

CASE NOS. 21403 and 21721

Hearing Date: March 18, 2021

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

EXHIBITS

1. Applications and Proposed Ads
2. Landman's Affidavits (Brad Dunn)
3. Geologist's Affidavit (Nathan Cless)
4. Affidavit of Notice
5. Publication Affidavits
6. Pooling Checklists

BEFORE THE NEW MEXICO OIL CONSERVATION DIVISION

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

Case No. 21403

APPLICATION

Mewbourne Oil Company applies for an order pooling all mineral interest owners in the Bone Spring formation in a horizontal spacing unit underlying the $W\frac{1}{2}W\frac{1}{2}$ of Section 19 and the $W\frac{1}{2}W\frac{1}{2}$ of Section 18, Township 19 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 $W\frac{1}{2}W\frac{1}{2}$ of Section 19 and the $W\frac{1}{2}W\frac{1}{2}$ of Section 18, and has the right to drill a well or wells thereon.
2. Applicant proposes to drill the Santa Vaca 19/18 B2MD State Com. Well No. 1H and the Santa Vaca 19/18 B3MD State Com. Well No. 2H to depths sufficient to test the Bone Spring formation, and has dedicated the $W\frac{1}{2}W\frac{1}{2}$ of Section 19 and the $W\frac{1}{2}W\frac{1}{2}$ of Section 18 to the wells. The wells are horizontal wells, with first take points in the $SW\frac{1}{4}SW\frac{1}{4}$ of Section 19 and last take points in the $NW\frac{1}{4}NW\frac{1}{4}$ of Section 18.
3. Applicant has in good faith sought to obtain the voluntary joinder of all other mineral interest owners in the $W\frac{1}{2}W\frac{1}{2}$ of Section 19 and the $W\frac{1}{2}W\frac{1}{2}$ of Section 18 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 wells or to otherwise commit their interests to the wells, certain interest owners have failed or refused to join in dedicating their interests. Therefore, applicant seeks an order pooling all mineral interest owners in the Bone Spring

EXHIBIT

1

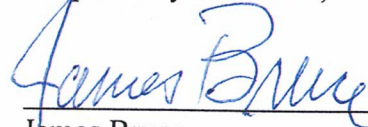
formation underlying the $W\frac{1}{2}W\frac{1}{2}$ of Section 19 and the $W\frac{1}{2}W\frac{1}{2}$ of Section 18, pursuant to NMSA 1978 §70-2-17.

5. The pooling of all mineral interest owners in the Bone Spring formation underlying the $W\frac{1}{2}W\frac{1}{2}$ of Section 19 and the $W\frac{1}{2}W\frac{1}{2}$ of Section 18 will prevent the drilling of unnecessary wells, prevent waste, and protect correlative rights.

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

- A. Pooling all mineral interests in the Bone Spring formation underlying the $W\frac{1}{2}W\frac{1}{2}$ of Section 19 and the $W\frac{1}{2}W\frac{1}{2}$ of Section 18;
- B. Designating applicant as operator of the wells;
- C. Considering the cost of drilling, completing, and equipping the wells, and allocating the cost among the wells' working interest owners;
- D. Approving actual operating charges and costs charged for supervision, together with a provision adjusting the rates pursuant to the COPAS accounting procedure; and
- E. Setting a 200% charge for the risk involved in drilling, completing, and equipping the wells in the event a working interest owner elects not to participate in the wells.

Respectfully submitted,



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

Attorney for Mewbourne Oil Company

Case No. 21403 .

Application of Mewbourne Oil Company for compulsory pooling, Lea County, New Mexico.
Mewbourne Oil Company seeks an order pooling all mineral interest owners in the Bone Spring formation underlying a horizontal spacing unit comprised of the W/2W/2 of Section 19 and the W/2W/2 of Section 18, Township 19 South, Range 35 East, NMPM. The unit will be dedicated to the Santa Vaca 19/18 B2MD State Com. Well No. 1H and the Santa Vaca 19/18 B3MD State Com. Well No. 2H, which will be drilled to depths sufficient to test the Bone Spring formation. The wells are horizontal wells, with first take points in the SW $\frac{1}{4}$ SW $\frac{1}{4}$ of Section 19 and last take points in the NW $\frac{1}{4}$ NW $\frac{1}{4}$ of Section 18. 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, and equipping the wells. The unit is located approximately 14 miles west-northwest of Monument, New Mexico.

BEFORE THE NEW MEXICO OIL CONSERVATION DIVISION

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

Case No. 21721

APPLICATION

Mewbourne Oil Company applies for an order pooling all mineral interest owners in the Bone Spring formation in a horizontal spacing unit underlying the E $\frac{1}{2}$ W $\frac{1}{2}$ of Section 19 and the E $\frac{1}{2}$ W $\frac{1}{2}$ of Section 18, Township 19 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 $\frac{1}{2}$ W $\frac{1}{2}$ of Section 19 and the E $\frac{1}{2}$ W $\frac{1}{2}$ of Section 18, and has the right to drill a well or wells thereon.
2. Applicant proposes to drill the Santa Vaca 19/18 B2NC State Com. Well No. 1H and the Santa Vaca 19/18 B3NC State Com. Well No. 2H to depths sufficient to test the Bone Spring formation, and has dedicated the E $\frac{1}{2}$ W $\frac{1}{2}$ of Section 19 and the E $\frac{1}{2}$ W $\frac{1}{2}$ of Section 18 to the wells. The wells are horizontal wells, with first take points in the SE $\frac{1}{4}$ SW $\frac{1}{4}$ of Section 19 and last take points in the NE $\frac{1}{4}$ NW $\frac{1}{4}$ of Section 18.
3. Applicant has in good faith sought to obtain the voluntary joinder of all other mineral interest owners in the E $\frac{1}{2}$ W $\frac{1}{2}$ of Section 19 and the E $\frac{1}{2}$ W $\frac{1}{2}$ of Section 18 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 wells or to otherwise commit their interests to the wells, certain interest owners have failed or refused to join in dedicating their interests. Therefore, applicant seeks an order pooling all mineral interest owners in the Bone Spring

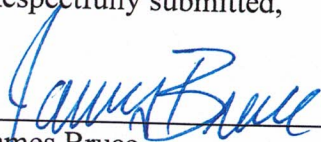
formation underlying the E $\frac{1}{2}$ W $\frac{1}{2}$ of Section 19 and the E $\frac{1}{2}$ W $\frac{1}{2}$ of Section 18, pursuant to NMSA 1978 §70-2-17.

5. The pooling of all mineral interest owners in the Bone Spring formation underlying the E $\frac{1}{2}$ W $\frac{1}{2}$ of Section 19 and the E $\frac{1}{2}$ W $\frac{1}{2}$ of Section 18 will prevent the drilling of unnecessary wells, prevent waste, and protect correlative rights.

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

- A. Pooling all mineral interests in the Bone Spring formation underlying the E $\frac{1}{2}$ W $\frac{1}{2}$ of Section 19 and the E $\frac{1}{2}$ W $\frac{1}{2}$ of Section 18;
- B. Designating applicant as operator of the wells;
- C. Considering the cost of drilling, completing, and equipping the wells, and allocating the cost among the wells' working interest owners;
- D. Approving actual operating charges and costs charged for supervision, together with a provision adjusting the rates pursuant to the COPAS accounting procedure; and
- E. Setting a 200% charge for the risk involved in drilling, completing, and equipping the wells in the event a working interest owner elects not to participate in the wells.

Respectfully submitted,



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

Attorney for Mewbourne Oil Company

Case No. _____:

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

Mewbourne Oil Company seeks an order pooling all mineral interest owners in the Bone Spring formation underlying a horizontal spacing unit comprised of the E/2W/2 of Section 19 and the E/2W/2 of Section 18, Township 19 South, Range 35 East, NMPM. The unit will be dedicated to the Santa Vaca 19/18 B2NC State Com. Well No. 1H and the Santa Vaca 19/18 B3NC State Com. Well No. 2H, which will be drilled to depths sufficient to test the Bone Spring formation. The wells are horizontal wells, with first take points in the SE/4SW/4 of Section 19 and last take points in the NE/4NW/4 of Section 18. 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, and equipping the wells. The unit is located approximately 14 miles west-northwest of Monument, New Mexico.

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

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

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

Case No. 21403

VERIFIED STATEMENT OF BRAD DUNN

Brad Dunn, being duly sworn upon his 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 been qualified by the Division as an expert petroleum landman.
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 and mineral owners into the Bone Spring 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 wells but have simply refused to voluntarily commit their interests to the wells. Some interest owners are or may be unlocatable.
 - (c) A plat outlining the unit being pooled is attached hereto as Attachment A. Mewbourne seeks an order approving a 320.00-acre horizontal spacing unit in the Bone Spring formation comprised of W/2W/2 of Section 19 and the W/2W/2 of Section 18, Township 19 South, Range 35 East, NMPM. Mewbourne further seeks the pooling of all mineral interests in the Bone Spring formation underlying the unit. The unit will be dedicated to both the Santa Vaca 19/18 B2MD State Com #1H and the Santa Vaca 19/18 B3MD State Com #2H wells. The referenced wells are horizontal wells. The Santa Vaca 19/18 B2MD State Com #1H has a first take point in Unit M of Section 19 and a final take point in Unit D of Section 18. The Santa Vaca 19/18 B3MD State Com #2H has a first take point in Unit M of Section 19 and a final take point in Unit D of Section 18.
 - (d) There are no depth severances in the Bone Spring formation.

EXHIBIT


2-A

- (e) The parties being pooled and their interests are set forth in Attachment B. Their current and correct addresses are also set forth. To find the unlocatable parties we examined county and government records, and also conducted internet searches including google and drillinginfo.
- (f) Attachment C contains a summary of contacts with the interest owners, together with copies of the proposal letters sent to them.
- (g) Mewbourne has made a good faith effort to obtain the voluntary joinder of the working interest and mineral owners in the proposed wells.
- (h) Mewbourne has the right to pool the overriding royalty owners in the well unit.
- (i) Attachment D is the Authorization for Expenditure for each proposed well. The estimated cost of the wells set forth therein are fair and reasonable, and are comparable to the costs of other wells of similar depth and length drilled in this area of 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. They are also the rates set forth in the Joint Operating Agreement for the well unit. Mewbourne requests that these rates be adjusted periodically as provided in the COPAS Accounting Procedure.
- (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 wells.
- (m) The attachments to this affidavit were prepared by me or under my supervision, or compiled from company business records.
- (n) The granting of this application is in the interests of conservation and the prevention of waste.

VERIFICATION

STATE OF TEXAS)
) ss.
COUNTY OF MIDLAND)

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



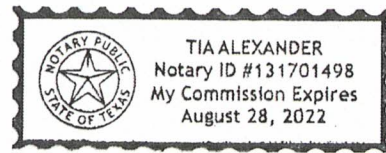
Brad Dunn

SUBSCRIBED AND SWORN TO before me this 6 day of January, 2021 by Brad Dunn.

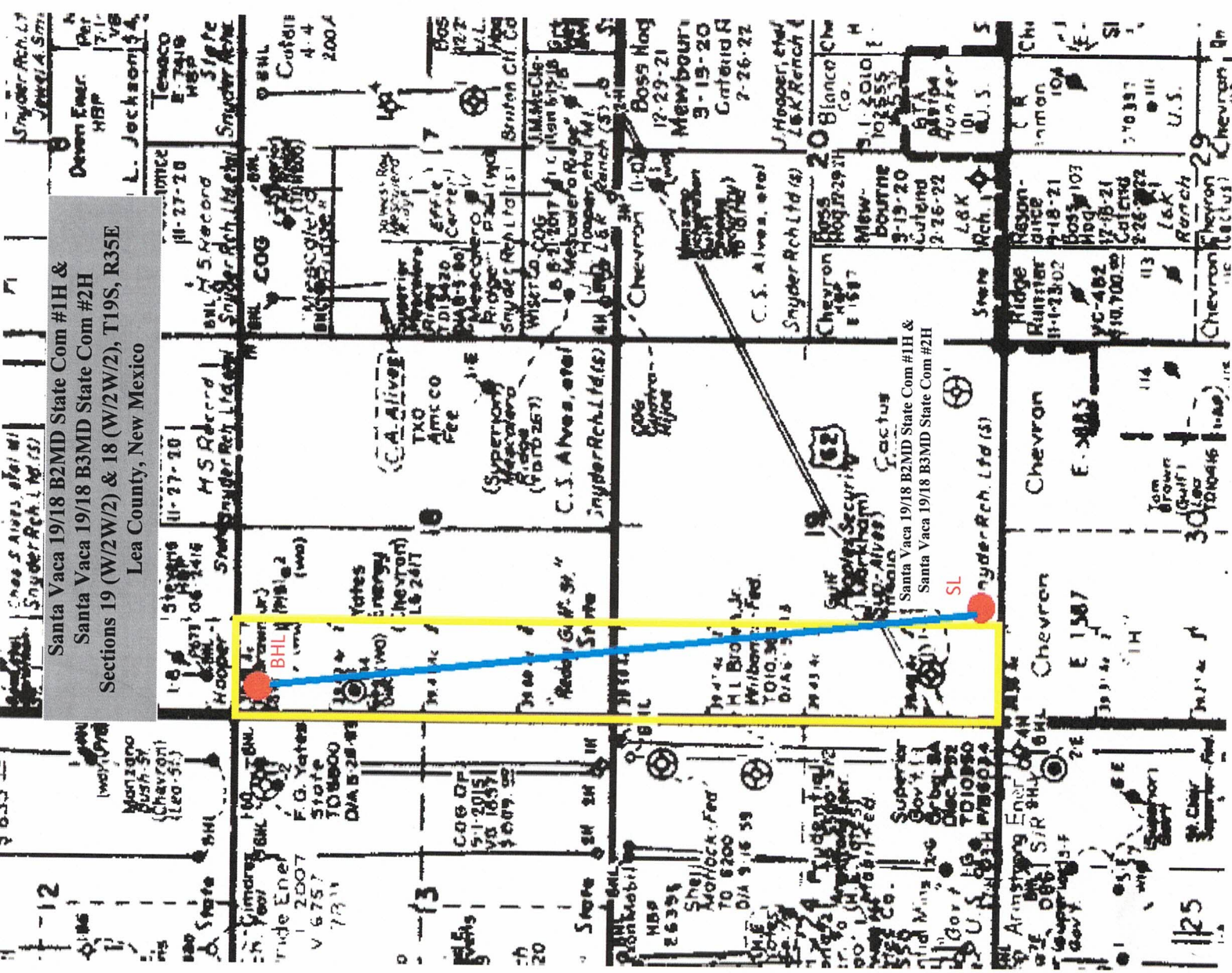
My Commission Expires: 8-28-22



Notary Public



Santa Vaca 19/18 B2MD State Com #1H &
 Santa Vaca 19/18 B3MD State Com #2H
 Sections 19 (W/2W/2) & 18 (W/2W/2), T19S, R35E
 Lea County, New Mexico



ATTACHMENT

A

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

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

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

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number		² Pool Code		³ Pool Name	
⁴ Property Code		⁵ Property Name SANTA VACA 19/18 B2MD STATE COM			⁶ Well Number 1H
⁷ OGRID NO.		⁸ Operator Name MEWBOURNE OIL COMPANY			⁹ Elevation 3794'

¹⁰ Surface Location

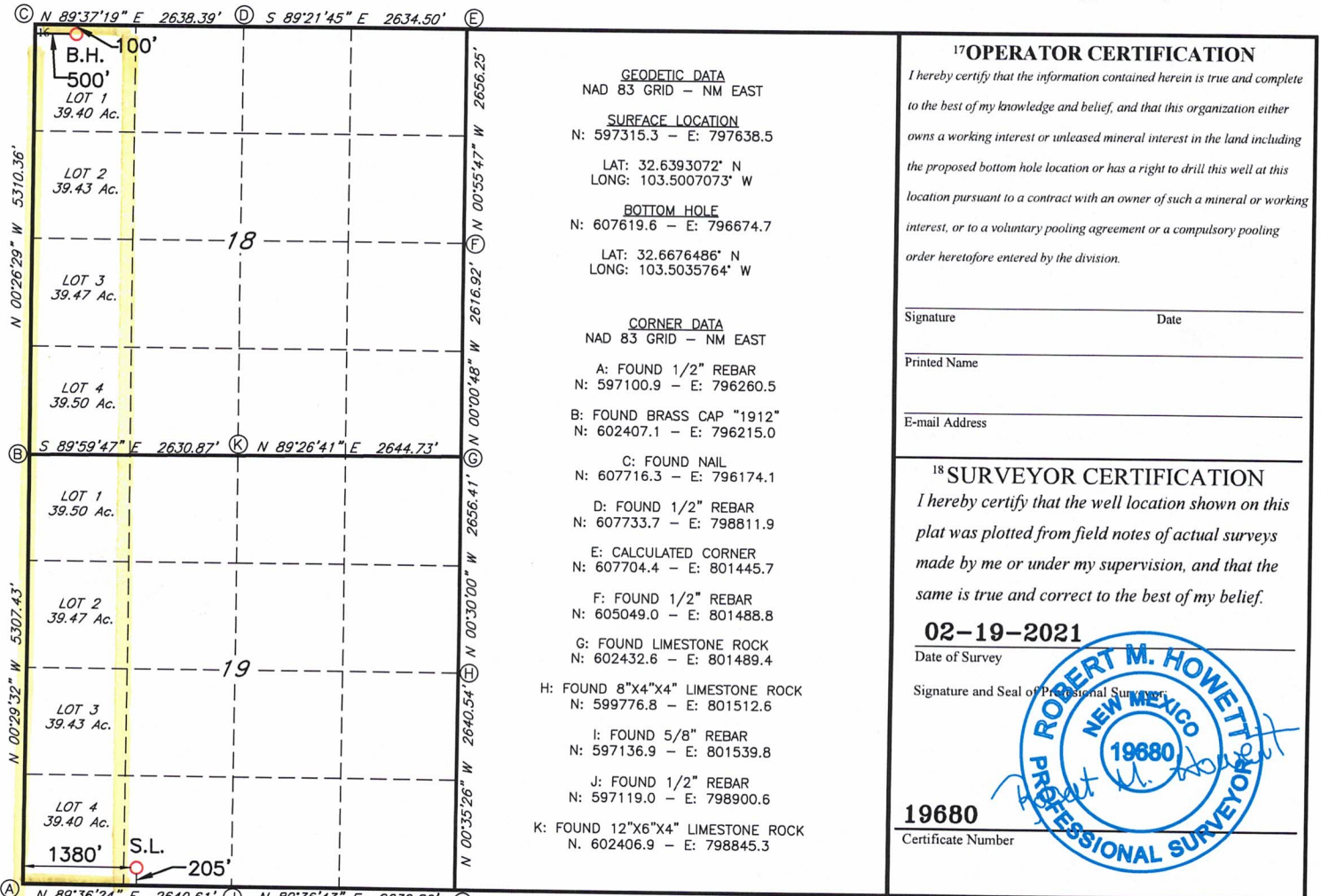
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet From the	East/West line	County
N	19	19S	35E		205	SOUTH	1380	WEST	LEA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
1	18	19S	35E		100	NORTH	500	WEST	LEA

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

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



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
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Santa Fe, NM 87505

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

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number		² Pool Code		³ Pool Name		
⁴ Property Code		⁵ Property Name SANTA VACA 19/18 B3MD STATE COM				⁶ Well Number 2H
⁷ OGRID NO.		⁸ Operator Name MEWBOURNE OIL COMPANY				⁹ Elevation 3794'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet From the	East/West line	County
N	19	19S	35E		205	SOUTH	1350	WEST	LEA

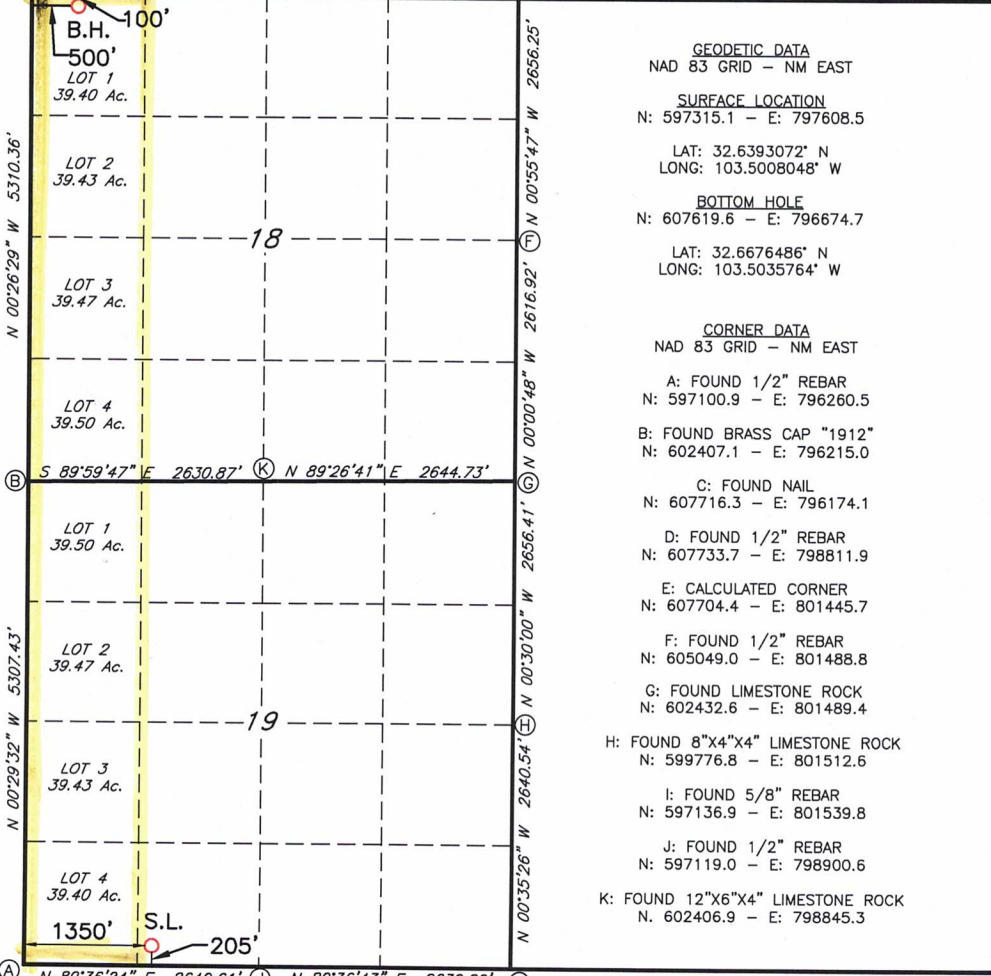
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
1	18	19S	35E		100	NORTH	500	WEST	LEA

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

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

Ⓒ N 89°37'19" E 2638.39' Ⓓ S 89°21'45" E 2634.50' Ⓔ



¹⁷ OPERATOR CERTIFICATION

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

Signature _____ Date _____
Printed Name _____
E-mail Address _____

¹⁸ SURVEYOR CERTIFICATION

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

02-19-2021

Date of Survey _____
Signature and Seal of Professional Surveyor _____



19680

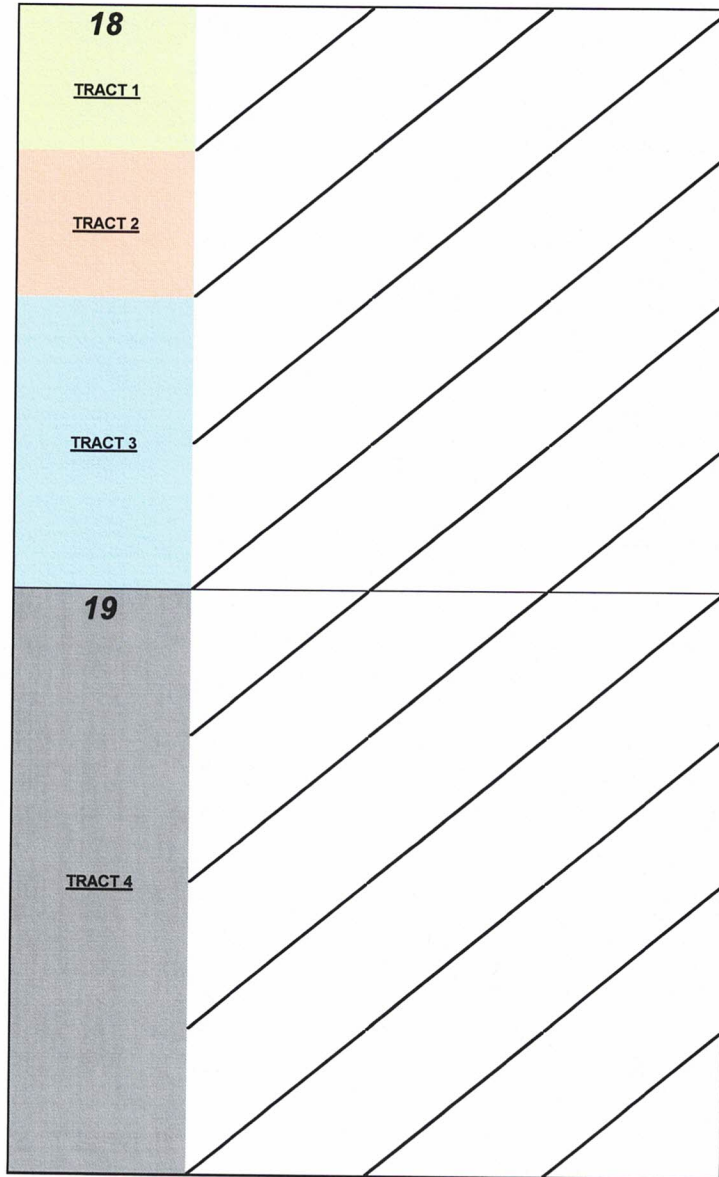
Certificate Number

SECTION PLAT

West Half of the West Half (W/2W/2) of Section 18, Township 19 South, Range 35 East

West Half of the West Half (W/2W/2) of Section 19, Township 19 South, Range 35 East

County of Lea, State of New Mexico



ATTACHMENT

B

Tract 1: NW4NW4 (LOT 1) SEC. 18-STATE LEASE NO. LG-2417

Yates Energy Corporation

Hutchings Oil Company

Jalapeno Corporation

Innoventions Inc.

