

CASE NO. 21770

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

**MEWBOURNE OIL COMPANY'S EXHIBIT LIST**

1. Applications and Proposed Notices
2. Landman's Affidavit (Mitch Robb)
3. Geologist's Affidavit (Tyler Hill)
4. Notice Affidavit
5. Pooling Checklist

BEFORE THE NEW MEXICO OIL CONSERVATION DIVISION

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

Case No. 21770

APPLICATION

Mewbourne Oil Company applies for an order pooling all mineral interest owners in the Wolfcamp formation underlying a horizontal spacing unit comprised of the  $W\frac{1}{2}$  of Section 35 and the  $W\frac{1}{2}$  of Section 26, Township 23 South, Range 28 East, N.M.P.M., Eddy County, New Mexico, and in support thereof, states:

1. Applicant is an interest owner in the  $W\frac{1}{2}$  of Section 35 and the  $W\frac{1}{2}$  of Section 26, and has the right to drill a well or wells thereon.
2. Applicant proposes to drill the following wells on the unit to depths sufficient to test the Wolfcamp formation:
  - (a) The Layla 35/26 W0MD Fee Well No. 1H, with a first take point in the  $SW\frac{1}{4}SW\frac{1}{4}$  of Section 35 and a last take point in the  $NW\frac{1}{4}NW\frac{1}{4}$  of Section 26;
  - (b) The Layla 35/26 W0NC Fee Well No. 1H, with a first take point in the  $SE\frac{1}{4}SW\frac{1}{4}$  of Section 35 and a last take point in the  $NE\frac{1}{4}NW\frac{1}{4}$  of Section 26; and
  - (c) The Layla 35/26 W0NC Fee Well No. 2H, with a first take point in the  $SE\frac{1}{4}SW\frac{1}{4}$  of Section 35 and a last take point in the  $NE\frac{1}{4}NW\frac{1}{4}$  of Section 26.
3. Applicant has in good faith sought to obtain the voluntary joinder of all other mineral interest owners in the  $W\frac{1}{2}$  of Section 35 and the  $W\frac{1}{2}$  of Section 26 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

EXHIBIT /

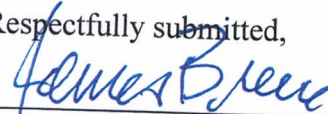
the wells, certain mineral interest owners have failed or refused to join in dedicating their interests. Therefore, applicant seeks an order pooling all mineral interest owners in the Wolfcamp formation underlying W $\frac{1}{2}$  of Section 35 and the W $\frac{1}{2}$  of Section 26, pursuant to NMSA 1978 §70-2-17.

5. The pooling of all mineral interest owners in the Wolfcamp formation underlying the W $\frac{1}{2}$  of Section 35 and the W $\frac{1}{2}$  of Section 26 will prevent the drilling of unnecessary wells, prevent waste, and protect correlative rights.

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

- A. Pooling all mineral interest owners in the Wolfcamp formation underlying the W $\frac{1}{2}$  of Section 35 and the W $\frac{1}{2}$  of Section 26 to form a standard 640 acre spacing and proration unit;
- B. Designating applicant as operator of the wells;
- C. Considering the cost of drilling, completing, and equipping the wells and allocating the cost thereof 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) 982-204e

Attorney for Mewbourne Oil Company

PROPOSED ADVERTISEMENT

***Application of Mewbourne Oil Company for compulsory pooling, Eddy County, New Mexico.***  
Mewbourne Oil Company seeks an order pooling all mineral interest owners in the Wolfcamp formation underlying a horizontal spacing unit comprised of the W/2 of Section 35 and the W/2 of Section 26, Township 23 South, Range 28 East, NMPM, Eddy County, New Mexico. The unit will be dedicated to: (a) The Layla 35/26 W0MD Fee Well No. 1H, with a first take point in the SW/4SW/4 of Section 35 and a last take point in the NW/4NW/4 of Section 26; (b) The Layla 35/26 W0NC Fee Well No. 1H, with a first take point in the SE/4SW/4 of Section 35 and a last take point in the NE/4NW/4 of Section 26; and (c) The Layla 35/26 W0NC Fee Well No. 2H, with a first take point in the SE/4SW/4 of Section 35 and a last take point in the NE/4NW/4 of Section 26. 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 3-1/2 miles north-northeast of Malaga, New Mexico.

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

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

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

**Case No. 21770**

**VERIFIED STATEMENT OF MITCH ROBB**

Mitch Robb, 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 owners into the Wolfcamp horizontal spacing unit described below, and in wells to be drilled in the unit.

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

(c) A plat outlining the unit being pooled is attached hereto as Attachment A. Mewbourne seeks an order pooling all mineral interests in the Wolfcamp formation underlying the W/2 of Section 26 and the W/2 of Section 35, Township 23 South, Range 28 East, NMPM. The unit will be dedicated to:

- (i) the Layla 35/26 W0MD Fee #1H, a horizontal well with a first take point in the SW/4SW/4 of 35 and a final take point in the NW/4NW/4 of Section 26;
- (ii) the Layla 35/26 W0NC Fee #1H, a horizontal well with a first take point in the SE/4SW/4 of 35 and a final take point in the NE/4NW/4 of Section 26;
- (iii) the Layla 35/26 W0NC Fee #2H, a horizontal well with a first take point in the SE/4SW/4 of 35 and a final take point in the NE/4NW/4 of Section 26;

EXHIBIT


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- (d) The parties being pooled and their interests are set forth in Attachment B. Their current and correct addresses, or last known addresses, are also set forth.
- (e) In order to locate the interest owners Mewbourne examined the county records, performed internet searches, checked telephone records, made calls to family members, and searched Accurint and Whitepages.
- (f) Attachment C contains a summary of contacts or attempted contacts with the interest owners, together with copies of the proposal letters sent to the interest owners.
- (g) Mewbourne has made a good faith effort to obtain the voluntary joinder of the working interest owners in the proposed wells, or to locate the owners.
- (h) Mewbourne has the right to pool the overriding royalty owners in the well unit.
- (i) Mewbourne requests overhead and administrative rates of \$8000/month for a drilling well and \$800/month for a producing well. These rates are fair, and comparable to the rates charged by other operators for wells of this type in this portion of Eddy County. They are also the rates set forth in the Joint Operating Agreement for the well unit. Mewbourne requests that these rates be adjusted periodically as provided in the COPAS Accounting Procedure.
- (j) Mewbourne requests that the maximum cost plus 200% risk charge be assessed against non-consenting working interest owners.
- (k) Mewbourne requests that it be designated operator of the wells.
- (l) The attachments to this affidavit were prepared by me or compiled from Company business records.
- (m) The granting of this application is in the interests of conservation and the prevention of waste.

VERIFICATION

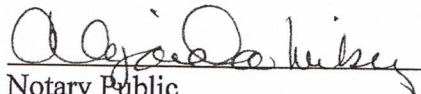
STATE OF TEXAS                    )  
  ) ss.  
COUNTY OF MIDLAND            )

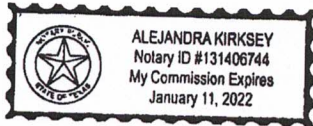
Mitch Robb, being duly sworn upon his oath, deposes and states that: He is a landman for Mewbourne Oil Company; he is authorized to make this verification on its behalf; he has read the foregoing statement, and knows the contents thereof; and the same is true and correct to the best of his knowledge,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

  
\_\_\_\_\_  
Mitch Robb

SUBSCRIBED AND SWORN TO before me this 31st day of March, 2021 by Mitch Robb.

