        |
| 31         | 10600.00          | 92.70        | 267.83         | 100           | 8147.9     | 2600.7           | -98.5        | -2598.8      | 2600.7           | 267.8             | 0.0  | 0.0  | 8270.7 | -27.7         | 1.6179855       | 4.67 1E-10        |
| 32         | 10700.00          | 92.70        | 267.83         | 100           | 8143.2     | 2700.6           | -102.3       | -2698.6      | 2700.6           | 267.8             | 0.0  | 0.0  | 8270.7 | -27.7         | 1.6179855       | 4.67 1E-10        |
| 33         | 10800.00          | 92.70        | 267.83         | 100           | 8138.4     | 2800.5           | -106.0       | -2798.4      | 2800.5           | 267.8             | 0.0  | 0.0  | 8270.7 | -27.7         | 1.6179855       | 4.67 1E-10        |
| 34         | 10900.00          | 92.70        | 267.83         | 100           | 8133.7     | 2900.3           | -109.8       | -2898.3      | 2900.3           | 267.8             | 0.0  | 0.0  | 8270.7 | -27.7         | 1.6179855       | 4.67 1E-10        |
| 35         | 11000.00          | 92.70        | 267.83         | 100           | 8129.0     | 3000.2           | -113.6       | -2998.1      | 3000.2           | 267.8             | 0.0  | 0.0  | 8270.7 | -27.7         | 1.6179855       | 4.67 1E-10        |
| 36         | 11100.00          | 92.70        | 267.83         | 100           | 8124.3     | 3100.1           | -117.4       | -3097.9      | 3100.1           | 267.8             | 0.0  | 0.0  | 8270.7 | -27.7         | 1.6179855       | 4.67 1E-10        |
| 37         | 11200.00          | 92.70        | 267.83         | 100           | 8119.6     | 3200.0           | -121.2       | -3197.7      | 3200.0           | 267.8             | 0.0  | 0.0  | 8270.7 | -27.7         | 1.6179855       | 4.67 1E-10        |
| 38         | 11300.00          | 92.70        | 267.83         | 100           | 8114.9     | 3299.9           | -125.0       | -3297.5      | 3299.9           | 267.8             | 0.0  | 0.0  | 8270.7 | -27.7         | 1.6179855       | 4.67 1E-10        |
| 39         | 11400.00          | 92.70        | 267.83         | 100           | 8110.1     | 3399.8           | -128.7       | -3397.3      | 3399.8           | 267.8             | 0.0  | 0.0  | 8270.7 | -27.7         | 1.6179855       | 4.67 1E-10        |
| 40         | 11500.00          | 92.70        | 267.83         | 100           | 8105.4     | 3499.7           | -132.5       | -3497.2      | 3499.7           | 267.8             | 0.0  | 0.0  | 8270.7 | -27.7         | 1.6179855       | 4.67 1E-10        |
| 41         | 11600.00          | 92.70        | 267.83         | 100           | 8100.7     | 3599.6           | -136.3       | -3597.0      | 3599.6           | 267.8             | 0.0  | 0.0  | 8270.7 | -27.7         | 1.6179855       | 4.67 1E-10        |
| 42         | 11700.00          | 92.70        | 267.83         | 100           | 8096.0     | 3699.5           | -140.1       | -3696.8      | 3699.5           | 267.8             | 0.0  | 0.0  | 8270.7 | -27.7         | 1.6179855       | 4.67 1E-10        |
| 43         | 11800.00          | 92.70        | 267.83         | 100           | 8091.3     | 3799.3           | -143.9       | -3796.6      | 3799.3           | 267.8             | 0.0  | 0.0  | 8270.7 | -27.7         | 1.6179855       | 4.67 1E-10        |
| 44         | 11900.00          | 92.70        | 267.83         | 100           | 8086.6     | 3899.2           | -147.6       | -3896.4      | 3899.2           | 267.8             | 0.0  | 0.0  | 8270.7 | -27.7         | 1.6179855       | 4.67 1E-10        |
| 45         | 12000.00          | 92.70        | 267.83         | 100           | 8081.8     | 3999.1           | -151.4       | -3996.2      | 3999.1           | 267.8             | 0.0  | 0.0  | 8270.7 | -27.7         | 1.6179855       | 4.67 1E-10        |
| 46         | 12100.00          | 92.70        | 267.83         | 100           | 8077.1     | 4099.0           | -155.2       | -4096.1      | 4099.0           | 267.8             | 0.0  | 0.0  | 8270.7 | -27.7         | 1.6179855       | 4.67 1E-10        |
| 47         | 12200.00          | 92.70        | 267.83         | 100           | 8072.4     | 4198.9           | -159.0       | -4195.9      | 4198.9           | 267.8             | 0.0  | 0.0  | 8270.7 | -27.7         | 1.6179855       | 4.67 1E-10        |
| 48         | 12300.00          | 92.70        | 267.83         | 100           | 8067.7     | 4298.8           | -162.8       | -4295.7      | 4298.8           | 267.8             | 0.0  | 0.0  | 8270.7 | -27.7         | 1.6179855       | 4.67 1E-10        |
| 49         | 12400.00          | 92.70        | 267.83         | 100           | 8063.0     | 4398.7           | -166.6       | -4395.5      | 4398.7           | 267.8             | 0.0  | 0.0  | 8270.7 | -27.7         | 1.6179855       | 4.67 1E-10        |
| 50         | 12500.00          | 92.70        | 267.83         | 100           | 8058.3     | 4498.6           | -170.3       | -4495.3      | 4498.6           | 267.8             | 0.0  | 0.0  | 8270.7 | -27.7         | 1.6179855       | 4.67 1E-10        |
| 51         | 12600.00          | 92.70        | 267.83         | 100           | 8053.5     | 4598.4           | -174.1       | -4595.2      | 4598.4           | 267.8             | 0.0  | 0.0  | 8270.7 | -27.7         | 1.6179855       | 4.67 1E-10        |
| 52         | 12700.00          | 92.70        | 267.83         | 100           | 8048.8     | 4698.3           | -177.9       | -4695.0      | 4698.3           | 267.8             | 0.0  | 0.0  | 8270.7 | -27.7         | 1.6179855       | 4.67 1E-10        |
| 53         | 12800.00          | 92.70        | 267.83         | 100           | 8044.1     | 4798.2           | -181.7       | -4794.8      | 4798.2           | 267.8             | 0.0  | 0.0  | 8270.7 | -27.7         | 1.6179855       | 4.67 1E-10        |
| 54         | 12900.00          | 92.70        | 267.83         | 100           | 8039.4     | 4898.1           | -185.5       | -4894.6      | 4898.1           | 267.8             | 0.0  | 0.0  | 8270.7 | -27.7         | 1.6179855       | 4.67 1E-10        |
| 55         | 13000.00          | 92.70        | 267.83         | 100           | 8034.7     | 4998.0           | -189.3       | -4994.4      | 4998.0           | 267.8             | 0.0  | 0.0  | 8270.7 | -27.7         | 1.6179855       | 4.67 1E-10        |
| 56         | 13100.00          | 92.70        | 267.83         | 100           | 8030.0     | 5097.9           | -193.0       | -5094.2      | 5097.9           | 267.8             | 0.0  | 0.0  | 8270.7 | -27.7         | 1.6179855       | 4.67 1E-10        |