Seven Rivers, Inc.

Yates-US Inc.

Petro-Yates, Inc.

James H. Bond

Sealy Hutchings Cavin, Inc.

Scott Brothers Trust

Grande Drilling Corporation

Tract 2: SW4NW4 (LOT 2) SEC. 18-STATE LEASE NO. LG-2417

Geronimo Holdings Corp.

Tract 3: W2SW4 (LOTS 3 & 4) SEC. 18-STATE LEASE NO. LG-2417

Chevron USA Inc.

Tract 4: W2W2 SEC. 19-FEE LEASE

Mewbourne Oil Company

TRACT OWNERSHIP
Santa Vaca 19/18 B2MD State Com #1H &
Santa Vaca 19/18 B3MD State Com #2H
Sections 19 (W/2W/2) & 18 (W/2W/2), T19S, R35E
Lea County, New Mexico

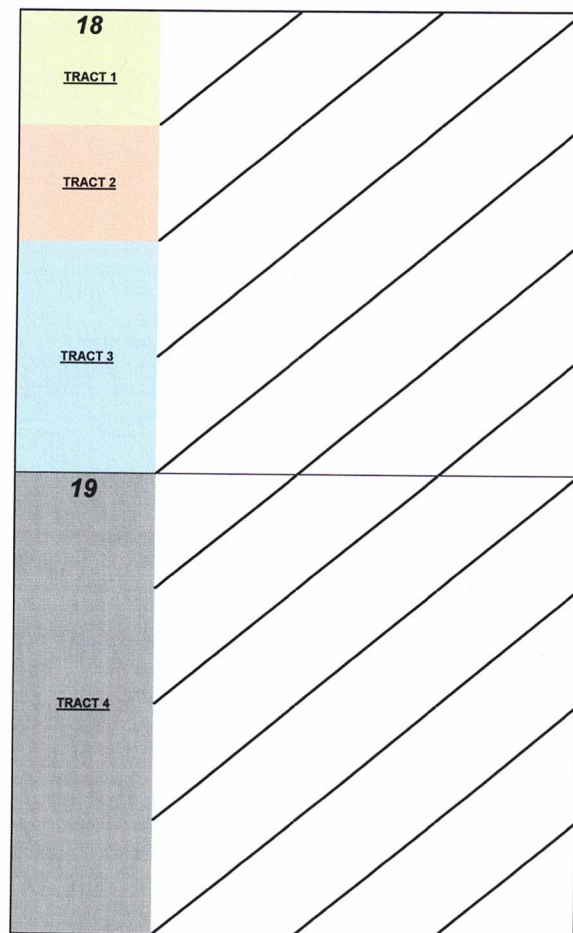
Sections 19 (W/2W/2) & 20 (W/2W/2):
Wolfcamp formation:

	<u>% Leasehold Interest</u>
Mewbourne Oil Company, et al 500 West Texas, Suite 1020 Midland, Texas 79701	71.868667%
Chevron U.S.A. Inc.* P.O. Box 2100 Houston, Texas 77252	24.848962%
Seven Rivers, Inc.* P.O. Box 1598 Carlsbad, NM 88220-1598	1.249213%
James H. Bond* 4208 Beechwood Ln. Dallas, TX 75220-1908	1.249213%
Occidental Permian Limited Partnership* 5 Greenway Plaza, STE 110 Houston, TX 77046	0.783945%
	100.000000%

*** Total interest being pooled: 28.131333%**

RECAPITULATION FOR SANTA VACA 19/18 B2MD STATE COM #1H & SANTA VACA B3MD STATE COM #2H

Tract Number	Number of Acres Committed	Percentage of Interest In Communitized Area
1	39.40	12.397734%
2	39.43	12.407174%
3	78.97	24.848962%
4	160.00	50.346130%
TOTAL	317.80	100.000000%



Summary of Communications
Santa Vaca 19/18 B2MD State Com #1H &
Santa Vaca 19/18 B3MD State Com #2H

CHEVRON U.S.A. INC.

- 1) 01/22/2020: Email correspondence between Cy Shook at Mewbourne and Shalyce Holmes at CVX regarding participating in the upcoming Santa Vaca wells
- 2) 02/14/2020: Mailed well proposal letters with AFEs via certified mail & emailed them to Ms. Shalyce Holmes
- 3) 02/14/2020: Email correspondence with Shalyce Holmes at Chevron. She indicated their lack of desire to participate in the proposed Santa Vaca wells.
- 4) 07/03/2020: Re-proposed well proposal letter with AFEs via certified mail to account for a well footing description error on the previous proposals sent

Seven Rivers, Inc.

- 1) 09/10/2020: Mailed well proposal letters with AFEs via certified mail
- 2) 10/13/2020: Certified mail returned due to unlocatable/undeliverable address.
- 3) 10/15/2020: Detailed search on the internet for a new address of this company/current contact information. Company unlocatable.
- 4) 11/05/2020: Detailed search on the internet for a new address of this company/current contact information. Company unlocatable.

James H. Bond

- 1) 09/10/2020: Mailed well proposal letters with AFEs via certified mail
- 2) 10/01/2020: Detailed search on the internet for a new address of this company/current contact information. Company unlocatable.
- 3) 11/05/2020: Detailed search on the internet for a new address of this company/current contact information. Company unlocatable.

Occidental Permian Limited Partnership

- 1) 12/22/2020: Mailed well proposal letters with AFEs via certified mail
- 2) 12/29/2020: Email correspondence with Clay Carroll who represents this interest regarding spud date questions and participation updates with the recently received well proposals.
- 3) 12/29/2020: Emailed Clay Carroll back answering his questions and providing him with requested information.

ATTACHMENT



MEWBOURNE OIL COMPANY

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

TELEPHONE (432) 682-3715
FACSIMILE (432) 685-4170

June 30, 2020

Via Certified Mail

Chevron U.S.A. Inc.
1400 Smith Street
Houston, TX 77002
Attn: Shalyce Holmes

- Re: 1. Santa Vaca 19/18 B2MD State Com #1H
205' FSL & 1380' FWL (19) (SL)
100' FNL & 500' FWL (18) (BHL)
Sections 19/18, T19S, R35E
Lea County, New Mexico
2. Santa Vaca 19/18 B3MD State Com #2H
205' FSL & 1350' FWL (19) (SL)
100' FNL & 500' FWL (18) (BHL)
Sections 19/18, T19S, R35E
Lea County, New Mexico

Ladies and Gentlemen:

Mewbourne Oil Company ("Mewbourne") as Operator hereby proposes to form a 1275.6 acre Working Interest Unit ("WIU") covering all of the above captioned sections 19 and 18 for oil and gas production. The targeted interval for the proposed unit is the Bone Spring Formation. Apparently, Chevron U.S.A. Inc. ("Chevron") owns 100.000000% of the interest in the W/2 (317.8 net and gross acres) of the referenced Section 18. Accordingly, Chevron would own a 24.913800% working interest in the proposed WIU. (317.8 net acres / 1275.6 gross acres = 24.913800% interest in the WIU). Mewbourne as Operator hereby proposes to drill the following horizontal Bone Spring wells:

1. Santa Vaca 19/18 B2MD State Com #1H will have a surface location 205' FSL & 1380' FWL in the above captioned Section 19 and a bottom hole location approximately 100' FNL & 500' FWL of the above captioned Section 18. We anticipate drilling to an approximate total vertical depth of 10,465' and an approximate total measured depth of 20,575'. The W2W2 of Section 19 and the W2W2 of Section 18 will be dedicated to the well as the proration unit.
2. Santa Vaca 19/18 B3MD State Com #2H will have a surface location 205' FSL & 1350' FWL in the above captioned Section 19 and a bottom hole location approximately 100' FNL & 500' FWL of the above captioned Section 18. We anticipate drilling to an approximate total vertical depth of 10,951' and an approximate total measured depth of 21,061'. The

W2W2 of Section 19 and the W2W2 of Section 18 will be dedicated to the well as the proration unit.

Regarding the above, enclosed for your further handling are our AFE's (updated) dated February 12, 2020 for the captioned proposed wells. In the event your firm elects to participate in the proposed wells, please execute the enclosed AFE's and return them to me within thirty (30) days.

Previously on February 14th, 2020, Mewbourne proposed these same wells to Chevron that additionally included the Santa Vaca 19/18 Joint Operating Agreement. The Santa Vaca 19/18 B2MD State Com #1H & Santa Vaca 19/18 B3MD State Com #2H wells are being re-proposed to you after discovering the original AFE's contained a typo. The surface location originally said "1380' FEL" for the B2MD and "1350' FEL" for the B3MD when both of these surface locations should have said "FWL".

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

Sincerely,

MEWBOURNE OIL COMPANY



Brad Dunn
Petroleum Landman



July 3, 2020

Dear Simple Certified:

The following is in response to your request for proof of delivery on your item with the tracking number: 9414 8106 9994 5051 4205 66.

Item Details

Status: Delivered, Front Desk/Reception/Mail Room
Status Date / Time: July 3, 2020, 4:45 pm
Location: HOUSTON, TX 77002
Postal Product: First-Class Mail®
Extra Services: Certified Mail™
Return Receipt Electronic
Recipient Name: Shalyce Holmes

Shipment Details

Weight: 2.0oz

Recipient Signature

Note: There is no delivery signature on file for this item.

Thank you for selecting the United States Postal Service® for your mailing needs. If you require additional assistance, please contact your local Post Office™ or a Postal representative at 1-800-222-1811.

Sincerely,
United States Postal Service®
475 L'Enfant Plaza SW
Washington, D.C. 20260-0004

Shalyce Holmes
Chevron U.S. A. Inc.
1400 Smith Street
Houston, TX 77002
Reference #: Santa Vaca 19/18

MEWBOURNE OIL COMPANY
AUTHORIZATION FOR EXPENDITURE

Well Name: SANTA VACA 19/18 B2MD STATE COM #1H Prospect: _____
 Location: SL: 205 FSL & 1380 FWL (19); BHL: 100 FNL & 500 FWL (18) County: Lea ST: NM
 Sec. 19 Blk: _____ Survey: _____ TWP: 19S RNG: 35E Prop. TVD: 10465 TMD: 20575

INTANGIBLE COSTS 0180		CODE	TCP	CODE	CC
Regulatory Permits & Surveys		0180-0100	\$10,000	0180-0200	
Location / Road / Site / Preparation		0180-0105	\$70,000	0180-0205	\$25,000
Location / Restoration		0180-0106	\$200,000	0180-0206	\$30,000
Daywork / Turnkey / Footage Drilling	28 days drlg / 4 days comp @ \$21500/d	0180-0110	\$642,900	0180-0210	\$91,800
Fuel	1700 gal/day @ \$2.74/gal	0180-0114	\$139,300	0180-0214	\$400,000
Mud, Chemical & Additives		0180-0120	\$200,000	0180-0220	
Horizontal Drillout Services				0180-0222	\$250,000
Cementing		0180-0125	\$100,000	0180-0225	\$30,000
Logging & Wireline Services		0180-0130	\$2,500	0180-0230	\$395,000
Casing / Tubing / Snubbing Service		0180-0134	\$20,000	0180-0234	\$90,000
Mud Logging		0180-0137	\$30,000		
Stimulation	50 Stg 20.1 MM gal / 20.1 MM lb			0180-0241	\$1,631,000
Stimulation Rentals & Other				0180-0242	\$300,000
Water & Other		0180-0145	\$40,000	0180-0245	\$628,000
Bits		0180-0148	\$166,600	0180-0248	\$8,000
Inspection & Repair Services		0180-0150	\$40,000	0180-0250	\$5,000
Misc. Air & Pumping Services		0180-0154		0180-0254	\$10,000
Testing & Flowback Services		0180-0158	\$15,000	0180-0258	\$30,000
Completion / Workover Rig				0180-0260	\$10,500
Rig Mobilization		0180-0164	\$150,000		
Transportation		0180-0165	\$30,000	0180-0265	\$20,000
Welding Services		0180-0168	\$5,000	0180-0268	\$15,000
Contract Services & Supervision		0180-0170	\$49,500	0180-0270	\$33,000
Directional Services	Includes Vertical Control	0180-0175	\$325,000		
Equipment Rental		0180-0180	\$256,900	0180-0280	\$30,000
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	\$10,000
Damages		0180-0190	\$10,000	0180-0290	
ROW & Easements		0180-0192		0180-0292	\$4,000
Pipeline Interconnect				0180-0293	
Company Supervision		0180-0195	\$158,400	0180-0295	\$105,600
Overhead Fixed Rate		0180-0196	\$10,000	0180-0296	\$20,000
Well Abandonment		0180-0198		0180-0298	
Contingencies	2% (TCP) 2% (CC)	0180-0199	\$53,800	0180-0299	\$83,400
TOTAL			\$2,743,000		\$4,255,300
TANGIBLE COSTS 0181					
Casing (19.1" - 30")		0181-0793			
Casing (10.1" - 19.0")	1890' - 13 3/8" 54.5# J-55 ST&C @ \$34.83/ft	0181-0794	\$70,300		
Casing (8.1" - 10.0")	3430' - 9 5/8" 40# HCL80 LT&C @ \$27.39/ft	0181-0795	\$100,300		
Casing (6.1" - 8.0")	10740' - 7" 29# HCP-110 LT&C @ \$23.84/ft	0181-0796	\$273,500		
Casing (4.1" - 6.0")	10500' - 4 1/2" 13.5# HCP-110 LT&C @ \$12.16/ft			0181-0797	\$136,400
Tubing	9890' - 2 7/8" 6.5# EUE tbg @ \$4.6/ft			0181-0798	\$48,560
Drilling Head		0181-0860	\$40,000		
Tubing Head & Upper Section				0181-0870	\$30,000
Horizontal Completion Tools	Completion Liner Hanger			0181-0871	\$75,000
Sucker Rods				0181-0875	
Subsurface Equipment				0181-0880	\$10,000
Artificial Lift Systems	ESP			0181-0884	\$100,000
Pumping Unit				0181-0885	
Surface Pumps & Prime Movers	1/2 VRU/SWD pump/booster comp			0181-0886	\$50,000
Tanks - Oil	1/2 of 6 - 750 bbl			0181-0890	\$65,000
Tanks - Water	1/2 of 5 - 750 bbl coated			0181-0891	\$58,000
Separation / Treating Equipment	36x15x500 Hor 3 ph & 30x10x500 V1/2 Gun bbl/VRT			0181-0895	\$110,000
Heater Treaters, Line Heaters	8'x20'x125# HT			0181-0897	\$38,000
Metering Equipment				0181-0898	\$15,000
Line Pipe & Valves - Gathering				0181-0900	\$5,000
Fittings / Valves & Accessories				0181-0906	\$135,000
Cathodic Protection				0181-0908	\$57,500
Electrical Installation	Includes automation & ESP hookup			0181-0909	\$105,000
Equipment Installation				0181-0910	\$75,000
Pipeline Construction				0181-0920	\$5,000
TOTAL			\$484,100		\$1,118,460
SUBTOTAL			\$3,227,100		\$5,373,760
TOTAL WELL COST			\$8,600,860		

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: T. Cude Date: 2/12/2020
 Company Approval: *M. White* Date: 2/12/2020

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

ATTACHMENT D

MEWBOURNE OIL COMPANY
AUTHORIZATION FOR EXPENDITURE

Well Name: **SANTA VACA 19/18 B3MD STATE COM #2H** Prospect: _____
 Location: **SL: 205 FSL & 1350 FWL (19); BHL: 100 FNL & 500 FWL (18)** County: **Lea** ST: **NM**
 Sec. **19** Blk: _____ Survey: _____ TWP: **19S** RNG: **35E** Prop. TVD: **10951** TMD: **21061**

INTANGIBLE COSTS 0180		CODE	TCP	CODE	CC
Regulatory Permits & Surveys		0180-0100	\$10,000	0180-0200	
Location / Road / Site / Preparation		0180-0105	\$70,000	0180-0205	\$25,000
Location / Restoration		0180-0106	\$200,000	0180-0206	\$30,000
Daywork / Turnkey / Footage Drilling	30 days drlg / 4 days comp @ \$21500/d	0180-0110	\$688,900	0180-0210	\$91,800
Fuel	1700 gal/day @ \$2.74/gal	0180-0114	\$149,200	0180-0214	\$400,000
Mud, Chemical & Additives		0180-0120	\$200,000	0180-0220	
Horizontal Drillout Services				0180-0222	\$250,000
Cementing		0180-0125	\$100,000	0180-0225	\$30,000
Logging & Wireline Services		0180-0130	\$2,500	0180-0230	\$395,000
Casing / Tubing / Snubbing Service		0180-0134	\$20,000	0180-0234	\$90,000
Mud Logging		0180-0137	\$30,000		
Stimulation	50 Stg 20.1 MM gal / 20.1 MM lb			0180-0241	\$1,631,000
Stimulation Rentals & Other				0180-0242	\$300,000
Water & Other		0180-0145	\$40,000	0180-0245	\$628,000
Bits		0180-0148	\$166,600	0180-0248	\$8,000
Inspection & Repair Services		0180-0150	\$40,000	0180-0250	\$5,000
Misc. Air & Pumping Services		0180-0154		0180-0254	\$10,000
Testing & Flowback Services		0180-0158	\$15,000	0180-0258	\$30,000
Completion / Workover Rig				0180-0260	\$10,500
Rig Mobilization		0180-0164	\$150,000		
Transportation		0180-0165	\$30,000	0180-0265	\$20,000
Welding Services		0180-0168	\$5,000	0180-0268	\$15,000
Contract Services & Supervision		0180-0170	\$49,500	0180-0270	\$33,000
Directional Services	Includes Vertical Control	0180-0175	\$350,000		
Equipment Rental		0180-0180	\$256,900	0180-0280	\$30,000
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	\$10,000
Damages		0180-0190	\$10,000	0180-0290	
ROW & Easements		0180-0192		0180-0292	\$4,000
Pipeline Interconnect				0180-0293	
Company Supervision		0180-0195	\$168,000	0180-0295	\$105,600
Overhead Fixed Rate		0180-0196	\$10,000	0180-0296	\$20,000
Well Abandonment		0180-0198		0180-0298	
Contingencies	2% (TCP) 2% (CC)	0180-0199	\$55,594	0180-0299	\$83,400
TOTAL			\$2,835,294		\$4,255,300

TANGIBLE COSTS 0181		CODE	TCP	CODE	CC
Casing (19.1" - 30")		0181-0793			
Casing (10.1" - 19.0")	1890' - 13 3/8" 54.5# J-55 ST&C @ \$34.83/ft	0181-0794	\$70,300		
Casing (8.1" - 10.0")	3430' - 9 5/8" 40# HCL80 LT&C @ \$27.39/ft	0181-0795	\$100,300		
Casing (6.1" - 8.0")	11220' - 7" 29# HCP-110 LT&C @ \$23.84/ft	0181-0796	\$285,700		
Casing (4.1" - 6.0")	10500' - 4 1/2" 13.5# HCP-110 LT&C @ \$12.16/ft			0181-0797	\$136,400
Tubing	10376' - 2 7/8" 6.5# EUE tbg @ \$4.6/ft			0181-0798	\$50,600
Drilling Head		0181-0860	\$40,000		
Tubing Head & Upper Section				0181-0870	\$30,000
Horizontal Completion Tools	Completion Liner Hanger			0181-0871	\$75,000
Sucker Rods				0181-0875	
Subsurface Equipment				0181-0880	\$10,000
Artificial Lift Systems	ESP			0181-0884	\$100,000
Pumping Unit				0181-0885	
Surface Pumps & Prime Movers	1/2 VRU/SWD pump/booster comp			0181-0886	\$50,000
Tanks - Oil	1/2 of 6 - 750 bbl			0181-0890	\$65,000
Tanks - Water	1/2 of 5 - 750 bbl coated			0181-0891	\$58,000
Separation / Treating Equipment	36x15x500 Hor 3 ph & 30x10x500 V1/2 Gun bbl/VRT			0181-0895	\$110,000
Heater Treaters, Line Heaters	8'x20'x125# HT			0181-0897	\$38,000
Metering Equipment				0181-0898	\$15,000
Line Pipe & Valves - Gathering				0181-0900	\$5,000
Fittings / Valves & Accessories				0181-0906	\$135,000
Cathodic Protection				0181-0908	\$57,500
Electrical Installation	Includes automation & ESP hookup			0181-0909	\$105,000
Equipment Installation				0181-0910	\$75,000
Pipeline Construction				0181-0920	\$5,000
TOTAL			\$496,300		\$1,120,500
SUBTOTAL			\$3,331,594		\$5,375,800

TOTAL WELL COST \$8,707,394

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: T. Cude Date: 2/12/2020
 Company Approval: *M. Whitton* Date: 2/12/2020

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

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

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

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

Case No. 21721

VERIFIED STATEMENT OF BRAD DUNN

Brad Dunn, being duly sworn upon his 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 been qualified by the Division as an expert petroleum landman.

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 and mineral owners into the Bone Spring 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 wells but have simply refused to voluntarily commit their interests to the wells. Some interest owners are or may be unlocatable.

