

CASE NO. 23366

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

EXHIBIT LIST

1. Application and Proposed Notice
2. Landman's Affidavit
3. State Land Office Approval
4. Letter of Support
5. Geologist's Affidavit
6. Affidavit of Mailing
7. Certified Notice Spreadsheet
8. Affidavit of Publication
9. Pooling Checklist

BEFORE THE NEW MEXICO OIL CONSERVATION DIVISION

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

Case No. _____

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 E/2E/2 of Section 18 and the E/2E/2 of Section 7, Township 21 South, Range 35 East, N.M.P.M., Lea County, New Mexico, and in support thereof, states:

1. Applicant is an interest owner in the E/2E/2 of Section 18 and the E/2E/2 of Section 7 (containing 320 acres), and has the right to drill a well thereon.

2. Applicant proposes to drill the North Wilson Deep Unit Well No. 9H to a depth sufficient to test the Bone Spring formation, with a first take point in the SE/4SE/4 of Section 18 and a last take point in the NE/4NE/4 of Section 7.

3. Applicant has in good faith sought to obtain the voluntary joinder of all other mineral interest owners in the E/2E/2 of Section 18 and the E/2E/2 of Section 7 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 uncommitted mineral interest owners in the Bone Spring formation underlying the E/2E/2 of Section 18 and the E/2E/2 of Section 7, pursuant to NMSA 1978 §70-2-17.

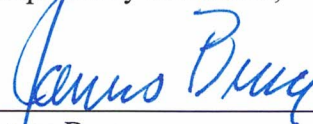
EXHIBIT /

5. The pooling of all uncommitted mineral interest owners in the Bone Spring formation underlying a horizontal spacing unit comprised of the E/2E/2 of Section 18 and the E/2E/2 of Section 7 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 uncommitted mineral interest owners in the Bone Spring formation (Wilson; Bone Spring, North/Pool Code 97704) underlying the E/2E/2 of Section 18 and the E/2E/2 of Section 7;
- B. Designating applicant as operator of the well;
- C. Considering the cost of drilling, completing, testing, 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, testing, 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, Lea County, New Mexico.

Mewbourne Oil Company seeks an order pooling all mineral interests in the Bone Spring formation underlying a horizontal spacing unit comprised of the E/2E/2 of Section 18 and the E/2E/2 of Section 7, Township 21 South, Range 35 East, NMPM. The unit will be dedicated to the North Wilson Deep Unit Well No. 9H, with a first take point in the SE/4SE/4 of Section 18 and a last take point in the NE/4NE/4 of Section 7. Also to be considered will be the cost of drilling, completing, testing, 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, testing, and equipping the well. The unit is located approximately 8-1/2 miles west-southwest of Oil Center, 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
COMPULSORY POOLING, LEA COUNTY, NEW MEXICO.**

Case No. 23366

VERIFIED STATEMENT OF ADRIANA SALGADO

Adriana Salgado, being duly sworn upon her oath, deposes and states:

1. I am a Landman for Mewbourne Oil Company (“Mewbourne”) and have personal knowledge of the matters stated herein. I have worked as a landman for 7 years. I hold a Bachelor of Arts Degree in Humanities from the University of Texas of the Permian Basin. I have 4 years of land work experience with Apache Corporation, prior to working at Mewbourne Oil Company. Collectively, I have 11 years of land work experience.

2. Pursuant to NMAC 19.15.4.12.A(1), the following information is submitted in support of the compulsory pooling application filed herein:

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

(b) No opposition is expected because the interest owners being pooled have been contacted regarding the proposed well but have failed or refused to voluntarily commit their interests to the well. All interest owners have been located.

(c) A plat outlining the unit being pooled is attached hereto as Exhibit ²⁻1. Mewbourne seeks an order approving a 320.00-acre horizontal spacing unit in the Bone Spring Formation comprised of the E2E2 of Section 18 and the E2E2 of Section 7, Township 21 South, Range 35 East, NMPM, Lea County, New Mexico. The unit will be dedicated to the North Wilson Deep Unit #9H. There are no depth severances in the Bone Spring Formation.

(d) The parties being pooled and their interests are set forth in Exhibit ²⁻2. Their current and correct addresses are also set forth.

EXHIBIT ²⁻2

- (e) Exhibit ²⁻³3 contains a summary of contacts with the interest owners, together with copies of the proposal letters sent to them, delivery receipts for each and copies of all email correspondence as listed.
- (f) In order to locate the interest owners, Mewbourne examined the county records, performed internet searches, checked telephone records, and searched pertinent computer searches.
- (g) Mewbourne has made a good faith effort to obtain the voluntary joinder of the working interest owners in the proposed well.
- (h) Mewbourne has the right to pool the overriding royalty owners in the well unit.
- (i) Exhibit ²4 is the Authorization for Expenditure for the proposed well. The estimated cost of the well set forth therein is fair and reasonable, and is comparable to the costs of other wells of similar depth and length drilled in this area Lea County.
- (j) Mewbourne requests overhead and administrative rates of \$8000/month for a drilling well and \$800/month for a producing well. These rates are fair, and comparable to the rates charged by other operators for wells of this type in this portion of Lea County. Mewbourne requests that these rates be adjusted periodically as provided in the standard COPAS. Accounting Procedure.
- (k) Mewbourne requests that the maximum cost plus 200% risk charge be assessed against non-consenting working interest owners.
- (l) Applicant requests that it be designated operator of the well.
- (m) The attachments to this affidavit were prepared by me or under my supervision, or compiled from company business records.
- (n) The granting of this application is in the interests of conservation and the prevention of waste.

VERIFICATION

STATE OF TEXAS)
) ss.
COUNTY OF MIDLAND)

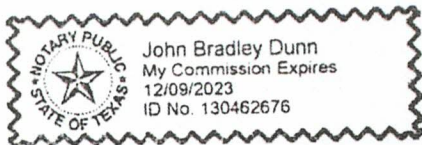
Adriana Salgado, being duly sworn upon his oath, deposes and states that: She is a landman for Mewbourne Oil Company; she is authorized to make this verification on its behalf; she has read the foregoing statement, and knows the contents thereof; and the same is true and correct to the best of her knowledge, information, and belief.

Asalgado
Adriana Salgado

SUBSCRIBED AND SWORN TO before me this 21st day of February, 2023 by Adriana Salgado.

My Commission Expires: 12/9/2023

John Bradley Dunn
Notary Public



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 97704 | | 3 Pool Name WILSON; BONE SPRING, NORTH | | | | | |
| 4 Property Code | | 5 Property Name NORTH WILSON DEEP UNIT | | | | | | 6 Well Number 9H | |
| 7 OGRID NO. | | 8 Operator Name MEWBOURNE OIL COMPANY | | | | | | 9 Elevation 3651' | |
| 10 Surface Location | | | | | | | | | |
| UL or lot no. P | Section 18 | Township 21S | Range 35E | Lot Idn | Feet from the 205 | North/South line SOUTH | Feet From the 1200 | East/West line EAST | County LEA |
| 11 Bottom Hole Location If Different From Surface | | | | | | | | | |
| UL or lot no. A | Section 7 | Township 21S | Range 35E | Lot Idn | Feet from the 100 | North/South line NORTH | Feet from the 500 | East/West line EAST | County LEA |
| 12 Dedicated Acres 320 | | 13 Joint or Infill | | 14 Consolidation Code | | 15 Order No. | | | |

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

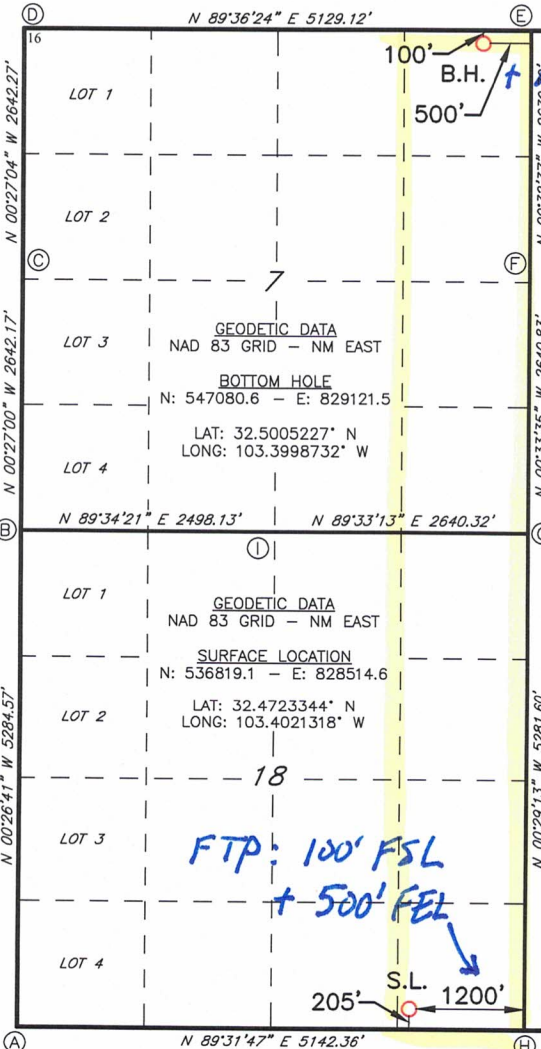


EXHIBIT 2-1

- CORNER DATA**
NAD 83 GRID - NM EAST
- A: FOUND 3/4" REBAR
N: 536581.8 - E: 824574.8
 - B: CALCULATED CORNER
N: 541865.4 - E: 824533.8
 - C: FOUND REBAR W/YELLOW PLASTIC CAP STAMPED "NMPS 676"
N: 544507.0 - E: 824513.1
 - D: FOUND 2" PIPE
N: 547148.8 - E: 824492.3
 - E: FOUND 12"x6"x4" LIMESTONE ROCK
N: 547184.0 - E: 829620.4
 - F: FOUND 1/2" REBAR
N: 544544.8 - E: 829645.5
 - G: CALCULATED CORNER
N: 541904.6 - E: 829671.3
 - H: FOUND 3/4" REBAR
N: 536624.0 - E: 829716.2
 - I: FOUND 1/2" REBAR
N: 541884.0 - E: 827031.5

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 or has an interest or unleased mineral interest in the land including the governmental 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.

02/24/2023
Date of Survey

Signature and Seal of Professional Surveyor _____

19680
Certificate Number

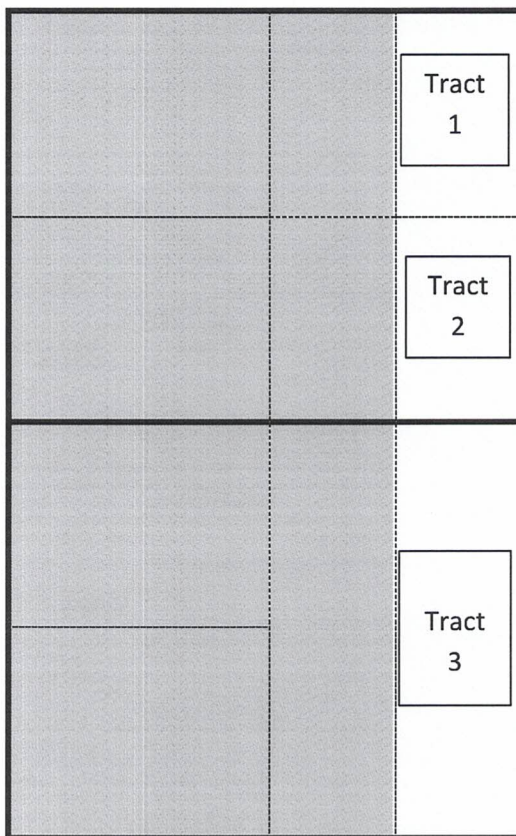
EXHIBIT 2-2
EXHIBIT 1

Section Plat

North Wilson Deep Unit #9H
E2E2 of Section 18 & E2E2 of Section 7
T21S-R35E, Lea County, NM

Section 7 →

Section 18 →



Tract 1: E2NE of Section 7 – State Lse. B0-1439

Tract 2: E2SE of Section 7 – State Lse. B0-1481

- Mewbourne Oil Company
- Chevron U.S.A. Inc.
- COG Operating LLC
- *Devon Energy Production Company, L.P.
- Kaiser-Francis Oil Company
- *OXY USA WTP Limited Partnership
- *OXY USA Inc.
- ConocoPhillips Company
- SBI West Texas I LLC
- *MRC Permian Company
- Alpha Energy Partners, LLC
- Cimarex Energy Company
- Northern Oil and Gas, Inc.
- *Earthstone Operating, LLC
- Magnum Hunter Production Company
- Penroc Oil Corporation
- Javeline Partners
- Zorro Partners

Tract 3: E2E2 of Section 18 – State Lse. V0-5917

- Mewbourne Oil Company
- *Devon Energy Production Company, L.P.
- *Earthstone Operating, LLC

*Indicates parties being pooled.

| |
|-------------|
| Exhibit 2-2 |
|-------------|

TRACT OWNERSHIP
North Wilson Deep Unit #9H
E2E2 of Section 7 & E2E2 of Section 18,
Township 21 South, Range 35 East
Lea County, New Mexico

Bone Spring Formation:

| | <u>% Leasehold Interest</u> |
|---|-----------------------------|
| Mewbourne Oil Company 500 West Texas, Ste. 1020 Midland, Texas 79701 | 42.46516% |
| *Devon Energy Production Company, L.P. 333 W. Sheridan Avenue Oklahoma City, Oklahoma 73102 | 25.000000% |
| *Earthstone Operating, LLC 600 N. Marienfeld, Ste. 1000 Midland, Texas 79701 | 18.986043% |
| Chevron U.S.A. Inc. 1400 Smith Street Houston, Texas 77002 | 7.383369% |
| Kaiser-Francis Oil Company 6733 South Yale Ave. Tulsa, Oklahoma 74136 | 2.254659% |
| *OXY USA Inc. 5 Greenway Plaza, Suite 110 Houston, Texas 77056 | 1.317698% |
| *MRC Permian Company 5400 LBJ Freeway, Suite 1500 Dallas, Texas 75240 | 1.279814% |
| Magnum Hunter Production Company 600 N. Marienfeld St., Ste. 600 Midland, Texas 79701 | 0.816320% |
| *OXY USA WTP Limited Partnership 5 Greenway Plaza, Suite 110 Houston, Texas 77056 | 0.378838% |