|     |          |       |        |        |        |         |        |          |         |       |       |       |        |       |           |      |       |
|-----|----------|-------|--------|--------|--------|---------|--------|----------|---------|-------|-------|-------|--------|-------|-----------|------|-------|
| 57  | 13200.00 | 92.70 | 267.83 | 100    | 8025.2 | 5197.8  | -196.8 | -5194.1  | 5197.8  | 267.8 | 0.0   | 0.0   | 8270.7 | -27.7 | 1.6179855 | 4.67 | 1E-10 |
| 58  | 13300.00 | 92.70 | 267.83 | 100    | 8020.5 | 5297.7  | -200.6 | -5293.9  | 5297.7  | 267.8 | 0.0   | 0.0   | 8270.7 | -27.7 | 1.6179855 | 4.67 | 1E-10 |
| 59  | 13400.00 | 92.70 | 267.83 | 100    | 8015.8 | 5397.6  | -204.4 | -5393.7  | 5397.6  | 267.8 | 0.0   | 0.0   | 8270.7 | -27.7 | 1.6179855 | 4.67 | 1E-10 |
| 60  | 13500.00 | 92.70 | 267.83 | 100    | 8011.1 | 5497.4  | -208.2 | -5493.5  | 5497.4  | 267.8 | 0.0   | 0.0   | 8270.7 | -27.7 | 1.6179855 | 4.67 | 1E-10 |
| 61  | 13600.00 | 92.70 | 267.83 | 100    | 8006.4 | 5597.3  | -211.9 | -5593.3  | 5597.3  | 267.8 | 0.0   | 0.0   | 8270.7 | -27.7 | 1.6179855 | 4.67 | 1E-10 |
| 62  | 13700.00 | 92.70 | 267.83 | 100    | 8001.6 | 5697.2  | -215.7 | -5693.1  | 5697.2  | 267.8 | 0.0   | 0.0   | 8270.7 | -27.7 | 1.6179855 | 4.67 | 1E-10 |
| 63  | 13800.00 | 92.70 | 267.83 | 100    | 7996.9 | 5797.1  | -219.5 | -5793.0  | 5797.1  | 267.8 | 0.0   | 0.0   | 8270.7 | -27.7 | 1.6179855 | 4.67 | 1E-10 |
| 64  | 13900.00 | 92.70 | 267.83 | 100    | 7992.2 | 5897.0  | -223.3 | -5892.8  | 5897.0  | 267.8 | 0.0   | 0.0   | 8270.7 | -27.7 | 1.6179855 | 4.67 | 1E-10 |
| 65  | 14000.00 | 92.70 | 267.83 | 100    | 7987.5 | 5996.9  | -227.1 | -5992.6  | 5996.9  | 267.8 | 0.0   | 0.0   | 8270.7 | -27.7 | 1.6179855 | 4.67 | 1E-10 |
| 66  | 14100.00 | 92.70 | 267.83 | 100    | 7982.8 | 6096.8  | -230.9 | -6092.4  | 6096.8  | 267.8 | 0.0   | 0.0   | 8270.7 | -27.7 | 1.6179855 | 4.67 | 1E-10 |
| 67  | 14200.00 | 92.70 | 267.83 | 100    | 7978.1 | 6196.7  | -234.6 | -6192.2  | 6196.7  | 267.8 | 0.0   | 0.0   | 8270.7 | -27.7 | 1.6179855 | 4.67 | 1E-10 |
| 68  | 14300.00 | 92.70 | 267.83 | 100    | 7973.3 | 6296.6  | -238.4 | -6292.0  | 6296.6  | 267.8 | 0.0   | 0.0   | 8270.7 | -27.7 | 1.6179855 | 4.67 | 1E-10 |
| 69  | 14400.00 | 92.70 | 267.83 | 100    | 7968.6 | 6396.4  | -242.2 | -6391.9  | 6396.4  | 267.8 | 0.0   | 0.0   | 8270.7 | -27.7 | 1.6179855 | 4.67 | 1E-10 |
| 70  | 14500.00 | 92.70 | 267.83 | 100    | 7963.9 | 6496.3  | -246.0 | -6491.7  | 6496.3  | 267.8 | 0.0   | 0.0   | 8270.7 | -27.7 | 1.6179855 | 4.67 | 1E-10 |
| 71  | 14600.00 | 92.70 | 267.83 | 100    | 7959.2 | 6596.2  | -249.8 | -6591.5  | 6596.2  | 267.8 | 0.0   | 0.0   | 8270.7 | -27.7 | 1.6179855 | 4.67 | 1E-10 |
| 72  | 14700.00 | 92.70 | 267.83 | 100    | 7954.5 | 6696.1  | -253.6 | -6691.3  | 6696.1  | 267.8 | 0.0   | 0.0   | 8270.7 | -27.7 | 1.6179855 | 4.67 | 1E-10 |