My Commission Expires: January 11, 2022

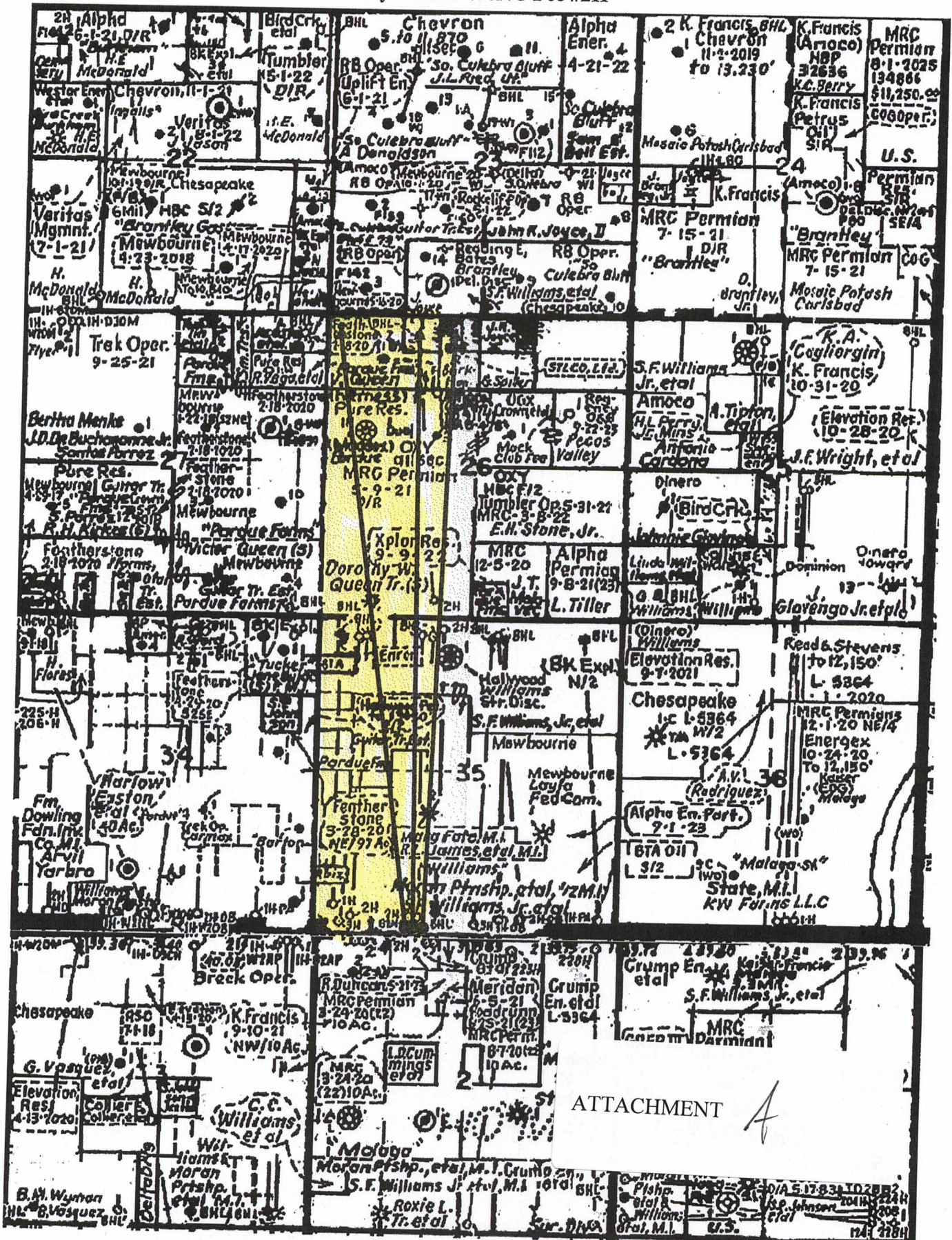
  
\_\_\_\_\_  
Notary Public



Layla 35/26 W0MD Fee #1H

Layla 35/26 W0NC Fee #1H

Layla 35/26 W0NC Fee #2H



ATTACHMENT A



**Section Plat**

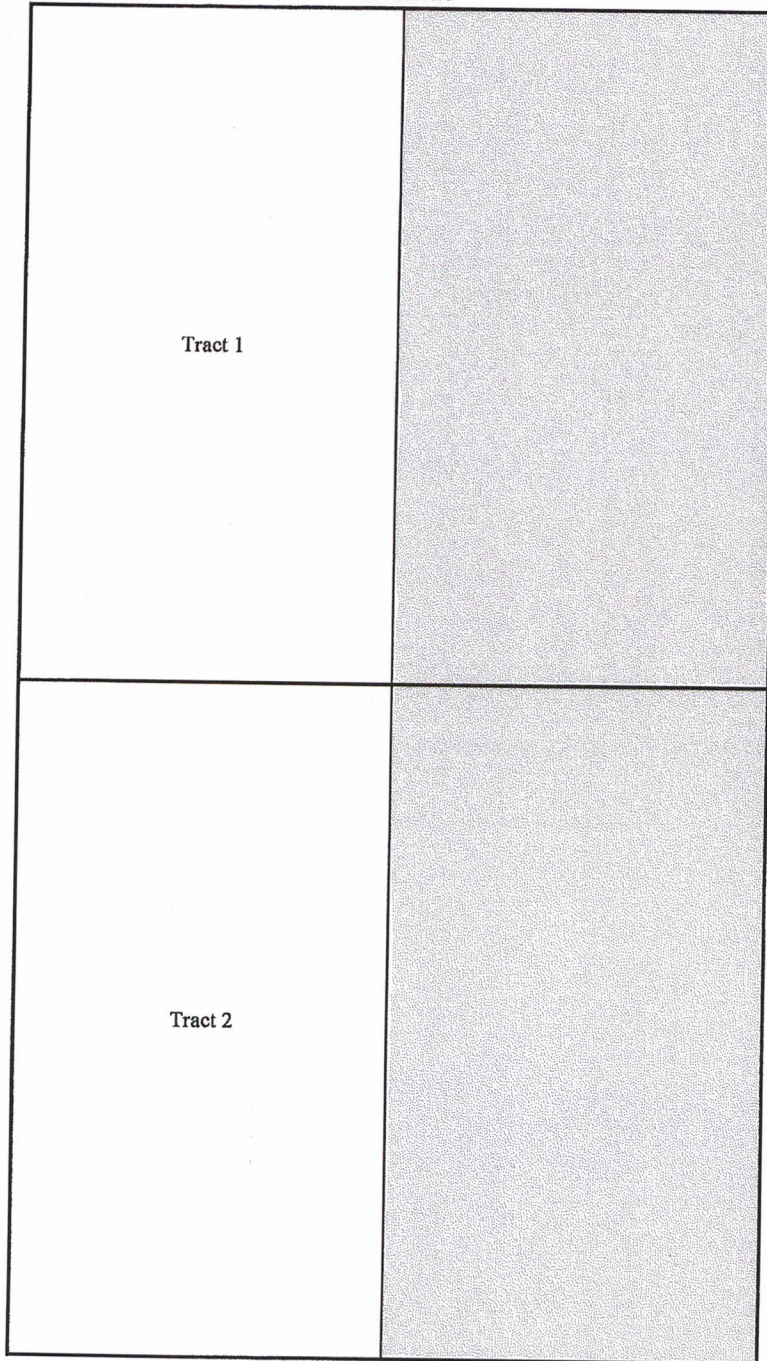
Layla 35/26 W0MD Fee #1H

Layla 35/26 W0NC Fee #1H

Layla 35/26 W0NC Fee #2H

W/2 of Sec. 26 & W/2 of Sec. 35-T23S-R28E, Eddy County, NM

**Section 26**



**Section 35**

**Tract 1: W/2 of Section 26 - Fee Lands**

BK Exploration Corporation, et al.  
Chevron U.S.A. Inc.

**Tract 2: W/2 of Section 35 - Fee Lands**

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

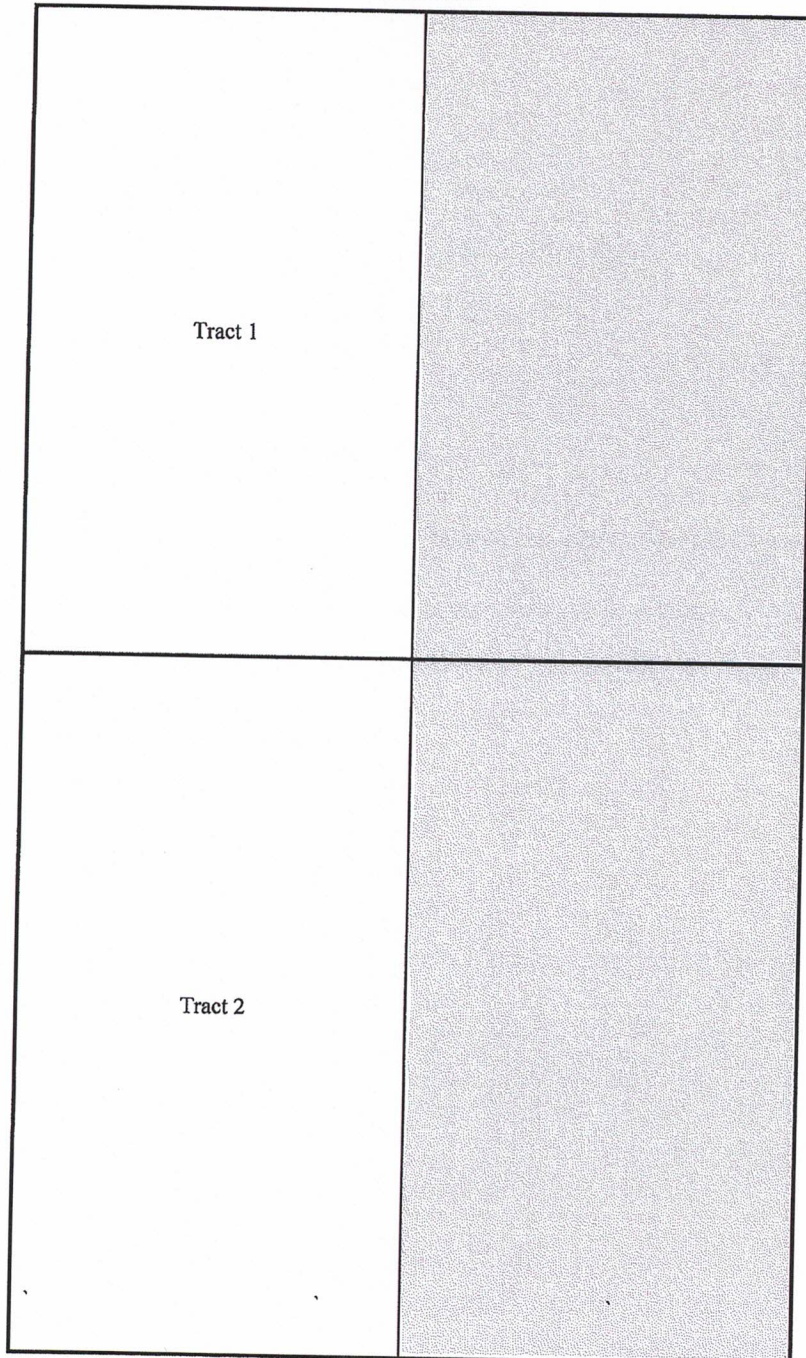
ATTACHMENT

B

RECAPITULATION FOR  
Layla 35/26 W0MD Fee #1H  
Layla 35/26 W0NC Fee #1H  
Layla 35/26 W0NC Fee #2H

Tract Number	Number of Acres Committed	Percentage of Interst in Communitized Area
1	320	50.000000%
2	320	50.000000%
<b>TOTAL</b>	<b>640</b>	<b>100.000000%</b>

T23S-R28E, Eddy County, NM  
Section 26



Section 35

**TRACT OWNERSHIP**

Layla 35/26 W0MD Fee #1H

Layla 35/26 W0NC Fee #1H

Layla 35/26 W0NC Fee #2H

W/2 of Sec. 26 & W/2 of Sec. 35-T23S-R28E, Eddy County, NM

**W/2 of Section 26 & W/2 of Section 35**

**Wolfcamp Formation:**

<b>Owner</b>	<b>% of Leasehold Interest</b>
Mewbourne Oil Company, et al.	42.812500%
*Chevron U.S.A. Inc. 6301 Deauville Midland, TX 79706	57.187500%
<b>TOTAL</b>	<b>100.000000%</b>

**Total Interest Being Pooled: 57.187500%**

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**OWNERSHIP BY TRACT**

**W/2 of Section 26**

<b>Owner</b>	<b>% of Leasehold Interest</b>
BK Exploration Corporation, et al	17.812500%
Chevron U.S.A. Inc.	82.187500%
<b>TOTAL</b>	<b>100.000000%</b>

**W/2 of Section 35**

<b>Owner</b>	<b>% of Leasehold Interest</b>
Mewbourne Oil Company, et al.	67.812500%
Chevron U.S.A. Inc.	32.187500%
<b>TOTAL</b>	<b>100.000000%</b>

**Summary of Communications**  
**Layla 35/26 W0MD Fee #1H**  
**Layla 35/26 W0NC Fee #1H**  
**Layla 35/26 W0NC Fee #2H**  
**W/2 of Section 26 & W/2 of Section 35**  
**T23S-R28E, Eddy County, NM**

**Chevron U.S.A. Inc. &**  
**Chevron Midcontinent LP:**

- 01/12/2021: Correspondence with above listed party regarding Working Interest Unit.
- 01/15/2021: Correspondence with above listed party regarding Working Interest Unit.
- 01/20/2021: Correspondence with above listed party regarding Working Interest Unit.
- 02/5/2021: Correspondence with above listed party regarding Working Interest Unit.
- 02/19/2021: Correspondence with above listed party regarding Working Interest Unit.
- 02/22/2021: Mailed Working Interest Unit and Well Proposal to the above listed party.
- 02/26/2021: Correspondence with above listed party regarding Working Interest Unit and Well Proposal.
- 3/17/2021: Correspondence with above listed party regarding Working Interest Unit and Well Proposal.