Cimarex Energy Company
600 N. Marienfeld St., Ste. 600
Midland, Texas 79701

0.118099%

Total

100.00000%

***Total interest being pooled: 46.962393%**

2-
EXHIBIT 3
1

Summary of Communications
North Wilson Deep Unit #8H
North Wilson Deep Unit #9H

| Company Name: Devon Energy Production Company, LP | | |
|---|--------------------|--|
| Date: | Communicated with: | Comments/Actions: |
| 11/21/2022 | | Mailed well proposals via certified mail. |
| 11/21/2022 | | Certified Mail receipt showed successful delivery at 9:10 AM |
| 11/21/2022 | Verl Brown | I emailed Verl the proposals and he read the email at 4:39 PM |
| 11/21/2022 | Verl Brown | Verl emailed me to let me know who was working this area now. |
| 11/23/2022 | Verl Brown | Certified Mail receipt showed successful delivery at 3:43 PM; this is for the updated AFE proposals. |

| Company Name: Earthstone Operating, LLC | | |
|---|--------------------|---|
| Date: | Communicated with: | Comments/Actions: |
| 11/21/2022 | | Mailed well proposal via certified mail. |
| 11/22/2022 | | Certified Mail receipt showed successful delivery at 1:34 PM |
| 11/22/2022 | Debbie McGee | I emailed Debbie the proposals and she read the email at 7:20 AM |
| 11/22/2022 | Debbie McGee | Debbie emailed me and asked for interest information. |
| 11/22/2022 | Debbie McGee | I emailed Debbie with interest explanations. |
| 11/22/2022 | Debbie McGee | Debbie emailed me asking me technical questions. |
| 11/22/2022 | Debbie McGee | I emailed Debbie with responses. |
| 12/8/2022 | Amanda Redfearn | Amanda emailed me asking if we would consider a trade with them for their interest in this area. |
| 12/8/2022 | Amanda Redfearn | I emailed Amanda and told her would always consider a trade and asked her to send us an offer. |
| 12/8/2022 | Amanda Redfearn | Amanda emailed me to ask about Com Agreements in this area. |
| 12/8/2022 | Amanda Redfearn | I emailed Amanda responses. |
| 12/14/2022 | Amanda Redfearn | I emailed Amanda to see if they had any offers for us to review. |
| 12/14/2022 | Amanda Redfearn | Amanda responded to let me know she will check on team evaluations of possible trade options and let me know. |
| 1/3/2023 | Amanda Redfearn | I emailed Amanda to inquire on trade options from her team. |
| 1/6/2023 | Amanda Redfearn | I emailed Amanda to inquire on trade options from her team. |
| 1/17/2023 | Amanda Redfearn | Amanda emailed me to let me know that they couldn't locate anything for a beneficial trade on their end. She asked questions about these well proposals and stated that they were inclined to participate in the wells instead. |
| 1/17/2023 | Amanda Redfearn | I emailed responses to Amanda and let her know that our team was going to send an offer for their review. |
| 1/20/2023 | Amanda Redfearn | I emailed Amanda a trade offer in this area. |
| 1/23/2023 | Amanda Redfearn | Amanda emailed me to let me know she sent the offer for her team to review. |
| 1/31/2023 | Amanda Redfearn | I emailed Amanda to follow-up on the offer we sent them. |
| 2/1/2023 | Amanda Redfearn | Amanda emailed me to state her team was still reviewing the trade offer and area looking to send us a potential counteroffer. |

| | | |
|-----------|-----------------|---|
| 2/10/2023 | Amanda Redfearn | Amanda emailed me asking for shape files and maps of from us for their counteroffer research. |
| 2/13/2023 | Amanda Redfearn | I emailed Amanda to let her know per company policy we cannot send her that material, but we can look at any area they'd like for us to review. |
| 2/17/2023 | Amanda Redfearn | I emailed Amanda to ask how we could move negotiations forward instead of pooling them. I asked if she could please let us know what her team decided on our last offer. They never provided us a counteroffer as they mentioned. |

| Company Name: Chevron U.S.A. Inc. | | |
|-----------------------------------|--------------------|---|
| Date: | Communicated with: | Comments/Actions: |
| 11/21/2022 | | Mailed well proposals via certified mail. |
| 11/21/2022 | | Emailed proposals and I show they read it at 3:18 PM. |
| 11/30/2022 | Scott Sabrsula | Scott emailed me asking how the WI was calculated. |
| 11/30/2022 | Scott Sabrsula | I responded to Scott's email. |
| 12/5/2022 | | Certified Mail receipt showed successful delivery at 8:41 PM. |
| 12/8/2022 | Scott Sabrsula | Scott emailed asking about the JOA and requested changes. |
| 12/8/2022 | Scott Sabrsula | I emailed Scott with responses and updated JOA pages. |
| 1/4/2023 | Scott Sabrsula | Scott emailed me to say they are approving the JOA. |
| 2/21/2023 | Scott Sabrsula | I emailed Scott to ask for update on the JOA/AFEs. |
| 2/21/2023 | Scott Sabrsula | Scott responded to tell me that they are going to participate and they are just waiting for signatures on the JOA and hope to have it to us before the hearing on 3/2/23. |

| Company Name: COG Operating LLC and ConocoPhillips Company | | |
|--|--------------------|--|
| Date: | Communicated with: | Comments/Actions: |
| 11/21/2022 | | Mailed well proposals via certified mail. |
| 11/23/2022 | | Emailed proposals/JOA proposal and it was read at 8:24 AM. |
| 11/29/2022 | Idalia Villegas | Idalia emailed me technical questions about these wells. |
| 11/29/2022 | Idalia Villegas | I emailed responses to Idalia for the technical questions. |
| 12/8/2022 | Oliver Cho | Oliver emailed me with a lengthy request for JOA changes. |
| 1/9/2023 | Oliver Cho | Oliver emailed me to ask about their JOA requests. |
| 1/9/2023 | Oliver Cho | I emailed Oliver to let him know we are reviewing their requests. |
| 1/10/2023 | Oliver Cho | Oliver emailed me asking about a pooling hearing date. |
| 1/17/2023 | Oliver Cho | I emailed Oliver with responses to their JOA change requests. |
| 1/18/2023 | Oliver Cho | Oliver emailed me to let me know they were agreeable to our responses and for a SLA to be drafted. |
| 1/19/2023 | Oliver Cho | I emailed Oliver a draft of the SLA. |
| 2/13/2023 | Oliver Cho | Oliver emailed me redlined SLA for our review. |
| 2/15/2023 | Oliver Cho | I emailed Oliver a correction to the previous SLA. |
| 2/17/2023 | Oliver Cho | Oliver emailed me accepting the SLA we sent over. |
| 2/20/2023 | Oliver Cho | Oliver emailed me asking about re-proposals. |
| 2/21/2023 | Oliver Cho | Oliver emailed me to let me know the OA was executed yesterday and their technical team is still evaluating the elections. |

| Company Name: Kaiser-Francis Oil Company | | |
|---|---------------------------|--|
| Date: | Communicated with: | Comments/Actions: |
| 11/21/2022 | | Mailed well proposals via certified mail. |
| 11/21/2022 | | Emailed proposals and I show they read it at 3:28 PM. |
| 11/23/2022 | Brendon Kushernick | Certified mail receipt shows it was received at 3:43 PM. |
| 11/21/2022 | Brendon Kushernick | Brandon emailed me asking about JOA. |
| 11/21/2022 | Brendon Kushernick | I emailed Brendon with responses. |
| 11/22/2022 | Brendon Kushernick | Brendon emailed me about spud dates. |
| 11/22/2022 | Brendon Kushernick | I emailed Brendon with responses. |
| 2/21/2023 | Brendon Kushernick | I emailed Brendon asking for an update on their elections. |
| 2/21/2023 | Brendon Kushernick | Brendon emailed me to let me know that they plan on signing the JOA this week. |

| Company Name: OXY USA WTP Limited Partnership & OXY USA Inc. | | |
|---|---------------------------|--|
| Date: | Communicated with: | Comments/Actions: |
| 11/21/2022 | | Mailed well proposals via certified mail. |
| 11/21/2022 | | Certified Receipt shows that the mail packet was accepted at the USPS facility at 5:43 PM. |
| 11/21/2022 | Jonathan Gonzales | I emailed the proposals to Jonathan. He forwarded them to Courtney Carr at 3:44 PM. |
| 11/22/2022 | Courtney Carr | Courtney Carr forwarded the proposals to Hannah Eastwood at 8:06 AM. |
| 11/21/2022 | Hannah Eastwood | Hannah emailed me with technical questions. |
| 11/22/2022 | Hannah Eastwood | I emailed Hannah with responses to the technical questions. |
| 11/28/2022 | Hannah Eastwood | Hannah emailed me asking questions regarding the JOA. |
| 11/28/2022 | Hannah Eastwood | I emailed Hannah with responses to her last email. |
| 2/21/2023 | Hannah Eastwood | I emailed Hannah to ask for update on the JOA/AFEs. |

| Company Name: MRC Permian Company | | |
|--|---------------------------|--|
| Date: | Communicated with: | Comments/Actions: |
| 11/21/2022 | | Mailed well proposals via certified mail. |
| 11/23/2022 | | Certified Mail Receipt shows that it was received at 11:58 PM. |

| Company Name: Cimarex Energy Company & Magnum Hunter Production Company | | |
|--|---------------------------|---|
| Date: | Communicated with: | Comments/Actions: |
| 11/21/2022 | | Mailed well proposals via certified mail. |
| 11/22/2022 | | Certified Mail Receipt shows that it was received at 1:34 PM. |

MEWBOURNE OIL COMPANY

500 West Texas, Suite 1020
Midland, Texas 79701
Phone (432) 682-3715
Fax (432) 685-4170

November 21, 2022

Via: Certified Mail & Email

Earthstone Operating, LLC
600 N. Marienfeld, Suite 1000
Midland, Texas 79701
Attn: Mr. Lenny Wood

Re: Proposed Horizontal Bone Spring Wells
North Wilson Deep Unit #8H
North Wilson Deep Unit #9H
E2 of Section 7, T21S-R35E
E2 of Section 18, T21S-R35E
Lea County, New Mexico

Dear Ladies and Gentlemen:

Mewbourne Oil Company ("Mewbourne") as Operator hereby proposes to drill and operate the following horizontal Bone Spring wells for oil and gas production:

1. North Wilson Deep Unit #8H located at a surface location 205' FSL & 1230' FEL of Section 18, with a bottom hole location 100' FNL & 2100' FEL of Section 7, of the above captioned lands. We anticipate drilling to an approximate total vertical depth of 9,896' and plan to continue drilling horizontally to the proposed bottom hole location at an approximate total measured depth of 20,066'. The project area for this well consists of W2E2 of Section 7 and W2E2 of Section 18 in T21S-R35E.
2. North Wilson Deep Unit #9H located at a surface location 205' FSL & 1200' FEL of Section 18, with a bottom hole location 100' FNL & 500' FEL of Section 7, of the above captioned lands. We anticipate drilling to an approximate total vertical depth of 9,831' and plan to continue drilling horizontally to the proposed bottom hole location at an approximate total measured depth of 20,019'. The project area for this well consists of E2E2 of Section 7 and E2E2 of Section 18 in T21S-R35E.

Enclosed are Mewbourne's AFEs for the wells, more fully detailing drilling costs. To make your election to participate in the proposed wells, properly execute and return the AFEs to my attention. You will also need to provide your "Well Information" requirements. As a reminder, Mewbourne's AFEs provide all participants the opportunity to opt out of the "Extra Expense Well Control Insurance" that Mewbourne purchases for each well it drills. If you do opt out, you must provide evidence that you have adequate "Well Control Insurance".

To facilitate the drilling of these wells and the development of this project area, Mewbourne proposes forming a working interest unit by signing an Operating Agreement with a Contract Area comprised of the E2 of Section 17 and E2 of Section 18, Township 21 South, Range 35 East, Lea County, New Mexico. Our Joint Operating Agreement (JOA), whereas Mewbourne is listed as Operator, is attached for your review and execution. To make your election to participate in the proposed JOA, properly execute and return the marked signature and acknowledgement pages to my attention. Feel free to contact me if you have any questions. I can be reached by phone at (432) 682-3715 or via email at asalgado@mewbourne.com.

Sincerely,
MEWBOURNE OIL COMPANY



Adriana Jimenez-Salgado
Landman

Adriana Salgado

From: webmaster@simplecertifiedmail.com
Sent: Tuesday, November 22, 2022 1:34 PM
To: Adriana Salgado
Subject: [EXT] Document Delivered



Document Delivered

A document with a tracking code of 9402836104262052231154 and reference number of North Wilson Deep was successfully delivered to Mr. Lenny Wood at Earthstone Operating LLC

This is an "Advisory Notice" from information provided by the United State Postal Service, and may not accurately reflect the delivery status of the item. Please check the Delivery Information Report in SimpleCertifiedMail.com to ensure the item was "Delivered" and not "Returned"

If you have questions or concerns, please let us know.

Regards,

The Client Services Group-Assistance

SimpleCertifiedMail.com
111 Commonwealth Court, Suite 103
Cary, NC 27511-4447

[888-462-1750 ext. 2](tel:888-462-1750) | assistance@simplecertifiedmail.com

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Adriana Salgado

From: Debbie McGee <debbie@earthstoneenergy.com>
To: Adriana Salgado
Sent: Tuesday, November 22, 2022 7:20 AM
Subject: Read: [EXT] Read: NWDU #8H & #9H JOA/Well Proposals

Your message

To:
Subject: [EXT] Read: NWDU #8H & #9H JOA/Well Proposals
Sent: Tuesday, November 22, 2022 1:19:43 PM (UTC+00:00) Monrovia, Reykjavik
was read on Tuesday, November 22, 2022 1:19:37 PM (UTC+00:00) Monrovia, Reykjavik.