| 73  | 14800.00 | 92.70 | 267.83 | 100    | 7949.8 | 6796.0  | -257.3 | -6791.1  | 6796.0  | 267.8 | 0.0   | 0.0   | 8270.7 | -27.7 | 1.6179855 | 4.67 | 1E-10 |
| 74  | 14900.00 | 92.70 | 267.83 | 100    | 7945.0 | 6895.9  | -261.1 | -6890.9  | 6895.9  | 267.8 | 0.0   | 0.0   | 8270.7 | -27.7 | 1.6179855 | 4.67 | 1E-10 |
| 75  | 15000.00 | 92.70 | 267.83 | 100    | 7940.3 | 6995.8  | -264.9 | -6990.8  | 6995.8  | 267.8 | 0.0   | 0.0   | 8270.7 | -27.7 | 1.6179855 | 4.67 | 1E-10 |
| 76  | 15100.00 | 92.70 | 267.83 | 100    | 7935.6 | 7095.7  | -268.7 | -7090.6  | 7095.7  | 267.8 | 0.0   | 0.0   | 8270.7 | -27.7 | 1.6179855 | 4.67 | 1E-10 |
| 77  | 15200.00 | 92.70 | 267.83 | 100    | 7930.9 | 7195.6  | -272.5 | -7190.4  | 7195.6  | 267.8 | 0.0   | 0.0   | 8270.7 | -27.7 | 1.6179855 | 4.67 | 1E-10 |
| 78  | 15300.00 | 92.70 | 267.83 | 100    | 7926.2 | 7295.4  | -276.2 | -7290.2  | 7295.4  | 267.8 | 0.0   | 0.0   | 8270.7 | -27.7 | 1.6179855 | 4.67 | 1E-10 |
| 79  | 15400.00 | 92.70 | 267.83 | 100    | 7921.5 | 7395.3  | -280.0 | -7390.0  | 7395.3  | 267.8 | 0.0   | 0.0   | 8270.7 | -27.7 | 1.6179855 | 4.67 | 1E-10 |
| 80  | 15500.00 | 92.70 | 267.83 | 100    | 7916.7 | 7495.2  | -283.8 | -7489.8  | 7495.2  | 267.8 | 0.0   | 0.0   | 8270.7 | -27.7 | 1.6179855 | 4.67 | 1E-10 |
| 81  | 15600.00 | 92.70 | 267.83 | 100    | 7912.0 | 7595.1  | -287.6 | -7589.7  | 7595.1  | 267.8 | 0.0   | 0.0   | 8270.7 | -27.7 | 1.6179855 | 4.67 | 1E-10 |
| 82  | 15700.00 | 92.70 | 267.83 | 100    | 7907.3 | 7695.0  | -291.4 | -7689.5  | 7695.0  | 267.8 | 0.0   | 0.0   | 8270.7 | -27.7 | 1.6179855 | 4.67 | 1E-10 |
| 83  | 15800.00 | 92.70 | 267.83 | 100    | 7902.6 | 7794.9  | -295.2 | -7789.3  | 7794.9  | 267.8 | 0.0   | 0.0   | 8270.7 | -27.7 | 1.6179855 | 4.67 | 1E-10 |
| 84  | 15900.00 | 92.70 | 267.83 | 100    | 7897.9 | 7894.8  | -299.0 | -7889.1  | 7894.8  | 267.8 | 0.0   | 0.0   | 8270.7 | -27.7 | 1.6179855 | 4.67 | 1E-10 |
| 85  | 16000.00 | 92.70 | 267.83 | 100    | 7893.2 | 7994.7  | -302.7 | -7988.9  | 7994.7  | 267.8 | 0.0   | 0.0   | 8270.7 | -27.7 | 1.6179855 | 4.67 | 1E-10 |
| 86  | 16100.00 | 92.70 | 267.83 | 100    | 7888.4 | 8094.6  | -306.5 | -8088.7  | 8094.6  | 267.8 | 0.0   | 0.0   | 8270.7 | -27.7 | 1.6179855 | 4.67 | 1E-10 |
| 87  | 16200.00 | 92.70 | 267.83 | 100    | 7883.7 | 8194.4  | -310.3 | -8188.6  | 8194.4  | 267.8 | 0.0   | 0.0   | 8270.7 | -27.7 | 1.6179855 | 4.67 | 1E-10 |
| 88  | 16300.00 | 92.70 | 267.83 | 100    | 7879.0 | 8294.3  | -314.1 | -8288.4  | 8294.3  | 267.8 | 0.0   | 0.0   | 8270.7 | -27.7 | 1.6179855 | 4.67 | 1E-10 |
| 89  | 16400.00 | 92.70 | 267.83 | 100    | 7874.3 | 8394.2  | -317.9 | -8388.2  | 8394.2  | 267.8 | 0.0   | 0.0   | 8270.7 | -27.7 | 1.6179855 | 4.67 | 1E-10 |
| 90  | 16500.00 | 92.70 | 267.83 | 100    | 7869.6 | 8494.1  | -321.6 | -8488.0  | 8494.1  | 267.8 | 0.0   | 0.0   | 8270.7 | -27.7 | 1.6179855 | 4.67 | 1E-10 |
| 91  | 16600.00 | 92.70 | 267.83 | 100    | 7864.9 | 8594.0  | -325.4 | -8587.8  | 8594.0  | 267.8 | 0.0   | 0.0   | 8270.7 | -27.7 | 1.6179855 | 4.67 | 1E-10 |