ATTACHMENT 

# MEWBOURNE OIL COMPANY

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

TELEPHONE (432) 682-3715

February 22, 2021

Via Certified Mail

Chevron U.S.A. Inc.  
Chevron Midcontinent LP  
6301 Deauville  
Midland, TX 79706  
Attn: Peter Clark

Re: Layla 35/26 W0MD Fee #1H  
SL: 225' FSL & 1870' FWL (Section 35);  
BHL: 330' FNL & 440' FWL (Section 26)

Layla 35/26 W0NC Fee #1H  
SL: 225' FSL & 1900' FWL (Section 35);  
BHL: 330' FNL & 1335' FWL (Section 26)

Layla 35/26 W0NC Fee #2H  
SL: 225' FSL & 1930' FWL (Section 35);  
BHL: 330' FNL & 2200' FWL (Section 26)

Sections 35 & 26, T23S, R28E  
Eddy County, New Mexico

Ladies and Gentlemen:

Mewbourne Oil Company ("Mewbourne") as Operator hereby proposes to form a 640.00 acre Working Interest Unit ("WIU") covering the W/2 of the captioned Section 35 and the W/2 of the captioned Section 26 for oil and gas production.

Mewbourne as Operator hereby proposes to drill the captioned Layla 35/26 W0MD Fee #1H at the above referenced surface location (SL) to the referenced bottom hole location (BHL). The proposed well will be drilled to an approximate true vertical depth (TVD) of 9,633 feet subsurface to evaluate the Wolfcamp Formation. The proposed well will have a measured depth (MD) of approximately 19,750 feet. The W/2 of the captioned Section 35 and the W/2 of the captioned Section 26 will be dedicated to the well as the proration unit.

In addition, Mewbourne as Operator hereby proposes to drill the captioned Layla 35/26 W0NC Fee #1H at the above referenced surface location (SL) to the referenced bottom hole location (BHL). The proposed well will be drilled to an approximate true vertical depth (TVD) of 9,653 feet subsurface to evaluate the Wolfcamp Formation. The proposed well will have a measured depth (MD) of approximately 19,700 feet. The W/2 of the captioned Section 35 and the W/2 of the captioned Section 26 will be dedicated to the well as the proration unit.

Finally, Mewbourne as Operator hereby proposes to drill the captioned Layla 35/26 W0NC Fee #2H at the above referenced surface location (SL) to the referenced bottom hole location (BHL). The proposed well will be drilled to an approximate true vertical depth (TVD) of 9,673 feet subsurface to evaluate the Wolfcamp Formation. The proposed well will have a measured depth (MD) of approximately 19,725 feet. The W/2 of the captioned Section 35 and the W/2 of the captioned Section 26 will be dedicated to the well as the proration unit.

Regarding the above, enclosed for your further handling are our AFEs dated February 4, 2021 for the captioned proposed wells. In the event your firm elects to participate in the proposed wells, please execute the enclosed AFEs and return to me within thirty (30) days. Our proposed Operating Agreement will have COPAS rates of \$8,000/month while drilling, \$800/month for a producing well and a non-consent penalty of 100%/300%. If you wish to participate, in the above wells, please let me know and I will provide a complete copy of the Operating Agreement for your review.

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

Sincerely,

**MEWBOURNE OIL COMPANY**



Mitch Robb  
Landman



## Proof of Acceptance (Electronic)

Date: 3/31/2021

Client Name: Mewbourne Oil Company

Certified with RR(E) item number 9414836897846661332563,  
addressed to Peter Clark

Accepted at USPS Regional Facility-February 23, 2021, 8:03 pm,  
MIDLAND TX DISTRIBUTION CENTER,

The item number, time, date, city, state, and zip code is a true extract of  
information provided by the United States Postal Service to  
SimpleCertifiedMail.com.

Peter Clark  
Chevron U.S. A. Inc.  
6301 Deauville Blvd.  
Midland, TX 79706  
Reference #: Layla 35/26  
Group Name: MIDLAND OFFICE

The above information is for the sole use of SimpleCertifiedMail.com  
clients and represents information provided by the United States Postal  
Service.

# MEWBOURNE OIL COMPANY

## AUTHORIZATION FOR EXPENDITURE

Well Name: LAYLA 35/26 W0NC FEE #1H Prospect: Layla 35  
 Location: SL: 225 FSL & 1900 FWL; BHL: 330 FNL & 1335 FWL (26) County: Eddy ST: NM  
 Sec. 35 BJK:      Survey:      TWP: 23S RNG: 28E Prop. TVD: 9653 TMD: 19700

INTANGIBLE COSTS 0180		CODE	TCP	CODE	CC
Regulatory Permits & Surveys		0180-0100	\$8,000	0180-0200	
Location / Road / Site / Preparation		0180-0105	\$50,000	0180-0205	\$35,000
Location / Restoration	(1/3 Battery Containment	0180-0106	\$200,000	0180-0206	\$25,000
Daywork / Turnkey / Footage Drilling	19 days drlg / 3 days comp @ \$18550/d	0180-0110	\$376,400	0180-0210	\$59,400
Fuel	1700 gal/day @ \$1.6/gal	0180-0114	\$55,200	0180-0214	\$328,000
Alternate Fuels		0180-0115		0180-0215	
Mud, Chemical & Additives		0180-0120	\$70,000	0180-0220	
Mud - Specialized		0180-0121	\$110,000	0180-0221	
Horizontal Drillout Services				0180-0222	\$200,000
Stimulation Toe Preparation				0180-0223	\$30,000
Cementing		0180-0125	\$80,000	0180-0225	\$35,000
Logging & Wireline Services		0180-0130	\$2,300	0180-0230	\$452,000
Casing / Tubing / Snubbing Services		0180-0134	\$18,000	0180-0234	\$40,000
Mud Logging		0180-0137	\$20,000		
Stimulation	83 Stg 25.0 MM gal/ 25.0 MM lb			0180-0241	\$1,751,000
Stimulation Rentals & Other				0180-0242	\$200,000
Water & Other		0180-0145	\$35,000	0180-0245	\$506,000
Bits		0180-0148	\$74,800	0180-0248	\$5,000
Inspection & Repair Services		0180-0150	\$50,000	0180-0250	\$5,000
Misc. Air & Pumping Services		0180-0154		0180-0254	\$10,000
Testing & Flowback Services		0180-0158	\$12,000	0180-0258	\$24,000
Completion / Workover Rig				0180-0260	\$10,500
Rig Mobilization		0180-0164	\$80,000		
Transportation		0180-0165	\$30,000	0180-0265	\$20,000
Welding, Construction & Maint. Services		0180-0168	\$4,000	0180-0268	\$15,000
Contract Services & Supervision		0180-0170		0180-0270	\$27,000
Directional Services	Includes Vertical Control	0180-0175	\$248,000		
Equipment Rental		0180-0180	\$137,600	0180-0280	\$5,000
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	\$1,000
Damages		0180-0190	\$50,000	0180-0290	
Pipeline Interconnect, ROW Easements		0180-0192		0180-0292	
Company Supervision		0180-0195	\$240,000	0180-0295	\$144,000
Overhead Fixed Rate		0180-0196	\$10,000	0180-0296	\$20,000
Contingencies	2% (TCP) 2% (CC)	0180-0199	\$39,600	0180-0299	\$79,000
<b>TOTAL</b>			<b>\$2,019,000</b>		<b>\$4,026,900</b>

TANGIBLE COSTS 0181		CODE	TCP	CODE	CC
Casing (19.1" - 30")		0181-0793			
Casing (10.1" - 19.0")	500' - 13 3/8" 54.5# J-55 ST&C @ \$32.16/ft	0181-0794	\$17,200		
Casing (8.1" - 10.0")	2550' - 9 5/8" 40# HCL80 LT&C @ \$25.77/ft	0181-0795	\$70,200		
Casing (6.1" - 8.0")	10000' - 7" 29# HCP-110 LT&C @ \$21.47/ft	0181-0796	\$229,300		
Casing (4.1" - 6.0")	10550' - 4 1/2" 13.5# P-110 BPN @ \$13.75/ft			0181-0797	\$154,900
Tubing	9250' - 2 7/8" 6.6# L-80 Tbg @ \$7.82/ft			0181-0798	\$77,300
Drilling Head		0181-0860	\$35,000		
Tubing Head & Upper Section				0181-0870	\$30,000
Horizontal Completion Tools	Completion Liner Hanger			0181-0871	\$45,000
Subsurface Equip. & Artificial Lift	Packer			0181-0880	\$10,000
Pumping Unit Systems				0181-0885	
Service Pumps	(1/3) TP/CP/Circ Pump			0181-0886	\$10,700
Storage Tanks	(1/3) 8 - 750 bbl OT/7 - 750 bbl WT/1 - Gun Bbl			0181-0890	\$114,400
Emissions Control Equipment	(1/3) VRTs/VRU/Flare/KOs			0181-0892	\$88,500
Separation / Treating Equipment	(1/3) H Sep/V Sep/HT			0181-0895	\$103,400
Automation Metering Equipment				0181-0898	\$50,000
Line Pipe & Valves - Gathering	(1/3) 1/4 mile Gas & Water			0181-0900	\$16,700
Fittings / Valves & Accessories				0181-0906	\$250,000
Cathodic Protection				0181-0908	\$5,000
Electrical Installation				0181-0909	\$91,700
Equipment Installation				0181-0910	\$83,400
Pipeline Construction	(1/3) 1/4 mile Gas & Water			0181-0920	\$25,000
<b>TOTAL</b>			<b>\$351,700</b>		<b>\$1,156,000</b>
<b>SUBTOTAL</b>			<b>\$2,370,700</b>		<b>\$5,182,900</b>
<b>TOTAL WELL COST</b>			<b>\$7,553,600</b>		

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: Levi Jackson Date: 2/4/2021  
 Company Approval: M. White Date: 2/4/2021

Joint Owner Interest: \_\_\_\_\_ Amount: \_\_\_\_\_  
 Joint Owner Name: \_\_\_\_\_ Signature: \_\_\_\_\_

ATTACHMENT D



# MEWBOURNE OIL COMPANY

## AUTHORIZATION FOR EXPENDITURE

Well Name: LAYLA 35/26 WONC FEE #2H Prospect: Layla 35  
 Location: SL: 225 FSL & 1930 FWL (35); BHL: 330 FNL & 2200 FWL (26) County: Eddy ST: NM  
 Sec. 35 BIK:      Survey:      TWP: 23S RNG: 28E Prop. TVD: 9673 TMD: 19726