EXHIBIT 4

MEWBOURNE OIL COMPANY

AUTHORIZATION FOR EXPENDITURE

Well Name: NORTH WILSON DEEP UNIT COM #9H Prospect: NORTH WILSON DEEP UNIT
 Location: SL: 205 FSL & 1200 FEL (18); BHL: 100 FNL & 500 FEL (7) County: LEA ST: NM
 Sec. 18 Blk: Survey: TWP: 21S RNG: 35E Prop. TVD: 9831 TMD: 20019

| INTANGIBLE COSTS 0180 | | CODE | TCP | CODE | CC |
|--|---|-----------|--------------------|-----------|--------------------|
| Regulatory Permits & Surveys | | 0180-0100 | \$10,000 | 0180-0200 | |
| Location / Road / Site / Preparation | | 0180-0105 | \$50,000 | 0180-0205 | \$35,000 |
| Location / Restoration | | 0180-0106 | \$200,000 | 0180-0206 | \$112,500 |
| Daywork / Turnkey / Footage Drilling | 26 days drig / 3 days comp @ \$29,000/d | 0180-0110 | \$805,300 | 0180-0210 | \$92,900 |
| Fuel | 1700 gal/day @ \$3.90/gal | 0180-0114 | \$184,100 | 0180-0214 | \$323,200 |
| Alternate Fuels | | 0180-0115 | | 0180-0215 | \$96,300 |
| Mud, Chemical & Additives | | 0180-0120 | \$40,000 | 0180-0220 | |
| Mud - Specialized | | 0180-0121 | \$200,000 | 0180-0221 | |
| Horizontal Drillout Services | | | | 0180-0222 | \$200,000 |
| Stimulation Toe Preparation | | | | 0180-0223 | \$40,000 |
| Cementing | | 0180-0125 | \$120,000 | 0180-0225 | \$4,500 |
| Logging & Wireline Services | | 0180-0130 | \$2,300 | 0180-0230 | \$364,500 |
| Casing / Tubing / Snubbing Service | | 0180-0134 | \$25,000 | 0180-0234 | \$15,000 |
| Mud Logging | | 0180-0137 | \$35,000 | | |
| Stimulation | 50 Stg 19.6 MMgal & 19.6 MMlbs | | | 0180-0241 | \$2,850,000 |
| Stimulation Rentals & Other | | | | 0180-0242 | \$278,000 |
| Water & Other | | 0180-0145 | \$35,000 | 0180-0245 | \$448,600 |
| Bits | | 0180-0148 | \$93,700 | 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 | \$120,000 | | |
| Transportation | | 0180-0165 | \$30,000 | 0180-0265 | \$74,500 |
| Welding, Construction, & Maint. Services | | 0180-0168 | \$4,000 | 0180-0268 | \$15,000 |
| Contract Services & Supervision | | 0180-0170 | \$83,300 | 0180-0270 | \$57,700 |
| Directional Services | Includes vertical control | 0180-0175 | \$393,000 | | |
| Equipment Rental | | 0180-0180 | \$194,600 | 0180-0280 | \$21,600 |
| Well / Lease Legal | | 0180-0184 | \$5,000 | 0180-0284 | |
| Well / Lease Insurance | | 0180-0185 | \$5,100 | 0180-0285 | |
| Intangible Supplies | | 0180-0188 | \$8,000 | 0180-0288 | \$1,000 |
| Damages | | 0180-0190 | \$30,000 | 0180-0290 | \$10,000 |
| Pipeline Interconnect & ROW Easements | | 0180-0192 | | 0180-0292 | \$5,000 |
| Company Supervision | | 0180-0195 | \$129,600 | 0180-0295 | \$62,400 |
| Overhead Fixed Rate | | 0180-0196 | \$10,000 | 0180-0296 | \$20,000 |
| Contingencies | 5% (TCP) 5% (CC) | 0180-0199 | \$143,800 | 0180-0299 | \$259,100 |
| TOTAL | | | \$3,018,800 | | \$5,441,300 |

| TANGIBLE COSTS 0181 | | CODE | TCP | CODE | CC |
|-------------------------------------|--|-----------|--------------------|-----------|--------------------|
| Casing (19.1" - 30") | | 0181-0793 | | | |
| Casing (10.1" - 19.0") | 1870' - 13 3/8" 54.5# J-55 ST&C @ \$76.30/ft | 0181-0794 | \$152,400 | | |
| Casing (8.1" - 10.0") | 5670' - 9 5/8" 40# HCL80 LT&C @ \$60.83/ft | 0181-0795 | \$368,400 | | |
| Casing (6.1" - 8.0") | 9850' - 7" 29# HPP110 BT&C @ \$59.83/ft | 0181-0796 | \$629,400 | | |
| Casing (4.1" - 6.0") | 10500' - 4 1/2" 13.5# HCP-110 CDC-HTQ @ \$33.47/ft | | | 0181-0797 | \$375,300 |
| Tubing | 9255' - 2 7/8" 6.5# L-80 IPC Tbg @ \$13.60/ft | | | 0181-0798 | \$134,400 |
| Drilling Head | | 0181-0860 | \$35,000 | | |
| Tubing Head & Upper Section | | | | 0181-0870 | \$30,000 |
| Horizontal Completion Tools | Completion liner hanger | | | 0181-0871 | \$50,000 |
| Subsurface Equip. & Artificial Lift | Packer | | | 0181-0880 | \$25,000 |
| Pumping Unit Systems | | | | 0181-0885 | |
| Service Pumps | (1/2) TP/CP/circ. pump | | | 0181-0886 | \$16,000 |
| Storage Tanks | (1/2) 6 - 750 bbl/5 - 750 bbl coated/1 - GB | | | 0181-0890 | \$203,000 |
| Emissions Control Equipment | (1/2) 2 - VRT/VRU/Flare/3 - KO/AIR | | | 0181-0892 | \$137,700 |
| Separation / Treating Equipment | (1/2) 2 - Hz. Sep./Mt. Sep/2 - Vt. HT | | | 0181-0895 | \$98,700 |
| Automation / Metering Equipment | Automation/Fiber/Meters | | | 0181-0898 | \$89,300 |
| Oil/Gas Pipeline, Valves, & Misc. | Facility gas work & GL injection | | | 0181-0900 | \$30,500 |
| Water Pipeline, Valves, & Misc. | SWDL pipe/fittings | | | 0181-0906 | \$101,200 |
| On-Site Valves, Fittings, Lines | Flowline & parts | | | 0181-0908 | \$202,600 |
| Cathodic Protection | | | | 0181-0909 | |
| Electrical Installation | | | | 0181-0910 | \$238,100 |
| Equipment Installation | | | | 0181-0920 | \$137,500 |
| Oil/Gas Pipeline Construction | Gas line construction | | | | \$12,500 |
| Water Pipeline Construction | SWDL construction | | | | \$79,200 |
| TOTAL | | | \$1,185,200 | | \$1,881,800 |
| SUBTOTAL | | | \$4,204,000 | | \$7,323,100 |

TOTAL WELL COST \$11,527,100

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

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

Prepared by: H. Buckley Date: 11/17/2022

Company Approval: _____ Date: _____

Joint Owner Interest: _____ Amount: _____

Joint Owner Name: _____ Signature: _____

Adriana Salgado

From: Dawson, Scott <sdawson@slo.state.nm.us>
Sent: Tuesday, April 11, 2023 3:48 PM
To: Adriana Salgado
Subject: [EXT] RE: North Wilson Deep Unit

Hi Adriana,

The Unit Agreement is an pooling agreement only between the SLO and Mewbourne. Earthstone is not a part of the Unit Agreement; therefore, **they cannot drill into or beneath the North Wilson Deep Unit.**

I am sending this e-mail to Paul Kautz (Hobbs NMOCD) – so he will be aware of this situation. I am also respectfully asking Paul **not** to approve Earthstone’s Outland State Com APD’s because they are trying to drill into Mewbourne’s unit.

After further review of the complications and development plans with this unit, Mewbourne can drill across the North Wilson Deep Unit boundary. Please try to minimize the need to drill across the unit boundary in the future for subsequent wells within your unit(s).

We discourage drilling across unit boundaries, but understand and agree to Mewbourne’s request for doing so in this case.

If you have any questions, or need further assistance, please contact me.

Thanks,

Scott Dawson

*Petroleum Specialist Advanced
Units Manager/Geologist
Oil, Gas and Minerals Division
505.827.5791
New Mexico State Land Office
310 Old Santa Fe Trail
P.O. Box 1148
Santa Fe, NM 87504-1148
sdawson@slo.state.nm.us
nmstatelands.org*



EXHIBIT 3

CONFIDENTIALITY NOTICE - This e-mail transmission, including all documents, files, or previous e-mail messages attached hereto, may contain confidential and/or legally privileged information. If you are not the intended recipient, or a person responsible for delivering it to the intended recipient, you are hereby notified that you must not read this transmission and that any disclosure, copying, printing, distribution, or use of any of the information contained in and/or attached to this transmission is **STRICTLY PROHIBITED**. If you have received this transmission in error, please immediately notify the sender and delete the original transmission and its attachments without reading or saving in any manner. Thank you.



Devon Energy Center
333 West Sheridan Avenue
Oklahoma City, OK 73102-5015

July 18, 2023

MEWBOURNE OIL COMPANY
Attention: Adriana Jimenez-Salgado
500 W. Texas Ave., #1020
Midland, Texas 79701

Re: **New Mexico Oil Conservation Division**
May 2023 Docket Letter of Support
Case Nos. 23365 & 23366

EXHIBIT

4

To Whom It May Concern:

Devon Energy Production Company, LP ("Devon") has been notified of Case Nos. 23365 & 23366 filed by Mewbourne Oil Company ("Mewbourne") before the New Mexico Oil Conservation Division ("NMOCD"). Devon is an interested party in Case Nos. 23365 & 23366 as a working interest owner. Case No. 23365 seeks the authorization to drill and complete a producing total of one (1) Bone Spring well on a proposed spacing unit described as the W2E2 of Section 7, and the W2E2 of Section 18, T21S-R35E, Lea County, New Mexico. Case No. 23366 seeks the authorization to drill and complete a producing total of one (1) Bone Spring well on a proposed spacing unit described as the E2E2 of Section 7, and the E2E2 of Section 18, T21S-R35E, Lea County, New Mexico.

23365: Application of Mewbourne Oil Company for compulsory pooling, Lea County, New Mexico. Mewbourne Oil Company seeks an order pooling all mineral interests in the Bone Spring formation underlying a horizontal spacing unit comprised of the W/2E/2 of Section 18 and the W/2E/2 of Section 7, Township 21 South, Range 35 East, NMPM. The unit will be dedicated to the North Wilson Deep Unit Well No. 8H, with a first take point in the SW/4SE/4 of Section 18 and a last take point in the NW/4NE/4 of Section 7. Also, to be considered will be the cost of drilling, completing, testing, 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, testing, and equipping the well. The unit is located approximately 8-1/2 miles west-southwest of Oil Center, New Mexico. 67.

23366: Application of Mewbourne Oil Company for compulsory pooling, Lea County, New Mexico. Mewbourne Oil Company seeks an order pooling all mineral interests in the Bone Spring formation underlying a horizontal spacing unit comprised of the E/2E/2 of Section 18 and the E/2E/2 of Section 7, Township 21 South, Range 35 East, NMPM. The unit will be dedicated to the North Wilson Deep Unit Well No. 9H, with a first take point in the SE/4SE/4 of Section 18 and a last take point in the NE/4NE/4 of Section 7. Also, to be considered will be the cost of drilling, completing, testing, 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, testing, and equipping the well. The unit is located approximately 8-1/2 miles west-southwest of Oil Center, New Mexico.

Devon hereby wishes to declare its support of Mewbourne's position per Case Nos. 23365 & 23366. Devon urges the Commission to approve Mewbourne's request for authorization to drill and complete a producing total of two (2) Bone Spring wells within the E2 of Section 7, and the E2 of Section 18, T21S-R35E, Lea County, New Mexico.

Should you have any questions, please do not hesitate to contact the undersigned.

Regards,

Devon Energy Production Company, LP



Daniel J. Brunsman
Advising Landman
405.228.2896
daniel.brunsmann@dvn.com

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

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

Case No. 23365

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

Case No. 23366

SELF-AFFIRMED STATEMENT OF JORDAN CARRELL

Jordan Carrell 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. I am the geologist for Mewbourne on its North Wilson Deep Unit wells.
3. The following geological plats are attached hereto:
 - (a) Attachment A is a structure map on the base of the 2nd Bone Spring Sand. It shows that structure dips to the southwest. It also shows Bone Spring wells in the area, and a line of cross-section.
 - (b) Mewbourne's proposed proration units collectively cover the E/2 of Sections 7 and 18, Township 21 South, Range 35 East, NMPM. Bone Spring development has already occurred south of Section 18. The E/2 of Section 18 was included in the proration unit so that it didn't have to be developed with 1 mile laterals.
 - (c) Attachment B is a cross section of the 2nd Bone Spring Sand showing the target zone in the North Wilson Deep Unit State Com. Well Nos. 8H and 9H. They will target the lower 2nd Bone Spring Sand. This is the same target zone as in Mewbourne's North Wilson Deep Unit State Com. Well Nos. 3H and 6H. Well Nos. 3H, 4H, 6H, and 7H have already been drilled and completed in the 2nd Bone Spring Sand. Mewbourne has experience drilling in this area.

The well logs on the cross-section give a representative sample of the 2nd Bone Spring Sand in this area. The sand is continuous and uniformly thick across the well units.