| 92  | 16700.00 | 92.70 | 267.83 | 100    | 7860.1 | 8693.9  | -329.2 | -8687.7  | 8693.9  | 267.8 | 0.0   | 0.0   | 8270.7 | -27.7 | 1.6179855 | 4.67 | 1E-10 |
| 93  | 16800.00 | 92.70 | 267.83 | 100    | 7855.4 | 8793.8  | -333.0 | -8787.5  | 8793.8  | 267.8 | 0.0   | 0.0   | 8270.7 | -27.7 | 1.6179855 | 4.67 | 1E-10 |
| 94  | 16900.00 | 92.70 | 267.83 | 100    | 7850.7 | 8893.7  | -336.8 | -8887.3  | 8893.7  | 267.8 | 0.0   | 0.0   | 8270.7 | -27.7 | 1.6179855 | 4.67 | 1E-10 |
| 95  | 17000.00 | 92.70 | 267.83 | 100    | 7846.0 | 8993.6  | -340.5 | -8987.1  | 8993.6  | 267.8 | 0.0   | 0.0   | 8270.7 | -27.7 | 1.6179855 | 4.67 | 1E-10 |
| 96  | 17100.00 | 92.70 | 267.83 | 100    | 7841.3 | 9093.4  | -344.3 | -9086.9  | 9093.4  | 267.8 | 0.0   | 0.0   | 8270.7 | -27.7 | 1.6179855 | 4.67 | 1E-10 |
| 97  | 17200.00 | 92.70 | 267.83 | 100    | 7836.5 | 9193.3  | -348.1 | -9186.7  | 9193.3  | 267.8 | 0.0   | 0.0   | 8270.7 | -27.7 | 1.6179855 | 4.67 | 1E-10 |
| 98  | 17300.00 | 92.70 | 267.83 | 100    | 7831.8 | 9293.2  | -351.9 | -9286.6  | 9293.2  | 267.8 | 0.0   | 0.0   | 8270.7 | -27.7 | 1.6179855 | 4.67 | 1E-10 |
| 99  | 17400.00 | 92.70 | 267.83 | 100    | 7827.1 | 9393.1  | -355.7 | -9386.4  | 9393.1  | 267.8 | 0.0   | 0.0   | 8270.7 | -27.7 | 1.6179855 | 4.67 | 1E-10 |
| 100 | 17500.00 | 92.70 | 267.83 | 100    | 7822.4 | 9493.0  | -359.5 | -9486.2  | 9493.0  | 267.8 | 0.0   | 0.0   | 8270.7 | -27.7 | 1.6179855 | 4.67 | 1E-10 |
| 101 | 17600.00 | 92.70 | 267.83 | 100    | 7817.7 | 9592.9  | -363.2 | -9586.0  | 9592.9  | 267.8 | 0.0   | 0.0   | 8270.7 | -27.7 | 1.6179855 | 4.67 | 1E-10 |
| 102 | 17700.00 | 92.70 | 267.83 | 100    | 7813.0 | 9692.8  | -367.0 | -9685.8  | 9692.8  | 267.8 | 0.0   | 0.0   | 8270.7 | -27.7 | 1.6179855 | 4.67 | 1E-10 |
| 103 | 17800.00 | 92.70 | 267.83 | 100    | 7808.2 | 9792.7  | -370.8 | -9785.6  | 9792.7  | 267.8 | 0.0   | 0.0   | 8270.7 | -27.7 | 1.6179855 | 4.67 | 1E-10 |
| 104 | 17900.00 | 92.70 | 267.83 | 100    | 7803.5 | 9892.5  | -374.6 | -9885.5  | 9892.5  | 267.8 | 0.0   | 0.0   | 8270.7 | -27.7 | 1.6179855 | 4.67 | 1E-10 |
| 105 | 18000.00 | 92.70 | 267.83 | 100    | 7798.8 | 9992.4  | -378.4 | -9985.3  | 9992.4  | 267.8 | 0.0   | 0.0   | 8270.7 | -27.7 | 1.6179855 | 4.67 | 1E-10 |
| 106 | 18100.00 | 92.70 | 267.83 | 100    | 7794.1 | 10092.3 | -382.2 | -10085.1 | 10092.3 | 267.8 | 0.0   | 0.0   | 8270.7 | -27.7 | 1.6179855 | 4.67 | 1E-10 |
| 107 | 18200.00 | 92.70 | 267.83 | 100    | 7789.4 | 10192.2 | -385.9 | -10184.9 | 10192.2 | 267.8 | 0.0   | 0.0   | 8270.7 | -27.7 | 1.6179855 | 4.67 | 1E-10 |
| 108 | 18268.46 | 92.70 | 267.83 | 68.461 | 7786.1 | 10260.6 | -388.5 | -10253.2 | 10260.6 | 267.8 | 0.0   | 0.0   | 8270.7 | -27.7 | 1.6179855 | 4.67 | 1E-10 |
| 109 | 18268.46 | 92.70 | 267.83 | 0      | 7786.1 | 10260.6 | -388.5 | -10253.2 | 10260.6 | 267.8 | ##### | ##### | 8270.7 | -27.7 | 1.6179855 | 4.67 | 1E-10 |