(c) A plat outlining the unit being pooled is attached hereto as Attachment A. Mewbourne seeks an order approving a 320.00-acre horizontal spacing unit in the Bone Spring formation comprised of E/2W/2 of Section 19 and the E/2W/2 of Section 18, Township 19 South, Range 35 East, NMPM. Mewbourne further seeks the pooling of all mineral interests in the Bone Spring formation underlying the unit. The unit will be dedicated to both the Santa Vaca 19/18 B2NC State Com #1H and the Santa Vaca 19/18 B3NC State Com #2H wells. The referenced wells are horizontal wells. The Santa Vaca 19/18 B2NC State Com #1H has a first take point in Unit N of Section 19 and a final take point in Unit C of Section 18. The Santa Vaca 19/18 B3NC State Com #2H has a first take point in Unit N of Section 19 and a final take point in Unit C of Section 18.

(d) There are no depth severances in the Bone Spring formation.

EXHIBIT

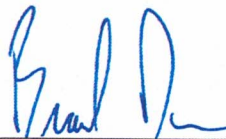
2-B

- (e) The parties being pooled and their interests are set forth in Attachment B. Their current and correct addresses are also set forth. To find the unlocatable parties we examined county and government records, and also conducted internet searches including google and drillinginfo.
- (f) Attachment C contains a summary of contacts with the interest owners, together with copies of the proposal letters sent to them.
- (g) Mewbourne has made a good faith effort to obtain the voluntary joinder of the working interest and mineral owners in the proposed wells.
- (h) Mewbourne has the right to pool the overriding royalty owners in the well unit.
- (i) Attachment D is the Authorization for Expenditure for each proposed well. The estimated cost of the wells set forth therein are fair and reasonable, and are comparable to the costs of other wells of similar depth and length drilled in this area of 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. They are also the rates set forth in the Joint Operating Agreement for the well unit. Mewbourne requests that these rates be adjusted periodically as provided in the COPAS Accounting Procedure.
- (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 wells.
- (m) The attachments to this affidavit were prepared by me or under my supervision, or compiled from company business records.
- (n) The granting of this application is in the interests of conservation and the prevention of waste.

VERIFICATION

STATE OF TEXAS)
) ss.
COUNTY OF MIDLAND)

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



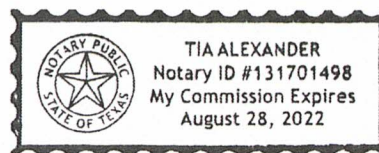
Brad Dunn

SUBSCRIBED AND SWORN TO before me this 22 day of February, 2021 by Brad Dunn.

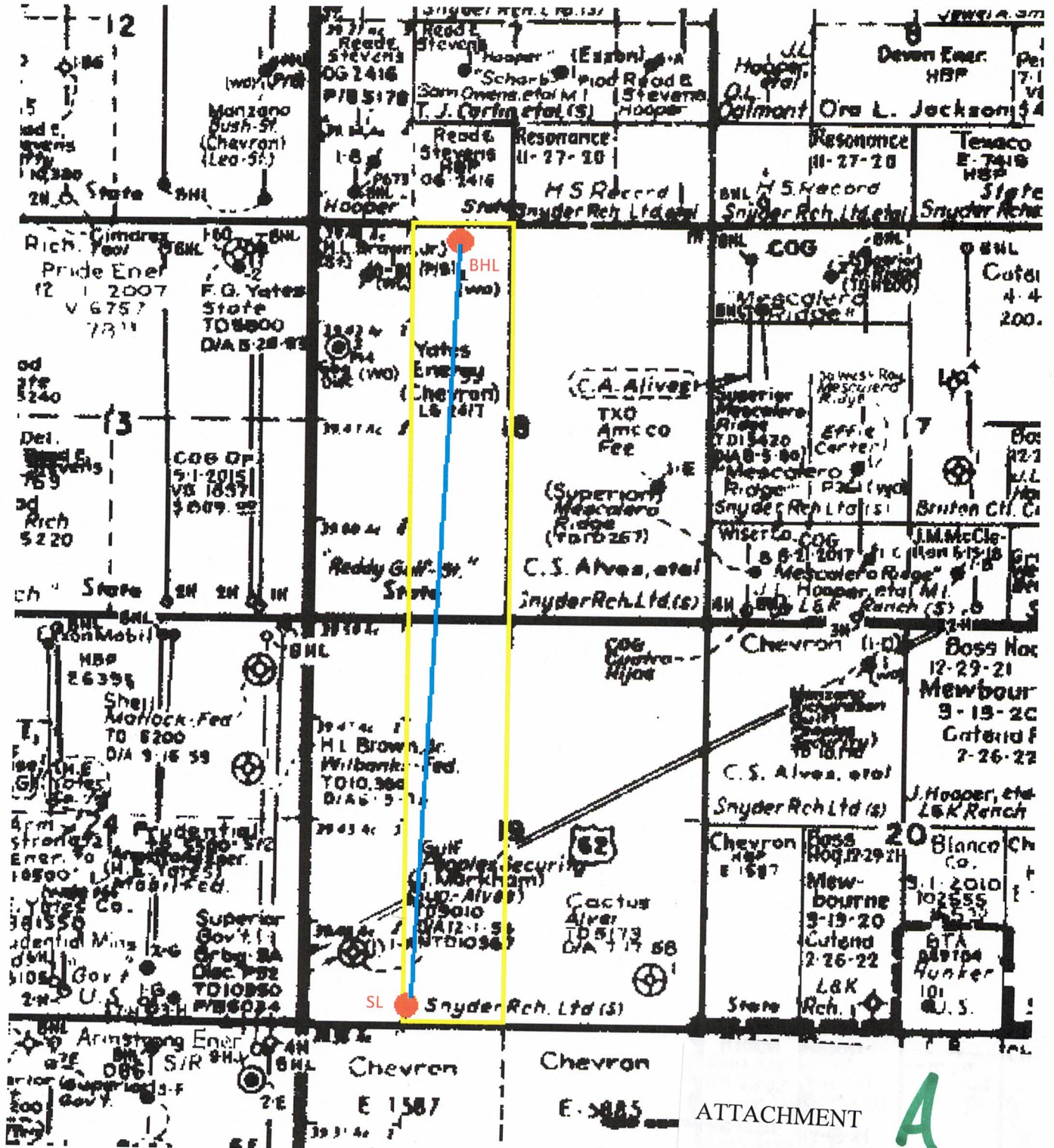
My Commission Expires: 8-28-22



Notary Public



Santa Vaca 19/18 B2NC State Com #1H &
Santa Vaca 19/18 B3NC State Com #2H
Sections 19 (E/2W/2) & 18 (E/2W/2), T19S, R35E
Lea County, New Mexico



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

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

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

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number		2 Pool Code		3 Pool Name	
4 Property Code		5 Property Name SANTA VACA 19/18 B2NC STATE COM			6 Well Number 1H
7 OGRID NO.		8 Operator Name MEWBOURNE OIL COMPANY			9 Elevation 3793'

10 Surface Location

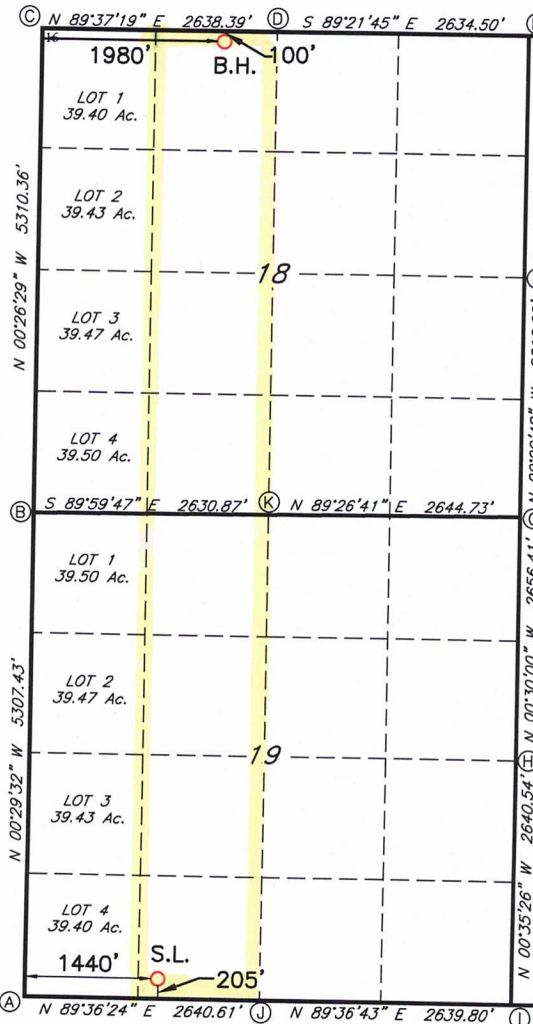
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet From the	East/West line	County
N	19	19S	35E		205	SOUTH	1440	WEST	LEA

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	18	19S	35E		100	NORTH	1980	WEST	LEA

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

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



GEODETIC DATA
NAD 83 GRID - NM EAST

SURFACE LOCATION
N: 597315.7 - E: 797698.5
LAT: 32.6393070° N
LONG: 103.5005125° W

BOTTOM HOLE
N: 607629.4 - E: 798154.4
LAT: 32.6676435° N
LONG: 103.4987681° W

CORNER DATA
NAD 83 GRID - NM EAST

A: FOUND 1/2" REBAR
N: 597100.9 - E: 796260.5

B: FOUND BRASS CAP "1912"
N: 602407.1 - E: 796215.0

C: FOUND NAIL
N: 607716.3 - E: 796174.1

D: FOUND 1/2" REBAR
N: 607733.7 - E: 798811.9

E: CALCULATED CORNER
N: 607704.4 - E: 801445.7

F: FOUND 1/2" REBAR
N: 605049.0 - E: 801488.8

G: FOUND LIMESTONE ROCK
N: 602432.6 - E: 801489.4

H: FOUND 8"x4"x4" LIMESTONE ROCK
N: 599776.8 - E: 801512.6

I: FOUND 5/8" REBAR
N: 597136.9 - E: 801539.8

J: FOUND 1/2" REBAR
N: 597119.0 - E: 798900.6

K: FOUND 12"x6"x4" LIMESTONE ROCK
N: 602406.9 - E: 798845.3

17 OPERATOR CERTIFICATION

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

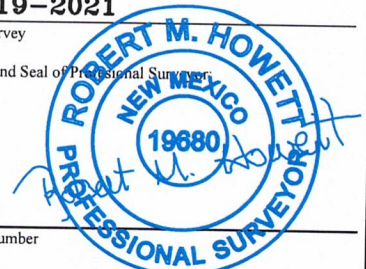
Signature _____ Date _____
Printed Name _____
E-mail Address _____

18 SURVEYOR CERTIFICATION

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

02-19-2021

Date of Survey _____
Signature and Seal of Professional Surveyor _____



19680
Certificate Number

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
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State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
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Santa Fe, NM 87505

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

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number		² Pool Code		³ Pool Name		
⁴ Property Code		⁵ Property Name SANTA VACA 19/18 B3NC STATE COM				⁶ Well Number 2H
⁷ OGRID NO.		⁸ Operator Name MEWBOURNE OIL COMPANY				⁹ Elevation 3793'

¹⁰ Surface Location

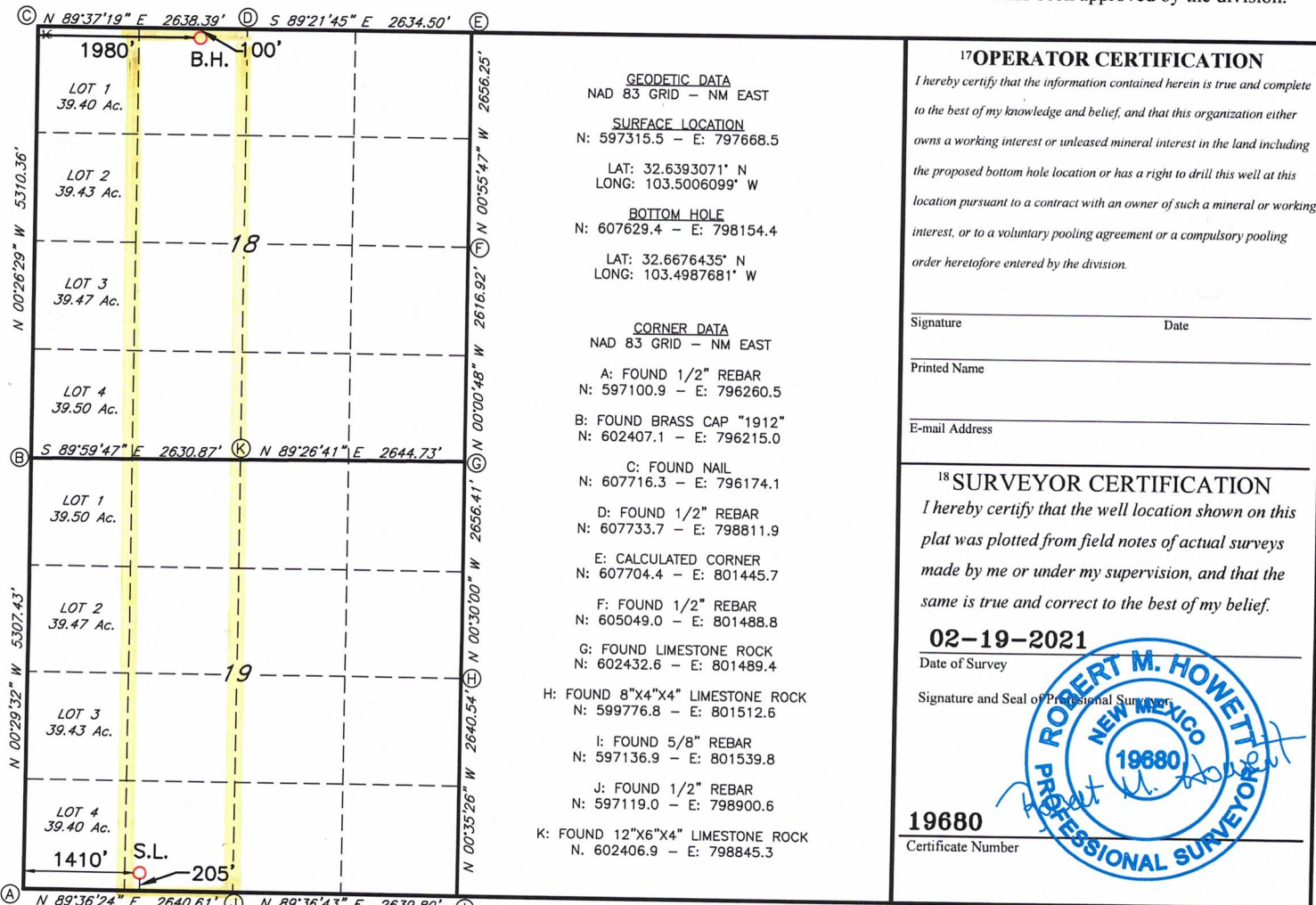
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet From the	East/West line	County
N	19	19S	35E		205	SOUTH	1410	WEST	LEA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	18	19S	35E		100	NORTH	1980	WEST	LEA

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

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

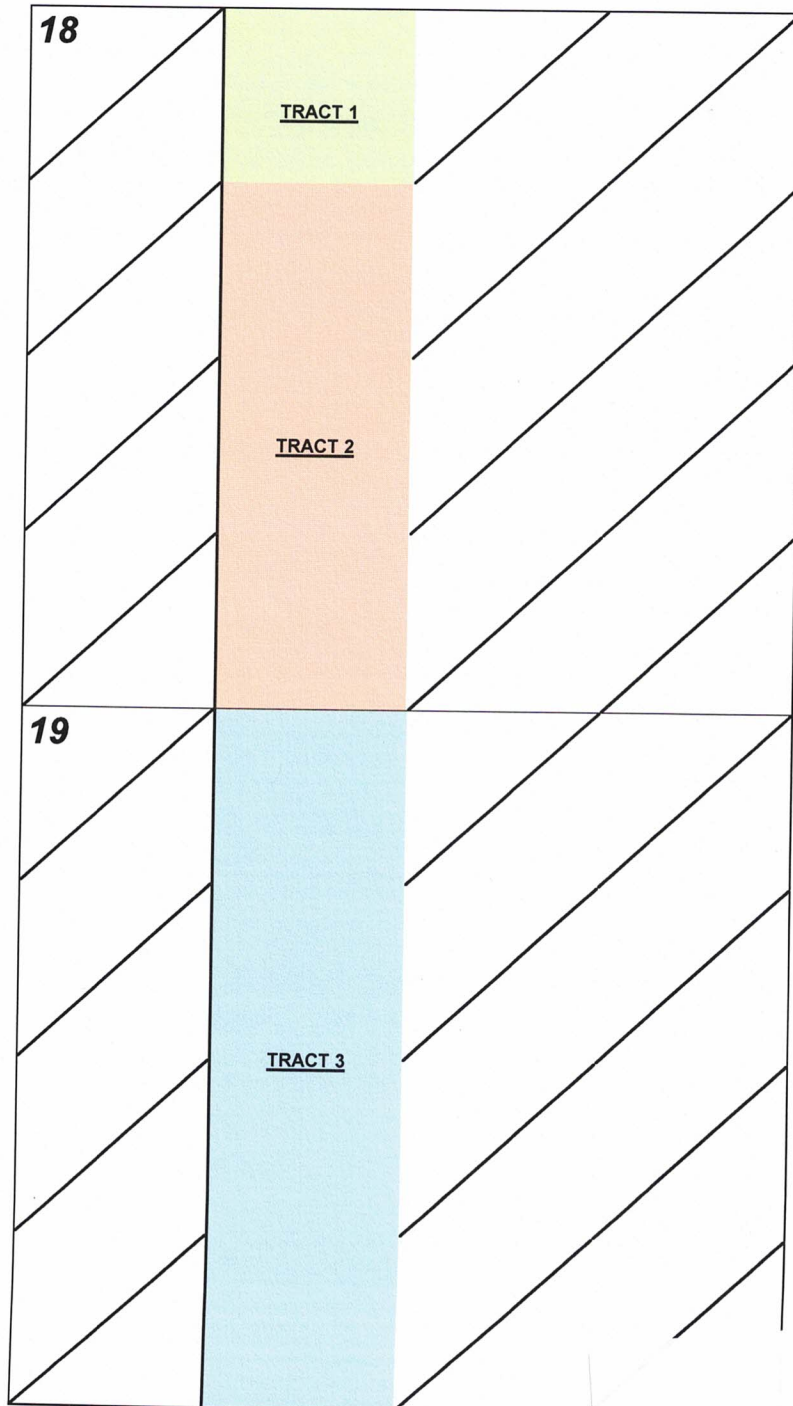


SECTION PLAT

East Half of the West Half (E/2W/2) of Section 18, Township 19 South, Range 35 East

East Half of the West Half (E/2W/2) of Section 19, Township 19 South, Range 35 East

County of Lea, State of New Mexico



ATTACHMENT

B

Tract 1: NE4NW4 SEC. 18-STATE LEASE NO. LG-2417

Yates Energy Corporation

Hutchings Oil Company

Jalapeno Corporation

Innoventions Inc.

Seven Rivers, Inc.

Yates-US Inc.

Petro-Yates, Inc.

James H. Bond

Sealy Hutchings Cavin, Inc.

Scott Brothers Trust

Grande Drilling Corporation

Tract 2: E2SW4 SEC. 18-STATE LEASE NO. LG-2417

Chevron USA Inc.

Tract 3: E2W2 SEC. 19-FEE LEASE

Mewbourne Oil Company

TRACT OWNERSHIP
Santa Vaca 19/18 B2NC State Com #1H &
Santa Vaca 19/18 B3NC State Com #2H
Sections 19 (E/2W/2) & 18 (E/2W/2), T19S, R35E
Lea County, New Mexico

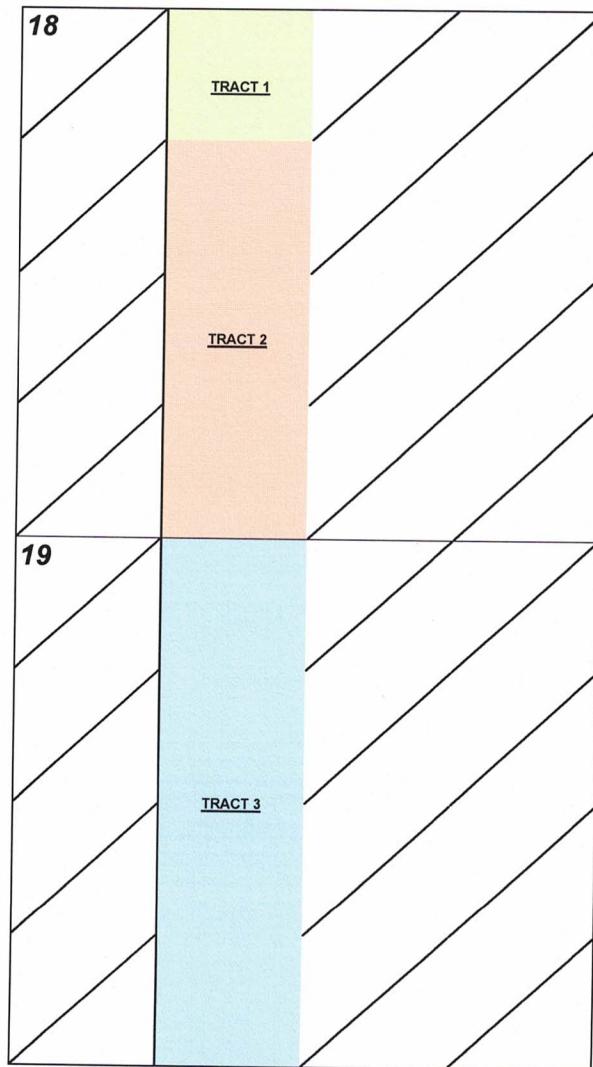
Sections 19 (E/2W/2) & 20 (E/2W/2):
Wolfcamp formation:

	<u>% Leasehold Interest</u>
Mewbourne Oil Company, et al 500 West Texas, Suite 1020 Midland, Texas 79701	59.234805%
Chevron U.S.A. Inc.* P.O. Box 2100 Houston, Texas 77252	37.500000%
Seven Rivers, Inc.* P.O. Box 1598 Carlsbad, NM 88220-1598	1.240625%
James H. Bond* 4208 Beechwood Ln. Dallas, TX 75220-1908	1.240625%
Occidental Permian Limited Partnership* 5 Greenway Plaza, STE 110 Houston, TX 77046	0.783945%
	<hr/> 100.000000%

*** Total interest being pooled: 47.429426%**

RECAPITULATION FOR SANTA VACA 19/18 B2NC STATE COM #1H & SANTA VACA B3NC STATE COM #2H

Tract Number	Number of Acres Committed	Percentage of Interest In Communitized Area
1	40.00	12.500000%
2	120.00	37.500000%
3	160.00	50.000000%
TOTAL	320.00	100.000000%



Summary of Communications
Santa Vaca 19/18 B2NC State Com #1H &
Santa Vaca 19/18 B3NC State Com #2H

CHEVRON U.S.A. INC.

- 1) 01/22/2020: Email correspondence between Cy Shook at Mewbourne and Shalyce Holmes at CVX regarding participating in the upcoming Santa Vaca wells
- 2) 02/14/2020: Mailed well proposal letters with AFEs via certified mail & emailed them to Ms. Shalyce Holmes
- 3) 02/14/2020: Email correspondence with Shalyce Holmes at Chevron. She indicated their lack of desire to participate in the proposed Santa Vaca wells.
- 4) 07/03/2020: Re-proposed well proposal letter with AFEs via certified mail to account for a well footing description error on the previous proposals sent

Seven Rivers, Inc.