INTANGIBLE COSTS 0180		CODE	TCP	CODE	CC
Regulatory Permits & Surveys		0180-0100	\$8,000	0180-0200	
Location / Road / Site / Preparation		0180-0105	\$50,000	0180-0205	\$35,000
Location / Restoration (1/3) Battery Containment		0180-0106	\$200,000	0180-0206	\$25,000
Daywork / Turnkey / Footage Drilling 19 days drlg / 3 days comp @ \$18550/d		0180-0110	\$376,400	0180-0210	\$59,400
Fuel 1700 gal/day @ \$1.6/gal		0180-0114	\$65,200	0180-0214	\$328,000
Alternate Fuels		0180-0115		0180-0215	
Mud, Chemical & Additives		0180-0120	\$70,000	0180-0220	
Mud - Specialized		0180-0121	\$110,000	0180-0221	
Horizontal Drillout Services				0180-0222	\$200,000
Stimulation Toe Preparation				0180-0223	\$30,000
Cementing		0180-0125	\$80,000	0180-0225	\$35,000
Logging & Wireline Services		0180-0130	\$2,300	0180-0230	\$452,000
Casing / Tubing / Snubbing Services		0180-0134	\$18,000	0180-0234	\$40,000
Mud Logging		0180-0137	\$20,000		
Stimulation 83 Stg 25.0 MM gal/ 25.0 MM lb				0180-0241	\$1,751,000
Stimulation Rentals & Other				0180-0242	\$200,000
Water & Other		0180-0145	\$35,000	0180-0245	\$508,000
Bits		0180-0148	\$74,800	0180-0248	\$5,000
Inspection & Repair Services		0180-0150	\$50,000	0180-0250	\$5,000
Misc. Air & Pumping Services		0180-0154		0180-0254	\$10,000
Testing & Flowback Services		0180-0158	\$12,000	0180-0258	\$24,000
Completion / Workover Rlg				0180-0260	\$10,500
Rlg Mobilization		0180-0164	\$80,000		
Transportation		0180-0165	\$30,000	0180-0265	\$20,000
Welding, Construction & Maint. Services		0180-0168	\$4,000	0180-0268	\$15,000
Contract Services & Supervision		0180-0170		0180-0270	\$27,000
Directional Services Includes Vertical Control		0180-0175	\$248,000		
Equipment Rental		0180-0180	\$137,600	0180-0280	\$5,000
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	\$1,000
Damages		0180-0190	\$50,000	0180-0290	
Pipeline Interconnect, ROW Easements		0180-0192		0180-0292	
Company Supervision		0180-0195	\$240,000	0180-0295	\$144,000
Overhead Fixed Rate		0180-0196	\$10,000	0180-0296	\$20,000
Contingencies 2% (TCP) 2% (CC)		0180-0199	\$39,600	0180-0299	\$79,000
<b>TOTAL</b>			<b>\$2,019,000</b>		<b>\$4,026,900</b>

TANGIBLE COSTS 0181		CODE	TCP	CODE	CC
Casing (19.1" - 30")		0181-0793			
Casing (10.1" - 19.0") 500' - 13 3/8" 54.5# J-55 ST&C @ \$32.16/ft		0181-0794	\$17,200		
Casing (8.1" - 10.0") 2550' - 9 5/8" 40# HCL80 LT&C @ \$25.77/ft		0181-0795	\$70,200		
Casing (6.1" - 8.0") 9950' - 7" 29# HCP-110 LT&C @ \$21.47/ft		0181-0796	\$228,200		
Casing (4.1" - 6.0") 10550' - 4 1/2" 13.5# P-110 BPN @ \$13.75/ft				0181-0797	\$154,900
Tubing 9300' - 2 7/8" 6.5# L-80 Tbg @ \$7.82/ft				0181-0798	\$77,700
Drilling Head		0181-0860	\$35,000		
Tubing Head & Upper Section				0181-0870	\$30,000
Horizontal Completion Tools Completion Liner Hanger				0181-0871	\$45,000
Subsurface Equip. & Artificial Lift Packer				0181-0880	\$10,000
Pumping Unit Systems				0181-0885	
Service Pumps (1/3) TP/CP/Circ Pump				0181-0886	\$10,700
Storage Tanks (1/3) 8 - 750 bbl OT/7 - 750 bbl WT/1 - Gun Bbl				0181-0890	\$114,400
Emissions Control Equipment (1/3) VRTs/VRU/Flare/KOs				0181-0892	\$88,500
Separation / Treating Equipment (1/3) H Sep/V Sep/HT				0181-0895	\$103,400
Automation Metering Equipment				0181-0898	\$50,000
Line Pipe & Valves - Gathering (1/3) 1/4 mile Gas & Water				0181-0900	\$16,700
Fittings / Valves & Accessories				0181-0906	\$250,000
Cathodic Protection				0181-0908	\$5,000
Electrical Installation				0181-0909	\$91,700
Equipment Installation				0181-0910	\$83,400
Pipeline Construction (1/3) 1/4 mile Gas & Water				0181-0920	\$25,000
<b>TOTAL</b>			<b>\$360,600</b>		<b>\$1,186,400</b>
<b>SUBTOTAL</b>			<b>\$2,369,600</b>		<b>\$5,183,300</b>

**TOTAL WELL COST \$7,552,900**

**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: Levi Jackson Date: 2/4/2021  
 Company Approval: *M. Whittier* Date: 2/4/2021  
 Joint Owner Interest: \_\_\_\_\_ Amount: \_\_\_\_\_  
 Joint Owner Name: \_\_\_\_\_ Signature: \_\_\_\_\_

# MEWBOURNE OIL COMPANY

## AUTHORIZATION FOR EXPENDITURE

Well Name: <b>LAYLA 35/26 WOMD FEE #1H</b>		Prospect: <b>Layla 35</b>	
Location: <b>SL: 225 FSL &amp; 1870 FWL; BHL: 330 FNL &amp; 440 FWL (26)</b>		County: <b>Eddy</b>	
Sec. <b>35</b>	Blk: <b>    </b>	Survey: <b>    </b>	TWP: <b>23S</b> RNG: <b>28E</b> Prop. TVD: <b>9633</b> TMD: <b>19760</b>

INTANGIBLE COSTS 0180			
	CODE	TCP	CC
Regulatory Permits & Surveys	0180-0100	\$8,000	0180-0200
Location / Road / Site / Preparation	0180-0105	\$50,000	0180-0205
Location / Restoration (1/3) Battery Containment	0180-0106	\$200,000	0180-0206
Daywork / Turnkey / Footage Drilling 19 days drlg / 3 days comp @ \$18550/d	0180-0110	\$376,400	0180-0210
Fuel 1700 gal/day @ \$1.6/gal	0180-0114	\$55,200	0180-0214
Alternate Fuels	0180-0115		0180-0215
Mud, Chemical & Additives	0180-0120	\$70,000	0180-0220
Mud - Specialized	0180-0121	\$110,000	0180-0221
Horizontal Drillout Services			0180-0222
Stimulation Toe Preparation			\$200,000
Cementing			0180-0223
Logging & Wireline Services	0180-0125	\$80,000	0180-0225
Casing / Tubing / Snubbing Services	0180-0130	\$2,300	0180-0230
Mud Logging	0180-0134	\$18,000	0180-0234
Stimulation 83 Stg 25.0 MM gal/ 25.0 MM lb	0180-0137	\$20,000	
Stimulation Rentals & Other			0180-0241
Water & Other			\$1,751,000
Blts	0180-0145	\$35,000	0180-0242
Inspection & Repair Services	0180-0148	\$74,800	\$200,000
Misc. Air & Pumping Services	0180-0150	\$50,000	0180-0245
Testing & Flowback Services	0180-0154		\$506,000
Completion / Workover Rlg	0180-0158	\$12,000	0180-0248
Rlg Mobilization			\$5,000
Transportation	0180-0164	\$80,000	0180-0250
Welding, Construction & Maint. Services	0180-0165	\$30,000	0180-0254
Contract Services & Supervision	0180-0168	\$4,000	0180-0258
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Well / Lease Insurance	0180-0184	\$5,000	0180-0285
Intangible Supplies	0180-0185	\$5,100	0180-0288
Damages	0180-0188	\$8,000	0180-0289
Pipeline Interconnect, ROW Easements	0180-0189	\$50,000	0180-0290
Company Supervision	0180-0192		0180-0292
Overhead Fixed Rate	0180-0195	\$240,000	0180-0295
Contingencies 2% (TCP) 2% (CC)	0180-0196	\$10,000	0180-0296
	0180-0199	\$39,600	0180-0299
<b>TOTAL</b>		<b>\$2,019,000</b>	<b>\$4,026,900</b>

TANGIBLE COSTS 0181			
	CODE	TCP	CC
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Casing (6.1" - 8.0") 10000' - 7" 29# HCP-110 LT&C @ \$21.47/ft.	0181-0796	\$229,300	
Casing (4.1" - 6.0") 10550' - 4 1/2" 13.5# P-110 BPN @ \$13.75/ft.			0181-0797
Tubing 9300' - 2 7/8" 6.5# L-80 Tbg @ \$7.82/ft.			\$154,900
Drilling Head	0181-0860	\$35,000	0181-0798
Tubing Head & Upper Section			\$77,700
Horizontal Completion Tools Completion Liner Hanger			0181-0870
Subsurface Equip. & Artificial Lift Packer			\$30,000
Pumping Unit Systems			0181-0871
Service Pumps (1/3) TP/CP/Circ Pump			\$45,000
Storage Tanks (1/3) 8 - 750 bbl OT/7 - 750 bbl WT/1 - Gun Bbl			0181-0880
Emissions Control Equipment (1/3) VRTs/VRU/Flare/KOs			\$10,000
Separation / Treating Equipment (1/3) H Sep/V Sep/HT			0181-0885
Automation Metering Equipment			\$10,700
Line Pipe & Valves - Gathering (1/3) 1/4 mile Gas & Water			0181-0886
Fittings / Valves & Accessories			0181-0888
Cathodic Protection			\$114,400
Electrical Installation			0181-0892
Equipment Installation			\$88,500
Pipeline Construction (1/3) 1/4 mile Gas & Water			0181-0895
			\$103,400
			0181-0898
			\$50,000
			0181-0900
			\$16,700
			0181-0906
			\$250,000
			0181-0908
			\$5,000
			0181-0909
			\$91,700
			0181-0910
			\$83,400
			0181-0920
			\$25,000
<b>TOTAL</b>		<b>\$361,700</b>	<b>\$1,156,400</b>
<b>SUBTOTAL</b>		<b>\$2,370,700</b>	<b>\$5,183,300</b>

**TOTAL WELL COST \$7,554,000**

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: Levi Jackson Date: 2/4/2021

Company Approval: *M. Whittier* Date: 2/4/2021

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

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

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

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

Case No. 21770

VERIFIED STATEMENT OF TYLER HILL

COUNTY OF MIDLAND            )  
  ) ss.  
STATE OF TEXAS                )

Tyler Hill, being duly sworn upon his oath, deposes and states:

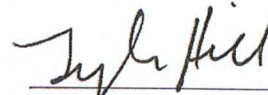
1. I am over the age of 18, and have personal knowledge of the matters stated herein.
2. I am a geologist for Mewbourne Oil Company ("Mewbourne"), and I am familiar with the geological matters involved in this case. I have been qualified by the Division as an expert petroleum geologist.
3. The following geological plats are attached hereto:
  - (a) Attachment A is a structure map of the Wolfcamp formation, mapped on the top of the correlative Wolfcamp marker. It shows that structure dips to the east, and that the planned wellbores would drill perpendicular to strike. It also shows a line of cross-section, A-A'.
  - (b) Attachment B is a south-north cross section. The well logs on the cross-section give a representative sample of the Wolfcamp formation in this area. The target zone for the wells is the Upper Wolfcamp Sand, and that zone is continuous across the well unit.
4. I conclude from the maps that:
  - (a) The horizontal spacing unit is justified from a geologic standpoint.
  - (b) Each quarter section in the unit will contribute more or less equally to production.
  - (c) There is no faulting or other geologic impediment in the area which will affect the drilling of the subject wells.