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. 22647

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 application filed herein.
4. Notice of the application 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: 6/14/22

James Bruce  
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)

[jamesbruc@aol.com](mailto:jamesbruc@aol.com)

May 26, 2022

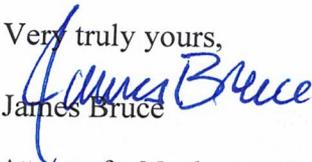
CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Ladies and gentlemen:

Enclosed is a copy of an application for compulsory pooling (Case No. 22647), filed with the New Mexico Oil Conservation Division by Mewbourne Oil Company, seeking to pool all uncommitted mineral interest owners 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 20, Township 20 South, Range 27 East, NMPM. The unit will be dedicated to the Wine Mixer 21/20 B3PM Fed. Com. Well No. 1H.

This matter is scheduled for hearing at 8:15 a.m. on Thursday, June 16, 2022. 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](http://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 application, you may appear and present testimony. Failure to appear at that time and become a party of record will preclude you from contesting this matter 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 five business days before the hearing date. This statement may be filed online with the Division at [ocd.hearings@state.nm.us](mailto:ocd.hearings@state.nm.us), and should include: The name 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 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

ATTACHMENT

A

EXHIBIT A

**Wine Mixer 21/20 B3PM Federal Com #1H**

Thomas R. Smith  
1409 South County Road 1130  
Midland, Texas 79706

OXY USA WTP LP  
5 Greenway Plaza, Suite 110  
Houston, Texas 77046

Fasken Land & Minerals, Ltd.  
6101 Holiday Hill Road  
Midland, Texas 79707

Strategic Energy Income Fund IV, LP  
1521 North Cooper Street, Suite 700  
Arlington, Texas 76011

Frank Suttles  
PO Box 10725  
Midland, TX 79702

Jane Ramsland Oil and Gas Partnership  
P. O. Box 10505  
Midland, Texas 79702

Bahnhof Holdings, LP  
P. O. Box 10505  
Midland, Texas 79702

Claudia R. Burch  
P. O. Box 10505  
Midland, Texas 79702

Elizabeth R. Robinson  
P. O. Box 10505  
Midland, Texas 79702

Tascosa Energy Partners, LLC  
901 West Missouri Avenue  
Midland, Texas 79701

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

For delivery information, visit our website at [www.usps.com](http://www.usps.com)

**OFFICIAL USE**

Certified Mail Fee \$ \_\_\_\_\_

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

Return Receipt (hardcopy) \$ \_\_\_\_\_

Return Receipt (electronic) \$ \_\_\_\_\_

Certified Mail Restricted Delivery \$ \_\_\_\_\_

Adult Signature Required \$ \_\_\_\_\_

Adult Signature Restricted Delivery \$ \_\_\_\_\_

Postage \$ \_\_\_\_\_

**Total Postage and Fees** \$ \_\_\_\_\_

Sent To Tasocsa Energy Partners, LLC  
901 West Missouri Avenue  
Midland, Texas 79701

Street and Apt. No., or P.O. box no. \_\_\_\_\_

City, State, ZIP+4® \_\_\_\_\_

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

**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:

Strategic Energy Income Fund IV, LP  
1521 North Cooper Street, Suite 700  
Arlington, Texas 76011

9590 9402 6746 1074 2388 75

2. Article No. 7021 0950 0002 0372 1793 (over \$500)

PS Form 3811, July 2020 PSN 7530-02-000-9053

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature M. W. X-2  Agent  Addressee

B. Received by (Printed Name) M. W. X-2 C. Date of Delivery 6-15-22

D. Is delivery address different from item 1?  Yes  No  
If YES, enter delivery address below:

3. Service Type

Priority Mail Express®

Registered Mail™

Adult Signature Restricted Delivery

Certified Mail®

Signature Confirmation™

Collect on Delivery Restricted Delivery

Domestic Return Receipt M-W X-2

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

For delivery information, visit our website at [www.usps.com](http://www.usps.com)

**OFFICIAL USE**

Certified Mail Fee \$ \_\_\_\_\_

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

Return Receipt (hardcopy) \$ \_\_\_\_\_

Return Receipt (electronic) \$ \_\_\_\_\_

Certified Mail Restricted Delivery \$ \_\_\_\_\_

Adult Signature Required \$ \_\_\_\_\_

Adult Signature Restricted Delivery \$ \_\_\_\_\_

Postage \$ \_\_\_\_\_

**Total Postage and Fees** \$ \_\_\_\_\_

Sent To \_\_\_\_\_

Street and Apt. No., or P.O. box no. \_\_\_\_\_

City, State, ZIP+4® \_\_\_\_\_

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

**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:

Tasocsa Energy Partners, LLC  
901 West Missouri Avenue  
Midland, Texas 79701

9590 9402 6746 1074 2388 13

2. Article No. 7021 0950 0002 0372 1854 (over \$500)

PS Form 3811, July 2020 PSN 7530-02-000-9053

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature M. W. X-2  Agent  Addressee

B. Received by (Printed Name) M. W. X-2 C. Date of Delivery 6-15-22

D. Is delivery address different from item 1?  Yes  No  
If YES, enter delivery address below:

3. Service Type

Priority Mail Express®

Registered Mail™

Adult Signature Restricted Delivery

Certified Mail®

Signature Confirmation™

Collect on Delivery Restricted Delivery

Domestic Return Receipt M-W X-2

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

For delivery information, visit our website at [www.usps.com](http://www.usps.com)

**OFFICIAL USE**

Certified Mail Fee \$ \_\_\_\_\_

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

Return Receipt (hardcopy) \$ \_\_\_\_\_

Return Receipt (electronic) \$ \_\_\_\_\_

Certified Mail Restricted Delivery \$ \_\_\_\_\_

Adult Signature Required \$ \_\_\_\_\_

Adult Signature Restricted Delivery \$ \_\_\_\_\_

Postage \$ \_\_\_\_\_

**Total Postage and Fees** \$ \_\_\_\_\_

Sent To Bahnhof Holdings, LP  
P. O. Box 10505  
Midland, Texas 79702

Street and Apt. No., or PO Box No. \_\_\_\_\_

City, State, ZIP+4® \_\_\_\_\_

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

7201 0950 0002 0372 1830

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature  Agent  
Myka Matthews  Addressee

B. Received by (Printed Name) Myka Matthews C. Date of Delivery 6-7-22

D. Is delivery address different from item 1?  Yes  No  
If YES, enter delivery address below:

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

1. Article Addressed to:  
Claudia R. Burch  
P. O. Box 10505  
Midland, Texas 79702

2. Article Addressed to:  
7021 0950 0002 0372 1830

PS Form 3811, July 2020 PSN 7530-02-000-9053

Released to Imaging: 6/15/2022 9:18:25 AM

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

For delivery information, visit our website at [www.usps.com](http://www.usps.com)