- 1) 09/10/2020: Mailed well proposal letters with AFEs via certified mail
- 2) 10/13/2020: Certified mail returned due to unlocatable/undeliverable address.
- 3) 10/15/2020: Detailed search on the internet for a new address of this company/current contact information. Company unlocatable.
- 4) 11/05/2020: Detailed search on the internet for a new address of this company/current contact information. Company unlocatable.

James H. Bond

- 1) 09/10/2020: Mailed well proposal letters with AFEs via certified mail
- 2) 10/01/2020: Detailed search on the internet for a new address of this company/current contact information. Company unlocatable.
- 3) 11/05/2020: Detailed search on the internet for a new address of this company/current contact information. Company unlocatable.

Occidental Permian Limited Partnership

- 1) 12/22/2020: Mailed well proposal letters with AFEs via certified mail
- 2) 12/29/2020: Email correspondence with Clay Carroll who represents this interest regarding spud date questions and participation updates with the recently received well proposals.
- 3) 12/29/2020: Emailed Clay Carroll back answering his questions and providing him with requested information.

ATTACHMENT

C

MEWBOURNE OIL COMPANY

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

TELEPHONE (432) 682-3715
FACSIMILE (432) 685-4170

December 14, 2020

Via Certified Mail

Chevron U.S.A. Inc.
1400 Smith Street
Houston, TX 77002
Attn: Shalyce Holmes

- Re:
1. Santa Vaca 19/18 B2NC State Com #1H
205' FSL & 1440' FWL (19) (SL)
100' FNL & 1980' FWL (18) (BHL)
Sections 19/18, T19S, R35E
Lea County, New Mexico
 2. Santa Vaca 19/18 B3NC State Com #1H
205' FSL & 1410' FWL (19) (SL)
100' FNL & 1980' FWL (18) (BHL)
Sections 19/18, T19S, R35E
Lea County, New Mexico
 3. Updated page 8 to Santa Vaca 19/18 JOA dated 02/01/2020

Ladies and Gentlemen:

Under the terms of the governing Operating Agreement dated February 1, 2020, Mewbourne Oil Company as Operator hereby proposes to drill the captioned wells. The targeted interval for the proposed unit is the Bone Spring Formation. Mewbourne as Operator hereby proposes to drill the following horizontal Bone Spring wells:

1. Santa Vaca 19/18 B2NC State Com #1H will have a surface location 205' FSL & 1440' FWL in the above captioned Section 19 and a bottom hole location approximately 100' FNL & 1980' FWL of the above captioned Section 18. We anticipate drilling to an approximate total vertical depth of 10,251' and an approximate total measured depth of 20,486'. The E2W2 of Section 19 and the E2W2 of Section 18 will be dedicated to the well as the proration unit.
2. Santa Vaca 19/18 B2NC State Com #1H will have a surface location 205' FSL & 1410' FWL in the above captioned Section 19 and a bottom hole location approximately 100' FNL & 1980' FWL of the above captioned Section 18. We anticipate drilling to an approximate total vertical depth of 10,761' and an approximate total measured depth of 21,013'. The E2W2 of Section 19 and the E2W2 of Section 18 will be dedicated to the well as the proration unit.

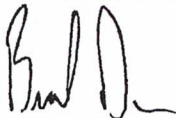
Regarding the above, enclosed for your further handling are our AFE's dated December 10, 2020 for the captioned proposed wells. In the event your firm elects to participate in the proposed wells, please execute the enclosed AFE's and return them to me within thirty (30) days.

Lastly, please replace the attached page 8 of the Santa Vaca 19/18 Operating Agreement that was originally sent to you on February 14, 2020. This new page 8 extends the initial well date to February 1, 2022.

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

Sincerely,

MEWBOURNE OIL COMPANY

A handwritten signature in black ink, appearing to read 'Brad Dunn', with a stylized flourish at the end.

Brad Dunn
Petroleum Landman



December 24, 2020

Dear Simple Certified:

The following is in response to your request for proof of delivery on your item with the tracking number: **9414 8368 9784 6449 2174 95**.

Item Details

Status: Delivered
Status Date / Time: December 24, 2020, 12:28 pm
Location: HOUSTON, TX 77002
Postal Product: First-Class Mail®
Extra Services: Certified Mail™
Return Receipt Electronic
Recipient Name: SHALYEE HOLMES

Shipment Details

Weight: 2.0oz

Recipient Signature

Signature of Recipient:	<small>Signature</small> X See Firm Sheet
	<small>Printed Name</small> Caller Service
Address of Recipient:	<small>Delivery Address</small> [Faded address text]

Note: Scanned image may reflect a different destination address due to Intended Recipient's delivery instructions on file.

Thank you for selecting the United States Postal Service® for your mailing needs. If you require additional assistance, please contact your local Post Office™ or a Postal representative at 1-800-222-1811.

Sincerely,
United States Postal Service®
475 L'Enfant Plaza SW
Washington, D.C. 20260-0004

shalyee Holmes
Chevron U.S.A. Inc.
1400 Smith Street
Houston, TX 77002
Reference #: Santa Vaca 19/18

MEWBOURNE OIL COMPANY

AUTHORIZATION FOR EXPENDITURE

Well Name: SANTA VACA 19/18 B2NC STATE COM #1H		Prospect: SANTA VACA 19/18	
Location: SL: 205 FSL & 1440 FWL (19); BHL: 100 FNL & 1980 FWL (18)		County: Lea	ST: NM
Sec. 19	Blk: 	Survey: 	TWP: 19S RNG: 35E Prop. TVD: 10251 TMD: 20486

INTANGIBLE COSTS 0180		CODE	TCP	CODE	CC
Regulatory Permits & Surveys		0180-0100	\$20,000	0180-0200	
Location / Road / Site / Preparation		0180-0105	\$45,000	0180-0205	\$25,000
Location / Restoration		0180-0106	\$200,000	0180-0206	\$40,000
Daywork / Turnkey / Footage Drilling	28 days drlg / 4 days comp @ \$18,550/d	0180-0110	\$554,700	0180-0210	\$79,200
Fuel	1700 gal/day @ \$1.30/gal	0180-0114	\$68,400	0180-0214	\$167,700
Alternate Fuels		0180-0115		0180-0215	
Mud, Chemical & Additives		0180-0120	\$200,000	0180-0220	
Mud - Specialized		0180-0121		0180-0221	
Horizontal Drillout Services				0180-0222	\$200,000
Stimulation Toe Preparation				0180-0223	\$25,000
Cementing		0180-0125	\$100,000	0180-0225	\$30,000
Logging & Wireline Services		0180-0130	\$2,500	0180-0230	\$395,000
Casing / Tubing / Snubbing Service		0180-0134	\$20,000	0180-0234	\$60,000
Mud Logging		0180-0137	\$20,000		
Stimulation	50 Stg 20.1MM gal & 20.1MM lbs			0180-0241	\$1,250,000
Stimulation Rentals & Other				0180-0242	\$150,000
Water & Other		0180-0145	\$60,000	0180-0245	\$408,900
Bits		0180-0148	\$110,500	0180-0248	\$8,000
Inspection & Repair Services		0180-0150	\$40,000	0180-0250	\$5,000
Misc. Air & Pumping Services		0180-0154		0180-0254	\$10,000
Testing & Flowback Services		0180-0158	\$15,000	0180-0258	\$30,000
Completion / Workover Rig				0180-0260	\$10,500
Rig Mobilization		0180-0164	\$120,000		
Transportation		0180-0165	\$30,000	0180-0265	\$20,000
Welding, Construction, & Maint. Services		0180-0168	\$5,000	0180-0268	\$15,000
Contract Services & Supervision		0180-0170		0180-0270	\$20,500
Directional Services	Includes vertical control	0180-0175	\$400,500		
Equipment Rental		0180-0180	\$247,800	0180-0280	\$20,000
Well / Lease Legal		0180-0184	\$5,000	0180-0284	
Well / Lease Insurance		0180-0185	\$5,700	0180-0285	
Intangible Supplies		0180-0188	\$8,000	0180-0288	\$10,000
Damages		0180-0190	\$10,000	0180-0290	
Pipeline Interconnect & ROW Easements		0180-0192		0180-0292	\$4,000
Company Supervision		0180-0195	\$174,000	0180-0295	\$119,600
Overhead Fixed Rate		0180-0196	\$10,000	0180-0296	\$20,000
Contingencies	2% (TCP) 2% (CC)	0180-0199	\$49,400	0180-0299	\$62,500
TOTAL			\$2,521,500		\$3,185,900

TANGIBLE COSTS 0181		CODE	TCP	CODE	CC
Casing (19.1" - 30")		0181-0793			
Casing (10.1" - 19.0")	1890' - 13 3/8" 54.5# J-55 ST&C @ \$32.16/ft	0181-0794	\$64,900		
Casing (8.1" - 10.0")	3430' - 9 5/8" 40# HCL80 LT&C @ \$24.42/ft	0181-0795	\$89,500		
Casing (6.1" - 8.0")	10700' - 7" 29# HCP-110 LT&C @ \$21.47/ft	0181-0796	\$245,400		
Casing (4.1" - 6.0")	10500' - 4 1/2" 13.5# P-110 BPN @ \$11.72/ft			0181-0797	\$131,400
Tubing	9850' - 2 7/8" 6.5# EUE tbg @ \$4.54/ft			0181-0798	\$47,800
Drilling Head		0181-0860	\$40,000		
Tubing Head & Upper Section				0181-0870	\$50,000
Horizontal Completion Tools	Completion liner hanger			0181-0871	\$82,000
Subsurface Equip. & Artificial Lift	ESP			0181-0880	\$110,000
Pumping Unit Systems				0181-0885	
Surface Pumps	(1/2) VRU/SWD pump/booster comp			0181-0886	\$30,000
Storage Tanks	(1/2) 6 - 750 bbl & 5 - 750 bbl coated			0181-0890	\$130,000
Emissions Control Equipment	(1/2) VRTs/VRU/Flare/KOs			0181-0892	\$123,000
Separation / Treating Equipment	GB/30"x10"x1k# 3ph/36"x15"x1k#/8"x20"x75# HT			0181-0895	\$102,000
Automation Metering Equipment				0181-0898	\$63,000
Line Pipe & Valves - Gathering				0181-0900	\$18,000
Fittings / Valves & Accessories				0181-0906	\$110,000
Cathodic Protection				0181-0908	\$8,000
Electrical Installation	Incl. ESP hookup			0181-0909	\$125,000
Equipment Installation				0181-0910	\$75,000
Pipeline Construction				0181-0920	\$25,000
TOTAL			\$439,800		\$1,230,200
SUBTOTAL			\$2,961,300		\$4,416,100

TOTAL WELL COST \$7,377,400

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: 12/10/2020

Company Approval: _____ Date: _____

Joint Owner Interest: _____ Amount: _____

Joint Owner Name: _____ Signature: _____

ATTACHMENT

MEWBOURNE OIL COMPANY
AUTHORIZATION FOR EXPENDITURE

Well Name: **SANTA VACA 19/18 B3NC STATE COM #2H** Prospect: **SANTA VACA 19/18**
 Location: **SL: 205 FSL & 1410 FWL (19); BHL: 100 FNL & 1980 FWL (18)** County: **Lea** ST: **NM**
 Sec. **19** Blk: Survey: TWP: **19S** RNG: **35E** Prop. TVD: **10761** TMD: **21013**

INTANGIBLE COSTS 0180		CODE	TCP	CODE	CC
Regulatory Permits & Surveys		0180-0100	\$20,000	0180-0200	
Location / Road / Site / Preparation		0180-0105	\$45,000	0180-0205	\$25,000
Location / Restoration		0180-0106	\$200,000	0180-0206	\$40,000
Daywork / Turnkey / Footage Drilling	30 days drlg / 4 days comp @ \$18,550/d	0180-0110	\$594,300	0180-0210	\$79,200
Fuel	1700 gal/day @ \$1.30/gal	0180-0114	\$73,200	0180-0214	\$167,700
Alternate Fuels		0180-0115		0180-0215	
Mud, Chemical & Additives		0180-0120	\$200,000	0180-0220	
Mud - Specialized		0180-0121		0180-0221	
Horizontal Drillout Services				0180-0222	\$200,000
Stimulation Toe Preparation				0180-0223	\$25,000
Cementing		0180-0125	\$100,000	0180-0225	\$30,000
Logging & Wireline Services		0180-0130	\$2,500	0180-0230	\$395,000
Casing / Tubing / Snubbing Service		0180-0134	\$20,000	0180-0234	\$60,000
Mud Logging		0180-0137	\$20,000		
Stimulation	50 Stg 20.1MM gal & 20.1MM lbs			0180-0241	\$1,250,000
Stimulation Rentals & Other				0180-0242	\$150,000
Water & Other		0180-0145	\$60,000	0180-0245	\$408,900
Bits		0180-0148	\$110,500	0180-0248	\$8,000
Inspection & Repair Services		0180-0150	\$40,000	0180-0250	\$5,000
Misc. Air & Pumping Services		0180-0154		0180-0254	\$10,000
Testing & Flowback Services		0180-0158	\$15,000	0180-0258	\$30,000
Completion / Workover Rig				0180-0260	\$10,500
Rig Mobilization		0180-0164	\$120,000		
Transportation		0180-0165	\$30,000	0180-0265	\$20,000
Welding, Construction, & Maint. Services		0180-0168	\$5,000	0180-0268	\$15,000
Contract Services & Supervision		0180-0170		0180-0270	\$20,500
Directional Services	Includes vertical control	0180-0175	\$432,500		
Equipment Rental		0180-0180	\$264,900	0180-0280	\$20,000
Well / Lease Legal		0180-0184	\$5,000	0180-0284	
Well / Lease Insurance		0180-0185	\$5,700	0180-0285	
Intangible Supplies		0180-0188	\$8,000	0180-0288	\$10,000
Damages		0180-0190	\$10,000	0180-0290	
Pipeline Interconnect & ROW Easements		0180-0192		0180-0292	\$4,000
Company Supervision		0180-0195	\$186,000	0180-0295	\$119,600
Overhead Fixed Rate		0180-0196	\$10,000	0180-0296	\$20,000
Contingencies	2% (TCP) 2% (CC)	0180-0199	\$51,600	0180-0299	\$62,500
TOTAL			\$2,629,200		\$3,185,900

TANGIBLE COSTS 0181		CODE	TCP	CODE	CC
Casing (19.1" - 30")		0181-0793			
Casing (10.1" - 19.0")	1890' - 13 3/8" 54.5# J-55 ST&C @ \$32.16/ft	0181-0794	\$64,900		
Casing (8.1" - 10.0")	3430' - 9 5/8" 40# HCL80 LT&C @ \$24.42/ft	0181-0795	\$89,500		
Casing (6.1" - 8.0")	11225' - 7" 29# HCP-110 LT&C @ \$21.47/ft	0181-0796	\$257,400		
Casing (4.1" - 6.0")	10500' - 4 1/2" 13.5# P-110 BPN @ \$11.72/ft			0181-0797	\$131,400
Tubing	10375' - 2 7/8" 6.5# EUE tbg @ \$4.54/ft			0181-0798	\$50,300
Drilling Head		0181-0860	\$40,000		
Tubing Head & Upper Section				0181-0870	\$50,000
Horizontal Completion Tools	Completion liner hanger			0181-0871	\$82,000
Subsurface Equip. & Artificial Lift	ESP			0181-0880	\$110,000
Pumping Unit Systems				0181-0885	
Surface Pumps	(1/2) VRU/SWD pump/booster comp			0181-0886	\$30,000
Storage Tanks	(1/2) 6 - 750 bbl & 5 - 750 bbl coated			0181-0890	\$130,000
Emissions Control Equipment	(1/2) VRTs/VRU/Flare/KOs			0181-0892	\$123,000
Separation / Treating Equipment	GB/30"x10"x1k# 3ph/36"x15"x1k#8"x20"x75# HT			0181-0895	\$102,000
Automation Metering Equipment				0181-0898	\$63,000
Line Pipe & Valves - Gathering				0181-0900	\$18,000
Fittings / Valves & Accessories				0181-0906	\$110,000
Cathodic Protection				0181-0908	\$8,000
Electrical Installation	Incl. ESP hookup			0181-0909	\$125,000
Equipment Installation				0181-0910	\$75,000
Pipeline Construction				0181-0920	\$25,000
TOTAL			\$451,800		\$1,232,700
SUBTOTAL			\$3,081,000		\$4,418,600

TOTAL WELL COST \$7,499,600

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 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: 12/10/2020
 Company Approval: _____ Date: _____
 Joint Owner Interest: _____ Amount: _____
 Joint Owner Name: _____ Signature: _____

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

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

Case No. 21403

SELF-AFFIRMED STATEMENT OF
NATHAN CLESS

1. I am over 18 years of age and am competent to provide this Self-Affirmed Statement. I have personal knowledge of the matters addressed herein.
2. I am the District geologist at Mewbourne Oil Company ("Mewbourne"). I am familiar with the geological matters that pertain to Mewbourne's application.
3. I have previously testified before the New Mexico Oil Conservation Division as an expert in geology, and my qualifications were accepted.
4. A structure map of the top of the Wolfcamp, which is the base of the Bone Spring formation, is attached as ~~Exhibit B-1~~ *Attachment A*. The map shows that the structure dips to the south with approximately 200' of elevation change across the HSU. It also shows a line of cross section and the HSU for the proposed Santa Vaca 19/18 B2MD State Com #1H and the Santa Vaca 19/18 B3MD State Com #2H.
5. Attached as ~~Exhibit B-2~~ *Attachment B* is a gross sand isopach map of the Third Bone Spring Sand formation, which is the target zone for the proposed Santa Vaca 19/18 B3MD State Com #2H. It shows that the sand across the HSU has an approximate thickness of 200-250'.

EXHIBIT

3 A

Attachment C

6. Attached as ~~Exhibit B-3~~ is a gross sand isopach map of the Second Bone Spring Sand formation, which is the target zone for the proposed Santa Vaca 19/18 B2MD State Com #1H. It shows that the sand across the HSU has an approximate thickness of 437-500'.

Attachment D

7. Attached as ~~Exhibit B-4~~ is a west to east cross section. The well logs on the cross section provide a representative sample of the Second and Third Bone Spring Sand formations in the area. The target zone for the proposed wells is continuous across the HSU.

Attachment E

8. Attached as ~~Exhibit B-5~~ is a table containing production data from Second and Third Bone Spring Sand wells drilled in the vicinity. The preference is for standup wells (north to south or south to north), and the completed wells in the area apparently are commercial.

Attachment F

9. ~~Exhibit B-6~~ includes Well Planning Reports for the proposed wells. The report contains a plot and lateral trajectory schematics of the planned wellbore. The well's producing interval will be orthodox.

10. There are no depth severances in the Bone Spring formation in the proposed HSU.

11. Based on the information discussed above, I am able to conclude that:

a) The HSU is justified from a geologic standpoint;

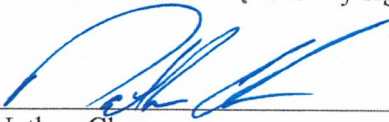
b) There is no faulting or other geologic impediment that could adversely affect the drilling of the proposed wells; and

c) Each quarter-quarter section in the HSU will contribute more or less equally to production.

12. In my opinion, the granting of Mewbourne's application will serve the interests of conservation and the prevention of waste.

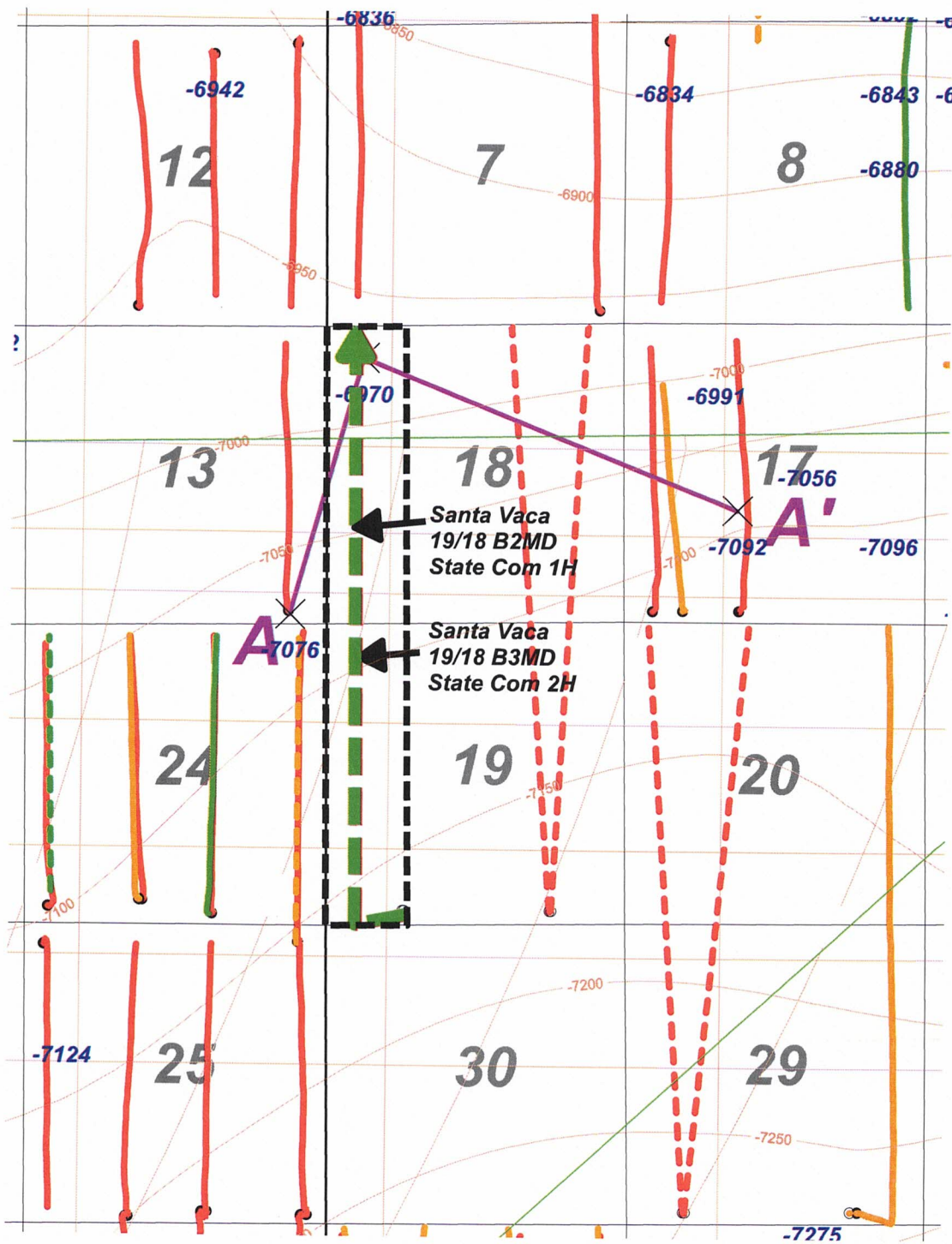
13. Exhibits B-1 through B-6 were either prepared by me or compiled from company records.

14. I understand that this Self-Affirmed Statement will be used as written testimony in this case. I affirm that my testimony in paragraphs 1 through 13 above is true and correct and is made under penalty of perjury under the laws of the State of New Mexico. My testimony is made as of the date handwritten next to my signature below.