EXHIBIT

3

5. Attachment C contains information from other wells drilled in the immediate area. There are numerous upper Wolfcamp sand wells, and the preferred orientation is for laydown units. The completed wells in the area are commercial.


6. Attachment D is the Survey Calculation Report for wells: Layla 35/26 W0MD Fee #1H, Layla 35/26 W0NC Fee #1H, and Layla 35/26 W0NC Fee #2H. The producing interval of the proposed well will be orthodox. The Pool code is Purple Sage Wolfcamp (98220).

  
Tyler Hill

VERIFICATION

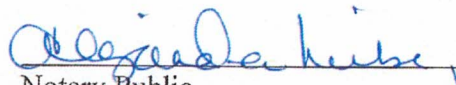
STATE OF TEXAS                    )  
  ) ss.  
COUNTY OF MIDLAND            )

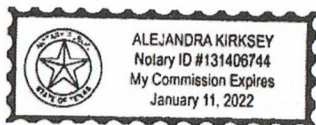
Tyler Hill, being duly sworn upon his oath, deposes and states that: He is a geologist for Mewbourne Oil Company; he is authorized to make this verification on its behalf; he has read the foregoing statement, and knows the contents thereof; and the same is true and correct to the best of his knowledge,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

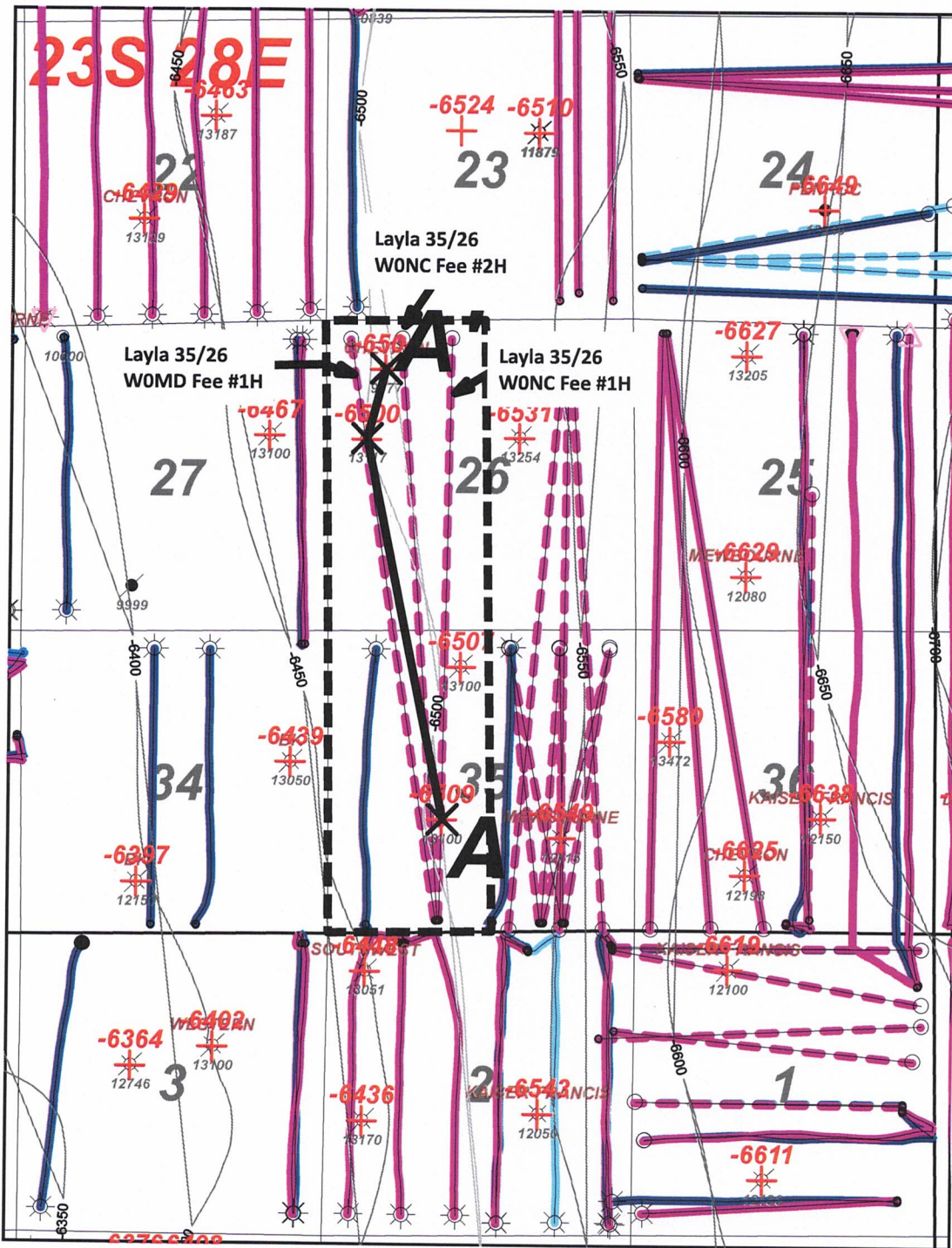
  
\_\_\_\_\_  
Tyler Hill

SUBSCRIBED AND SWORN TO before me this 23rd day of March, 2021 by Tyler Hill.

My Commission Expires: January 11, 2022

  
\_\_\_\_\_  
Notary Public



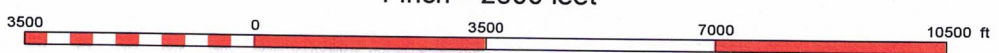


ATTACHMENT A

- Horizontal Activity
- Wolfcamp Sand
  - Wolfcamp A Shale
  - Wolfcamp D Shale



1 inch = 2800 feet

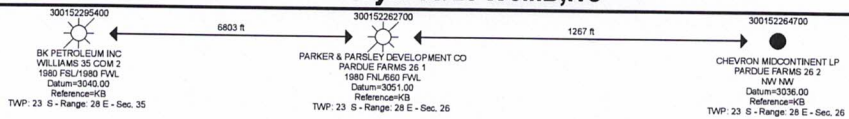


<b>MOC Mewbourne Oil Company</b>		
<i>Layla 35/26 W0NC Fee 1H</i> <i>Layla 35/26 W0NC Fee 2H</i> <i>Layla 35/26 W0MD Fee 1H</i> <i>Structure top WFMP (C.I. 50')</i>		
Author: T. Hill	County: Eddy	Date: 22 March, 2021
Scale: 1.0"=2800'		

# Layla 35/26 W0MD, NC

A

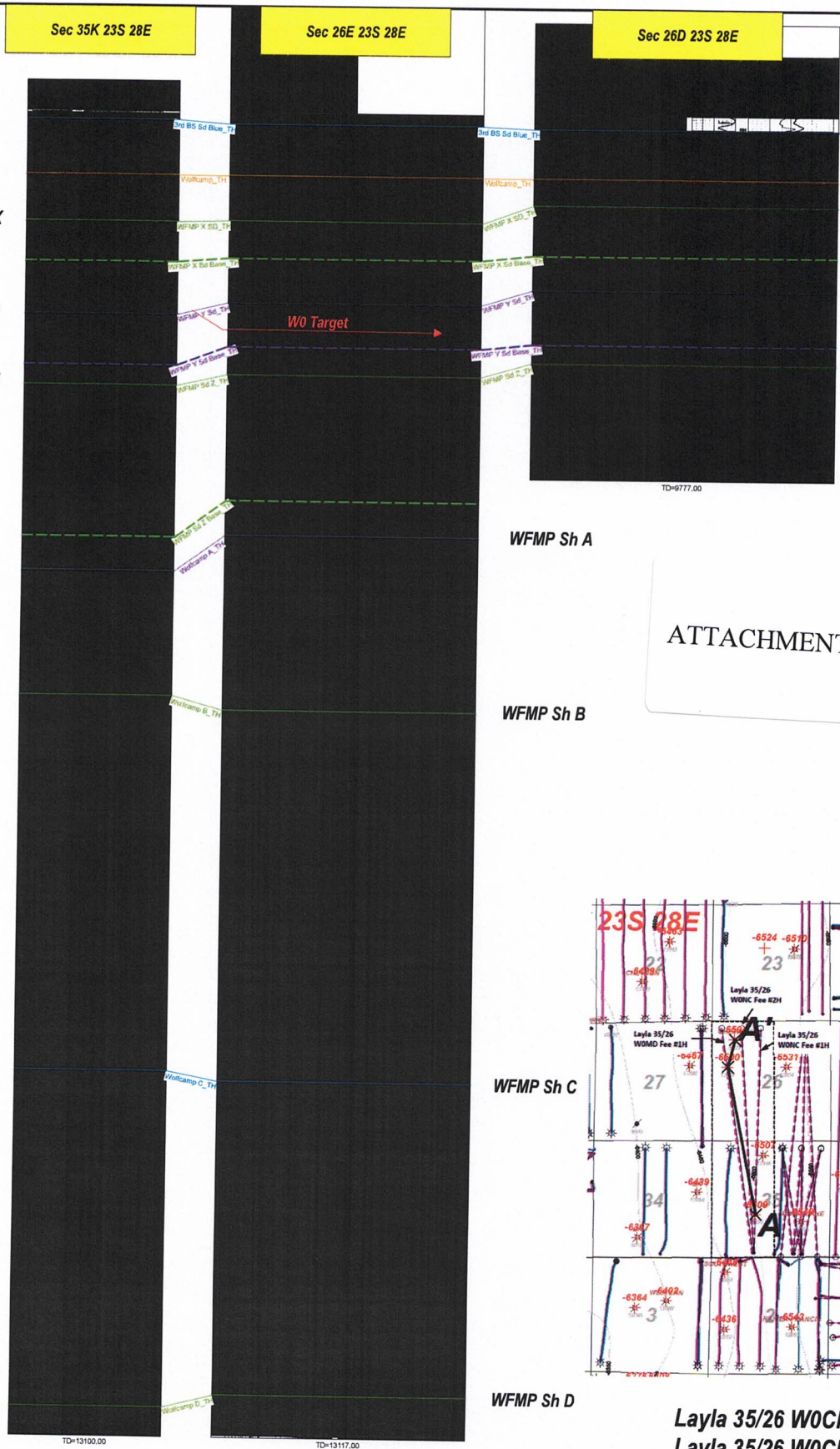
A'