EXHIBIT **5**

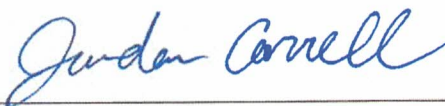
4. I conclude from the maps that:

- (a) The proposed horizontal spacing units are justified from a geologic standpoint.
- (b) The target zones are continuous and of relatively uniform thickness across the well units.
- (c) Each quarter-quarter section in the well units will contribute more or less equally to production from the target zone.
- (d) There is no faulting or other geologic impediment in the area which will affect the drilling of the subject wells.

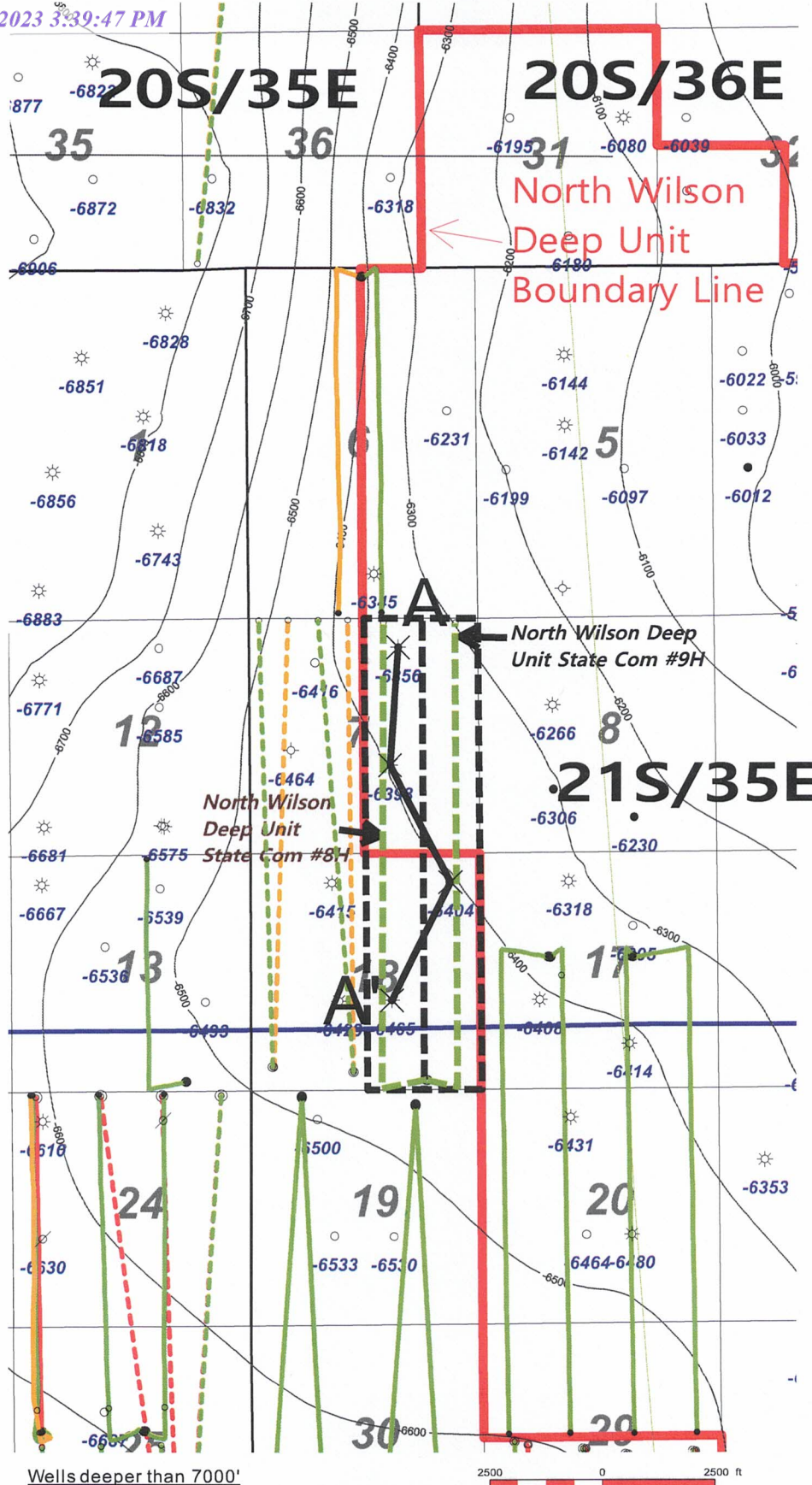
5. Attachment C contains the horizontal drilling plans for the proposed wells. The producing intervals of the wells will be orthodox.

6. 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 is true and correct and is made under penalty of perjury under the laws of the State of New Mexico. My testimony is made as of the date handwritten next to my signature below.

Date: 9-12-2023



Jordan Carrell



5-A
ATTACHMENT

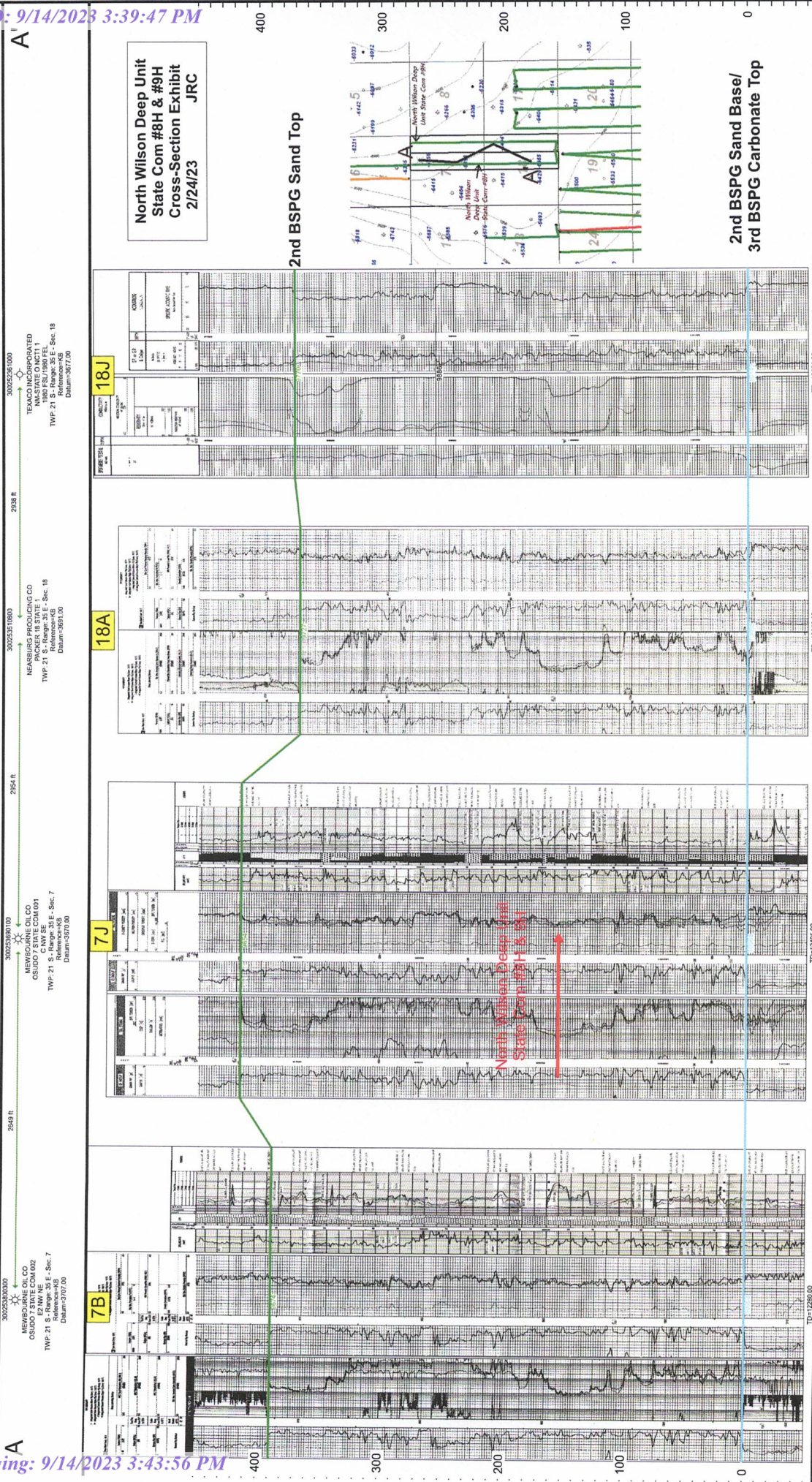
Wells deeper than 7000'

2nd BSPG Base (sub sea ft)

BSPG Horizontal Color Code

- 1st BSPG Sand Well
- 1st BSPG Sand Permit
- 2nd BSPG Sand Well
- 2nd BSPG Sand Permit
- 3rd BSPG Sand Well
- 3rd BSPG Sand Permit

| | | |
|---|------------|------------|
| MOC Mewbourne Oil Company | | |
| North Wilson Deep Unit State Com #8H & #9H | | |
| Base of 2nd BSPG Structure Map | | |
| C.I. = 100' | | |
| 9/12/23 | Lea County | New Mexico |



5-B
ATTACHMENT

Mewbourne Oil Company

SURVEY CALCULATION REPORT Minimum Curvature Calculations

Operator: Mewbourne Oil Company
Lease Name: North Wilson Deep Unit State Com #8H
KOP 9448.04
SL: 205 FSL & 1230 FEL Sec 18-21S-35E
BHL: 100 FNL & 2100 FEL Sec 7-21S-35E