Nathan Cless

3/11/2021
Date



Wells deeper than 7000'



TD

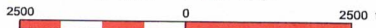
WFMP Top (subsea)

BSPG Horizontal Color Code

- 1st BSPG Sd Well
- 2nd BSPG Sd Well
- 3rd BSPG Sd Well

- Drilled Well
- Permit

1 inch = 2200 feet



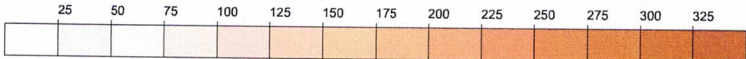
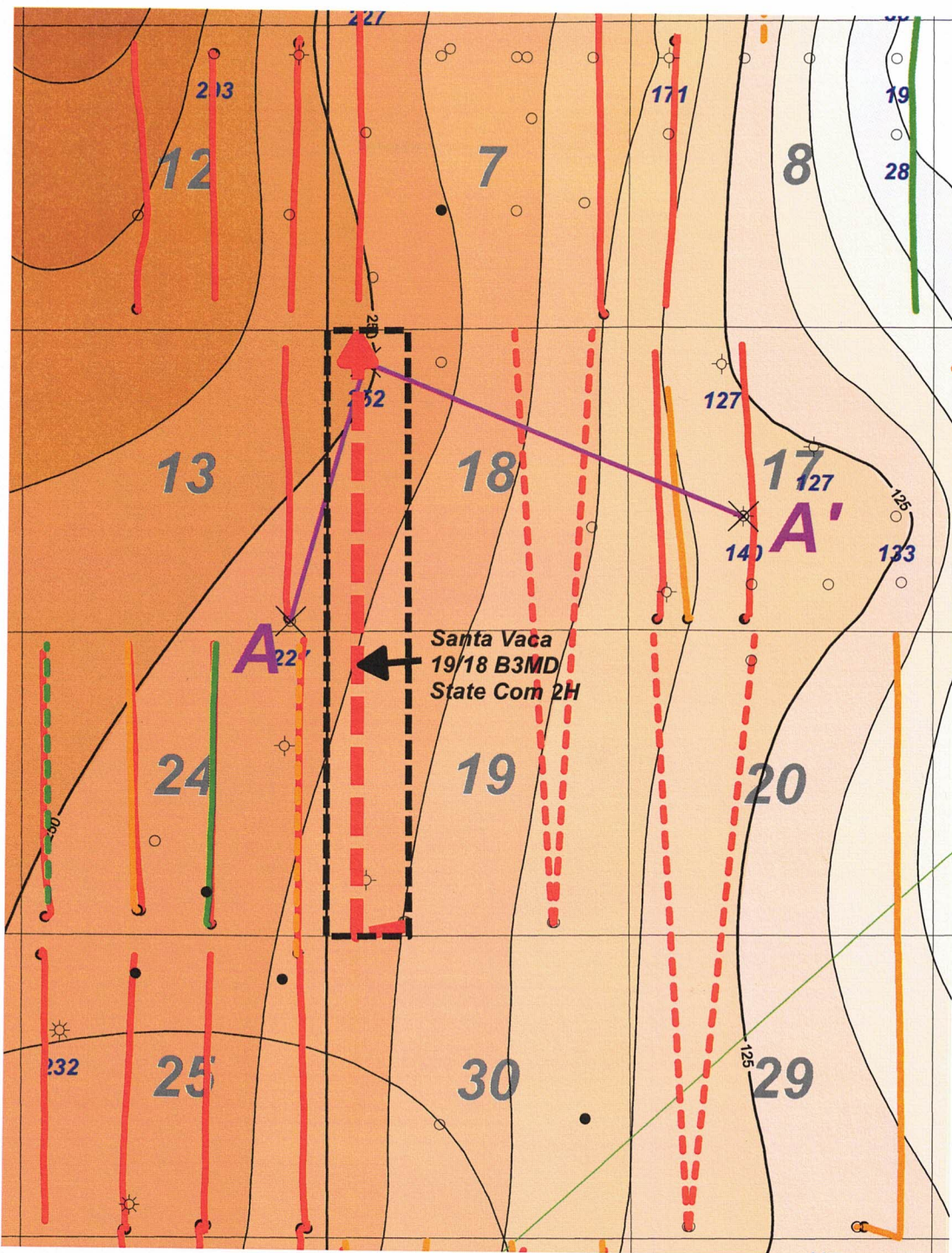
N



MOC Mewbourne Oil Company		
Santa Vaca 19/18 B2MD State Com #1H & Santa Vaca 19/18 B3MD State Com #2H Wolfcamp Top Structure Map C.I. = 50'		
19S/35E	Lea County	New Mexico
3/8/21	Scale: 1" = 2200'	

A

ATTACHMENT



3rd BSPG Gross Sand Thickness (ft)

Wells deeper than 7000'

TD

3rd BSPG Sd gross thickness (ft)

BSPG Horizontal Color Code

- 1st BSPG Sd Well
- 2nd BSPG Sd Well
- 3rd BSPG Sd Well

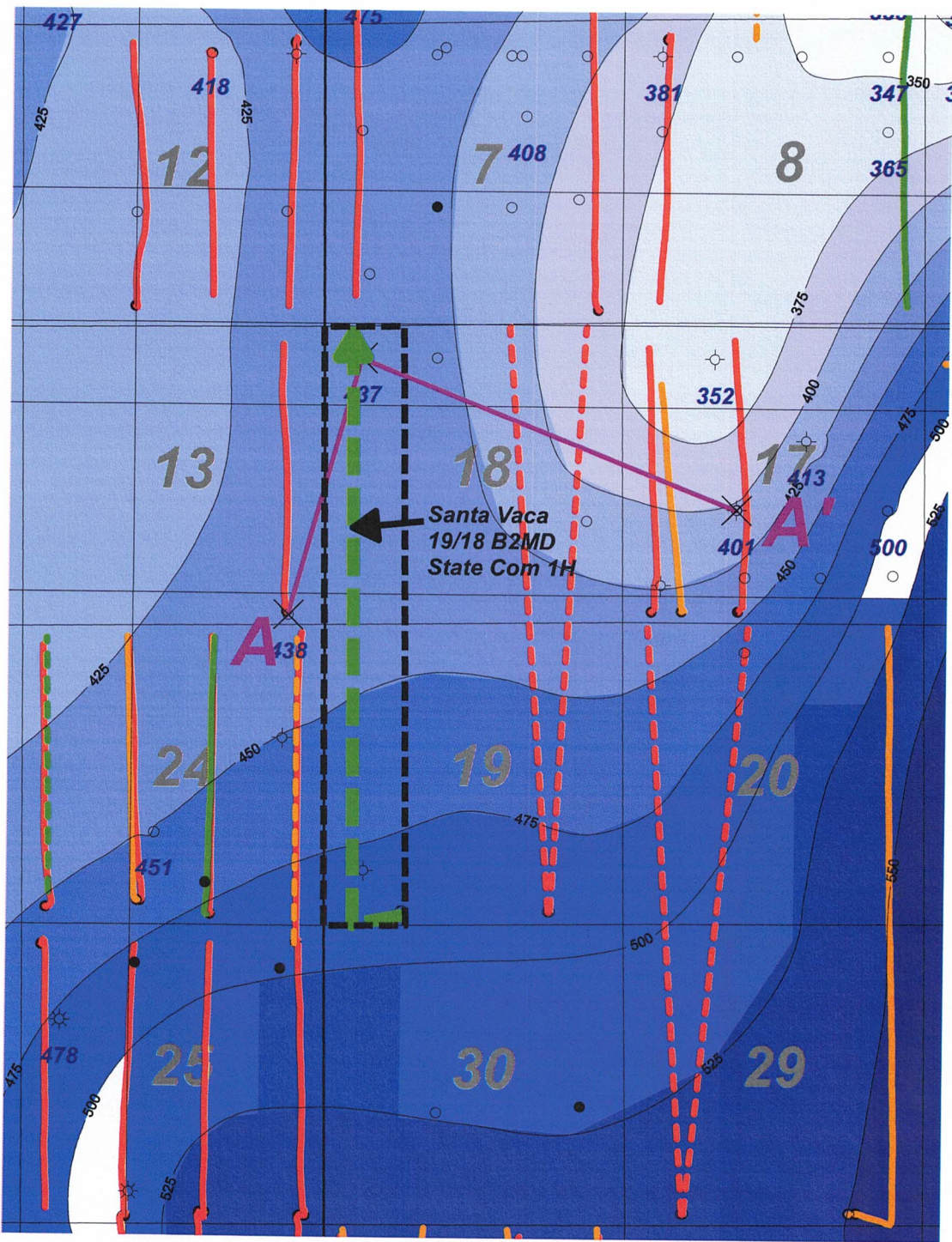
Drilled Well
 Permit

1 inch = 2200 feet
 2500 0 2500 ft



MOC Mewbourne Oil Company		
Santa Vaca 19/18 B3MD State Com #2H 3rd BSPG Sand Gross Thickness Isopach Map C.I. = 25'		
19S/35E	Lea County	New Mexico
3/8/2021	Scale: 1" = 2200'	

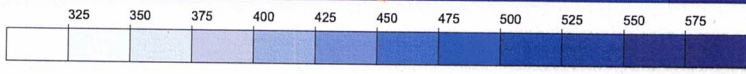
ATTACHMENT B



Wells deeper than 7000'

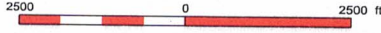
● TD

2nd BSPG Sd gross thickness (ft)



2nd BSPG Gross Sand Thickness (ft)

1 inch = 2200 feet



BSPG Horizontal Color Code

- 1st BSPG Sd Well
- 2nd BSPG Sd Well
- 3rd BSPG Sd Well

- Drilled Well
- Permit

MOC Mewbourne Oil Company

Santa Vaca 19/18 B2MD State Com #1H
2nd BSPG Sand Gross Thickness Isopach Map
C.I. = 25'

19S/35E	Lea County	New Mexico
3/8/21	Scale: 1" = 2200'	

ATTACHMENT C

A

A'

30224198700 4588 ft 3025214920 7097 ft 30252672500

COG OPERATING LLC
SUPER COBRA STATE # 1H
TWP: 19 S - Range 34 E - Sec. 13
Reference=KB
Datum=3895.00

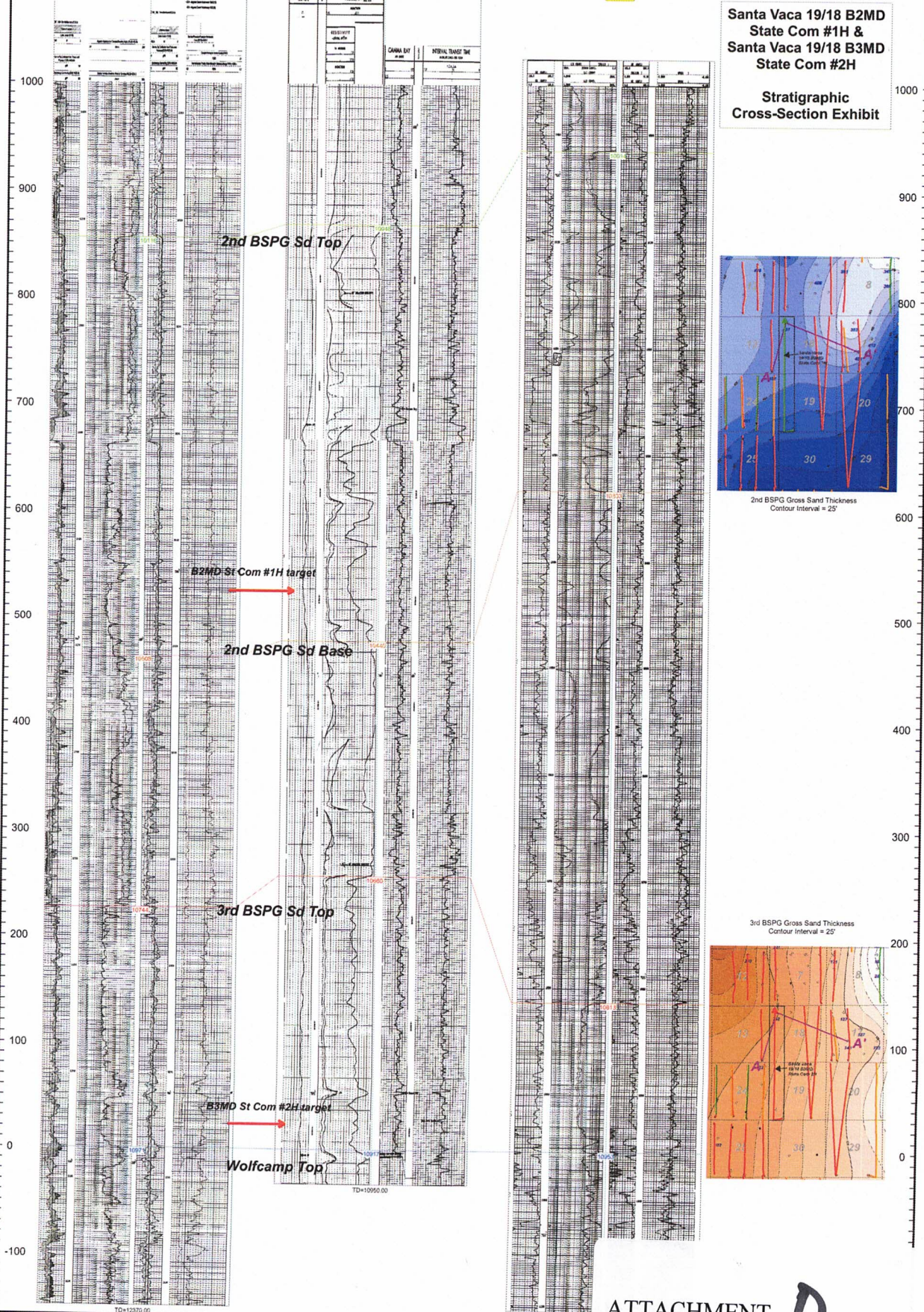
BROWN H L JR
STATE B 18 S
TWP: 19 S - Range 35 E - Sec. 18
Reference=KB
Datum=3947.00

SOUTHWEST ROYALTIES INCORPORATED
MESCALERO RIDGE 1
TWP: 19 S - Range 35 E - Sec. 17
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13P

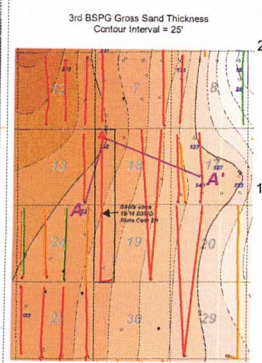
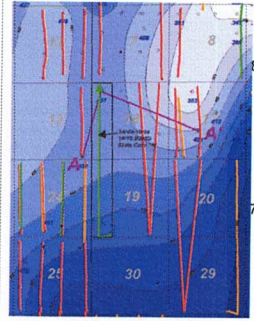
18D

17K



Santa Vaca 19/18 B2MD
State Com #1H &
Santa Vaca 19/18 B3MD
State Com #2H

Stratigraphic
Cross-Section Exhibit



Santa Vaca 2nd & 3rd Bone Spring Sand Horizontal Production Data Table

Well Name	Operator	API	Location	Comp Date	Cum Oil (MBO)	Cum Gas (BCF)	Cum Water (MBW)	NS/EW	HZ Target
PERLA NEGRA FEDERAL COM 7H	XTO ENERGY INC	300254381200	24OB/19S/34E	2/1/2018	249	0.35	157	NS	2nd BSPG Sd
HIBISCUS 08 19 35 RN STATE COM 124H	MATADOR PRODUCTION CO	300254250200	8AP/19S/35E	1/9/2016	73	0.06	225	NS	2nd BSPG Sd
TUSK FEDERAL 4H	COG OPERATING LLC	300254135801	25OB/19S/34E	12/6/2013	157	0.09	142	NS	3rd BSPG Sd
TUSK FEDERAL 5H	COG OPERATING LLC	300254157400	25PA/19S/34E	12/28/2014	156	0.13	183	NS	3rd BSPG Sd
PERLA NEGRA FEDERAL COM 3H	XTO ENERGY INC	300254271000	24OB/19S/34E	11/20/2015	256	0.19	96	NS	3rd BSPG Sd
PERLA NEGRA FEDERAL COM 4H	XTO ENERGY INC	300254257700	24PA/19S/34E	9/19/2015	269	0.18	121	NS	3rd BSPG Sd
SUPER COBRA STATE COM 1H	COG OPERATING LLC	300254198701	13PA/19S/34E	2/1/2015	371	0.24	65	NS	3rd BSPG Sd
AIRCOBRA 12 STATE COM 2H	COG OPERATING LLC	300254003500	12BO/19S/34E	1/19/2011	522	0.38	149	NS	3rd BSPG Sd
AIRCOBRA 12 STATE COM 1H	COG OPERATING LLC	300254087500	12AP/19S/34E	7/13/2013	283	0.2	38	NS	3rd BSPG Sd
AIRSTRIP 6 STATE COM 2H	COG OPERATING LLC	300254039700	6L7M/19S/35E	8/20/2014	312	0.21	76	NS	3rd BSPG Sd
AIRSTRIP FEE COM 1H	COG OPERATING LLC	300254115200	6I7P/19S/35E	8/22/2014	223	0.14	121	NS	3rd BSPG Sd
TOMCAT FEE 1H	COG OPERATING LLC	300254171400	8DM/19S/35E	9/19/2014	111	0.08	55	NS	3rd BSPG Sd
CUATRO HIJOS FEE 4H	COG OPERATING LLC	300254175200	17MD/19S/35E	9/10/2014	91	0.06	101	NS	3rd BSPG Sd
CUATRO HIJOS FEE 3H	COG OPERATING LLC	300254227600	17NC/19S/35E	3/16/2015	98	0.07	90	NS	3rd BSPG Sd

ATTACHMENT

E

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

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

Case No. 21721

SELF-AFFIRMED STATEMENT OF
NATHAN CLESS

1. I am over 18 years of age and am competent to provide this Self-Affirmed Statement. I have personal knowledge of the matters addressed herein.

2. I am the District Geologist at Mewbourne Oil Company ("Mewbourne"). I am familiar with the geological matters that pertain to Mewbourne's application.

3. I have previously testified before the New Mexico Oil Conservation Division as an expert in geology, and my qualifications were accepted.

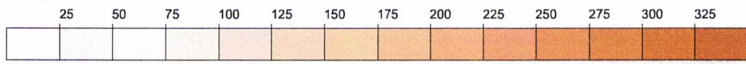
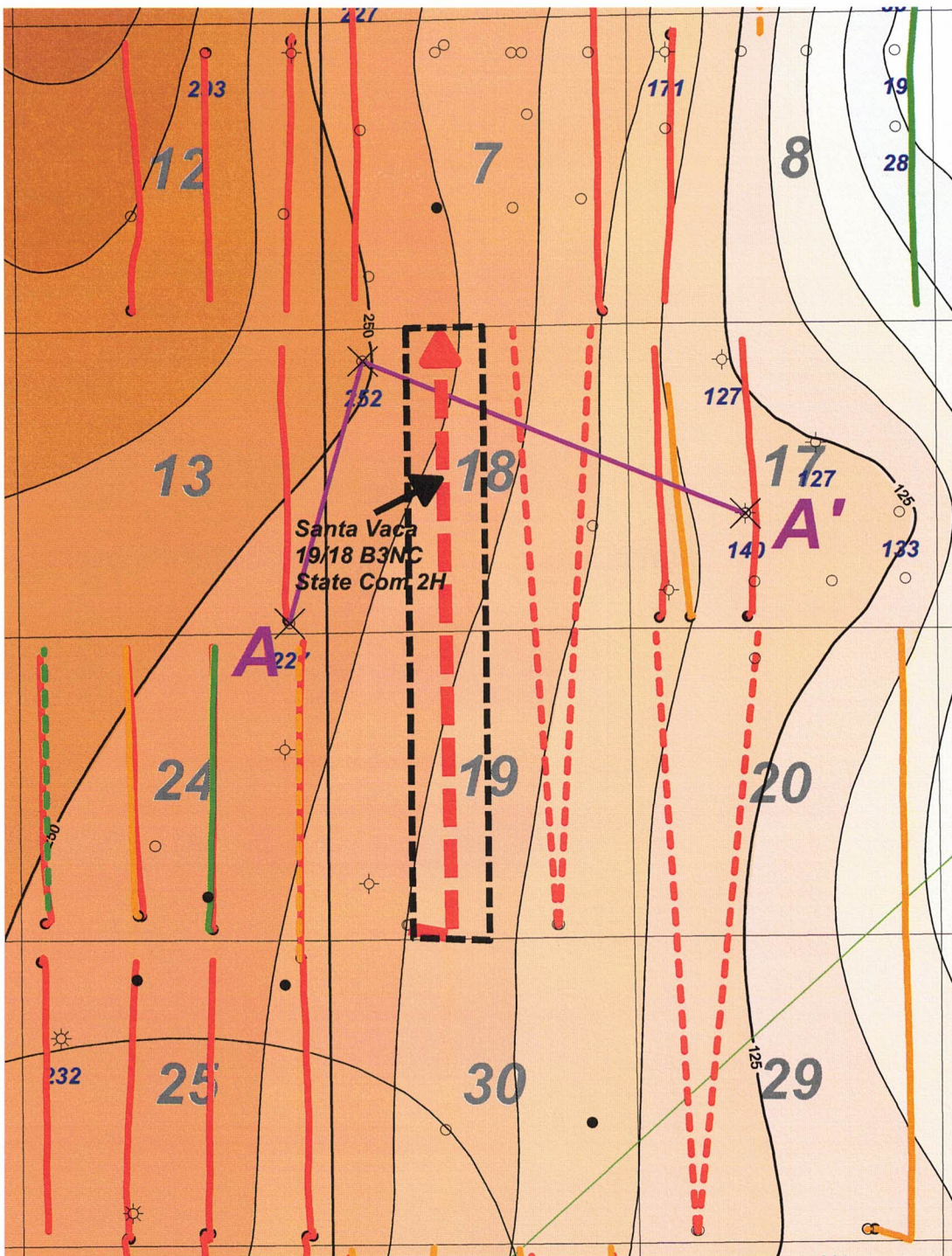
4. A structure map of the top of the Wolfcamp, which is the base of the Bone Spring formation, is attached as ~~Exhibit B-1~~ ^{Attachment A}. The map shows that the structure dips to the south with approximately 200' of elevation change across the HSU. It also shows a line of cross section and the HSU for the proposed Santa Vaca 19/18 B2NC State Com #1H and the Santa Vaca 19/18 B3NC State Com #2H.

5. Attached as ~~Exhibit B-2~~ ^{Attachment B} is a gross sand isopach map of the Third Bone Spring Sand formation, which is the target zone for the proposed Santa Vaca 19/18 B3NC State Com #2H. It shows that the sand across the HSU has an approximate thickness of 175-225'.

EXHIBIT

3.B

- Attachment C*
6. Attached as ~~Exhibit B-3~~ is a gross sand isopach map of the Second Bone Spring Sand formation, which is the target zone for the proposed Santa Vaca 19/18 B2NC State Com #1H. It shows that the sand across the HSU has an approximate thickness of 425-500'.
- Attachment D*
7. Attached as ~~Exhibit B-4~~ is a west to east cross section. The well logs on the cross section provide a representative sample of the Second and Third Bone Spring Sand formations in the area. The target zone for the proposed wells is continuous across the HSU.
- Attachment E*
8. Attached as ~~Exhibit B-5~~ is a table containing production data from Second and Third Bone Spring Sand wells drilled in the vicinity. The preference is for standup wells (north to south or south to north), and the completed wells in the area apparently are commercial.
- Attachment F*
9. ~~Exhibit B-6~~ includes Well Planning Reports for the proposed wells. The report contains a plot and lateral trajectory schematics of the planned wellbore. The well's producing interval will be orthodox.
10. There are no depth severances in the Bone Spring formation in the proposed HSU.
11. Based on the information discussed above, I am able to conclude that:
- a) The HSU is justified from a geologic standpoint;
 - b) There is no faulting or other geologic impediment that could adversely affect the drilling of the proposed wells; and
 - c) Each quarter-quarter section in the HSU will contribute more or less equally to production.
12. In my opinion, the granting of Mewbourne's application will serve the interests of conservation and the prevention of waste.
13. Exhibits B-1 through B-6 were either prepared by me or compiled from company records.