BK PETROLEUM INC  
WILLIAMS 35 COM 2  
1980 FSL1980 FVL  
Datum=3046.00  
Reference=KB  
TWP: 23 S - Range: 28 E - Sec. 25

PARKER & PARSLEY DEVELOPMENT CO  
PARQUE FARMS 26 1  
1980 FNL863 FVL  
Datum=3051.00  
Reference=KB  
TWP: 23 S - Range: 28 E - Sec. 26

CHEVRON MIDCONTINENT LP  
PARQUE FARMS 26 2  
NW NW  
Datum=3036.00  
Reference=KB  
TWP: 23 S - Range: 28 E - Sec. 26

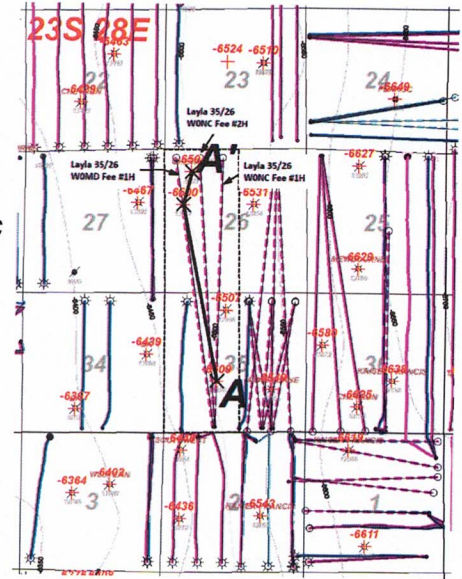


TD=0777.00

TD=13100.00

TD=13117.00

ATTACHMENT **B**



Layla 35/26 W0CN Fee 1H  
Layla 35/26 W0CN Fee 2H  
Layla 35/26 W0MD Fee 1H

-500

-500

-1000

-1000

Layla Area Wolfcamp Production Table										
API	Lease Name	Well Num	Operator Name	Surface Location	Field Name	Oil Cum (Mbo)	Gas Cum (Bcf)	Wtr Cum	First Prod Date	WFMP Zone
300154381700	B BANKER 33 23S 28E RB	226H	MATADOR	33H/23S/28E	PURPLE SAGE	293	0.76	1185	2016-08-01	WFMP Y Sand
300154349500	LOVING TOWNSITE 21 WOPA FEE	2H	MEWBOURNE	28A/23S/28E	PURPLE SAGE	386	0.96	1216	2017-06-01	WFMP Y Sand
300154402500	CHARLIE SWEENEY FEDERAL COM	208H	MATADOR	31P/23S/28E	PURPLE SAGE	225	0.61	899	2018-02-01	WFMP Y Sand
300154408800	EL TORO INVICTA 14	301H	CHEVRON	14M/23S/28E	PURPLE SAGE	302	0.59	1065	2017-10-01	WFMP Y Sand
300154411500	SPEEDWAGON 27 WOPA FEE	2H	MEWBOURNE	34A/23S/28E	PURPLE SAGE	477	0.90	1116	2018-02-01	WFMP Y Sand
300154413800	B BANKER 33 23S 28E RB	201H	MATADOR	33A/23S/28E	PURPLE SAGE	275	0.80	1075	2017-07-01	WFMP Y Sand
300154428500	NIGHT RANGER 28 WOAP FEE	2H	MEWBOURNE	28A/23S/28E	PURPLE SAGE	261	0.58	745	2018-12-01	WFMP Y Sand
300154433900	OGDEN 20509 32 29 FEDERAL COM	5H	BTA	32F/23S/28E	PURPLE SAGE	213	0.64	867	2019-07-01	WFMP Y Sand
300154434000	OGDEN 20509 32 29 FEDERAL COM	6H	BTA	32E/23S/28E	PURPLE SAGE	219	0.71	886	2019-07-01	WFMP Y Sand
300154455900	WHITESNAKE 20 21 WOBC FEE	2H	MEWBOURNE	20C/23S/28E	PURPLE SAGE	264	0.68	1071	2018-07-01	WFMP Y Sand
300154456000	ZEPPELIN 32 WOLI STATE COM	1H	MEWBOURNE	32L/23S/28E	PURPLE SAGE	289	0.81	906	2018-07-01	WFMP Y Sand
300154456600	MARINER FEE 23 28 20 WA	14H	MARATHON	20N/23S/28E	PURPLE SAGE	134	0.45	526	2019-05-01	WFMP Z Sand
300154456700	MARINER FEE 23 28 20 WXY	11H	MARATHON	20N/23S/28E	PURPLE SAGE	80	0.25	431	2019-05-01	WFMP Y Sand
300154456800	MARINER FEE 23 28 20 WXY	18H	MARATHON	20N/23S/28E	PURPLE SAGE	145	0.45	556	2019-05-01	WFMP Y Sand
300154460700	HERMES FEE 23 28 30 WA	10H	MARATHON	30P/23S/28E	PURPLE SAGE	99	0.46	377	2018-10-01	WFMP Z Sand
300154475000	OGDEN 20509 29 32	2H	BTA	29B/23S/28E	PURPLE SAGE	312	0.72	1144	2019-01-01	WFMP Y Sand
300154505200	OGDEN 20509 29 32 FEDERAL COM	3H	BTA	29B/23S/28E	PURPLE SAGE	291	0.73	1259	2019-01-01	WFMP Y Sand
300154537700	ZEPPELIN 32 WOMP STATE COM	2H	MEWBOURNE	32M/23S/28E	PURPLE SAGE	108	0.45	518	2019-09-01	WFMP Y Sand
300154537800	ZEPPELIN 32 WOLI STATE COM	3H	MEWBOURNE	32M/23S/28E	PURPLE SAGE	130	0.44	628	2019-09-01	WFMP Z Sand

ATTACHMENT C



# Mewbourne Oil Company

## Layla 35.26 W0MD Fee 1H

### SURVEY CALCULATION REPORT

#### Minimum Curvature Calculations

Operator:	Mewbourne Oil Company	Target KBTVD:	9,613	Feet	9613.00
Lease Name:	Layla 35 W0MD Fee 1H	Target Angle:	89.88	Degrees	89.88
KOP	9135.54	Section Plane:	351.78	Degrees	
		Declination Corrected to True North:	6.63	Degrees	
		Bit to Survey Offset:	44	Feet	