Target KBTVD: 10,021 Feet 10021.00
Target Angle: 90.74 Degrees 90.74
Section Plane: 355.07 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 (RADIAN) |
|-----------|-------------------|-------------|---------------|---------------|------------|------------------|--------------|--------------|------------------|-------------------|------|------|---------|---------------|---------|---------------|------------------|
| | | | | | | | | | | | | | | -Below Target | | | |
| T/I | 9448.04 | 0.00 | 355.07 | N/A | 9448.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | N/A | N/A | 9448.0 | 573.0 | 1E-12 | 6.20 | #VALUE! |
| 1 | 9538.78 | 9.07 | 355.07 | 90.7369 | 9538.4 | 7.2 | 7.1 | -0.6 | 7.2 | 355.1 | 10.0 | 10.0 | 9538.5 | 482.5 | 0.15837 | 6.20 | 0.1583658 |
| 2 | 9629.52 | 18.15 | 355.07 | 90.7369 | 9626.5 | 28.5 | 28.4 | -2.4 | 28.5 | 355.1 | 10.0 | 10.0 | 9626.9 | 394.1 | 0.31673 | 6.20 | 0.1583658 |
| 3 | 9720.25 | 27.22 | 355.07 | 90.7369 | 9710.1 | 63.5 | 63.2 | -5.5 | 63.5 | 355.1 | 10.0 | 10.0 | 9710.9 | 310.1 | 0.4751 | 6.20 | 0.1583658 |
| 4 | 9810.99 | 36.29 | 355.07 | 90.7369 | 9787.2 | 111.2 | 110.8 | -9.5 | 111.2 | 355.1 | 10.0 | 10.0 | 9788.6 | 232.4 | 0.63346 | 6.20 | 0.1583658 |
| 5 | 9901.73 | 45.37 | 355.07 | 90.7369 | 9855.8 | 170.4 | 169.8 | -14.6 | 170.4 | 355.1 | 10.0 | 10.0 | 9858.0 | 163.0 | 0.79183 | 6.20 | 0.1583658 |
| 6 | 9992.46 | 54.44 | 355.07 | 90.7369 | 9914.2 | 239.8 | 238.9 | -20.6 | 239.8 | 355.1 | 10.0 | 10.0 | 9917.2 | 103.8 | 0.95019 | 6.20 | 0.1583658 |
| 7 | 10083.20 | 63.52 | 355.07 | 90.7369 | 9960.9 | 317.4 | 316.3 | -27.3 | 317.4 | 355.1 | 10.0 | 10.0 | 9965.0 | 56.0 | 1.10856 | 6.20 | 0.1583658 |
| 8 | 10173.94 | 72.59 | 355.07 | 90.7369 | 9994.8 | 401.5 | 400.0 | -34.5 | 401.5 | 355.1 | 10.0 | 10.0 | 9999.9 | 21.1 | 1.26693 | 6.20 | 0.1583658 |
| 9 | 10264.87 | 81.66 | 355.07 | 90.7369 | 10014.9 | 489.9 | 488.1 | -42.1 | 489.9 | 355.1 | 10.0 | 10.0 | 10021.2 | -0.2 | 1.42529 | 6.20 | 0.1583658 |
| 10 | 10355.41 | 90.74 | 355.07 | 90.7369 | 10021.0 | 580.3 | 578.2 | -49.8 | 580.3 | 355.1 | 10.0 | 10.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 0.1583658 |
| 11 | 10400.00 | 90.74 | 355.07 | 44.5888 | 10020.4 | 624.9 | 622.6 | -53.7 | 624.9 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 12 | 10500.00 | 90.74 | 355.07 | 100 | 10019.1 | 724.9 | 722.2 | -62.3 | 724.9 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 13 | 10600.00 | 90.74 | 355.07 | 100 | 10017.8 | 824.9 | 821.8 | -70.9 | 824.9 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 14 | 10700.00 | 90.74 | 355.07 | 100 | 10016.5 | 924.9 | 921.5 | -79.4 | 924.9 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 15 | 10800.00 | 90.74 | 355.07 | 100 | 10015.2 | 1024.9 | 1021.1 | -88.0 | 1024.9 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 16 | 10900.00 | 90.74 | 355.07 | 100 | 10013.9 | 1124.9 | 1120.7 | -96.6 | 1124.9 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 17 | 11000.00 | 90.74 | 355.07 | 100 | 10012.7 | 1224.9 | 1220.3 | -105.2 | 1224.9 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 18 | 11100.00 | 90.74 | 355.07 | 100 | 10011.4 | 1324.9 | 1320.0 | -113.8 | 1324.9 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 19 | 11200.00 | 90.74 | 355.07 | 100 | 10010.1 | 1424.8 | 1419.6 | -122.4 | 1424.8 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 20 | 11300.00 | 90.74 | 355.07 | 100 | 10008.8 | 1524.8 | 1519.2 | -131.0 | 1524.8 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 21 | 11400.00 | 90.74 | 355.07 | 100 | 10007.5 | 1624.8 | 1618.8 | -139.6 | 1624.8 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 22 | 11500.00 | 90.74 | 355.07 | 100 | 10006.2 | 1724.8 | 1718.4 | -148.2 | 1724.8 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 23 | 11600.00 | 90.74 | 355.07 | 100 | 10004.9 | 1824.8 | 1818.1 | -156.7 | 1824.8 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 24 | 11700.00 | 90.74 | 355.07 | 100 | 10003.7 | 1924.8 | 1917.7 | -165.3 | 1924.8 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 25 | 11800.00 | 90.74 | 355.07 | 100 | 10002.4 | 2024.8 | 2017.3 | -173.9 | 2024.8 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 26 | 11900.00 | 90.74 | 355.07 | 100 | 10001.1 | 2124.8 | 2116.9 | -182.5 | 2124.8 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 27 | 12000.00 | 90.74 | 355.07 | 100 | 9999.8 | 2224.8 | 2216.6 | -191.1 | 2224.8 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 28 | 12100.00 | 90.74 | 355.07 | 100 | 9998.5 | 2324.8 | 2316.2 | -199.7 | 2324.8 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 29 | 12200.00 | 90.74 | 355.07 | 100 | 9997.2 | 2424.8 | 2415.8 | -208.3 | 2424.8 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 30 | 12300.00 | 90.74 | 355.07 | 100 | 9995.9 | 2524.8 | 2515.4 | -216.9 | 2524.8 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 31 | 12400.00 | 90.74 | 355.07 | 100 | 9994.7 | 2624.7 | 2615.0 | -225.4 | 2624.7 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 32 | 12500.00 | 90.74 | 355.07 | 100 | 9993.4 | 2724.7 | 2714.7 | -234.0 | 2724.7 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 33 | 12600.00 | 90.74 | 355.07 | 100 | 9992.1 | 2824.7 | 2814.3 | -242.6 | 2824.7 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 34 | 12700.00 | 90.74 | 355.07 | 100 | 9990.8 | 2924.7 | 2913.9 | -251.2 | 2924.7 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 35 | 12800.00 | 90.74 | 355.07 | 100 | 9989.5 | 3024.7 | 3013.5 | -259.8 | 3024.7 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 36 | 12900.00 | 90.74 | 355.07 | 100 | 9988.2 | 3124.7 | 3113.2 | -268.4 | 3124.7 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 37 | 13000.00 | 90.74 | 355.07 | 100 | 9986.9 | 3224.7 | 3212.8 | -277.0 | 3224.7 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 38 | 13100.00 | 90.74 | 355.07 | 100 | 9985.7 | 3324.7 | 3312.4 | -285.6 | 3324.7 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 39 | 13200.00 | 90.74 | 355.07 | 100 | 9984.4 | 3424.7 | 3412.0 | -294.2 | 3424.7 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 40 | 13300.00 | 90.74 | 355.07 | 100 | 9983.1 | 3524.7 | 3511.6 | -302.7 | 3524.7 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 41 | 13400.00 | 90.74 | 355.07 | 100 | 9981.8 | 3624.7 | 3611.3 | -311.3 | 3624.7 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 42 | 13500.00 | 90.74 | 355.07 | 100 | 9980.5 | 3724.7 | 3710.9 | -319.9 | 3724.7 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 43 | 13600.00 | 90.74 | 355.07 | 100 | 9979.2 | 3824.6 | 3810.5 | -328.5 | 3824.6 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 44 | 13700.00 | 90.74 | 355.07 | 100 | 9977.9 | 3924.6 | 3910.1 | -337.1 | 3924.6 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 45 | 13800.00 | 90.74 | 355.07 | 100 | 9976.7 | 4024.6 | 4009.8 | -345.7 | 4024.6 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 46 | 13900.00 | 90.74 | 355.07 | 100 | 9975.4 | 4124.6 | 4109.4 | -354.3 | 4124.6 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 47 | 14000.00 | 90.74 | 355.07 | 100 | 9974.1 | 4224.6 | 4209.0 | -362.9 | 4224.6 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 48 | 14100.00 | 90.74 | 355.07 | 100 | 9972.8 | 4324.6 | 4308.6 | -371.5 | 4324.6 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 49 | 14200.00 | 90.74 | 355.07 | 100 | 9971.5 | 4424.6 | 4408.2 | -380.0 | 4424.6 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 50 | 14300.00 | 90.74 | 355.07 | 100 | 9970.2 | 4524.6 | 4507.9 | -388.6 | 4524.6 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 51 | 14400.00 | 90.74 | 355.07 | 100 | 9968.9 | 4624.6 | 4607.5 | -397.2 | 4624.6 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 52 | 14500.00 | 90.74 | 355.07 | 100 | 9967.6 | 4724.6 | 4707.1 | -405.8 | 4724.6 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 53 | 14600.00 | 90.74 | 355.07 | 100 | 9966.4 | 4824.6 | 4806.7 | -414.4 | 4824.6 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 54 | 14700.00 | 90.74 | 355.07 | 100 | 9965.1 | 4924.6 | 4906.4 | -423.0 | 4924.6 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 55 | 14800.00 | 90.74 | 355.07 | 100 | 9963.8 | 5024.5 | 5006.0 | -431.6 | 5024.5 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 56 | 14900.00 | 90.74 | 355.07 | 100 | 9962.5 | 5124.5 | 5105.6 | -440.2 | 5124.5 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |

ATTACHMENT 5-C

| | | | | | | | | | | | | | | | | | |
|-----|----------|-------|--------|---------|--------|---------|---------|--------|---------|-------|-----|-----|---------|------|---------|------|-------|
| 57 | 15000.00 | 90.74 | 355.07 | 100 | 9961.2 | 5224.5 | 5205.2 | -448.8 | 5224.5 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 58 | 15100.00 | 90.74 | 355.07 | 100 | 9959.9 | 5324.5 | 5304.8 | -457.3 | 5324.5 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 59 | 15200.00 | 90.74 | 355.07 | 100 | 9958.6 | 5424.5 | 5404.5 | -465.9 | 5424.5 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 60 | 15300.00 | 90.74 | 355.07 | 100 | 9957.4 | 5524.5 | 5504.1 | -474.5 | 5524.5 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 61 | 15400.00 | 90.74 | 355.07 | 100 | 9956.1 | 5624.5 | 5603.7 | -483.1 | 5624.5 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 62 | 15500.00 | 90.74 | 355.07 | 100 | 9954.8 | 5724.5 | 5703.3 | -491.7 | 5724.5 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 63 | 15600.00 | 90.74 | 355.07 | 100 | 9953.5 | 5824.5 | 5803.0 | -500.3 | 5824.5 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 64 | 15700.00 | 90.74 | 355.07 | 100 | 9952.2 | 5924.5 | 5902.6 | -508.9 | 5924.5 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 65 | 15800.00 | 90.74 | 355.07 | 100 | 9950.9 | 6024.5 | 6002.2 | -517.5 | 6024.5 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 66 | 15900.00 | 90.74 | 355.07 | 100 | 9949.6 | 6124.5 | 6101.8 | -526.1 | 6124.5 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 67 | 16000.00 | 90.74 | 355.07 | 100 | 9948.4 | 6224.4 | 6201.4 | -534.6 | 6224.4 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 68 | 16100.00 | 90.74 | 355.07 | 100 | 9947.1 | 6324.4 | 6301.1 | -543.2 | 6324.4 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 69 | 16200.00 | 90.74 | 355.07 | 100 | 9945.8 | 6424.4 | 6400.7 | -551.8 | 6424.4 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 70 | 16300.00 | 90.74 | 355.07 | 100 | 9944.5 | 6524.4 | 6500.3 | -560.4 | 6524.4 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 71 | 16400.00 | 90.74 | 355.07 | 100 | 9943.2 | 6624.4 | 6599.9 | -569.0 | 6624.4 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 72 | 16500.00 | 90.74 | 355.07 | 100 | 9941.9 | 6724.4 | 6699.6 | -577.6 | 6724.4 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 73 | 16600.00 | 90.74 | 355.07 | 100 | 9940.6 | 6824.4 | 6799.2 | -586.2 | 6824.4 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 74 | 16700.00 | 90.74 | 355.07 | 100 | 9939.4 | 6924.4 | 6898.8 | -594.8 | 6924.4 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 75 | 16800.00 | 90.74 | 355.07 | 100 | 9938.1 | 7024.4 | 6998.4 | -603.4 | 7024.4 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 76 | 16900.00 | 90.74 | 355.07 | 100 | 9936.8 | 7124.4 | 7098.0 | -611.9 | 7124.4 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 77 | 17000.00 | 90.74 | 355.07 | 100 | 9935.5 | 7224.4 | 7197.7 | -620.5 | 7224.4 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 78 | 17100.00 | 90.74 | 355.07 | 100 | 9934.2 | 7324.4 | 7297.3 | -629.1 | 7324.4 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 79 | 17200.00 | 90.74 | 355.07 | 100 | 9932.9 | 7424.3 | 7396.9 | -637.7 | 7424.3 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 80 | 17300.00 | 90.74 | 355.07 | 100 | 9931.6 | 7524.3 | 7496.5 | -646.3 | 7524.3 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 81 | 17400.00 | 90.74 | 355.07 | 100 | 9930.4 | 7624.3 | 7596.2 | -654.9 | 7624.3 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 82 | 17500.00 | 90.74 | 355.07 | 100 | 9929.1 | 7724.3 | 7695.8 | -663.5 | 7724.3 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 83 | 17600.00 | 90.74 | 355.07 | 100 | 9927.8 | 7824.3 | 7795.4 | -672.1 | 7824.3 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 84 | 17700.00 | 90.74 | 355.07 | 100 | 9926.5 | 7924.3 | 7895.0 | -680.6 | 7924.3 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 85 | 17800.00 | 90.74 | 355.07 | 100 | 9925.2 | 8024.3 | 7994.6 | -689.2 | 8024.3 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 86 | 17900.00 | 90.74 | 355.07 | 100 | 9923.9 | 8124.3 | 8094.3 | -697.8 | 8124.3 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 87 | 18000.00 | 90.74 | 355.07 | 100 | 9922.6 | 8224.3 | 8193.9 | -706.4 | 8224.3 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 88 | 18100.00 | 90.74 | 355.07 | 100 | 9921.4 | 8324.3 | 8293.5 | -715.0 | 8324.3 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 89 | 18200.00 | 90.74 | 355.07 | 100 | 9920.1 | 8424.3 | 8393.1 | -723.6 | 8424.3 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 90 | 18300.00 | 90.74 | 355.07 | 100 | 9918.8 | 8524.3 | 8492.8 | -732.2 | 8524.3 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 91 | 18400.00 | 90.74 | 355.07 | 100 | 9917.5 | 8624.3 | 8592.4 | -740.8 | 8624.3 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 92 | 18500.00 | 90.74 | 355.07 | 100 | 9916.2 | 8724.2 | 8692.0 | -749.4 | 8724.2 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 93 | 18600.00 | 90.74 | 355.07 | 100 | 9914.9 | 8824.2 | 8791.6 | -757.9 | 8824.2 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 94 | 18700.00 | 90.74 | 355.07 | 100 | 9913.6 | 8924.2 | 8891.2 | -766.5 | 8924.2 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 95 | 18800.00 | 90.74 | 355.07 | 100 | 9912.3 | 9024.2 | 8990.9 | -775.1 | 9024.2 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 96 | 18900.00 | 90.74 | 355.07 | 100 | 9911.1 | 9124.2 | 9090.5 | -783.7 | 9124.2 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 97 | 19000.00 | 90.74 | 355.07 | 100 | 9909.8 | 9224.2 | 9190.1 | -792.3 | 9224.2 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 98 | 19100.00 | 90.74 | 355.07 | 100 | 9908.5 | 9324.2 | 9289.7 | -800.9 | 9324.2 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 99 | 19200.00 | 90.74 | 355.07 | 100 | 9907.2 | 9424.2 | 9389.4 | -809.5 | 9424.2 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 100 | 19300.00 | 90.74 | 355.07 | 100 | 9905.9 | 9524.2 | 9489.0 | -818.1 | 9524.2 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 101 | 19400.00 | 90.74 | 355.07 | 100 | 9904.6 | 9624.2 | 9588.6 | -826.7 | 9624.2 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 102 | 19500.00 | 90.74 | 355.07 | 100 | 9903.3 | 9724.2 | 9688.2 | -835.2 | 9724.2 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 103 | 19600.00 | 90.74 | 355.07 | 100 | 9902.1 | 9824.2 | 9787.8 | -843.8 | 9824.2 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 104 | 19700.00 | 90.74 | 355.07 | 100 | 9900.8 | 9924.1 | 9887.5 | -852.4 | 9924.1 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 105 | 19800.00 | 90.74 | 355.07 | 100 | 9899.5 | 10024.1 | 9987.1 | -861.0 | 10024.1 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 106 | 19900.00 | 90.74 | 355.07 | 100 | 9898.2 | 10124.1 | 10086.7 | -869.6 | 10124.1 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 107 | 20000.00 | 90.74 | 355.07 | 100 | 9896.9 | 10224.1 | 10186.3 | -878.2 | 10224.1 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |
| 108 | 20066.62 | 90.74 | 355.07 | 66.6191 | 9896.1 | 10290.7 | 10252.7 | -883.9 | 10290.7 | 355.1 | 0.0 | 0.0 | 10028.4 | -7.4 | 1.58366 | 6.20 | 1E-10 |