Wells deeper than 7000'

TD

3rd BSPG Sd gross thickness (ft)

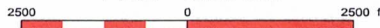
BSPG Horizontal Color Code

- 1st BSPG Sd Well
- 2nd BSPG Sd Well
- 3rd BSPG Sd Well

Drilled Well
 Permit

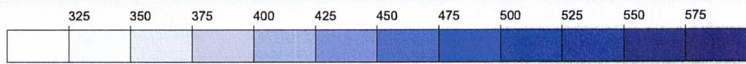
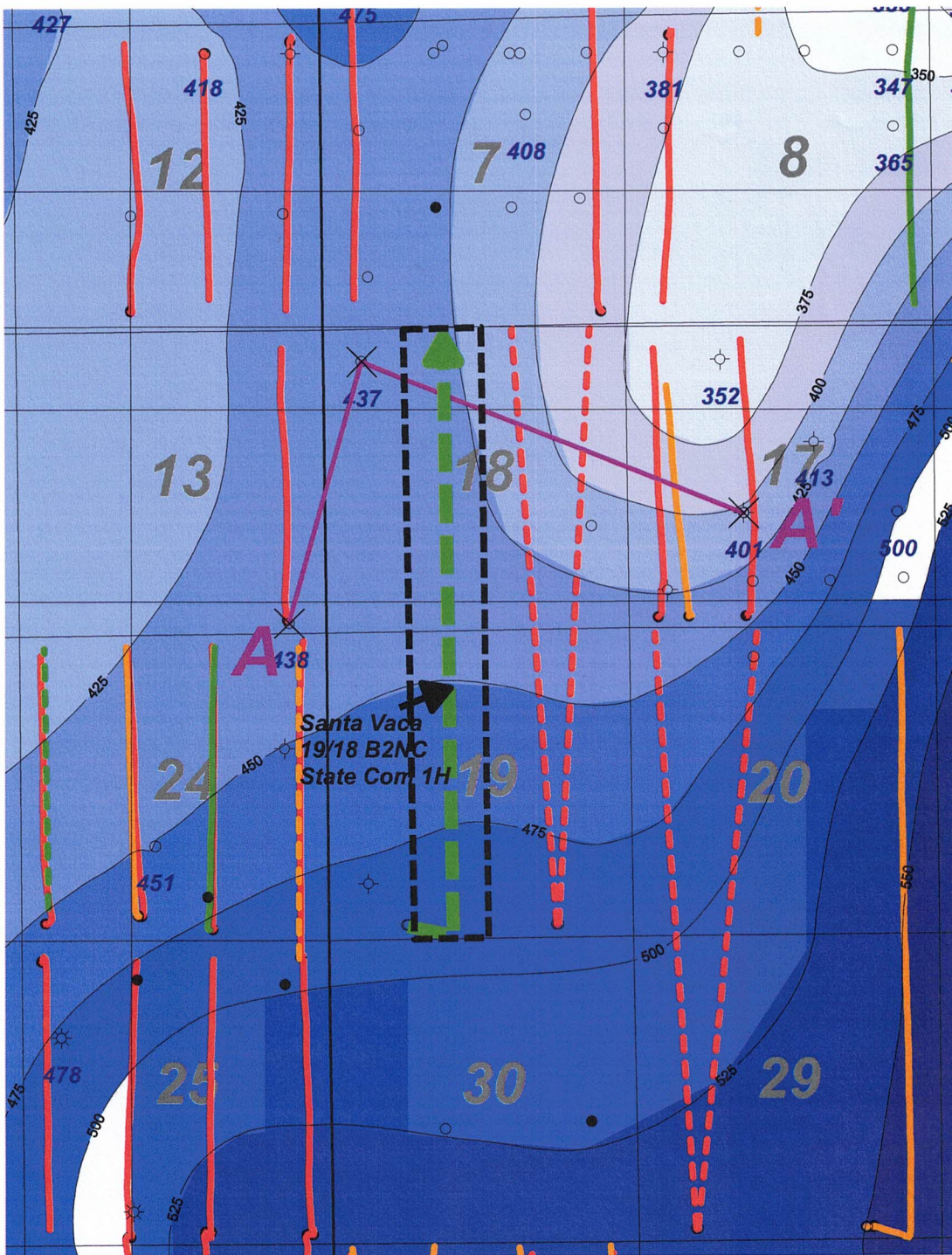
3rd BSPG Gross Sand Thickness (ft)

1 inch = 2200 feet



MOC Mewbourne Oil Company		
Santa Vaca 19/18 B3NC State Com #2H		
3rd BSPG Sand Gross Thickness Isopach Map		
C.I. = 25'		
19S/35E	Lea County	New Mexico
3/8/2021	Scale: 1" = 2200'	

ATTACHMENT B



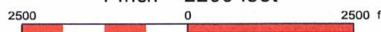
Wells deeper than 7000'

TD

2nd BSPG Sd gross thickness (ft)

2nd BSPG Gross Sand Thickness (ft)

1 inch = 2200 feet



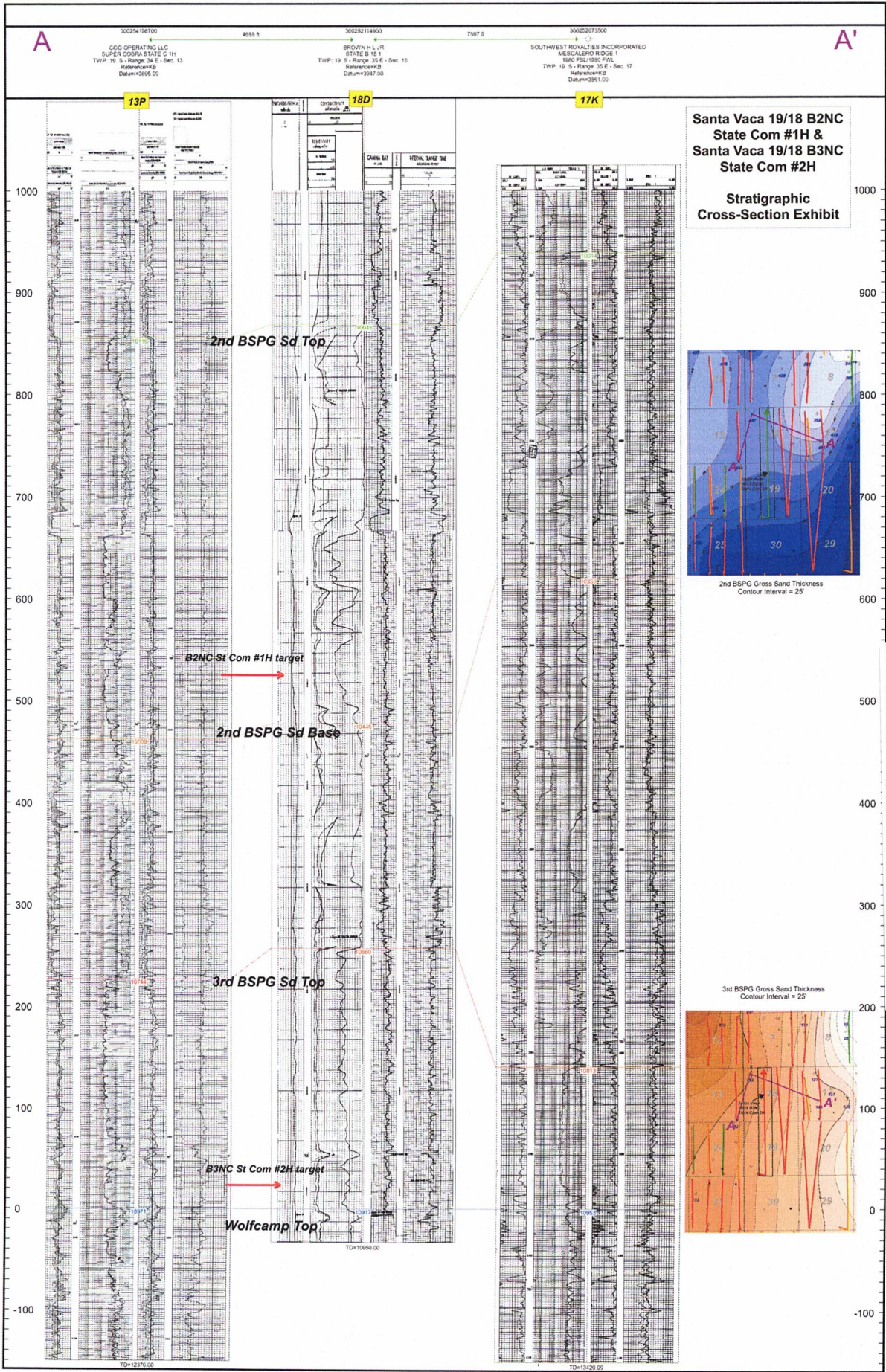
BSPG Horizontal Color Code

- 1st BSPG Sd Well
- 2nd BSPG Sd Well
- 3rd BSPG Sd Well

- Drilled Well
- Permit

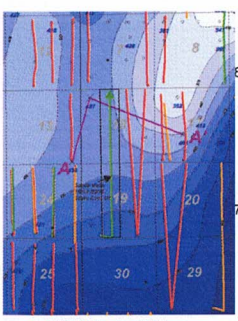
MOC Mewbourne Oil Company		
Santa Vaca 19/18 B2NC State Com #1H 2nd BSPG Sand Gross Thickness Isopach Map C.I. = 25'		
19S/35E	Lea County	New Mexico
3/8/21	Scale: 1" = 2200'	

ATTACHMENT C

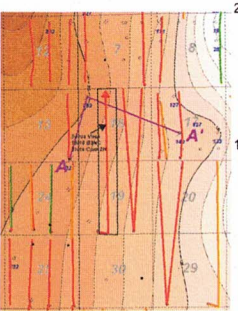


**Santa Vaca 19/18 B2NC
State Com #1H &
Santa Vaca 19/18 B3NC
State Com #2H**

**Stratigraphic
Cross-Section Exhibit**



2nd BSPG Gross Sand Thickness
Contour Interval = 25'



3rd BSPG Gross Sand Thickness
Contour Interval = 25'

ATTACHMENT D

Santa Vaca 2nd & 3rd Bone Spring Sand Horizontal Production Data Table

Well Name	Operator	API	Location	Comp Date	Cum Oil (MBO)	Cum Gas (BCF)	Cum Water (MBW)	NS/EW	HZ Target
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HIBISCUS 08 19 35 RN STATE COM 124H	MATADOR PRODUCTION CO	300254250200	8AP/19S/35E	1/9/2016	73	0.06	225	NS	2nd BSPG Sd
TUSK FEDERAL 4H	COG OPERATING LLC	300254135801	25OB/19S/34E	12/6/2013	157	0.09	142	NS	3rd BSPG Sd
TUSK FEDERAL 5H	COG OPERATING LLC	300254157400	25PA/19S/34E	12/28/2014	156	0.13	183	NS	3rd BSPG Sd
PERLA NEGRA FEDERAL COM 3H	XTO ENERGY INC	300254271000	24OB/19S/34E	11/20/2015	256	0.19	96	NS	3rd BSPG Sd
PERLA NEGRA FEDERAL COM 4H	XTO ENERGY INC	300254257700	24PA/19S/34E	9/19/2015	269	0.18	121	NS	3rd BSPG Sd
SUPER COBRA STATE COM 1H	COG OPERATING LLC	300254198701	13PA/19S/34E	2/1/2015	371	0.24	65	NS	3rd BSPG Sd
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AIRCOBRA 12 STATE COM 1H	COG OPERATING LLC	300254087500	12AP/19S/34E	7/13/2013	283	0.2	38	NS	3rd BSPG Sd
AIRSTRIP 6 STATE COM 2H	COG OPERATING LLC	300254039700	6L7M/19S/35E	8/20/2014	312	0.21	76	NS	3rd BSPG Sd
AIRSTRIP FEE COM 1H	COG OPERATING LLC	300254115200	617P/19S/35E	8/22/2014	223	0.14	121	NS	3rd BSPG Sd
TOMCAT FEE 1H	COG OPERATING LLC	300254171400	8DM/19S/35E	9/19/2014	111	0.08	55	NS	3rd BSPG Sd
CUATRO HIJOS FEE 4H	COG OPERATING LLC	300254175200	17MD/19S/35E	9/10/2014	91	0.06	101	NS	3rd BSPG Sd
CUATRO HIJOS FEE 3H	COG OPERATING LLC	300254227600	17NC/19S/35E	3/16/2015	98	0.07	90	NS	3rd BSPG Sd

ATTACHMENT



Mewbourne Oil Company

SURVEY CALCULATION REPORT Minimum Curvature Calculations

Operator: Mewbourne Oil Company
Lease Name: Vaca 19/18 B2NC State Con
KOP 9948.54

SL: 150 FNL & 1400 FWL Sec 6-20S-29E
BHL: 330 FSL & 1400 FWL Sec 6-20S-29E

Target KBTVD: 10,426 Feet 10426.00
Target Angle: 91.02 Degrees 91.02
Section Plane: 2.97 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			#VALUE!
														-Below Target	DRIFT RADIANS	AZIMUTH (RADIANS)	
T/1	9948.54	0.00	2.97	N/A	9948.5	0.0	0.0	0.0	0.0	0.0	N/A	N/A	9948.5	477.5	1E-12	0.05	#VALUE!
1	10024.39	9.10	2.97	75.854	10024.1	6.0	6.0	0.3	6.0	3.0	12.0	12.0	10024.2	401.8	0.15887	0.05	0.1588674
2	10100.24	18.20	2.97	75.854	10097.7	23.9	23.9	1.2	23.9	3.0	12.0	12.0	10098.1	327.9	0.31773	0.05	0.1588674
3	10176.10	27.31	2.97	75.854	10167.6	53.2	53.1	2.8	53.2	3.0	12.0	12.0	10168.5	257.5	0.47666	0.05	0.1588674
4	10251.95	36.41	2.97	75.854	10231.9	93.2	93.1	4.8	93.2	3.0	12.0	12.0	10233.6	192.4	0.63547	0.05	0.1588674
5	10327.80	45.51	2.97	75.854	10289.2	142.9	142.9	7.4	142.9	3.0	12.0	12.0	10291.7	134.3	0.79434	0.05	0.1588674
6	10403.66	54.61	2.97	75.854	10337.8	201.0	200.7	10.4	201.0	3.0	12.0	12.0	10341.4	84.6	0.9532	0.05	0.1588674
7	10479.51	63.72	2.97	75.854	10376.6	266.0	265.7	13.8	266.0	3.0	12.0	12.0	10381.4	44.6	1.11207	0.05	0.1588674
8	10555.36	72.82	2.97	75.854	10404.7	336.4	336.0	17.4	336.4	3.0	12.0	12.0	10410.7	15.3	1.27094	0.05	0.1588674
9	10631.22	81.92	2.97	75.854	10421.3	410.4	409.8	21.2	410.4	3.0	12.0	12.0	10428.6	-2.6	1.42981	0.05	0.1588674
10	10707.07	91.02	2.97	75.854	10425.9	486.0	485.3	25.1	486.0	3.0	12.0	12.0	10434.6	-8.6	1.58867	0.05	0.1588674
11	10800.00	91.02	2.97	92.929	10424.3	578.9	578.1	30.0	578.9	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
12	10900.00	91.02	2.97	100	10422.5	678.9	678.0	35.1	678.9	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
13	11000.00	91.02	2.97	100	10420.7	778.9	777.8	40.3	778.9	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
14	11100.00	91.02	2.97	100	10418.9	878.9	877.7	45.5	878.9	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
15	11200.00	91.02	2.97	100	10417.1	978.9	977.5	50.7	978.9	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
16	11300.00	91.02	2.97	100	10415.3	1078.8	1077.4	55.8	1078.8	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
17	11400.00	91.02	2.97	100	10413.5	1178.8	1177.2	61.0	1178.8	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
18	11500.00	91.02	2.97	100	10411.7	1278.8	1277.1	66.2	1278.8	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
19	11600.00	91.02	2.97	100	10410.0	1378.8	1376.9	71.3	1378.8	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
20	11700.00	91.02	2.97	100	10408.2	1478.8	1476.8	76.5	1478.8	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
21	11800.00	91.02	2.97	100	10406.4	1578.8	1576.6	81.7	1578.8	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
22	11900.00	91.02	2.97	100	10404.6	1678.7	1676.5	86.9	1678.7	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
23	12000.00	91.02	2.97	100	10402.8	1778.7	1776.3	92.0	1778.7	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
24	12100.00	91.02	2.97	100	10401.0	1878.7	1876.2	97.2	1878.7	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
25	12200.00	91.02	2.97	100	10399.2	1978.7	1976.0	102.4	1978.7	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
26	12300.00	91.02	2.97	100	10397.4	2078.7	2075.9	107.6	2078.7	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
27	12400.00	91.02	2.97	100	10395.7	2178.7	2175.7	112.7	2178.7	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
28	12500.00	91.02	2.97	100	10393.9	2278.6	2275.6	117.9	2278.6	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
29	12600.00	91.02	2.97	100	10392.1	2378.6	2375.4	123.1	2378.6	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
30	12700.00	91.02	2.97	100	10390.3	2478.6	2475.3	128.3	2478.6	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
31	12800.00	91.02	2.97	100	10388.5	2578.6	2575.1	133.4	2578.6	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
32	12900.00	91.02	2.97	100	10386.7	2678.6	2675.0	138.6	2678.6	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
33	13000.00	91.02	2.97	100	10384.9	2778.6	2774.8	143.8	2778.6	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
34	13100.00	91.02	2.97	100	10383.1	2878.5	2874.7	149.0	2878.5	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
35	13200.00	91.02	2.97	100	10381.4	2978.5	2974.5	154.1	2978.5	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
36	13300.00	91.02	2.97	100	10379.6	3078.5	3074.4	159.3	3078.5	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
37	13400.00	91.02	2.97	100	10377.8	3178.5	3174.2	164.5	3178.5	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
38	13500.00	91.02	2.97	100	10376.0	3278.5	3274.1	169.7	3278.5	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
39	13600.00	91.02	2.97	100	10374.2	3378.5	3373.9	174.8	3378.5	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
40	13700.00	91.02	2.97	100	10372.4	3478.5	3473.8	180.0	3478.5	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
41	13800.00	91.02	2.97	100	10370.6	3578.4	3573.6	185.2	3578.4	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
42	13900.00	91.02	2.97	100	10368.8	3678.4	3673.5	190.4	3678.4	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
43	14000.00	91.02	2.97	100	10367.1	3778.4	3773.3	195.5	3778.4	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
44	14100.00	91.02	2.97	100	10365.3	3878.4	3873.2	200.7	3878.4	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
45	14200.00	91.02	2.97	100	10363.5	3978.4	3973.0	205.9	3978.4	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
46	14300.00	91.02	2.97	100	10361.7	4078.4	4072.9	211.0	4078.4	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
47	14400.00	91.02	2.97	100	10359.9	4178.3	4172.7	216.2	4178.3	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
48	14500.00	91.02	2.97	100	10358.1	4278.3	4272.6	221.4	4278.3	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
49	14600.00	91.02	2.97	100	10356.3	4378.3	4372.4	226.6	4378.3	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
50	14700.00	91.02	2.97	100	10354.5	4478.3	4472.3	231.7	4478.3	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
51	14800.00	91.02	2.97	100	10352.8	4578.3	4572.1	236.9	4578.3	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
52	14900.00	91.02	2.97	100	10351.0	4678.3	4672.0	242.1	4678.3	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
53	15000.00	91.02	2.97	100	10349.2	4778.2	4771.8	247.3	4778.2	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
54	15100.00	91.02	2.97	100	10347.4	4878.2	4871.7	252.4	4878.2	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
55	15200.00	91.02	2.97	100	10345.6	4978.2	4971.5	257.6	4978.2	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
56	15300.00	91.02	2.97	100	10343.8	5078.2	5071.4	262.8	5078.2	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10