Survey No.	Measured Depth-ft	Drift (Deg.)	Azimuth (Deg.)	Course Length	TVD (Feet)	Vertical Section	+N/-S (Feet)	+E/-W (Feet)	Closure Distance	Closure Direction	BUR	DLS	KBTVD	+Above -Below Target	DRIFT RADIANS
T/I	9135.54	0.00	351.78	N/A	9135.5	0.0	0.0	0.0	0.0	0.0	N/A	N/A	9135.5	477.5	1E-12
1	9210.44	8.99	351.78	74.903	9210.1	5.9	5.8	-0.8	5.9	351.8	12.0	12.0	9210.1	402.9	0.15688
2	9285.34	17.98	351.78	74.903	9282.9	23.3	23.1	-3.3	23.3	351.8	12.0	12.0	9282.8	330.2	0.31375
3	9360.24	26.96	351.78	74.903	9352.0	51.9	51.4	-7.4	51.9	351.8	12.0	12.0	9351.9	261.1	0.47063
4	9435.15	35.95	351.78	74.903	9415.9	91.0	90.0	-13.0	91.0	351.8	12.0	12.0	9415.7	197.3	0.6275
5	9510.05	44.94	351.78	74.903	9472.8	139.5	138.1	-19.9	139.5	351.8	12.0	12.0	9472.5	140.5	0.78438
6	9584.95	53.93	351.78	74.903	9521.5	196.3	194.3	-28.1	196.3	351.8	12.0	12.0	9521.1	91.9	0.94125
7	9659.85	62.92	351.78	74.903	9560.6	260.1	257.4	-37.2	260.1	351.8	12.0	12.0	9560.1	52.9	1.09813
8	9734.76	71.91	351.78	74.903	9589.4	329.2	325.8	-47.1	329.2	351.8	12.0	12.0	9588.7	24.3	1.25501
9	9809.66	80.89	351.78	74.903	9607.0	401.9	397.8	-57.5	401.9	351.8	12.0	12.0	9606.2	6.8	1.41188
10	9884.56	89.88	351.78	74.903	9613.0	476.5	471.6	-68.1	476.5	351.8	12.0	12.0	9612.0	1.0	1.56876
11	9900.00	89.88	351.78	15.439	9613.0	491.9	486.9	-70.3	491.9	351.8	0.0	0.0	9612.0	1.0	1.56876
12	10000.00	89.88	351.78	100	9613.2	591.9	585.8	-84.6	591.9	351.8	0.0	0.0	9612.0	1.0	1.56876
13	10100.00	89.88	351.78	100	9613.4	691.9	684.8	-98.9	691.9	351.8	0.0	0.0	9612.0	1.0	1.56876
14	10200.00	89.88	351.78	100	9613.6	791.9	783.8	-113.2	791.9	351.8	0.0	0.0	9612.0	1.0	1.56876
15	10300.00	89.88	351.78	100	9613.8	891.9	882.8	-127.5	891.9	351.8	0.0	0.0	9612.0	1.0	1.56876
16	10400.00	89.88	351.78	100	9614.1	991.9	981.7	-141.8	991.9	351.8	0.0	0.0	9612.0	1.0	1.56876
17	10500.00	89.88	351.78	100	9614.3	1091.9	1080.7	-156.1	1091.9	351.8	0.0	0.0	9612.0	1.0	1.56876
18	10600.00	89.88	351.78	100	9614.5	1191.9	1179.7	-170.4	1191.9	351.8	0.0	0.0	9612.0	1.0	1.56876
19	10700.00	89.88	351.78	100	9614.7	1291.9	1278.7	-184.7	1291.9	351.8	0.0	0.0	9612.0	1.0	1.56876
20	10800.00	89.88	351.78	100	9614.9	1391.9	1377.6	-199.0	1391.9	351.8	0.0	0.0	9612.0	1.0	1.56876
21	10900.00	89.88	351.78	100	9615.1	1491.9	1476.6	-213.3	1491.9	351.8	0.0	0.0	9612.0	1.0	1.56876
22	11000.00	89.88	351.78	100	9615.3	1591.9	1575.6	-227.6	1591.9	351.8	0.0	0.0	9612.0	1.0	1.56876
23	11100.00	89.88	351.78	100	9615.5	1691.9	1674.5	-241.9	1691.9	351.8	0.0	0.0	9612.0	1.0	1.56876
24	11200.00	89.88	351.78	100	9615.7	1791.9	1773.5	-256.2	1791.9	351.8	0.0	0.0	9612.0	1.0	1.56876
25	11300.00	89.88	351.78	100	9615.9	1891.9	1872.5	-270.5	1891.9	351.8	0.0	0.0	9612.0	1.0	1.56876
26	11400.00	89.88	351.78	100	9616.1	1991.9	1971.5	-284.8	1991.9	351.8	0.0	0.0	9612.0	1.0	1.56876
27	11500.00	89.88	351.78	100	9616.3	2091.9	2070.4	-299.1	2091.9	351.8	0.0	0.0	9612.0	1.0	1.56876
28	11600.00	89.88	351.78	100	9616.5	2191.9	2169.4	-313.3	2191.9	351.8	0.0	0.0	9612.0	1.0	1.56876
29	11700.00	89.88	351.78	100	9616.7	2291.9	2268.4	-327.6	2291.9	351.8	0.0	0.0	9612.0	1.0	1.56876
30	11800.00	89.88	351.78	100	9616.9	2391.9	2367.4	-341.9	2391.9	351.8	0.0	0.0	9612.0	1.0	1.56876
31	11900.00	89.88	351.78	100	9617.1	2491.9	2466.3	-356.2	2491.9	351.8	0.0	0.0	9612.0	1.0	1.56876
32	12000.00	89.88	351.78	100	9617.3	2591.9	2565.3	-370.5	2591.9	351.8	0.0	0.0	9612.0	1.0	1.56876
33	12100.00	89.88	351.78	100	9617.5	2691.9	2664.3	-384.8	2691.9	351.8	0.0	0.0	9612.0	1.0	1.56876
34	12200.00	89.88	351.78	100	9617.7	2791.9	2763.2	-399.1	2791.9	351.8	0.0	0.0	9612.0	1.0	1.56876
35	12300.00	89.88	351.78	100	9617.9	2891.9	2862.2	-413.4	2891.9	351.8	0.0	0.0	9612.0	1.0	1.56876
36	12400.00	89.88	351.78	100	9618.1	2991.9	2961.2	-427.7	2991.9	351.8	0.0	0.0	9612.0	1.0	1.56876
37	12500.00	89.88	351.78	100	9618.3	3091.9	3060.2	-442.0	3091.9	351.8	0.0	0.0	9612.0	1.0	1.56876
38	12600.00	89.88	351.78	100	9618.5	3191.9	3159.1	-456.3	3191.9	351.8	0.0	0.0	9612.0	1.0	1.56876
39	12700.00	89.88	351.78	100	9618.7	3291.9	3258.1	-470.6	3291.9	351.8	0.0	0.0	9612.0	1.0	1.56876
40	12800.00	89.88	351.78	100	9618.9	3391.9	3357.1	-484.9	3391.9	351.8	0.0	0.0	9612.0	1.0	1.56876
41	12900.00	89.88	351.78	100	9619.1	3491.9	3456.1	-499.2	3491.9	351.8	0.0	0.0	9612.0	1.0	1.56876
42	13000.00	89.88	351.78	100	9619.3	3591.9	3555.0	-513.5	3591.9	351.8	0.0	0.0	9612.0	1.0	1.56876
43	13100.00	89.88	351.78	100	9619.5	3691.9	3654.0	-527.8	3691.9	351.8	0.0	0.0	9612.0	1.0	1.56876
44	13200.00	89.88	351.78	100	9619.7	3791.9	3753.0	-542.1	3791.9	351.8	0.0	0.0	9612.0	1.0	1.56876
45	13300.00	89.88	351.78	100	9620.0	3891.9	3851.9	-556.4	3891.9	351.8	0.0	0.0	9612.0	1.0	1.56876
46	13400.00	89.88	351.78	100	9620.2	3991.9	3950.9	-570.7	3991.9	351.8	0.0	0.0	9612.0	1.0	1.56876
47	13500.00	89.88	351.78	100	9620.4	4091.9	4049.9	-585.0	4091.9	351.8	0.0	0.0	9612.0	1.0	1.56876
48	13600.00	89.88	351.78	100	9620.6	4191.9	4148.9	-599.3	4191.9	351.8	0.0	0.0	9612.0	1.0	1.56876
49	13700.00	89.88	351.78	100	9620.8	4291.9	4247.8	-613.6	4291.9	351.8	0.0	0.0	9612.0	1.0	1.56876
50	13800.00	89.88	351.78	100	9621.0	4391.9	4346.8	-627.9	4391.9	351.8	0.0	0.0	9612.0	1.0	1.56876
51	13900.00	89.88	351.78	100	9621.2	4491.9	4445.8	-642.1	4491.9	351.8	0.0	0.0	9612.0	1.0	1.56876
52	14000.00	89.88	351.78	100	9621.4	4591.9	4544.8	-656.4	4591.9	351.8	0.0	0.0	9612.0	1.0	1.56876
53	14100.00	89.88	351.78	100	9621.6	4691.9	4643.7	-670.7	4691.9	351.8	0.0	0.0	9612.0	1.0	1.56876
54	14200.00	89.88	351.78	100	9621.8	4791.9	4742.7	-685.0	4791.9	351.8	0.0	0.0	9612.0	1.0	1.56876
55	14300.00	89.88	351.78	100	9622.0	4891.9	4841.7	-699.3	4891.9	351.8	0.0	0.0	9612.0	1.0	1.56876

ATTACHMENT D

56	14400.00	89.88	351.78	100	9622.2	4991.9	4940.6	-713.6	4991.9	351.8	0.0	0.0	9612.0	1.0	1.56876
57	14500.00	89.88	351.78	100	9622.4	5091.9	5039.6	-727.9	5091.9	351.8	0.0	0.0	9612.0	1.0	1.56876
58	14600.00	89.88	351.78	100	9622.6	5191.9	5138.6	-742.2	5191.9	351.8	0.0	0.0	9612.0	1.0	1.56876
59	14700.00	89.88	351.78	100	9622.8	5291.9	5237.6	-756.5	5291.9	351.8	0.0	0.0	9612.0	1.0	1.56876
60	14800.00	89.88	351.78	100	9623.0	5391.9	5336.5	-770.8	5391.9	351.8	0.0	0.0	9612.0	1.0	1.56876
61	14900.00	89.88	351.78	100	9623.2	5491.9	5435.5	-785.1	5491.9	351.8	0.0	0.0	9612.0	1.0	1.56876
62	15000.00	89.88	351.78	100	9623.4	5591.9	5534.5	-799.4	5591.9	351.8	0.0	0.0	9612.0	1.0	1.56876
63	15100.00	89.88	351.78	100	9623.6	5691.9	5633.5	-813.7	5691.9	351.8	0.0	0.0	9612.0	1.0	1.56876
64	15200.00	89.88	351.78	100	9623.8	5791.9	5732.4	-828.0	5791.9	351.8	0.0	0.0	9612.0	1.0	1.56876
65	15300.00	89.88	351.78	100	9624.0	5891.9	5831.4	-842.3	5891.9	351.8	0.0	0.0	9612.0	1.0	1.56876
66	15400.00	89.88	351.78	100	9624.2	5991.9	5930.4	-856.6	5991.9	351.8	0.0	0.0	9612.0	1.0	1.56876
67	15500.00	89.88	351.78	100	9624.5	6091.9	6029.3	-870.9	6091.9	351.8	0.0	0.0	9612.0	1.0	1.56876
68	15600.00	89.88	351.78	100	9624.7	6191.9	6128.3	-885.2	6191.9	351.8	0.0	0.0	9612.0	1.0	1.56876
69	15700.00	89.88	351.78	100	9624.9	6291.9	6227.3	-899.5	6291.9	351.8	0.0	0.0	9612.0	1.0	1.56876
70	15800.00	89.88	351.78	100	9625.1	6391.9	6326.3	-913.8	6391.9	351.8	0.0	0.0	9612.0	1.0	1.56876
71	15900.00	89.88	351.78	100	9625.3	6491.9	6425.2	-928.1	6491.9	351.8	0.0	0.0	9612.0	1.0	1.56876
72	16000.00	89.88	351.78	100	9625.5	6591.9	6524.2	-942.4	6591.9	351.8	0.0	0.0	9612.0	1.0	1.56876
73	16100.00	89.88	351.78	100	9625.7	6691.9	6623.2	-956.7	6691.9	351.8	0.0	0.0	9612.0	1.0	1.56876
74	16200.00	89.88	351.78	100	9625.9	6791.9	6722.2	-970.9	6791.9	351.8	0.0	0.0	9612.0	1.0	1.56876
75	16300.00	89.88	351.78	100	9626.1	6891.9	6821.1	-985.2	6891.9	351.8	0.0	0.0	9612.0	1.0	1.56876
76	16400.00	89.88	351.78	100	9626.3	6991.9	6920.1	-999.5	6991.9	351.8	0.0	0.0	9612.0	1.0	1.56876
77	16500.00	89.88	351.78	100	9626.5	7091.9	7019.1	-1013.8	7091.9	351.8	0.0	0.0	9612.0	1.0	1.56876
78	16600.00	89.88	351.78	100	9626.7	7191.9	7118.0	-1028.1	7191.9	351.8	0.0	0.0	9612.0	1.0	1.56876
79	16700.00	89.88	351.78	100	9626.9	7291.9	7217.0	-1042.4	7291.9	351.8	0.0	0.0	9612.0	1.0	1.56876
80	16800.00	89.88	351.78	100	9627.1	7391.9	7316.0	-1056.7	7391.9	351.8	0.0	0.0	9612.0	1.0	1.56876
81	16900.00	89.88	351.78	100	9627.3	7491.9	7415.0	-1071.0	7491.9	351.8	0.0	0.0	9612.0	1.0	1.56876
82	17000.00	89.88	351.78	100	9627.5	7591.9	7513.9	-1085.3	7591.9	351.8	0.0	0.0	9612.0	1.0	1.56876
83	17100.00	89.88	351.78	100	9627.7	7691.9	7612.9	-1099.6	7691.9	351.8	0.0	0.0	9612.0	1.0	1.56876
84	17200.00	89.88	351.78	100	9627.9	7791.9	7711.9	-1113.9	7791.9	351.8	0.0	0.0	9612.0	1.0	1.56876
85	17300.00	89.88	351.78	100	9628.1	7891.9	7810.9	-1128.2	7891.9	351.8	0.0	0.0	9612.0	1.0	1.56876
86	17400.00	89.88	351.78	100	9628.3	7991.9	7909.8	-1142.5	7991.9	351.8	0.0	0.0	9612.0	1.0	1.56876
87	17500.00	89.88	351.78	100	9628.5	8091.9	8008.8	-1156.8	8091.9	351.8	0.0	0.0	9612.0	1.0	1.56876
88	17600.00	89.88	351.78	100	9628.7	8191.9	8107.8	-1171.1	8191.9	351.8	0.0	0.0	9612.0	1.0	1.56876
89	17700.00	89.88	351.78	100	9628.9	8291.9	8206.7	-1185.4	8291.9	351.8	0.0	0.0	9612.0	1.0	1.56876
90	17800.00	89.88	351.78	100	9629.1	8391.9	8305.7	-1199.7	8391.9	351.8	0.0	0.0	9612.0	1.0	1.56876
91	17900.00	89.88	351.78	100	9629.3	8491.9	8404.7	-1214.0	8491.9	351.8	0.0	0.0	9612.0	1.0	1.56876
92	18000.00	89.88	351.78	100	9629.5	8591.9	8503.7	-1228.3	8591.9	351.8	0.0	0.0	9612.0	1.0	1.56876
93	18100.00	89.88	351.78	100	9629.8	8691.9	8602.6	-1242.6	8691.9	351.8	0.0	0.0	9612.0	1.0	1.56876
94	18200.00	89.88	351.78	100	9630.0	8791.9	8701.6	-1256.9	8791.9	351.8	0.0	0.0	9612.0	1.0	1.56876
95	18300.00	89.88	351.78	100	9630.2	8891.9	8800.6	-1271.2	8891.9	351.8	0.0	0.0	9612.0	1.0	1.56876
96	18400.00	89.88	351.78	100	9630.4	8991.9	8899.6	-1285.5	8991.9	351.8	0.0	0.0	9612.0	1.0	1.56876
97	18500.00	89.88	351.78	100	9630.6	9091.9	8998.5	-1299.7	9091.9	351.8	0.0	0.0	9612.0	1.0	1.56876
98	18600.00	89.88	351.78	100	9630.8	9191.9	9097.5	-1314.0	9191.9	351.8	0.0	0.0	9612.0	1.0	1.56876
99	18700.00	89.88	351.78	100	9631.0	9291.9	9196.5	-1328.3	9291.9	351.8	0.0	0.0	9612.0	1.0	1.56876
100	18800.00	89.88	351.78	100	9631.2	9391.9	9295.4	-1342.6	9391.9	351.8	0.0	0.0	9612.0	1.0	1.56876
101	18900.00	89.88	351.78	100	9631.4	9491.9	9394.4	-1356.9	9491.9	351.8	0.0	0.0	9612.0	1.0	1.56876
102	19000.00	89.88	351.78	100	9631.6	9591.9	9493.4	-1371.2	9591.9	351.8	0.0	0.0	9612.0	1.0	1.56876
103	19100.00	89.88	351.78	100	9631.8	9691.9	9592.4	-1385.5	9691.9	351.8	0.0	0.0	9612.0	1.0	1.56876
104	19200.00	89.88	351.78	100	9632.0	9791.9	9691.3	-1399.8	9791.9	351.8	0.0	0.0	9612.0	1.0	1.56876
105	19300.00	89.88	351.78	100	9632.2	9891.9	9790.3	-1414.1	9891.9	351.8	0.0	0.0	9612.0	1.0	1.56876
106	19400.00	89.88	351.78	100	9632.4	9991.9	9889.3	-1428.4	9991.9	351.8	0.0	0.0	9612.0	1.0	1.56876
107	19500.00	89.88	351.78	100	9632.6	10091.9	9988.3	-1442.7	10091.9	351.8	0.0	0.0	9612.0	1.0	1.56876
108	19600.00	89.88	351.78	100	9632.8	10191.9	10087.2	-1457.0	10191.9	351.8	0.0	0.0	9612.0	1.0	1.56876
109	19692.60	89.88	351.78	92.603	9633.0	10284.5	10178.9	-1470.2	10284.5	351.8	0.0	0.0	9612.0	1.0	1.56876