Mewbourne Oil Company

SURVEY CALCULATION REPORT Minimum Curvature Calculations

Operator: Mewbourne Oil Company
Lease Name: North Wilson Deep Unit Sate Com#9H
KOP 9428.04
SL: 205 FSL & 1200 FEL Sec 18-21S-35E
BHL: 100 FNL & 500 FEL Sec 7-21S-35E

Target KBTVD: 10,001 Feet 10001.00
Target Angle: 91.00 Degrees 91.00
Section Plane: 3.83 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 | KBTVD | +Above | | | |
|-----------|-------------------|-------------|---------------|---------------|------------|------------------|--------------|--------------|------------------|-------------------|------|------|---------|---------------|---------------|------------------|----------|
| | | | | | | | | | | | | | | -Below Target | DRIFT RADIANS | AZIMUTH (RADIAN) | |
| T/I | 9428.04 | 0.00 | 3.83 | N/A | 9428.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | N/A | N/A | 9428.0 | 573.0 | 1E-12 | 0.07 | #VALUE! |
| 1 | 9519.05 | 9.10 | 3.83 | 91.005 | 9518.7 | 7.2 | 7.2 | 0.5 | 7.2 | 3.8 | 10.0 | 10.0 | 9518.8 | 482.2 | 0.15883 | 0.07 | 0.158834 |
| 2 | 9610.05 | 16.20 | 3.83 | 91.005 | 9607.0 | 28.7 | 28.6 | 1.9 | 28.7 | 3.8 | 10.0 | 10.0 | 9607.5 | 393.5 | 0.31767 | 0.07 | 0.158834 |
| 3 | 9701.06 | 27.30 | 3.83 | 91.005 | 9690.8 | 63.8 | 63.7 | 4.3 | 63.8 | 3.8 | 10.0 | 10.0 | 9692.0 | 309.0 | 0.4765 | 0.07 | 0.158834 |
| 4 | 9792.06 | 36.40 | 3.83 | 91.005 | 9768.1 | 111.8 | 111.5 | 7.5 | 111.8 | 3.8 | 10.0 | 10.0 | 9770.0 | 231.0 | 0.63533 | 0.07 | 0.158834 |
| 5 | 9883.07 | 45.50 | 3.83 | 91.005 | 9836.7 | 171.4 | 171.0 | 11.4 | 171.4 | 3.8 | 10.0 | 10.0 | 9839.7 | 161.3 | 0.79417 | 0.07 | 0.158834 |
| 6 | 9974.07 | 54.60 | 3.83 | 91.005 | 9895.1 | 241.1 | 240.5 | 16.1 | 241.1 | 3.8 | 10.0 | 10.0 | 9899.3 | 101.7 | 0.953 | 0.07 | 0.158834 |
| 7 | 10065.08 | 63.70 | 3.83 | 91.005 | 9941.7 | 319.1 | 318.4 | 21.3 | 319.1 | 3.8 | 10.0 | 10.0 | 9947.3 | 53.7 | 1.11184 | 0.07 | 0.158834 |
| 8 | 10156.08 | 72.80 | 3.83 | 91.005 | 9975.4 | 403.6 | 402.7 | 27.0 | 403.6 | 3.8 | 10.0 | 10.0 | 9982.5 | 18.5 | 1.27067 | 0.07 | 0.158834 |
| 9 | 10247.09 | 81.90 | 3.83 | 91.005 | 9995.3 | 492.3 | 491.2 | 32.9 | 492.3 | 3.8 | 10.0 | 10.0 | 10003.9 | -2.9 | 1.4295 | 0.07 | 0.158834 |
| 10 | 10338.09 | 91.00 | 3.83 | 91.005 | 10000.9 | 583.0 | 581.7 | 38.9 | 583.0 | 3.8 | 10.0 | 10.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 0.158834 |
| 11 | 10400.00 | 91.00 | 3.83 | 61.908 | 9999.8 | 644.9 | 643.5 | 43.1 | 644.9 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 12 | 10500.00 | 91.00 | 3.83 | 100 | 9998.1 | 744.9 | 743.2 | 49.8 | 744.9 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 13 | 10600.00 | 91.00 | 3.83 | 100 | 9996.3 | 844.9 | 843.0 | 56.4 | 844.9 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 14 | 10700.00 | 91.00 | 3.83 | 100 | 9994.6 | 944.9 | 942.7 | 63.1 | 944.9 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 15 | 10800.00 | 91.00 | 3.83 | 100 | 9992.8 | 1044.8 | 1042.5 | 69.8 | 1044.8 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 16 | 10900.00 | 91.00 | 3.83 | 100 | 9991.1 | 1144.8 | 1142.3 | 76.5 | 1144.8 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 17 | 11000.00 | 91.00 | 3.83 | 100 | 9989.3 | 1244.8 | 1242.0 | 83.2 | 1244.8 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 18 | 11100.00 | 91.00 | 3.83 | 100 | 9987.5 | 1344.8 | 1341.8 | 89.8 | 1344.8 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 19 | 11200.00 | 91.00 | 3.83 | 100 | 9985.8 | 1444.8 | 1441.6 | 96.5 | 1444.8 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 20 | 11300.00 | 91.00 | 3.83 | 100 | 9984.0 | 1544.8 | 1541.3 | 103.2 | 1544.8 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 21 | 11400.00 | 91.00 | 3.83 | 100 | 9982.3 | 1644.8 | 1641.1 | 109.9 | 1644.8 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 22 | 11500.00 | 91.00 | 3.83 | 100 | 9980.5 | 1744.7 | 1740.8 | 116.6 | 1744.7 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 23 | 11600.00 | 91.00 | 3.83 | 100 | 9978.8 | 1844.7 | 1840.6 | 123.2 | 1844.7 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 24 | 11700.00 | 91.00 | 3.83 | 100 | 9977.0 | 1944.7 | 1940.4 | 129.9 | 1944.7 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 25 | 11800.00 | 91.00 | 3.83 | 100 | 9975.3 | 2044.7 | 2040.1 | 136.6 | 2044.7 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 26 | 11900.00 | 91.00 | 3.83 | 100 | 9973.5 | 2144.7 | 2139.9 | 143.3 | 2144.7 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 27 | 12000.00 | 91.00 | 3.83 | 100 | 9971.8 | 2244.7 | 2239.6 | 150.0 | 2244.7 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 28 | 12100.00 | 91.00 | 3.83 | 100 | 9970.0 | 2344.6 | 2339.4 | 156.6 | 2344.6 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 29 | 12200.00 | 91.00 | 3.83 | 100 | 9968.3 | 2444.6 | 2439.2 | 163.3 | 2444.6 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 30 | 12300.00 | 91.00 | 3.83 | 100 | 9966.5 | 2544.6 | 2539.9 | 170.0 | 2544.6 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 31 | 12400.00 | 91.00 | 3.83 | 100 | 9964.7 | 2644.6 | 2638.7 | 176.7 | 2644.6 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 32 | 12500.00 | 91.00 | 3.83 | 100 | 9963.0 | 2744.6 | 2738.5 | 183.4 | 2744.6 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 33 | 12600.00 | 91.00 | 3.83 | 100 | 9961.2 | 2844.6 | 2838.2 | 190.0 | 2844.6 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 34 | 12700.00 | 91.00 | 3.83 | 100 | 9959.5 | 2944.6 | 2938.0 | 196.7 | 2944.6 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 35 | 12800.00 | 91.00 | 3.83 | 100 | 9957.7 | 3044.5 | 3037.7 | 203.4 | 3044.5 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 36 | 12900.00 | 91.00 | 3.83 | 100 | 9956.0 | 3144.5 | 3137.5 | 210.1 | 3144.5 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 37 | 13000.00 | 91.00 | 3.83 | 100 | 9954.2 | 3244.5 | 3237.3 | 216.8 | 3244.5 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 38 | 13100.00 | 91.00 | 3.83 | 100 | 9952.5 | 3344.5 | 3337.0 | 223.4 | 3344.5 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 39 | 13200.00 | 91.00 | 3.83 | 100 | 9950.7 | 3444.5 | 3436.8 | 230.1 | 3444.5 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 40 | 13300.00 | 91.00 | 3.83 | 100 | 9949.0 | 3544.5 | 3536.5 | 236.8 | 3544.5 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 41 | 13400.00 | 91.00 | 3.83 | 100 | 9947.2 | 3644.4 | 3636.3 | 243.5 | 3644.4 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 42 | 13500.00 | 91.00 | 3.83 | 100 | 9945.5 | 3744.4 | 3736.1 | 250.2 | 3744.4 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 43 | 13600.00 | 91.00 | 3.83 | 100 | 9943.7 | 3844.4 | 3835.8 | 256.8 | 3844.4 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 44 | 13700.00 | 91.00 | 3.83 | 100 | 9941.9 | 3944.4 | 3935.6 | 263.5 | 3944.4 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 45 | 13800.00 | 91.00 | 3.83 | 100 | 9940.2 | 4044.4 | 4035.3 | 270.2 | 4044.4 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 46 | 13900.00 | 91.00 | 3.83 | 100 | 9938.4 | 4144.4 | 4135.1 | 276.9 | 4144.4 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 47 | 14000.00 | 91.00 | 3.83 | 100 | 9936.7 | 4244.4 | 4234.9 | 283.6 | 4244.4 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 48 | 14100.00 | 91.00 | 3.83 | 100 | 9934.9 | 4344.3 | 4334.6 | 290.2 | 4344.3 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 49 | 14200.00 | 91.00 | 3.83 | 100 | 9933.2 | 4444.3 | 4434.4 | 296.9 | 4444.3 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 50 | 14300.00 | 91.00 | 3.83 | 100 | 9931.4 | 4544.3 | 4534.2 | 303.6 | 4544.3 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 51 | 14400.00 | 91.00 | 3.83 | 100 | 9929.7 | 4644.3 | 4633.9 | 310.3 | 4644.3 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 52 | 14500.00 | 91.00 | 3.83 | 100 | 9927.9 | 4744.3 | 4733.7 | 317.0 | 4744.3 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 53 | 14600.00 | 91.00 | 3.83 | 100 | 9926.2 | 4844.3 | 4833.4 | 323.6 | 4844.3 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 54 | 14700.00 | 91.00 | 3.83 | 100 | 9924.4 | 4944.2 | 4933.2 | 330.3 | 4944.2 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 55 | 14800.00 | 91.00 | 3.83 | 100 | 9922.7 | 5044.2 | 5033.0 | 337.0 | 5044.2 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 56 | 14900.00 | 91.00 | 3.83 | 100 | 9920.9 | 5144.2 | 5132.7 | 343.7 | 5144.2 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |

| | | | | | | | | | | | | | | | | | |
|-----|----------|-------|------|--------|--------|---------|---------|-------|---------|-----|-----|-----|---------|-------|---------|------|-------|
| 57 | 15000.00 | 91.00 | 3.83 | 100 | 9919.1 | 5244.2 | 5232.5 | 350.4 | 5244.2 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 58 | 15100.00 | 91.00 | 3.83 | 100 | 9917.4 | 5344.2 | 5332.2 | 357.0 | 5344.2 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 59 | 15200.00 | 91.00 | 3.83 | 100 | 9915.6 | 5444.2 | 5432.0 | 363.7 | 5444.2 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 60 | 15300.00 | 91.00 | 3.83 | 100 | 9913.9 | 5544.2 | 5531.8 | 370.4 | 5544.2 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 61 | 15400.00 | 91.00 | 3.83 | 100 | 9912.1 | 5644.1 | 5631.5 | 377.1 | 5644.1 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 62 | 15500.00 | 91.00 | 3.83 | 100 | 9910.4 | 5744.1 | 5731.3 | 383.8 | 5744.1 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 63 | 15600.00 | 91.00 | 3.83 | 100 | 9908.6 | 5844.1 | 5831.0 | 390.4 | 5844.1 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 64 | 15700.00 | 91.00 | 3.83 | 100 | 9906.9 | 5944.1 | 5930.8 | 397.1 | 5944.1 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 65 | 15800.00 | 91.00 | 3.83 | 100 | 9905.1 | 6044.1 | 6030.6 | 403.8 | 6044.1 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 66 | 15900.00 | 91.00 | 3.83 | 100 | 9903.4 | 6144.1 | 6130.3 | 410.5 | 6144.1 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 67 | 16000.00 | 91.00 | 3.83 | 100 | 9901.6 | 6244.0 | 6230.1 | 417.2 | 6244.0 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 68 | 16100.00 | 91.00 | 3.83 | 100 | 9899.9 | 6344.0 | 6329.9 | 423.8 | 6344.0 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 69 | 16200.00 | 91.00 | 3.83 | 100 | 9898.1 | 6444.0 | 6429.6 | 430.5 | 6444.0 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 70 | 16300.00 | 91.00 | 3.83 | 100 | 9896.3 | 6544.0 | 6529.4 | 437.2 | 6544.0 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 71 | 16400.00 | 91.00 | 3.83 | 100 | 9894.6 | 6644.0 | 6629.1 | 443.9 | 6644.0 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 72 | 16500.00 | 91.00 | 3.83 | 100 | 9892.8 | 6744.0 | 6728.9 | 450.6 | 6744.0 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 73 | 16600.00 | 91.00 | 3.83 | 100 | 9891.1 | 6844.0 | 6828.7 | 457.2 | 6844.0 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 74 | 16700.00 | 91.00 | 3.83 | 100 | 9889.3 | 6943.9 | 6928.4 | 463.9 | 6943.9 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 75 | 16800.00 | 91.00 | 3.83 | 100 | 9887.6 | 7043.9 | 7028.2 | 470.6 | 7043.9 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 76 | 16900.00 | 91.00 | 3.83 | 100 | 9885.8 | 7143.9 | 7127.9 | 477.3 | 7143.9 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 77 | 17000.00 | 91.00 | 3.83 | 100 | 9884.1 | 7243.9 | 7227.7 | 484.0 | 7243.9 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 78 | 17100.00 | 91.00 | 3.83 | 100 | 9882.3 | 7343.9 | 7327.5 | 490.6 | 7343.9 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 79 | 17200.00 | 91.00 | 3.83 | 100 | 9880.6 | 7443.9 | 7427.2 | 497.3 | 7443.9 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 80 | 17300.00 | 91.00 | 3.83 | 100 | 9878.8 | 7543.8 | 7527.0 | 504.0 | 7543.8 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 81 | 17400.00 | 91.00 | 3.83 | 100 | 9877.1 | 7643.8 | 7626.8 | 510.7 | 7643.8 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 82 | 17500.00 | 91.00 | 3.83 | 100 | 9875.3 | 7743.8 | 7726.5 | 517.3 | 7743.8 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 83 | 17600.00 | 91.00 | 3.83 | 100 | 9873.5 | 7843.8 | 7826.3 | 524.0 | 7843.8 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 84 | 17700.00 | 91.00 | 3.83 | 100 | 9871.8 | 7943.8 | 7926.0 | 530.7 | 7943.8 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 85 | 17800.00 | 91.00 | 3.83 | 100 | 9870.0 | 8043.8 | 8025.8 | 537.4 | 8043.8 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 86 | 17900.00 | 91.00 | 3.83 | 100 | 9868.3 | 8143.8 | 8125.6 | 544.1 | 8143.8 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 87 | 18000.00 | 91.00 | 3.83 | 100 | 9866.5 | 8243.7 | 8225.3 | 550.7 | 8243.7 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 88 | 18100.00 | 91.00 | 3.83 | 100 | 9864.8 | 8343.7 | 8325.1 | 557.4 | 8343.7 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 89 | 18200.00 | 91.00 | 3.83 | 100 | 9863.0 | 8443.7 | 8424.8 | 564.1 | 8443.7 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 90 | 18300.00 | 91.00 | 3.83 | 100 | 9861.3 | 8543.7 | 8524.6 | 570.8 | 8543.7 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 91 | 18400.00 | 91.00 | 3.83 | 100 | 9859.5 | 8643.7 | 8624.4 | 577.5 | 8643.7 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 92 | 18500.00 | 91.00 | 3.83 | 100 | 9857.8 | 8743.7 | 8724.1 | 584.1 | 8743.7 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 93 | 18600.00 | 91.00 | 3.83 | 100 | 9856.0 | 8843.6 | 8823.9 | 590.8 | 8843.6 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 94 | 18700.00 | 91.00 | 3.83 | 100 | 9854.3 | 8943.6 | 8923.6 | 597.5 | 8943.6 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 95 | 18800.00 | 91.00 | 3.83 | 100 | 9852.5 | 9043.6 | 9023.4 | 604.2 | 9043.6 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 96 | 18900.00 | 91.00 | 3.83 | 100 | 9850.7 | 9143.6 | 9123.2 | 610.9 | 9143.6 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 97 | 19000.00 | 91.00 | 3.83 | 100 | 9849.0 | 9243.6 | 9222.9 | 617.5 | 9243.6 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 98 | 19100.00 | 91.00 | 3.83 | 100 | 9847.2 | 9343.6 | 9322.7 | 624.2 | 9343.6 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 99 | 19200.00 | 91.00 | 3.83 | 100 | 9845.5 | 9443.6 | 9422.5 | 630.9 | 9443.6 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 100 | 19300.00 | 91.00 | 3.83 | 100 | 9843.7 | 9543.5 | 9522.2 | 637.6 | 9543.5 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 101 | 19400.00 | 91.00 | 3.83 | 100 | 9842.0 | 9643.5 | 9622.0 | 644.3 | 9643.5 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 102 | 19500.00 | 91.00 | 3.83 | 100 | 9840.2 | 9743.5 | 9721.7 | 650.9 | 9743.5 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 103 | 19600.00 | 91.00 | 3.83 | 100 | 9838.5 | 9843.5 | 9821.5 | 657.6 | 9843.5 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 104 | 19700.00 | 91.00 | 3.83 | 100 | 9836.7 | 9943.5 | 9921.3 | 664.3 | 9943.5 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 105 | 19800.00 | 91.00 | 3.83 | 100 | 9835.0 | 10043.5 | 10021.0 | 671.0 | 10043.5 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 106 | 19900.00 | 91.00 | 3.83 | 100 | 9833.2 | 10143.4 | 10120.8 | 677.7 | 10143.4 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 107 | 20000.00 | 91.00 | 3.83 | 100 | 9831.4 | 10243.4 | 10220.5 | 684.3 | 10243.4 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |
| 108 | 20019.12 | 91.00 | 3.83 | 19.116 | 9831.1 | 10262.5 | 10239.6 | 685.6 | 10262.5 | 3.8 | 0.0 | 0.0 | 10011.1 | -10.1 | 1.58834 | 0.07 | 1E-10 |

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February 8, 2023

To: Persons Listed on Exhibit A

ATTACHMENT

6A

Ladies and gentlemen:

Enclosed are copies of two applications for compulsory pooling, 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 the following horizontal well units:

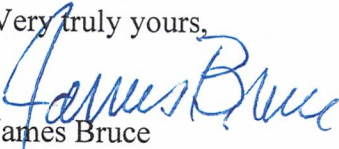
(a) Case No. 23365: Mewbourne Oil Company seeks an order pooling all mineral interests in the Bone Spring formation underlying a horizontal spacing unit comprised of the W/2E/2 of Section 18 and the W/2E/2 of Section 7, Township 21 South, Range 35 East, NMPM. The unit will be dedicated to the North Wilson Deep Unit Well No. 8H, with a first take point in the SW/4SE/4 of Section 18 and a last take point in the NW/4NE/4 of Section 7.

(b) Case No. 23366: Mewbourne Oil Company seeks an order pooling all mineral interests in the Bone Spring formation underlying a horizontal spacing unit comprised of the E/2E/2 of Section 18 and the E/2E/2 of Section 7, Township 21 South, Range 35 East, NMPM. The unit will be dedicated to the North Wilson Deep Unit Well No. 9H, with a first take point in the SE/4SE/4 of Section 18 and a last take point in the NE/4NE/4 of Section 7.

These matters are scheduled for hearing at 8:15 a.m. on Thursday, March 2, 2023. During the current circumstances, state buildings are closed to the public and the hearing will be conducted remotely. To view the hearing docket and to determine how to participate in an electronic hearing, go to <https://www.emnrd.nm.gov/ocd/hearing-info/>, or contact Marlene Salvidrez at Marlene.Salvidrez@emnrd.nm.gov. You are not required to attend this hearing, but as an owner of an interest who may be affected by the applications, you may appear and present testimony. Failure to appear at that time and become a party of record will preclude you from contesting 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@emnrd.nm.gov, 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,

A handwritten signature in blue ink that reads "James Bruce". The signature is written in a cursive style with a large initial "J".

James Bruce

Attorney for Mewbourne Oil Company

EXHIBIT A

Chevron U.S.A. Inc.
1400 Smith Street
Houston, TX 77002
Attn: Mr. Scott Sabrsula

COG Operating LLC
ConocoPhillips Company
600 W. Illinois Ave.
Midland, TX 79701
Attn: Land Manager

Devon Energy Production Company, LP
333 W. Sheridan Ave.
Oklahoma City, OK 73102
Attn: Mr. Verl Brown

Kaiser-Francis Oil Company
6733 South Yale Ave.
Tulsa, Oklahoma 74136
Attn: Brendon Kushernick

OXY USA WTP Limited Partnership
OXY USA Inc.
5 Greenway Plaza, Suite 110
Houston, Texas 77046
Attn: Jonathan Gonzales

MRC Permian Company
5400 LBJ Freeway, Suite 1500
Dallas, Texas 75240
Attn: Mr. David Johns and/or Mr. Nick Weeks

Cimarex Energy Company
Magnum Hunter Production Company
600 N. Marienfeld St., Suite 600
Midland, TX 79701
Attn: Mr. Dylan Park

Earthstone Operating, LLC
600 N. Marienfeld, Suite 1000
Midland, Texas 79701
Attn: Mr. Lenny Wood

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OFFICIAL USE

7202 0090 0000 0867 2472

1. Article Addressed to:

Devon Energy Production Company, LP
333 W. Sheridan Ave.
Oklahoma City, OK 73102
Attn: Mr. Veli Brown

9590 9402 7635 2122 8611 53

2. Article Number (Transfer from commission label)
7020 0090 0000 0867 2472

PS Form 3800, April 2015 PSN 7530-02-000-9053

See Reverse for Instructions

Completed 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 Kaiser-Francis Oil Company
6733 South Yale Ave.
Tulsa, Oklahoma 74136
Attn: Brendon Kusternick

Street and Apt. No.,
City, State, ZIP+4®

Postmark Here

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

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Return Receipt (hardcopy) \$

Return Receipt (electronic) \$

Certified Mail Restricted Delivery \$

Adult Signature Required \$

Adult Signature Restricted Delivery \$

Postage \$

Total Postage and Fees \$

Sent To Devon Energy Production Company, LP
333 W. Sheridan Ave.
Oklahoma City, OK 73102
Attn: Mr. Veli Brown

Street and Apt. No.,
City, State, ZIP+4®

Postmark Here

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

SENDER: COMPLETE THIS SECTION

1. Article Addressed to:

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

1. Article Addressed to:

Kaiser-Francis Oil Company
6733 South Yale Ave.
Tulsa, Oklahoma 74136
Attn: Brendon Kusternick

9590 9402 7635 2122 8611 53

2. Article Number (Transfer from commission label)
7020 0090 0000 0867 2472

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

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Oklahoma City, OK 73102
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9590 9402 7635 2122 8611 53

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See Reverse for Instructions

Completed 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 Devon Energy Production Company, LP
333 W. Sheridan Ave.
Oklahoma City, OK 73102
Attn: Mr. Veli Brown

Street and Apt. No.,
City, State, ZIP+4®

Postmark Here

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

7202 0090 0000 0867 2472

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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 Cimera Energy Company
 Magnam Hunter Production Company
 600 N. Mainfield St., Suite 600
 Midland, TX 79701
 Street and Apt. No. Attn: Mr. Dylan Park
 City, State, ZIP+4®
 PS Form 3800, April 2015 PSN 7530-02-000-9057 See Reverse for Instructions

Postmark Here

7572 2980 0000 0600 0202

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:
 OXY USA WTP Limited Partnership
 OXY USA Inc.
 5 Greenway Plaza, Suite 110
 Houston, Texas 77066
 Attn: Jonathan Gonzalez

2. Article Number 7020 0090 0000 0867
 Insured Mail Restricted Delivery (over \$500)
 Registered Mail™
 Registered Mail Restricted Delivery
 Certified Mail®
 Certified Mail Restricted Delivery
 Collect on Delivery
 Signature Confirmation
 Signature Confirmation Restricted Delivery
 Priority Mail Express®
 Registered Mail™
 Registered Mail Restricted Delivery
 Certified Mail®
 Signature Confirmation
 Signature Confirmation Restricted Delivery

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

COMPLETE THIS SECTION ON DELIVERY

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

3. Service Type
 Adult Signature
 Adult Signature Restricted Delivery
 Certified Mail®
 Certified Mail Restricted Delivery
 Collect on Delivery
 Signature Confirmation
 Signature Confirmation Restricted Delivery

Postage \$
 Total Postage and Fees \$
 Sent To OXY USA WTP Limited Partnership
 OXY USA Inc.
 5 Greenway Plaza, Suite 110
 Houston, Texas 77066
 Attn: Jonathan Gonzalez
 City, State, ZIP+4®
 PS Form 3800, April 2015 PSN 7530-02-000-9057 See Reverse for Instructions

5972 2980 0000 0600 0202

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:
 Cimera Energy Company
 Magnam Hunter Production Company
 600 N. Mainfield St., Suite 600
 Midland, TX 79701
 Attn: Mr. Dylan Park

2. Article Number 7020 0090 0000 0867
 Insured Mail Restricted Delivery (over \$500)
 Registered Mail™
 Registered Mail Restricted Delivery
 Certified Mail®
 Certified Mail Restricted Delivery
 Collect on Delivery
 Signature Confirmation
 Signature Confirmation Restricted Delivery

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

COMPLETE THIS SECTION ON DELIVERY

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

3. Service Type
 Adult Signature
 Adult Signature Restricted Delivery
 Certified Mail®
 Certified Mail Restricted Delivery
 Collect on Delivery
 Signature Confirmation
 Signature Confirmation Restricted Delivery

Postage \$
 Total Postage and Fees \$
 Sent To Cimera Energy Company
 Magnam Hunter Production Company
 600 N. Mainfield St., Suite 600
 Midland, TX 79701
 Attn: Mr. Dylan Park
 City, State, ZIP+4®
 PS Form 3800, April 2015 PSN 7530-02-000-9057 See Reverse for Instructions

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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 MRC Permian Company
5400 131 Freeway, Suite 1500
Dallas, Texas 75240
Attn: Mr. David Johns and/or Mr. Nick Weeks

Street and Apt. No., or P.O. Box No. 7022 1670 0002 1183 5751

City, State, ZIP+4® 7020 0090 0000 0867 2458

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

8542 2980 0000 0600 0202

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:

Article Addressed to:

1. Article Addressed to:

2. Article Addressed to:

3. Service Type

Priority Mail Express®

Registered Mail™

Adult Signature

Adult Signature Restricted Delivery

Certified Mail®

Certified Mail Restricted Delivery

Signature Confirmation™

Signature Confirmation Restricted Delivery

Collect on Delivery

Collect on Delivery Restricted Delivery

Restricted Delivery

Domestic Return Receipt

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

Chevron U.S.A. Inc.
1400 Smith Street
Houston, TX 77002
Attn: Mr. Scott Sabatini



9590 9402 7635 2122 8611 84

2. Article Addressed to: 7022 1670 0002 1183 5751

7020 0090 0000 0867 2458

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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 MRC Permian Company
5400 131 Freeway, Suite 1500
Dallas, Texas 75240
Attn: Mr. David Johns and/or Mr. Nick Weeks