ATTACHMENT **F**

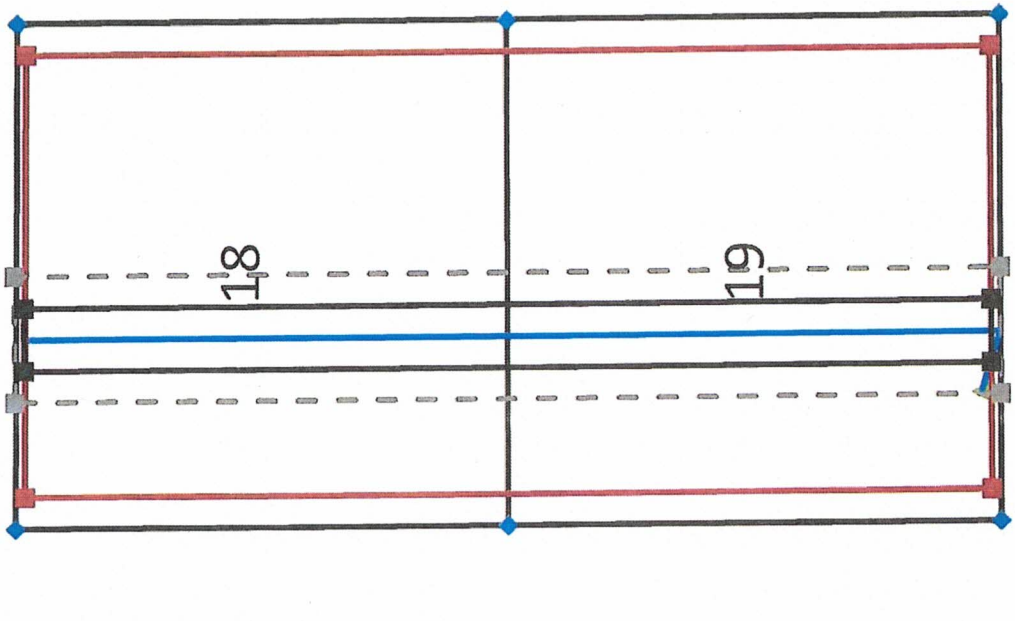
57	15400.00	91.02	2.97	100	10342.0	5178.2	5171.2	268.0	5178.2	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
58	15500.00	91.02	2.97	100	10340.2	5278.2	5271.1	273.1	5278.2	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
59	15600.00	91.02	2.97	100	10338.5	5378.1	5370.9	278.3	5378.1	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
60	15700.00	91.02	2.97	100	10336.7	5478.1	5470.8	283.5	5478.1	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
61	15800.00	91.02	2.97	100	10334.9	5578.1	5570.6	288.7	5578.1	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
62	15900.00	91.02	2.97	100	10333.1	5678.1	5670.5	293.8	5678.1	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
63	16000.00	91.02	2.97	100	10331.3	5778.1	5770.3	299.0	5778.1	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
64	16100.00	91.02	2.97	100	10329.5	5878.1	5870.2	304.2	5878.1	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
65	16200.00	91.02	2.97	100	10327.7	5978.1	5970.0	309.4	5978.1	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
66	16300.00	91.02	2.97	100	10325.9	6078.0	6069.9	314.5	6078.0	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
67	16400.00	91.02	2.97	100	10324.2	6178.0	6169.7	319.7	6178.0	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
68	16500.00	91.02	2.97	100	10322.4	6278.0	6269.6	324.9	6278.0	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
69	16600.00	91.02	2.97	100	10320.6	6378.0	6369.4	330.0	6378.0	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
70	16700.00	91.02	2.97	100	10318.8	6478.0	6469.3	335.2	6478.0	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
71	16800.00	91.02	2.97	100	10317.0	6578.0	6569.1	340.4	6578.0	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
72	16900.00	91.02	2.97	100	10315.2	6677.9	6669.0	345.6	6677.9	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
73	17000.00	91.02	2.97	100	10313.4	6777.9	6768.8	350.7	6777.9	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
74	17100.00	91.02	2.97	100	10311.6	6877.9	6868.7	355.9	6877.9	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
75	17200.00	91.02	2.97	100	10309.8	6977.9	6968.5	361.1	6977.9	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
76	17300.00	91.02	2.97	100	10308.1	7077.9	7068.4	366.3	7077.9	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
77	17400.00	91.02	2.97	100	10306.3	7177.9	7168.2	371.4	7177.9	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
78	17500.00	91.02	2.97	100	10304.5	7277.8	7268.1	376.6	7277.8	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
79	17600.00	91.02	2.97	100	10302.7	7377.8	7367.9	381.8	7377.8	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
80	17700.00	91.02	2.97	100	10300.9	7477.8	7467.8	387.0	7477.8	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
81	17800.00	91.02	2.97	100	10299.1	7577.8	7567.6	392.1	7577.8	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
82	17900.00	91.02	2.97	100	10297.3	7677.8	7667.5	397.3	7677.8	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
83	18000.00	91.02	2.97	100	10295.5	7777.8	7767.3	402.5	7777.8	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
84	18100.00	91.02	2.97	100	10293.8	7877.7	7867.2	407.7	7877.7	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
85	18200.00	91.02	2.97	100	10292.0	7977.7	7967.0	412.8	7977.7	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
86	18300.00	91.02	2.97	100	10290.2	8077.7	8066.9	418.0	8077.7	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
87	18400.00	91.02	2.97	100	10288.4	8177.7	8166.7	423.2	8177.7	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
88	18500.00	91.02	2.97	100	10286.6	8277.7	8266.6	428.4	8277.7	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
89	18600.00	91.02	2.97	100	10284.8	8377.7	8366.4	433.5	8377.7	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
90	18700.00	91.02	2.97	100	10283.0	8477.7	8466.3	438.7	8477.7	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
91	18800.00	91.02	2.97	100	10281.2	8577.6	8566.1	443.9	8577.6	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
92	18900.00	91.02	2.97	100	10279.5	8677.6	8666.0	449.0	8677.6	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
93	19000.00	91.02	2.97	100	10277.7	8777.6	8765.8	454.2	8777.6	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
94	19100.00	91.02	2.97	100	10275.9	8877.6	8865.7	459.4	8877.6	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
95	19200.00	91.02	2.97	100	10274.1	8977.6	8965.5	464.6	8977.6	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
96	19300.00	91.02	2.97	100	10272.3	9077.6	9065.4	469.7	9077.6	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
97	19400.00	91.02	2.97	100	10270.5	9177.5	9165.2	474.9	9177.5	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
98	19500.00	91.02	2.97	100	10268.7	9277.5	9265.1	480.1	9277.5	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
99	19600.00	91.02	2.97	100	10266.9	9377.5	9364.9	485.3	9377.5	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
100	19700.00	91.02	2.97	100	10265.2	9477.5	9464.8	490.4	9477.5	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
101	19800.00	91.02	2.97	100	10263.4	9577.5	9564.6	495.6	9577.5	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
102	19900.00	91.02	2.97	100	10261.6	9677.5	9664.5	500.8	9677.5	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
103	20000.00	91.02	2.97	100	10259.8	9777.4	9764.3	506.0	9777.4	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
104	20100.00	91.02	2.97	100	10258.0	9877.4	9864.2	511.1	9877.4	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
105	20200.00	91.02	2.97	100	10256.2	9977.4	9964.0	516.3	9977.4	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
106	20300.00	91.02	2.97	100	10254.4	10077.4	10063.9	521.5	10077.4	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
107	20400.00	91.02	2.97	100	10252.6	10177.4	10163.7	526.7	10177.4	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10
108	20486.02	91.02	2.97	86.024	10251.1	10263.4	10249.6	531.1	10263.4	3.0	0.0	0.0	10434.6	-8.6	1.58867	0.05	1E-10

BHL 100 FNL & 1980 FWL
796174.10, 607716.30

801445.70, 607704.40

Santa Vaca 19/18 B2NC State Com #1H 205 FSL & 1440 FWL Sec 19-19S-35E, Lea Co, NM

- Section Corners
- Section Divider
- Hereford 29/20 W108 Fed Com #1H
- Proposed Plan
- Actual Surveys
- Calculated Hardline Corners
- Proration Unit
- Proration Hardlines



796260.50, 597100.90

801539.80, 597136.90

Field: Scharb; Bone Spring (55610)
Spacing: 320 acres (160/section)
Setbacks: 330' from East and West,
100' from North and South

Mewbourne Oil Company

SURVEY CALCULATION REPORT Minimum Curvature Calculations

Operator: Mewbourne Oil Company
 Lease Name: Vaca 19/18 B3NC State Con
 KOP 10473.54
 SL: 150 FNL & 1400 FWL Sec 6-20S-29E
 BHL: 330 FSL & 1400 FWL Sec 6-20S-29E

Target KBTVD: 10,951 Feet 10951.00
 Target Angle: 91.11 Degrees 91.11
 Section Plane: 3.13 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		AZIMUTH (RADIAN)	
														-Below Target	DRIFT (RADIAN)		
T/1	10473.54	0.00	3.13	N/A	10473.5	0.0	0.0	0.0	0.0	0.0	N/A	N/A	10473.5	477.5	1E-12	0.05	#VALUE!
1	10549.46	9.11	3.13	75.927	10549.1	6.0	6.0	0.3	6.0	3.1	12.0	12.0	10549.3	401.7	0.15902	0.05	0.1590202
2	10625.39	18.22	3.13	75.927	10622.8	23.9	23.9	1.3	23.9	3.1	12.0	12.0	10623.3	327.7	0.31804	0.05	0.1590202
3	10701.31	27.33	3.13	75.927	10692.8	53.3	53.2	2.9	53.3	3.1	12.0	12.0	10693.8	257.2	0.47706	0.05	0.1590202
4	10777.24	36.44	3.13	75.927	10757.2	93.4	93.2	5.1	93.4	3.1	12.0	12.0	10759.0	192.0	0.63608	0.05	0.1590202
5	10853.17	45.56	3.13	75.927	10814.4	143.1	142.9	7.8	143.1	3.1	12.0	12.0	10817.2	133.8	0.7951	0.05	0.1590202
6	10929.09	54.67	3.13	75.927	10863.1	201.3	201.0	11.0	201.3	3.1	12.0	12.0	10867.0	84.0	0.95412	0.05	0.1590202
7	11005.02	63.78	3.13	75.927	10901.9	266.5	266.1	14.6	266.5	3.1	12.0	12.0	10907.0	44.0	1.11314	0.05	0.1590202
8	11080.95	72.89	3.13	75.927	10929.9	337.0	336.5	18.4	337.0	3.1	12.0	12.0	10936.4	14.6	1.27216	0.05	0.1590202
9	11156.87	82.00	3.13	75.927	10946.4	411.0	410.4	22.5	411.0	3.1	12.0	12.0	10954.3	-3.3	1.43118	0.05	0.1590202
10	11232.80	91.11	3.13	75.927	10950.9	486.7	486.0	26.6	486.7	3.1	12.0	12.0	10960.4	-9.4	1.5902	0.05	0.1590202
11	11300.00	91.11	3.13	67.199	10949.6	553.9	553.1	30.3	553.9	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
12	11400.00	91.11	3.13	100	10947.7	653.9	652.9	35.8	653.9	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
13	11500.00	91.11	3.13	100	10945.7	753.9	752.8	41.2	753.9	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
14	11600.00	91.11	3.13	100	10943.8	853.9	852.6	46.7	853.9	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
15	11700.00	91.11	3.13	100	10941.8	953.8	952.4	52.2	953.8	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
16	11800.00	91.11	3.13	100	10939.9	1053.8	1052.2	57.6	1053.8	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
17	11900.00	91.11	3.13	100	10938.0	1153.8	1152.1	63.1	1153.8	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
18	12000.00	91.11	3.13	100	10936.0	1253.8	1251.9	68.6	1253.8	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
19	12100.00	91.11	3.13	100	10934.1	1353.8	1351.7	74.0	1353.8	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
20	12200.00	91.11	3.13	100	10932.1	1453.7	1451.6	79.5	1453.7	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
21	12300.00	91.11	3.13	100	10930.2	1553.7	1551.4	85.0	1553.7	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
22	12400.00	91.11	3.13	100	10928.3	1653.7	1651.2	90.4	1653.7	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
23	12500.00	91.11	3.13	100	10926.3	1753.7	1751.1	95.9	1753.7	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
24	12600.00	91.11	3.13	100	10924.4	1853.7	1850.9	101.4	1853.7	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
25	12700.00	91.11	3.13	100	10922.4	1953.7	1950.7	106.8	1953.7	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
26	12800.00	91.11	3.13	100	10920.5	2053.6	2050.6	112.3	2053.6	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
27	12900.00	91.11	3.13	100	10918.6	2153.6	2150.4	117.7	2153.6	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
28	13000.00	91.11	3.13	100	10916.6	2253.6	2250.2	123.2	2253.6	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
29	13100.00	91.11	3.13	100	10914.7	2353.6	2350.1	128.7	2353.6	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
30	13200.00	91.11	3.13	100	10912.7	2453.6	2449.9	134.1	2453.6	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
31	13300.00	91.11	3.13	100	10910.8	2553.5	2549.7	139.6	2553.5	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
32	13400.00	91.11	3.13	100	10908.9	2653.5	2649.6	145.1	2653.5	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
33	13500.00	91.11	3.13	100	10906.9	2753.5	2749.4	150.5	2753.5	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
34	13600.00	91.11	3.13	100	10905.0	2853.5	2849.2	156.0	2853.5	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
35	13700.00	91.11	3.13	100	10903.0	2953.5	2949.0	161.5	2953.5	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
36	13800.00	91.11	3.13	100	10901.1	3053.4	3048.9	166.9	3053.4	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
37	13900.00	91.11	3.13	100	10899.2	3153.4	3148.7	172.4	3153.4	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
38	14000.00	91.11	3.13	100	10897.2	3253.4	3248.5	177.9	3253.4	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
39	14100.00	91.11	3.13	100	10895.3	3353.4	3348.4	183.3	3353.4	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
40	14200.00	91.11	3.13	100	10893.3	3453.4	3448.2	188.8	3453.4	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
41	14300.00	91.11	3.13	100	10891.4	3553.4	3548.0	194.3	3553.4	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
42	14400.00	91.11	3.13	100	10889.5	3653.3	3647.9	199.7	3653.3	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
43	14500.00	91.11	3.13	100	10887.5	3753.3	3747.7	205.2	3753.3	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
44	14600.00	91.11	3.13	100	10885.6	3853.3	3847.5	210.7	3853.3	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
45	14700.00	91.11	3.13	100	10883.6	3953.3	3947.4	216.1	3953.3	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
46	14800.00	91.11	3.13	100	10881.7	4053.3	4047.2	221.6	4053.3	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
47	14900.00	91.11	3.13	100	10879.7	4153.2	4147.0	227.1	4153.2	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
48	15000.00	91.11	3.13	100	10877.8	4253.2	4246.9	232.5	4253.2	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
49	15100.00	91.11	3.13	100	10875.9	4353.2	4346.7	238.0	4353.2	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
50	15200.00	91.11	3.13	100	10873.9	4453.2	4446.5	243.5	4453.2	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
51	15300.00	91.11	3.13	100	10872.0	4553.2	4546.4	248.9	4553.2	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
52	15400.00	91.11	3.13	100	10870.0	4653.1	4646.2	254.4	4653.1	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
53	15500.00	91.11	3.13	100	10868.1	4753.1	4746.0	259.9	4753.1	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
54	15600.00	91.11	3.13	100	10866.2	4853.1	4845.8	265.3	4853.1	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
55	15700.00	91.11	3.13	100	10864.2	4953.1	4945.7	270.8	4953.1	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
56	15800.00	91.11	3.13	100	10862.3	5053.1	5045.5	276.3	5053.1	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10

57	15900.00	91.11	3.13	100	10860.3	5153.1	5145.3	281.7	5153.1	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
58	16000.00	91.11	3.13	100	10858.4	5253.0	5245.2	287.2	5253.0	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
59	16100.00	91.11	3.13	100	10856.5	5353.0	5345.0	292.7	5353.0	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
60	16200.00	91.11	3.13	100	10854.5	5453.0	5444.8	298.1	5453.0	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
61	16300.00	91.11	3.13	100	10852.6	5553.0	5544.7	303.6	5553.0	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
62	16400.00	91.11	3.13	100	10850.6	5653.0	5644.5	309.1	5653.0	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
63	16500.00	91.11	3.13	100	10848.7	5752.9	5744.3	314.5	5752.9	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
64	16600.00	91.11	3.13	100	10846.8	5852.9	5844.2	320.0	5852.9	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
65	16700.00	91.11	3.13	100	10844.8	5952.9	5944.0	325.5	5952.9	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
66	16800.00	91.11	3.13	100	10842.9	6052.9	6043.8	330.9	6052.9	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
67	16900.00	91.11	3.13	100	10840.9	6152.9	6143.7	336.4	6152.9	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
68	17000.00	91.11	3.13	100	10839.0	6252.8	6243.5	341.9	6252.8	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
69	17100.00	91.11	3.13	100	10837.1	6352.8	6343.3	347.3	6352.8	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
70	17200.00	91.11	3.13	100	10835.1	6452.8	6443.2	352.8	6452.8	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
71	17300.00	91.11	3.13	100	10833.2	6552.8	6543.0	358.3	6552.8	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
72	17400.00	91.11	3.13	100	10831.2	6652.8	6642.8	363.7	6652.8	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
73	17500.00	91.11	3.13	100	10829.3	6752.7	6742.6	369.2	6752.7	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
74	17600.00	91.11	3.13	100	10827.4	6852.7	6842.5	374.7	6852.7	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
75	17700.00	91.11	3.13	100	10825.4	6952.7	6942.3	380.1	6952.7	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
76	17800.00	91.11	3.13	100	10823.5	7052.7	7042.1	385.6	7052.7	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
77	17900.00	91.11	3.13	100	10821.5	7152.7	7142.0	391.1	7152.7	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
78	18000.00	91.11	3.13	100	10819.6	7252.7	7241.8	396.5	7252.7	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
79	18100.00	91.11	3.13	100	10817.7	7352.6	7341.6	402.0	7352.6	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
80	18200.00	91.11	3.13	100	10815.7	7452.6	7441.5	407.5	7452.6	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
81	18300.00	91.11	3.13	100	10813.8	7552.6	7541.3	412.9	7552.6	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
82	18400.00	91.11	3.13	100	10811.8	7652.6	7641.1	418.4	7652.6	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
83	18500.00	91.11	3.13	100	10809.9	7752.6	7741.0	423.9	7752.6	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
84	18600.00	91.11	3.13	100	10808.0	7852.5	7840.8	429.3	7852.5	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
85	18700.00	91.11	3.13	100	10806.0	7952.5	7940.6	434.8	7952.5	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
86	18800.00	91.11	3.13	100	10804.1	8052.5	8040.5	440.3	8052.5	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
87	18900.00	91.11	3.13	100	10802.1	8152.5	8140.3	445.7	8152.5	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
88	19000.00	91.11	3.13	100	10800.2	8252.5	8240.1	451.2	8252.5	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
89	19100.00	91.11	3.13	100	10798.2	8352.4	8340.0	456.7	8352.4	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
90	19200.00	91.11	3.13	100	10796.3	8452.4	8439.8	462.1	8452.4	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
91	19300.00	91.11	3.13	100	10794.4	8552.4	8539.6	467.6	8552.4	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
92	19400.00	91.11	3.13	100	10792.4	8652.4	8639.4	473.1	8652.4	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
93	19500.00	91.11	3.13	100	10790.5	8752.4	8739.3	478.5	8752.4	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
94	19600.00	91.11	3.13	100	10788.5	8852.4	8839.1	484.0	8852.4	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
95	19700.00	91.11	3.13	100	10786.6	8952.3	8938.9	489.5	8952.3	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
96	19800.00	91.11	3.13	100	10784.7	9052.3	9038.8	494.9	9052.3	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
97	19900.00	91.11	3.13	100	10782.7	9152.3	9138.6	500.4	9152.3	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
98	20000.00	91.11	3.13	100	10780.8	9252.3	9238.4	505.9	9252.3	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
99	20100.00	91.11	3.13	100	10778.8	9352.3	9338.3	511.3	9352.3	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
100	20200.00	91.11	3.13	100	10776.9	9452.2	9438.1	516.8	9452.2	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
101	20300.00	91.11	3.13	100	10775.0	9552.2	9537.9	522.3	9552.2	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
102	20400.00	91.11	3.13	100	10773.0	9652.2	9637.8	527.7	9652.2	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
103	20500.00	91.11	3.13	100	10771.1	9752.2	9737.6	533.2	9752.2	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
104	20600.00	91.11	3.13	100	10769.1	9852.2	9837.4	538.7	9852.2	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
105	20700.00	91.11	3.13	100	10767.2	9952.1	9937.3	544.1	9952.1	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
106	20800.00	91.11	3.13	100	10765.3	10052.1	10037.1	549.6	10052.1	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
107	20900.00	91.11	3.13	100	10763.3	10152.1	10136.9	555.1	10152.1	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
108	21000.00	91.11	3.13	100	10761.4	10252.1	10236.8	560.5	10252.1	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10
109	21013.03	91.11	3.13	13.028	10761.1	10265.1	10249.8	561.2	10265.1	3.1	0.0	0.0	10960.4	-9.4	1.5902	0.05	1E-10

BHL 100 FNL & 1980 FWL

796174.10, 607716.30

801445.70, 607704.40

Santa Vaca 19/18 B3NC State Com #2H 205 FSL & 1410 FWL Sec 19-19S-35E, Lea Co, NM

18

19

796260.50, 597100.90

801539.80, 597136.90

- Section Corners
- Section Divider
- Hereford 29/20 W10B Fed Com #1H
- Proposed Plan
- Actual Surveys
- Calculated Hardline Corners
- Proration Unit
- Proration Hardlines

Field: Scharb; Bone Spring (55610)
 Spacing: 320 acres (160/section)
 Setbacks: 330' from East and West,
 100' from North and South

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

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

Case Nos. 21403 & 21721

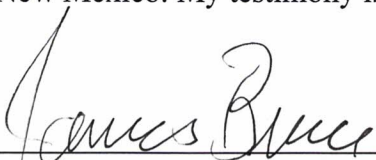
SELF-AFFIRMED STATEMENT OF NOTICE

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

James Bruce deposes and states:

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

Date: 3/16/21



James Bruce

EXHIBIT A

JAMES BRUCE
ATTORNEY AT LAW

POST OFFICE BOX 1056
SANTA FE, NEW MEXICO 87504

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

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

jamesbruc@aol.com

February 24, 2021

To: Persons on Exhibit A

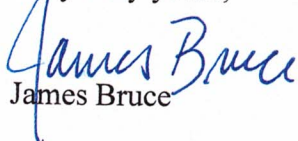
Ladies and gentlemen:

Enclosed are copies of two applications for compulsory pooling, filed with the New Mexico Oil Conservation Division by Mewbourne Oil Company, regarding Bone Spring wells in (i) the W/2W2 of Section 19 and the W/2W/2 of Section 18 (Case No. 21403), and (ii) the E/2W/2 of Section 19 and the E/2E/W of Section 18 (Case No. 21721), all in Township 19 South, Range 35 East, NMPM, Lea County, New Mexico.

These matters are scheduled for hearing at 8:15 a.m. on Thursday, March 18, 2021. During the COVID-19 Public Health Emergency, state buildings are closed to the public and the hearing will be conducted remotely. To determine the location of the hearing or to participate in an electronic hearing, go to emnrd.state.nm.us/OCD/hearings or see the instructions posted on the Division's website, <http://emnrd.state.nm.us/OCD/announcements.html>. You are not required to attend this hearing, but as an owner of an interest who may be affected by the applications, you may appear and present testimony. Failure to appear at that time and become a party of record will preclude you from contesting these matters at a later date.

A party appearing in a Division case is required by Division Rules to file a Pre-Hearing Statement no later than Thursday, March 11, 2021. This statement may be filed online with the Division at ocd.hearings@state.nm.us, and should include: The name of the party and his or her attorney; a concise statement of the case; the name(s) of the witness(es) the party will call to testify at the hearing; the approximate time the party will need to present his or her case; and identification of any procedural matters that need to be resolved prior to the hearing. The Pre-Hearing Statement must also be provided to the undersigned.

Very truly yours,


James Bruce

Attorney for Mewbourne Oil Company

EXHIBIT A

- Yates Energy Corporation
400 N. Pennsylvania Ave.
Roswell, NM 88201
Attn: Land Manager
- Hutchings Oil Company
40 First Plaza Center NW, Ste. 610
Albuquerque, NM 87102
Attn: Land Manager
- Seven Rivers, Inc.
P.O. Box 1598
Carlsbad, NM 88220-1598
Attn: Land Manager
- Yates-US Inc.
P.O. Box 2323
Roswell, New Mexico 88202-2323
Attn: Land Manager
- James H. Bond
4208 Beechwood Lane
Dallas, TX 75220-1908
- Scott Brothers Trust
HC 64 P.O. Box 2012
Castle Valley, UT 84532
Attn: Land Department
- Grande Drilling Corporation
P.O. Box 219
Ruidoso, NM 88355-0219
Attn: Land Manager

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

Attention: Permitting Team

Occidental Permian Limited Partnership
P.O. Box 4294
Houston, TX 77210-4294

Attention: Clay Carroll

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Adult Signature Restricted Delivery \$ _____

Postage \$ _____

Total Postage and Fees \$ _____

Sent To Grande Drilling Corporation
P.O. Box 219
Ruidoso, NM 88355-0219

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

City, State, ZIP+4® _____

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

Postmark
Here

269T 287 1692
1387 1692
0000 1387 1692
0490 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: Yates Energy Corporation
400 N. Pennsylvania Ave.
Roswell, NM 88201

2. Article Addressed to: 7020 0640 0000 1387 1760 M SV-2 Domestic Return Receipt

3. Service Type

Priority Mail Express®

Registered Mail™

Adult Signature Restricted Delivery

Certified Mail®

Collect on Delivery

Collect on Delivery Restricted Delivery

Signature Confirmation™

Signature Confirmation Restricted Delivery

9590 9402 5941 0062 9291 42

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

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

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

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 Yates Energy Corporation
400 N. Pennsylvania Ave.
Roswell, NM 88201

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

City, State, ZIP+4® _____

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

Postmark
Here

092T 287 0000 0490 0202

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:

Grande Drilling Corporation
P.O. Box 219
Ruidoso, NM 88355-0219



9590 9402 5941 0062 9292 03

2. Article Addressed to: 7020 0640 0000 1387 1692 M SV-2 Domestic Return Receipt

COMPLETE THIS SECTION ON DELIVERY

A. Signature Agent Addressee

B. Received by (Printed Name) Yates Energy C. Date of Delivery 2/20/2017

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

3. Service Type

Priority Mail Express®

Registered Mail™

Adult Signature Restricted Delivery

Certified Mail®

Return Receipt for Merchandise

Collect on Delivery

Signature Confirmation™

Signature Confirmation Restricted Delivery

Insured Mail _____

lected Delivery _____

Domestic Return Receipt

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

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

OFFICIAL USE

Certified Mail Fee \$ _____

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

Return Receipt (hardcopy) \$ _____

Return Receipt (electronic) \$ _____

Certified Mail Restricted Delivery \$ _____

Adult Signature Required \$ _____

Adult Signature Restricted Delivery \$ _____

Postage \$ _____

Total Postage and Fees \$ _____

Sent To Scott Brothers Trust
HC 64 P.O. Box 2012
Castle Valley, UT 84532

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

City, State, ZIP+4® _____

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

7527 2827 0000 0490 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.