**OFFICIAL USE**

Certified Mail Fee \$ \_\_\_\_\_

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

Return Receipt (hardcopy) \$ \_\_\_\_\_

Return Receipt (electronic) \$ \_\_\_\_\_

Certified Mail Restricted Delivery \$ \_\_\_\_\_

Adult Signature Required \$ \_\_\_\_\_

Adult Signature Restricted Delivery \$ \_\_\_\_\_

Postage \$ \_\_\_\_\_

**Total Postage and Fees** \$ \_\_\_\_\_

Sent To Bahnhof Holdings, LP  
P. O. Box 10505  
Midland, Texas 79702

Street and Apt. No., or PO Box No. \_\_\_\_\_

City, State, ZIP+4® \_\_\_\_\_

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

7201 0950 0002 0372 1830

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature  Agent  
Myka Matthews  Addressee

B. Received by (Printed Name) Myka Matthews C. Date of Delivery 6-7-22

D. Is delivery address different from item 1?  Yes  No  
If YES, enter delivery address below:

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

1. Article Addressed to:  
Claudia R. Burch  
P. O. Box 10505  
Midland, Texas 79702

2. Article Addressed to:  
7021 0950 0002 0372 1830

PS Form 3811, July 2020 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:

Bahnhof Holdings, LP  
P. O. Box 10505  
Midland, Texas 79702

2. A. Article Addressed to:  
7021 0950 0002 0372 1830

PS Form 3811, July 2020 PSN 7530-02-000-9053

M - WX - 2

**CERTIFIED MAIL® RECEIPT**  
Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)®.

**OFFICIAL USE**

Certified Mail Fee \$ \_\_\_\_\_

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

Return Receipt (hardcopy) \$ \_\_\_\_\_

Return Receipt (electronic) \$ \_\_\_\_\_

Certified Mail Restricted Delivery \$ \_\_\_\_\_

Adult Signature Required \$ \_\_\_\_\_

Adult Signature Restricted Delivery \$ \_\_\_\_\_

Postage \$ \_\_\_\_\_

**Total Postage and Fees** \$ \_\_\_\_\_

Sent To \_\_\_\_\_

Fasken Land & Minerals, Ltd.  
6101 Holiday Hill Road  
Midland, Texas 79707

Street and Apt. No., or PO \_\_\_\_\_

City, State, Zip+4® \_\_\_\_\_

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

7021 0950 0002 0372 1816

**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.

Article Addressed to:

Jane Ramsland Oil and Gas Partnership  
P. O. Box 10505  
Midland, Texas 79702

1. Article Addressed to: \_\_\_\_\_

2. Article Addressed to: \_\_\_\_\_

3. Service Type

Priority Mail Express®

Registered Mail™

Adult Signature Restricted Delivery

Certified Mail®

Collect on Delivery

Collect on Delivery Restricted Delivery

Signature Confirmation™

Signature Confirmation Restricted Delivery

PS Form 3811, July 2020 PSN 7530-02-000-9053

Released to Imaging: 6/15/2022 9:18:25 AM

**CERTIFIED MAIL® RECEIPT**  
Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)®.

**OFFICIAL USE**

Certified Mail Fee \$ \_\_\_\_\_

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

Return Receipt (hardcopy) \$ \_\_\_\_\_

Return Receipt (electronic) \$ \_\_\_\_\_

Certified Mail Restricted Delivery \$ \_\_\_\_\_

Adult Signature Required \$ \_\_\_\_\_

Adult Signature Restricted Delivery \$ \_\_\_\_\_

Postage \$ \_\_\_\_\_

**Total Postage and Fees** \$ \_\_\_\_\_

Sent To \_\_\_\_\_

Fasken Land & Minerals, Ltd.  
6101 Holiday Hill Road  
Midland, Texas 79707

Street and Apt. No., or PO \_\_\_\_\_

City, State, Zip+4® \_\_\_\_\_

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

7021 0950 0002 0372 1816

**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.

Article Addressed to:

Jane Ramsland Oil and Gas Partnership  
P. O. Box 10505  
Midland, Texas 79702

1. Article Addressed to: \_\_\_\_\_

2. Article Addressed to: \_\_\_\_\_

3. Service Type

Priority Mail Express®

Registered Mail™

Adult Signature Restricted Delivery

Certified Mail®

Collect on Delivery

Collect on Delivery Restricted Delivery

Signature Confirmation™

Signature Confirmation Restricted Delivery

PS Form 3811, July 2020 PSN 7530-02-000-9053

**CERTIFIED MAIL® RECEIPT**  
Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)®.

**OFFICIAL USE**

Certified Mail Fee \$ \_\_\_\_\_

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

Return Receipt (hardcopy) \$ \_\_\_\_\_

Return Receipt (electronic) \$ \_\_\_\_\_

Certified Mail Restricted Delivery \$ \_\_\_\_\_

Adult Signature Required \$ \_\_\_\_\_

Adult Signature Restricted Delivery \$ \_\_\_\_\_

Postage \$ \_\_\_\_\_

**Total Postage and Fees** \$ \_\_\_\_\_

Sent To \_\_\_\_\_

Fasken Land & Minerals, Ltd.  
6101 Holiday Hill Road  
Midland, Texas 79707

Street and Apt. No., or PO \_\_\_\_\_

City, State, Zip+4® \_\_\_\_\_

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

**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: \_\_\_\_\_

Fasken Land & Minerals, Ltd.  
6101 Holiday Hill Road  
Midland, Texas 79707



PS Form 3811, July 2020 PSN 7530-02-000-9053

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature

X Cynthia Moreno

B. Received by (Printed Name) Cynthia Moreno

C. Date of Delivery 06/15/22

D. Is delivery address different from item 1?  Yes  No

If YES, enter delivery address below:

3. Service Type

Priority Mail Express®

Registered Mail™

Certified Mail®

Collect on Delivery

Collect on Delivery Restricted Delivery

Insured Mail

Insured Mail 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](http://www.usps.com)®.