Street and Apt. No., or P.O. Box No. 7022 1670 0002 1183 5751

City, State, ZIP+4® 7020 0090 0000 0867 2458

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

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 Addressed to:

3. Service Type

Priority Mail Express®

Registered Mail™

Adult Signature

Adult Signature Restricted Delivery

Certified Mail®

Certified Mail Restricted Delivery

Signature Confirmation™

Signature Confirmation Restricted Delivery

Collect on Delivery

Collect on Delivery Restricted Delivery

Restricted Delivery

Domestic Return Receipt

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

7522 6917 2000 0297 2202

Chevron U.S.A. Inc.
1400 Smith Street
Houston, TX 77002
Attn: Mr. Scott Sabatini

Postmark Here



9590 9402 7635 2122 8611 39

2. Article Addressed to: 7020 0090 0000 0867 2458

7020 0090 0000 0867 2458

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

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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 Fortenace Operating, LLC
600 N. Maricopa, Suite 1000
Midland, Texas 79701
Attn: Mr. Lamy Wood

Street and Apt. No., P.O. Box, or other address on the mailpiece

City, State, ZIP+4® _____

PS Form 3800, April 2015 PSN 7530-02-000-9007 See Reverse for Instructions

7020 0090 0000 0600 0202

COMPLETE THIS SECTION ON DELIVERY

A. Signature Agent
 W.A. Wilson Addressee

B. Received by (Printed Name) Date of Delivery
W.A. Wilson

C. Date of Delivery

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

3. Service Type

Adult Signature

Adult Signature Restricted Delivery

Certified Mail®

Certified Mail Restricted Delivery

Collect on Delivery

Collect on Delivery, Restricted Delivery

Priority Mail Express®

Registered Mail™

Registered Mail Restricted Delivery

Signature Confirmation™

Signature Confirmation™ Restricted Delivery

Article Number (Transfer from service label) 7020 0090 0000 0867 2496

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

Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

■ Complete items 1, 2, and 3.

■ Print your name and address on the reverse so that we can return the card to you.

■ Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

COG Operating LLC
ConsoPhillips Company
600 W. Illinois Ave.
Midland, TX 79701
Attn: Land Manager

9590 9402 7635 2122 8611 77

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

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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 COG Operating LLC
ConsoPhillips Company
600 W. Illinois Ave.
Midland, TX 79701
Attn: Land Manager

Street and Apt. No., P.O. Box, or other address on the mailpiece

City, State, ZIP+4® _____

PS Form 3800, April 2015 PSN 7530-02-000-9007 See Reverse for Instructions

7020 0090 0000 0600 0202

USPS Tracking®

FAQs >

Tracking Number:

Remove X

70200090000008672434

Copy

Add to Informed Delivery (<https://informedelivery.usps.com/>)

Latest Update

Your item was delivered to an individual at the address at 1:44 pm on February 11, 2023 in MIDLAND, TX 79701.

Get More Out of USPS Tracking:

USPS Tracking Plus®

Delivered

Delivered, Left with Individual

MIDLAND, TX 79701

February 11, 2023, 1:44 pm

[See All Tracking History](#)

[What Do USPS Tracking Statuses Mean?](https://faq.usps.com/s/article/Where-is-my-package) (<https://faq.usps.com/s/article/Where-is-my-package>)

Text & Email Updates



USPS Tracking Plus®



Product Information



See Less ^

Track Another Package

Enter tracking or barcode numbers

Feedback

CASE NOS. 23365 & 23366

STATUS OF CERTIFIED NOTICE

| <u>INTEREST OWNER</u> | <u>MAILING DATE</u> | <u>RECEIPT DATE</u> | <u>CARD RETURNED</u> |
|---|---------------------|---------------------|----------------------|
| Chevron U.S.A. Inc. | 2/8/23 | 2/16/23 | Yes |
| COG Operating LLC and ConocoPhillips Company | 2/8/23 | Unknown | Yes |
| Devon Energy Production Company, L.P. | 2/8/23 | 2/16/23 | Yes |
| Kaiser-Francis Oil Company | 2/8/23 | 2/27/23 | Yes |
| OXY USA WTP Limited Partnership, and OXY USA Inc. | 2/8/23 | 2/16/23 | Yes |
| MRC Permian Company | 2/8/23 | 2/15/23 | Yes |
| Cimarex Energy Company and Magnum Hunter Production Company | 2/8/23 | 2/13/23 | Yes |
| Earthstone Operating, LLC | 2/8/23 | Not returned | No |

EXHIBIT

7

Affidavit of Publication

STATE OF NEW MEXICO
COUNTY OF LEA

I, Daniel Russell, Publisher of the Hobbs News-Sun, a newspaper published at Hobbs, New Mexico, solemnly swear that the clipping attached hereto was published in the regular and entire issue of said newspaper, and not a supplement thereof for a period of 1 issue(s).

Beginning with the issue dated
February 09, 2023
and ending with the issue dated
February 09, 2023.



Publisher

Sworn and subscribed to before me this
9th day of February 2023.



Business Manager

My commission expires
January 29, 2027
(Seal)

STATE OF NEW MEXICO
NOTARY PUBLIC
GUSSIE RUTH BLACK
COMMISSION # 1087526
COMMISSION EXPIRES 01/29/2027

This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937 and payment of fees for said


LEGAL NOTICE February 9, 2023

To: Chevron U.S.A. Inc., COG Operating LLC, ConocoPhillips Company, Devon Energy Production Company, L.P., Kaiser-Francis Oil Company, OXY USA WTP Limited Partnership, OXY USA Inc., MRC Permian Company, Cimarex Energy Company, Magnum Hunter Production Company, and Earthstone Operating, LLC, or your heirs, devisees, successors, or assigns: Mewbourne Oil Company has filed the following applications with the New Mexico Oil Conservation Division seeking orders pooling the following horizontal spacing units:

(a) Case No. 23365: Mewbourne Oil Company seeks an order pooling all mineral interests in the Bone Spring formation underlying a horizontal spacing unit comprised of the W/2E/2 of Section 18 and the W/2E/2 of Section 7, Township 21 South, Range 35 East, NMPM. The unit will be dedicated to the North Wilson Deep Unit Well No. 8H, with a first take point in the SW/4SE/4 of Section 18 and a last take point in the NW/4NE/4 of Section 7.

(b) Case No. 23366: Mewbourne Oil Company seeks an order pooling all mineral interests in the Bone Spring formation underlying a horizontal spacing unit comprised of the E/2E/2 of Section 18 and the E/2E/2 of Section 7, Township 21 South, Range 35 East, NMPM. The unit will be dedicated to the North Wilson Deep Unit Well No. 9H, with a first take point in the SE/4SE/4 of Section 18 and a last take point in the NE/4NE/4 of Section 7.

Also to be considered will be the cost of drilling, completing, and equipping the wells 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, testing, and equipping the wells. These matters are scheduled for hearing on March 2, 2023 at 8:15 a.m. During the current circumstances, state buildings are closed to the public and the hearing will be conducted remotely. To view the hearing docket and to determine how to participate in an electronic hearing, go to <https://www.emnrd.nm.gov/ocd/hearing-info/>, or contact Marlene Salvidrez at Marlene.Salvidrez@emnrd.nm.gov. You are not required to attend this hearing, but as an owner of an interest who may be affected by the applications, you may appear and present testimony. Failure to appear at that time and become a party of record will preclude you from contesting these matters at a later date. A party appearing in a Division case is required by Division Rules to file a Pre-Hearing Statement no later than five business days before the hearing date. This statement may be filed online with the Division at ocd.hearings@emnrd.nm.gov, 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 attorney for applicant, James Bruce, P.O. Box 1056, Santa Fe, New Mexico 87504, jamesbruc@aol.com. The units are located approximately 8-1/2 miles west-southwest of Oil Center, New Mexico.
#00275631

EXHIBIT 

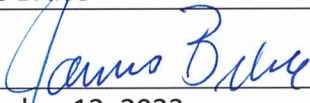
01101711

JAMES BRUCE
JAMES BRUCE, ATTORNEY AT LAW
P.O. BOX 1056
SANTA FE, NM 87504

| | |
|---|---|
| COMPULSORY POOLING APPLICATION CHECKLIST | |
| ALL INFORMATION IN THE APPLICATION MUST BE SUPPORTED BY SIGNED AFFIDAVITS | |
| Case: 23366 | APPLICANT'S RESPONSE |
| Date: September 21, 2023 | |
| Applicant | Mewbourne Oil Company |
| Designated Operator & OGRID (affiliation if applicable) | Mewbourne Oil Company/OGRID 14744 |
| Applicant's Counsel: | James Bruce |
| Case Title: | Application of Mewbourne Oil Company for Compulsory Pooling, Lea County, New Mexico |
| Entries of Appearance/Intervenors: | |
| Well Family | North Wilson Deep Unit Bone Spring wells |
| Formation/Pool | |
| Formation Name(s) or Vertical Extent: | Bone Spring |
| Primary Product (Oil or Gas): | Oil |
| Pooling this vertical extent: | Bone Spring formation |
| Pool Name and Pool Code: | Wilson; Bone Spring, North/Pool Code 97704 |
| Well Location Setback Rules: | Statewide Rules for horizontal wells – 330' and 100' setbacks |
| Spacing Unit | |
| Type (Horizontal/Vertical) | Horizontal |
| Size (Acres) | 320 acres |
| Building Blocks: | 40 acres |
| Orientation: | South-North |
| Description: TRS/County | E/2E/2 §18 and E/2E/2 §7, Township 21 South, Range 35 East, NMPM, Lea County |
| Standard Horizontal Well Spacing Unit (Y/N), If No, describe <u>and is approval of non-standard unit requested in this application?</u> | Yes <div style="border: 1px solid black; padding: 5px; display: inline-block;">EXHIBIT 9</div> |
| Other Situations | |
| Depth Severance: Y/N. If yes, description | N |
| Proximity Tracts: If yes, description | N |

| | |
|--|---|
| Proximity Defining Well: if yes, description | |
| Applicant's Ownership in Each Tract | Exhibit 2-2 |
| Well(s) | |
| Name & API (if assigned), surface and bottom hole location, footages, completion target, orientation, completion status (standard or non-standard) | Add wells as needed |
| Well #1 | North Wilson Deep Unit Well No. 9H API No. 30-025-Pending SHL: 205 FSL & 1200 FEL §18 BHL: 100 FNL & 500 FEL §7 FTP: 100 FSL & 500 FEL §18 LTP: 100 FNL & 500 FEL §7 Second Bone Spring/TVD 9831 feet/MD 20019 feet |
| Well #2 | |
| Horizontal Well First and Last Take Points | See above |
| Completion Target (Formation, TVD and MD) | See above |
| AFE Capex and Operating Costs | |
| Drilling Supervision/Month \$ | \$8000 |
| Production Supervision/Month \$ | \$800 |
| Justification for Supervision Costs | Exhibit 2, page 2 |
| Requested Risk Charge | Cost plus 200% |
| Notice of Hearing | |
| Proposed Notice of Hearing | Exhibit 1 |
| Proof of Mailed Notice of Hearing (20 days before hearing) | Exhibit 6 |
| Proof of Published Notice of Hearing (10 days before hearing) | Exhibit 8 |
| Ownership Determination | |
| Land Ownership Schematic of the Spacing Unit | Exhibit 2-2 |
| Tract List (including lease numbers and owners) | Exhibit 2-2 |
| If approval of Non-Standard Spacing Unit is requested, Tract List (including lease numbers | |

| | |
|--|--------------------------------------|
| and owners) of Tracts subject to notice requirements. | |
| Pooled Parties (including ownership type) | Exhibit 2-2; Working Interest Owners |
| Unlocatable Parties to be Pooled | Yes |
| Ownership Depth Severance (including percentage above & below) | No Depth Severance |
| Joinder | |
| Sample Copy of Proposal Letter | Exhibit 2-3 |
| List of Interest Owners (i.e. Exhibit A of JOA) | Exhibit 2-2 |
| Chronology of Contact with Non-Joined Working Interests | Exhibit 2-3 |
| Overhead Rates In Proposal Letter | |
| Cost Estimate to Drill and Complete | Exhibit 2-4 |
| Cost Estimate to Equip Well | Exhibit 2-4 |
| Cost Estimate for Production Facilities | Exhibit 2-4 |
| Geology | |
| Summary (including special considerations) | Exhibit 3 |
| Spacing Unit Schematic | Exhibits 2-2 and 3-A |
| Gunbarrel/Lateral Trajectory Schematic | Exhibit 3-B |
| Well Orientation (with rationale) | South-North; Exhibits 3 and 3-A |
| Target Formation | Second Bone Spring Sand |
| HSU Cross Section | Exhibit 3-B |
| Depth Severance Discussion | N/A |
| Forms, Figures and Tables | |
| C-102 | Exhibit 2-1 |
| Tracts | Exhibit 2-2 |
| Summary of Interests, Unit Recapitulation (Tracts) | Exhibits 2-2 |
| General Location Map (including basin) | Exhibit 3-A |
| Well Bore Location Map | Exhibit 2-1 |
| Structure Contour Map - Subsea Depth | Exhibit 3-A |

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|--|---|
| Cross Section Location Map (including wells) | Exhibit 3-B |
| Cross Section (including Landing Zone) | Exhibit 3-C |
| Additional Information | |
| Special Provisions/Stipulations | |
| CERTIFICATION: I hereby certify that the information provided in this checklist is complete and accurate. | |
| Printed Name (Attorney or Party Representative): | James Bruce |
| Signed Name (Attorney or Party Representative): |  |
| Date: | September 12, 2023 |