Hutchings Oil Company
40 First Plaza Center N.W., Ste. 610
Albuquerque, NM 87102

2. Article # 7020 0640 0000 1387 1753

3. Service Type

Adult Signature

Adult Signature Restricted Delivery

Certified Mail®

Certified Mail Restricted Delivery

Collect on Delivery

Collect on Delivery Restricted Delivery

Registered Mail™

Registered Mail Restricted Delivery

Return Receipt for Merchandise

Signature Confirmation™

Signature Confirmation Restricted Delivery

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

COMPLETE THIS SECTION ON DELIVERY

A. Signature James Widmer

Agent

Addressee

B. Received by (Printed Name) James Widmer

C. Date of Delivery 2-26-21

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

If YES, enter delivery address below:

Postmark Here

3. Service Type

Priority Mail Express®

Registered Mail™

Registered Mail Restricted Delivery

Adult Signature Restricted Delivery

Certified Mail®

Certified Mail Restricted Delivery

Collect on Delivery

Collect on Delivery Restricted Delivery

Signature Confirmation™

Signature Confirmation Restricted Delivery

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

7527 2827 0000 0490 0202

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

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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 Hutchings Oil Company
40 First Plaza Center N.W., Ste. 610
Albuquerque, NM 87102

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

City, State, ZIP+4® _____

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

SENDER: COMPLETE THIS SECTION

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.

Scott Brothers Trust
HC 64 P.O. Box 2012
Castle Valley, UT 84532

2. Article # 7020 0640 0000 1387 1753

3. Service Type

Adult Signature

Adult Signature Restricted Delivery

Certified Mail®

Certified Mail Restricted Delivery

Collect on Delivery

Collect on Delivery Restricted Delivery

Registered Mail™

Registered Mail Restricted Delivery

Return Receipt for Merchandise

Signature Confirmation™

Signature Confirmation Restricted Delivery

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

COMPLETE THIS SECTION ON DELIVERY

A. Signature Lisa Scott

Agent

Addressee

B. Received by (Printed Name) Lisa Scott

C. Date of Delivery _____

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

If YES, enter delivery address below:

3. Service Type

Priority Mail Express®

Registered Mail™

Registered Mail Restricted Delivery

Adult Signature Restricted Delivery

Certified Mail®

Certified Mail Restricted Delivery

Collect on Delivery

Collect on Delivery Restricted Delivery

Signature Confirmation™

Signature Confirmation Restricted Delivery

Postmark Here

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

M-31-2

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:

Seven Rivers, Inc.
P.O. Box 1598
Carlsbad, NM 88220-1598



9590 9402 5941 0062 9291 66

2. Article 7020 0640 0000 1387 1746 ad Delivery

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

Domestic Return Receipt

M - SV 2

COMPLETE THIS SECTION ON DELIVERY

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

MAR - 1 2021
CARL SPAD NM 88220

3. Service Type
- Priority Mail Express®
 - Registered Mail™
 - Adult Signature Restricted Delivery
 - Certified Mail®
 - Certified Mail Restricted Delivery
 - Return Receipt for Merchandise
 - Signature Confirmation™
 - Signature Confirmation Restricted Delivery

ad Delivery

Domestic Return Receipt

M - SV 2

**U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
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For delivery information, visit our website at www.usps.com®

OFFICIAL USE

Certified Mail Fee

- Extra Services & Fees (check box, add fee as appropriate)
- Return Receipt (hardcopy) \$
 - Return Receipt (electronic) \$
 - Certified Mail Restricted Delivery \$
 - Adult Signature Required \$
 - Adult Signature Restricted Delivery \$

Postage

Total Postage and Fees

Sent To

Yates-US Inc.
P.O. Box 2323
Roswell, New Mexico 88202-2323

City, State, ZIP+4®

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

See Reverse for Instructions

Postmark
Here

7020 0640 0000 1387 1746

**U.S. Postal Service™
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Domestic Mail Only**

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

OFFICIAL USE

Certified Mail Fee

- Extra Services & Fees (check box, add fee as appropriate)
- Return Receipt (hardcopy) \$
 - Return Receipt (electronic) \$
 - Certified Mail Restricted Delivery \$
 - Adult Signature Required \$
 - Adult Signature Restricted Delivery \$

Postage

Total Postage and Fees

Sent To

Seven Rivers, Inc.
P.O. Box 1598
Carlsbad, NM 88220-1598

City, State, ZIP+4®

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

See Reverse for Instructions

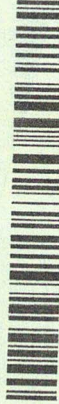
9590 9402 5941 0062 9291 66

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:

Yates-US Inc.
P.O. Box 2323
Roswell, New Mexico 88202-2323



9590 9402 5941 0062 9291 73

2. Article

Return Receipt from service label

7020 0640 0000 1387 1739 ad Delivery

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

Domestic Return Receipt

M - SV 2

COMPLETE THIS SECTION ON DELIVERY

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

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

ad Delivery

Domestic Return Receipt

M - SV 2

7020 0640 0000 1387 1739

Track Another Package +

Tracking Number: 70200640000013871777

Remove X

Your item was picked up at a postal facility at 4:22 am on March 12, 2021 in HOUSTON, TX 77002.

✓ Delivered

March 12, 2021 at 4:22 am
Delivered, Individual Picked Up at Postal Facility
HOUSTON, TX 77002

Get Updates ▾

Text & Email Updates

Tracking History

Product Information

See Less

Feedback

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

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

OFFICIAL USE

Certified Mail Fee		
\$		
Extra Services & Fees <i>(check box, add fee as appropriate)</i>		
<input type="checkbox"/>	Return Receipt (hardcopy)	\$ _____
<input type="checkbox"/>	Return Receipt (electronic)	\$ _____
<input type="checkbox"/>	Certified Mail Restricted Delivery	\$ _____
<input type="checkbox"/>	Adult Signature Required	\$ _____
<input type="checkbox"/>	Adult Signature Restricted Delivery	\$ _____
Postage		
\$		
Total Postage and Fees		
\$		
Sent To Occidental Permian Limited Partnership		
P.O. Box 4294		
Houston, TX 77210-4294		
Street and Apt. No., or PO BOX NO.		
City, State, ZIP+4®		

Postmark Here

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

Can't find what you're looking for?

Go to our FAQs section to find answers to your tracking questions.

FAQs

Track Another Package +

Tracking Number: 70200640000013871708

Remove X

Your item was delivered to an individual at the address at 12:57 pm on March 1, 2021 in MIDLAND, TX 79706.

✓ Delivered

March 1, 2021 at 12:57 pm
Delivered, Left with Individual
MIDLAND, TX 79706

Get Updates ▾

Text & Email Updates

Tracking History

Product Information

7020 0640 0000 1387 1708

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

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

OFFICIAL USE

Certified Mail Fee	\$	
Extra Services & Fees (check box, add fee as appropriate)		
<input type="checkbox"/> Return Receipt (hardcopy)	\$	
<input type="checkbox"/> Return Receipt (electronic)	\$	
<input type="checkbox"/> Certified Mail Restricted Delivery	\$	
<input type="checkbox"/> Adult Signature Required	\$	
<input type="checkbox"/> Adult Signature Restricted Delivery	\$	
Postage	\$	
Total Postage and Fees	\$	
Sent To	Chevron U.S.A. Inc. 6301 Deauville Boulevard Midland, TX 79706	
Street and Apt. No., or PO Box No.		
City, State, ZIP+4®		

Postmark Here

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

See Less ^

Can't find what you're looking for?

Go to our FAQs section to find answers to your tracking questions.

LEGAL NOTICE
December 4, 2020

To: Yates Energy Corporation, Hutchings Oil Company, Seven Rivers, Inc., Yates-US Inc., James H. Bond, Scott Brothers Trust, and Grande Drilling Corporation, or your heirs, devisees, successors, or assigns: Mewbourne Oil Company has filed an application with the New Mexico Oil Conservation Division (Case No. 21403) seeking an order pooling all mineral interest owners in the Bone Spring formation underlying a horizontal spacing unit comprised of the W/2W/2 of Section 19 and the W/2W/2 of Section 18, Township 19 South, Range 35 East, NMPM. The unit will be dedicated to the Santa Vaca 19/18 B2MD State Com. Well No. 1H and the Santa Vaca 19/18 B3MD State Com. Well No. 2H, which will be drilled to depths sufficient to test the Bone Spring formation. The wells are horizontal wells, with first take points in the SW/4SW/4 of Section 19 and last take points in the NW/4NW/4 of Section 18. 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, and equipping the wells. The application is scheduled to be heard at 8:15 a.m. on December 17, 2020. During the COVID-19 Public Health Emergency, state buildings are closed to the public and the hearing will be conducted remotely. To determine the location of the hearing or to participate in an electronic hearing, go to emnrd.state.nm.us/OCD/hearings or see the instructions posted on the Division's website, <http://emnrd.state.nm.us/OCD/announcements.html>. As an interest owner in the well unit, you have the right to enter an appearance and participate in the case. Failure to appear 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 Thursday, December 10, 2020. This statement may be filed online with the Division at ocd.hearings@state.nm.us, and should include: The name of the party and his or her attorney; a concise statement of the case; the name(s) of the witness(es) the party will call to testify at the hearing; the approximate time the party will need to present his or her case; and identification of any procedural matters that need to be resolved prior to the hearing. The Pre-Hearing Statement must also be provided to the undersigned. The attorney for applicant is James Bruce, P.O. Box 1056, Santa Fe, New Mexico 87504, (505) 982-2043, jamesbruc@aol.com. The unit is located approximately 14 miles west-northwest of Monument, New Mexico.

#36045

EXHIBIT 5.A

Affidavit of Publication

STATE OF NEW MEXICO
COUNTY OF LEA

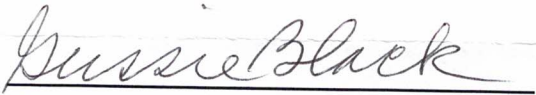
I, Daniel Russell, Publisher of the Hobbs News-Sun, a newspaper published at Hobbs, New Mexico, solemnly swear that the clipping attached hereto was published in the regular and entire issue of said newspaper, and not a supplement thereof for a period of 1 issue(s).

Beginning with the issue dated
March 03, 2021
and ending with the issue dated
March 03, 2021.



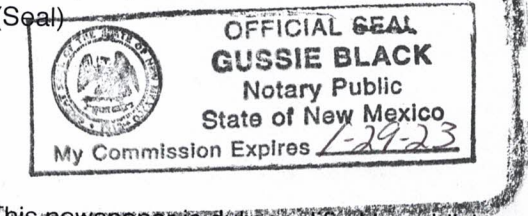
Publisher

Sworn and subscribed to before me this
3rd day of March 2021.



Business Manager

My commission expires
January 29, 2023



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 March 3, 2021

To: Yates Energy Corporation, Hutchings Oil Company, Seven Rivers, Inc., Yates-US Inc., James H. Bond, Scott Brothers Trust, Grande Drilling Corporation, Chevron U.S.A. Inc., and Occidental Permian Limited Partnership, or your heirs, devisees, successors, or assigns: Mewbourne Oil Company has filed an application with the New Mexico Oil Conservation Division (Case No. 21721) seeking an order pooling all mineral interest owners in the Bone Spring formation underlying a horizontal spacing unit comprised of the E/2W/2 of Section 19 and the E/2W/2 of Section 18, Township 19 South, Range 35 East, NMPM. The unit will be dedicated to the Santa Vaca 19/18 B2NC State Com. Well No. 1H and the Santa Vaca 19/18 B3NC State Com. Well No. 2H, which will be drilled to depths sufficient to test the Bone Spring formation. The wells are horizontal wells, with first take points in the SE/4SW/4 of Section 19 and last take points in the NE/4NW/4 of Section 18. 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, and equipping the wells. The application is scheduled to be heard at 8:15 a.m. on March 18, 2021. During the COVID-19 Public Health Emergency, state buildings are closed to the public and the hearing will be conducted remotely. To determine the location of the hearing or to participate in an electronic hearing, go to emnrd.state.nm.us/OCD/hearings or see the instructions posted on the Division's website, <http://emnrd.state.nm.us/OCD/announcements.html>. As an interest owner in the well unit, you have the right to enter an appearance and participate in the case. Failure to appear 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 Thursday, March 11, 2021. This statement may be filed online with the Division at ocd.hearings@state.nm.us, and should include: The name of the party and his or her attorney; a concise statement of the case; the name(s) of the witness(es) the party will call to testify at the hearing; the approximate time the party will need to present his or her case; and identification of any procedural matters that need to be resolved prior to the hearing. The Pre-Hearing Statement must also be provided to the undersigned. The attorney for applicant is James Bruce, P.O. Box 1056, Santa Fe, New Mexico 87504, (505) 982-2043, jamesbruc@aol.com. The unit is located approximately 14 miles west-northwest of Monument, New Mexico. #36263

01101711

00251655

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

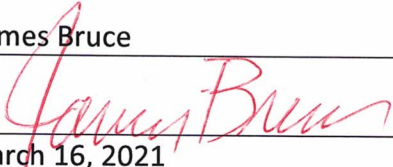
EXHIBIT 5-13

COMPULSORY POOLING APPLICATION CHECKLIST

ALL INFORMATION IN THE APPLICATION MUST BE SUPPORTED BY SIGNED AFFIDAVITS

Case:	21403	
Date:	March 18, 2021	
Applicant	Mewbourne Oil Company	
Designated Operator & OGRID (affiliation if applicable)	Mewbourne Oil Company/OGRID No.14744	
Applicant's Counsel:	James Bruce	
Case Title:	Application of Mewbourne Oil Company for Compulsory Pooling, Eddy County, New Mexico	
Entries of Appearance/Intervenors:		
Well Family	Santa Vaca wells	
Formation/Pool		
Formation Name(s) or Vertical Extent:	Bone Spring Formation	
Primary Product (Oil or Gas):	Gas	
Pooling this vertical extent:	Entire Bone Spring formation	
Pool Name and Pool Code:		
Well Location Setback Rules:	Statewide rules and current horizontal well rules	
Spacing Unit Size:	Quarter-quarter sections/40 acres	
Spacing Unit		
Type (Horizontal/Vertical)	Horizontal	
Size (Acres)	320 acres	
Building Blocks:		
Orientation:	South-North	
Description: TRS/County	W/2W/2 §19 and W/2W/2 §9-19S-35E, NMPM, Lea County	
Standard Horizontal Well Spacing Unit (Y/N), If No, describe	Yes	
Other Situations		
Depth Severance: Y/N. If yes, description	No	EXHIBIT 6-A
Proximity Tracts: If yes, description	No	
Proximity Defining Well: if yes, description		
Applicant's Ownership in Each Tract	Exhibit 2A-B	
Well(s)		
Name & API (if assigned), surface and bottom hole location, footages, completion target, orientation, completion status (standard or non-standard)	Santa Vaca 19/18 B2MD St. Com. Well No. 1H API No. 30-025-Pending SHL: 205 FSL &1380 FWL §19 BHL: 100 FNL &500 FWL §18 FTP: 100 FSL &500 FWL §19 LTP: 100 FNL & 500 FWL §18 Bone Spring/TVD 10465 feet/MD 20575 feet	

	Santa Vaca 19/18 B3MD St. Com.Well No. 2H API No. 30-025-Pending SHL: 205 FSL &1350 FWL §19 BHL: 100 FNL &500 FWL §18 FTP: 100 FSL &500 FWL §19 LTP: 100 FNL & 500 FWL §18 Bone Spring/TVD 10951 feet/MD 21061 feet
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 2A, page 2
Requested Risk Charge	Cost + 200%/Exhibit 2A, page 2
Notice of Hearing	
Proposed Notice of Hearing	Exhibit1
Proof of Mailed Notice of Hearing (20 days before hearing)	Exhibit 4
Proof of Published Notice of Hearing (10 days before hearing)	Exhibit 5
Ownership Determination	
Land Ownership Schematic of the Spacing Unit	Exhibit 2A-A
Tract List (including lease numbers and owners)	Exhibit 2A-B
Pooled Parties (including ownership type)	Exhibit 2A-2
Unlocatable Parties to be Pooled	Exhibit 2A
Ownership Depth Severance (including percentage above & below)	None
Joinder	
Sample Copy of Proposal Letter	Exhibit 2A-C
List of Interest Owners (i.e. Exhibit A of JOA)	Exhibit 2A-B
Chronology of Contact with Non-Joined Working Interests	Exhibit 2A-C
Overhead Rates In Proposal Letter	Exhibit 2A-C
Cost Estimate to Drill and Complete	Exhibit 2A-D
Cost Estimate to Equip Well	Exhibit 2A-D
Cost Estimate for Production Facilities	Exhibit 2A-D
Geology	
Summary (including special considerations)	Exhibit 3A
Spacing Unit Schematic	Exhibit 2A-A
Gunbarrel/Lateral Trajectory Schematic	Exhibit 3A

Well Orientation (with rationale)	Standup/Exhibit 3
Target Formation	Bone Spring
HSU Cross Section	Exhibit 3A-C
Depth Severance Discussion	Not Applicable
Forms, Figures and Tables	
C-102	Exhibit 2A-A
Tracts	Exhibit 2A-B
Summary of Interests, Unit Recapitulation (Tracts)	Exhibit 2A-B
General Location Map (including basin)	Exhibit 2A-B
Well Bore Location Map	Exhibit 2A-A
Structure Contour Map - Subsea Depth	Exhibit 3A-A
Cross Section Location Map (including wells)	Exhibits 3A-D
Cross Section (including Landing Zone)	Exhibit 3A-D
Additional Information	
CERTIFICATION: I hereby certify that the information provided in this checklist is complete and accurate.	
Printed Name (Attorney or Party Representative):	James Bruce
Signed Name (Attorney or Party Representative):	
Date:	March 16, 2021

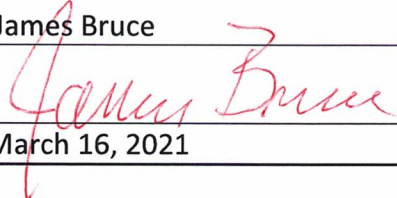
COMPULSORY POOLING APPLICATION CHECKLIST

ALL INFORMATION IN THE APPLICATION MUST BE SUPPORTED BY SIGNED AFFIDAVITS

Case:	21721
Date:	March 18, 2021
Applicant	Mewbourne Oil Company
Designated Operator & OGRID (affiliation if applicable)	Mewbourne Oil Company/OGRID No.14744
Applicant's Counsel:	James Bruce
Case Title:	Application of Mewbourne Oil Company for Compulsory Pooling, Eddy County, New Mexico
Entries of Appearance/Intervenors:	
Well Family	Santa Vaca wells
Formation/Pool	
Formation Name(s) or Vertical Extent:	Bone Spring Formation
Primary Product (Oil or Gas):	Gas
Pooling this vertical extent:	Entire Bone Spring formation
Pool Name and Pool Code:	
Well Location Setback Rules:	Statewide rules and current horizontal well rules
Spacing Unit Size:	Quarter-quarter sections/40 acres
Spacing Unit	
Type (Horizontal/Vertical)	Horizontal
Size (Acres)	320 acres
Building Blocks:	
Orientation:	South-North
Description: TRS/County	E/2W/2 §19 and E/2W/2 §9-19S-35E, NMPM, Lea County
Standard Horizontal Well Spacing Unit (Y/N), If No, describe	Yes
Other Situations	
Depth Severance: Y/N. If yes, description	No
Proximity Tracts: If yes, description	No
Proximity Defining Well: if yes, description	
Applicant's Ownership in Each Tract	Exhibit 2B-B
Well(s)	
Name & API (if assigned), surface and bottom hole location, footages, completion target, orientation, completion status (standard or non-standard)	Santa Vaca 19/18 B2NC St. Com. Well No. 1H API No. 30-025-Pending SHL: 205 FSL & 1440 FWL §19 BHL: 100 FNL & 1980 FWL §18 FTP: 100 FSL & 1980 FWL §19 LTP: 100 FNL & 1980 FWL §18 Bone Spring/TVD 10251 feet/MD 20486 feet

EXHIBIT *GB*

	Santa Vaca 19/18 B3NC St. Com.Well No. 2H API No. 30-025-Pending SHL: 205 FSL & 1410 FWL §19 BHL: 100 FNL & 1980 FWL §18 FTP: 100 FSL & 1980 FWL §19 LTP: 100 FNL & 1980 FWL §18 Bone Spring/TVD 10761 feet/MD 21013 feet
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 2B, page 2
Requested Risk Charge	Cost + 200%/Exhibit 2B, page 2
Notice of Hearing	
Proposed Notice of Hearing	Exhibit 1
Proof of Mailed Notice of Hearing (20 days before hearing)	Exhibit 4
Proof of Published Notice of Hearing (10 days before hearing)	Exhibit 5
Ownership Determination	
Land Ownership Schematic of the Spacing Unit	Exhibit 2B-A
Tract List (including lease numbers and owners)	Exhibit 2B-B
Pooled Parties (including ownership type)	Exhibit 2B-C
Unlocatable Parties to be Pooled	Exhibit 2B
Ownership Depth Severance (including percentage above & below)	None
Joinder	
Sample Copy of Proposal Letter	Exhibit 2B-C
List of Interest Owners (<i>i.e.</i> Exhibit A of JOA)	Exhibit 2B-B
Chronology of Contact with Non-Joined Working Interests	Exhibit 2B-C
Overhead Rates In Proposal Letter	Exhibit 2B-C
Cost Estimate to Drill and Complete	Exhibit 2B-D
Cost Estimate to Equip Well	Exhibit 2B-D
Cost Estimate for Production Facilities	Exhibit 2B-D
Geology	
Summary (including special considerations)	Exhibit 3B
Spacing Unit Schematic	Exhibit 2B-A
Gunbarrel/Lateral Trajectory Schematic	Exhibit 3B

Well Orientation (with rationale)	Standup/Exhibit 3B
Target Formation	Bone Spring
HSU Cross Section	Exhibit 3B-C
Depth Severance Discussion	Not Applicable
Forms, Figures and Tables	
C-102	Exhibit 2B-A
Tracts	Exhibit 2B-B
Summary of Interests, Unit Recapitulation (Tracts)	Exhibit 2B-B
General Location Map (including basin)	Exhibit 2B-B
Well Bore Location Map	Exhibit 2B-A
Structure Contour Map - Subsea Depth	Exhibit 3B-A
Cross Section Location Map (including wells)	Exhibit 3B-D
Cross Section (including Landing Zone)	Exhibit 3B-D
Additional Information	
CERTIFICATION: I hereby certify that the information provided in this checklist is complete and accurate.	
Printed Name (Attorney or Party Representative):	James Bruce
Signed Name (Attorney or Party Representative):	
Date:	March 16, 2021