OFFICIAL USE

Certified Mail Fee \$

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

Return Receipt (hardcopy) \$

Return Receipt (electronic) \$

Certified Mail Restricted Delivery \$

Adult Signature Required \$

Adult Signature Restricted Delivery \$

Postage \$

Total Postage and Fees \$

Postmark Here

Sent To Elizabeth R. Robinson  
P. O. Box 10505  
Midland, Texas 79702

Street and Apt. No., or P.O. Box

City, State, ZIP+4®

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

2497 2260 2000 0560 1202

SENDER: COMPLETE THIS SECTION

1. Article Addressed to:

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:

2. Article 7021 0950 0002 0372 1809 d Delivery

PS Form 3811, July 2020 PSN 7530-02-000-9053 Domestic Return Receipt

3. Service Type

Priority Mail Express®

Adult Signature

Registered Mail™

Registered Mail Restricted Delivery

Certified Mail®

Signature Confirmation™

Signature Confirmation Restricted Delivery

Collect on Delivery

Collect on Delivery Restricted Delivery

Frank Suttles  
PO Box 10725  
Midland, TX 79702

9590 9402 6746 1074 2388 51

7021 0950 0002 0372 1809

PS Form 3811, July 2020 PSN 7530-02-000-9053

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

For delivery information, visit our website at [www.usps.com](http://www.usps.com)®.

OFFICIAL USE

Certified Mail Fee \$

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

Return Receipt (hardcopy) \$

Return Receipt (electronic) \$

Certified Mail Restricted Delivery \$

Adult Signature Required \$

Adult Signature Restricted Delivery \$

Postage \$

Total Postage and Fees \$

Sent To Frank Suttles  
PO Box 10725  
Midland, TX 79702

Street and Apt. No., or P.O. Box

City, State, ZIP+4®

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

7021 0950 0002 0372 1809

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:

Elizabeth R. Robinson  
P. O. Box 10505  
Midland, Texas 79702



9590 9402 6746 1074 2388 20

2. Article 7021 0950 0002 0372 1847

PS Form 3811, July 2020 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature  Agent  Addressee

B. Received by (Printed Name) Mitzel Matthews 6-1-22 C. Date of Delivery

D. Is delivery address different from item 1?  Yes  No  
If YES, enter delivery address below:

3. Service Type

Priority Mail Express®

Adult Signature

Registered Mail™

Registered Mail Restricted Delivery

Certified Mail®

Signature Confirmation™

Signature Confirmation Restricted Delivery

Collect on Delivery

Collect on Delivery Restricted Delivery

Domestic Return Receipt

7021 0950 0002 0372 1762

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

For delivery information, visit our website at [www.usps.com](http://www.usps.com)®.

**OFFICIAL USE**

|  |                  |
|--|------------------|
| Certified Mail Fee<br>\$   | Postmark<br>Here |
| Extra Services & Fees (check box, add fee as appropriate)  |                  |
| <input type="checkbox"/> Return Receipt (hardcopy) \$  |                  |
| <input type="checkbox"/> Return Receipt (electronic) \$  |                  |
| <input type="checkbox"/> Certified Mail Restricted Delivery \$   |                  |
| <input type="checkbox"/> Adult Signature Required \$   |                  |
| <input type="checkbox"/> Adult Signature Restricted Delivery \$  |                  |
| Postage<br>\$  |                  |
| <b>Total Postage and Fees</b><br>\$  |                  |
| <b>Sent To</b>   |                  |
| Street and Apt. No., or P.O. Box No. <i>Thomas R. Smith<br/>1409 South County Road 1130<br/>Midland, Texas 79706</i> |                  |
| City, State, ZIP+4®  |                  |

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

7021 0950 0002 0372 1779

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

For delivery information, visit our website at [www.usps.com](http://www.usps.com)®.

**OFFICIAL USE**

|   |                  |
|---|------------------|
| Certified Mail Fee<br>\$  | Postmark<br>Here |
| Extra Services & Fees (check box, add fee as appropriate)   |                  |
| <input type="checkbox"/> Return Receipt (hardcopy) \$   |                  |
| <input type="checkbox"/> Return Receipt (electronic) \$   |                  |
| <input type="checkbox"/> Certified Mail Restricted Delivery \$  |                  |
| <input type="checkbox"/> Adult Signature Required \$  |                  |
| <input type="checkbox"/> Adult Signature Restricted Delivery \$   |                  |
| Postage<br>\$   |                  |
| <b>Total Postage and Fees</b><br>\$   |                  |
| <b>Sent To</b>  |                  |
| Street and Apt. No., or P.O. Box No. <i>OXY USA WTP LP<br/>5 Greenway Plaza, Suite 110<br/>Houston, Texas 77046</i> |                  |
| City, State, ZIP+4®   |                  |

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

# Carlsbad Current Argus.

PART OF THE USA TODAY NETWORK

## Affidavit of Publication

Ad # 0005244208

This is not an invoice

**JAMES BRUCE ATTORNEY AT LAW**  
POBOX 1056

**SANTA FE, NM 87504**

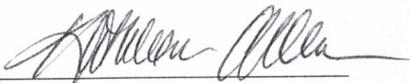
I, a legal clerk of the **Carlsbad Current Argus**, a newspaper published daily at the City of Carlsbad, in said county of Eddy, state of New Mexico and of general paid circulation in said county; that the same is a duly qualified newspaper under the laws of the State wherein legal notices and advertisements may be published; that the printed notice attached hereto was published in the regular and entire edition of said newspaper and not in supplement thereof in editions dated as follows:

05/05/2022



Legal Clerk

Subscribed and sworn before me this May 5, 2022:



State of WI, County of Brown  
NOTARY PUBLIC



My commission expires

EXHIBIT

5

KATHLEEN ALLEN  
Notary Public  
State of Wisconsin

Ad # 0005244208  
PO #: 0005244208  
# of Affidavits 1

This is not an invoice

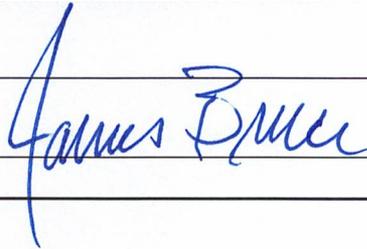
## NOTICE

To: OXY USA WTP LP, Fasken Land & Minerals, Ltd., Strategic Energy Income Fund IV, LP, Frank Suttles, Jane Ramsland Oil and Gas Partnership, Bahnhof Holdings, LP, Claudia R. Burch, Thomas R. Smith, Elizabeth R. Robinson, Tascosa Energy Partners, LLC, and Canyon Draw Resources, LLC, or your heirs, devisees, successors, or assigns: Mewbourne Oil Company has filed an application with the New Mexico Oil Conservation Division (Case 22647), seeking an order pooling all uncommitted mineral interest owners 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 20, Township 20 South, Range 27 East, NMPM. The unit will be dedicated to the Wine Mixer 21/20 B3PM Fed. Com. Well No. 1H. 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 wells, and a 200% charge for the risk involved in drilling, completing, and equipping the wells. This matter is scheduled for hearing at 8:15 a.m. on Thursday, May 19, 2022. 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](http://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 that may be affected by this application, you may appear and present testimony. A party appearing in a Division case is required by Division Rules to file a Pre-Hearing Statement no later than Thursday, May 12, 2022. This statement may be filed online with the Division at [ocd.hearings@state.nm.us](mailto:ocd.hearings@state.nm.us). Failure to appear at that time and become a party of record will preclude you from contesting this matter at a later date. The attorney for applicant is James Bruce, P.O. Box 1056, Santa Fe, New Mexico 87504, [jamesbruc@aol.com](mailto:jamesbruc@aol.com). The unit is located approximately 7 miles southeast of Lakewood, New Mexico. #0005244208, Current Argus, May 5, 2022

**COMPULSORY POOLING APPLICATION CHECKLIST****ALL INFORMATION IN THE APPLICATION MUST BE SUPPORTED BY SIGNED AFFIDAVITS**

|  |   |           |
|--|---|-----------|
| <b>Case:</b>   | <b>22647</b>  |           |
| <b>Date</b>  | <b>June 16, 2022</b>  |           |
| Applicant  | Mewbourne Oil Company   |           |
| Designated Operator & OGRID<br>(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:   |   |           |
| Well Family  | Wine Mixer Bone Spring wells  |           |
| <b>Formation/Pool</b>  |   |           |
| 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:   |   |           |
| Well Location Setback Rules:   | Current horizontal well rules   |           |
| Spacing Unit Size:   | Quarter-quarter sections/40 acres   |           |
| <b>Spacing Unit</b>  |   |           |
| 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 §20-20S-27E, NMPM, Eddy County  |           |
| Standard Horizontal Well Spacing Unit<br>(Y/N), If No, describe  | Yes   |           |
| <b>Other Situations</b>  |   |           |
| Depth Severance: Y/N. If yes, description  | No  | EXHIBIT 6 |
| Proximity Tracts: If yes, description  | No  |           |
| Proximity Defining Well: if yes, description   |   |           |
| Applicant's Ownership in Each Tract  |   |           |
| <b>Well(s)</b>   |   |           |
| Name & API (if assigned), surface and bottom hole location, footages, completion target, orientation, completion status (standard or non-standard) | Wine Mixer 21/20 B3PM Fed. Com. Well No. 1H<br>API No. 30-015-Pending<br>SHL: 1080 FSL & 205 FEL §21<br>BHL: 660 FSL & 100 FWL §20<br>FTP: 660 FSL & 100 FEL §21<br>LTP: 660 FSL & 100 FWL §20<br>Third Bone Spring/TVD 8249 feet/MD 18274 feet |           |

|  |              |
|--|--------------|
| Horizontal Well First and Last Take Points                     | See above    |
| Completion Target (Formation, TVD and MD)                      | See above    |
| <b>AFE Capex and Operating Costs</b>                           |              |
| Drilling Supervision/Month \$                                  | \$8000       |
| Production Supervision/Month \$                                | \$800        |
| Justification for Supervision Costs                            | Exhibit 2    |
| Requested Risk Charge  | Exhibit 2    |
| <b>Notice of Hearing</b>                                       |              |
| 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)  | Exhibit 5    |
| <b>Ownership Determination</b>                                 |              |
| Land Ownership Schematic of the Spacing Unit                   | Exhibit 2-B  |
| Tract List (including lease numbers and owners)                | Exhibit 2-B  |
| Pooled Parties (including ownership type)                      | Exhibit 2-B  |
| Unlocatable Parties to be Pooled                               |              |
| Ownership Depth Severance (including percentage above & below) | None         |
| <b>Joinder</b>   |              |
| Sample Copy of Proposal Letter                                 | Exhibit 2--C |
| List of Interest Owners ( <i>i.e.</i> Exhibit A of JOA)        | Exhibit 2-B  |
| Chronology of Contacts 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  |
| <b>Geology</b>   |              |
| Summary (including special considerations)                     | Exhibit 3    |
| Spacing Unit Schematic   | Exhibit 3-A  |
| Gunbarrel/Lateral Trajectory Schematic                         | Exhibit 3-C  |
| Well Orientation (with rationale)                              | Exhibit 3    |
| Target Formation   | Bone Spring  |
| HSU Cross Section  | Exhibit 3-C  |
| Depth Severance Discussion                                     | N/A          |
| <b>Forms, Figures and Tables</b>                               |              |
| C-102  | Exhibit 2-A  |
| Tracts   | Exhibit 2-B  |
| Summary of Interests, Unit Recapitulation (Tracts)             | Exhibit 2-B  |

|  |  |
|--|--|
| 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-A  |
| Cross Section (including Landing Zone)   | Exhibit 3-C  |
| <b>Additional Information</b>  |  |
| <b>CERTIFICATION: I hereby certify that the information provided in this checklist is complete and accurate.</b> |  |
| <b>Printed Name</b> (Attorney or Party Representative):  | James Bruce  |
| <b>Signed Name</b> (Attorney or Party Representative):   |  |
| <b>Date:</b>   | June 14, 2022  |