56	14500.00	89.88	356.59	100	9642.5	5071.9	5063.0	-301.3	5071.9	356.6	0.0	0.0	9632.0	1.0	1.56874
57	14600.00	89.88	356.59	100	9642.7	5171.9	5162.8	-307.3	5171.9	356.6	0.0	0.0	9632.0	1.0	1.56874
58	14700.00	89.88	356.59	100	9642.9	5271.9	5262.6	-313.2	5271.9	356.6	0.0	0.0	9632.0	1.0	1.56874
59	14800.00	89.88	356.59	100	9643.1	5371.9	5362.4	-319.1	5371.9	356.6	0.0	0.0	9632.0	1.0	1.56874
60	14900.00	89.88	356.59	100	9643.3	5471.9	5462.3	-325.1	5471.9	356.6	0.0	0.0	9632.0	1.0	1.56874
61	15000.00	89.88	356.59	100	9643.5	5571.9	5562.1	-331.0	5571.9	356.6	0.0	0.0	9632.0	1.0	1.56874
62	15100.00	89.88	356.59	100	9643.7	5671.9	5661.9	-337.0	5671.9	356.6	0.0	0.0	9632.0	1.0	1.56874
63	15200.00	89.88	356.59	100	9643.9	5771.9	5761.7	-342.9	5771.9	356.6	0.0	0.0	9632.0	1.0	1.56874
64	15300.00	89.88	356.59	100	9644.1	5871.9	5861.5	-348.9	5871.9	356.6	0.0	0.0	9632.0	1.0	1.56874
65	15400.00	89.88	356.59	100	9644.3	5971.9	5961.4	-354.8	5971.9	356.6	0.0	0.0	9632.0	1.0	1.56874
66	15500.00	89.88	356.59	100	9644.5	6071.9	6061.2	-360.7	6071.9	356.6	0.0	0.0	9632.0	1.0	1.56874
67	15600.00	89.88	356.59	100	9644.7	6171.9	6161.0	-366.7	6171.9	356.6	0.0	0.0	9632.0	1.0	1.56874
68	15700.00	89.88	356.59	100	9644.9	6271.9	6260.8	-372.6	6271.9	356.6	0.0	0.0	9632.0	1.0	1.56874
69	15800.00	89.88	356.59	100	9645.1	6371.9	6360.7	-378.6	6371.9	356.6	0.0	0.0	9632.0	1.0	1.56874
70	15900.00	89.88	356.59	100	9645.3	6471.9	6460.5	-384.5	6471.9	356.6	0.0	0.0	9632.0	1.0	1.56874
71	16000.00	89.88	356.59	100	9645.5	6571.9	6560.3	-390.4	6571.9	356.6	0.0	0.0	9632.0	1.0	1.56874
72	16100.00	89.88	356.59	100	9645.7	6671.9	6660.1	-396.4	6671.9	356.6	0.0	0.0	9632.0	1.0	1.56874
73	16200.00	89.88	356.59	100	9645.9	6771.9	6760.0	-402.3	6771.9	356.6	0.0	0.0	9632.0	1.0	1.56874
74	16300.00	89.88	356.59	100	9646.2	6871.9	6859.8	-408.3	6871.9	356.6	0.0	0.0	9632.0	1.0	1.56874
75	16400.00	89.88	356.59	100	9646.4	6971.9	6959.6	-414.2	6971.9	356.6	0.0	0.0	9632.0	1.0	1.56874
76	16500.00	89.88	356.59	100	9646.6	7071.9	7059.4	-420.1	7071.9	356.6	0.0	0.0	9632.0	1.0	1.56874
77	16600.00	89.88	356.59	100	9646.8	7171.9	7159.2	-426.1	7171.9	356.6	0.0	0.0	9632.0	1.0	1.56874
78	16700.00	89.88	356.59	100	9647.0	7271.9	7259.1	-432.0	7271.9	356.6	0.0	0.0	9632.0	1.0	1.56874
79	16800.00	89.88	356.59	100	9647.2	7371.9	7358.9	-438.0	7371.9	356.6	0.0	0.0	9632.0	1.0	1.56874
80	16900.00	89.88	356.59	100	9647.4	7471.9	7458.7	-443.9	7471.9	356.6	0.0	0.0	9632.0	1.0	1.56874
81	17000.00	89.88	356.59	100	9647.6	7571.9	7558.5	-449.8	7571.9	356.6	0.0	0.0	9632.0	1.0	1.56874
82	17100.00	89.88	356.59	100	9647.8	7671.9	7658.4	-455.8	7671.9	356.6	0.0	0.0	9632.0	1.0	1.56874
83	17200.00	89.88	356.59	100	9648.0	7771.9	7758.2	-461.7	7771.9	356.6	0.0	0.0	9632.0	1.0	1.56874
84	17300.00	89.88	356.59	100	9648.2	7871.9	7858.0	-467.7	7871.9	356.6	0.0	0.0	9632.0	1.0	1.56874
85	17400.00	89.88	356.59	100	9648.4	7971.9	7957.8	-473.6	7971.9	356.6	0.0	0.0	9632.0	1.0	1.56874
86	17500.00	89.88	356.59	100	9648.6	8071.9	8057.7	-479.6	8071.9	356.6	0.0	0.0	9632.0	1.0	1.56874
87	17600.00	89.88	356.59	100	9648.8	8171.9	8157.5	-485.5	8171.9	356.6	0.0	0.0	9632.0	1.0	1.56874
88	17700.00	89.88	356.59	100	9649.0	8271.9	8257.3	-491.4	8271.9	356.6	0.0	0.0	9632.0	1.0	1.56874
89	17800.00	89.88	356.59	100	9649.2	8371.9	8357.1	-497.4	8371.9	356.6	0.0	0.0	9632.0	1.0	1.56874
90	17900.00	89.88	356.59	100	9649.4	8471.9	8456.9	-503.3	8471.9	356.6	0.0	0.0	9632.0	1.0	1.56874
91	18000.00	89.88	356.59	100	9649.6	8571.9	8556.8	-509.3	8571.9	356.6	0.0	0.0	9632.0	1.0	1.56874
92	18100.00	89.88	356.59	100	9649.9	8671.9	8656.6	-515.2	8671.9	356.6	0.0	0.0	9632.0	1.0	1.56874
93	18200.00	89.88	356.59	100	9650.1	8771.9	8756.4	-521.1	8771.9	356.6	0.0	0.0	9632.0	1.0	1.56874
94	18300.00	89.88	356.59	100	9650.3	8871.9	8856.2	-527.1	8871.9	356.6	0.0	0.0	9632.0	1.0	1.56874
95	18400.00	89.88	356.59	100	9650.5	8971.9	8956.1	-533.0	8971.9	356.6	0.0	0.0	9632.0	1.0	1.56874
96	18500.00	89.88	356.59	100	9650.7	9071.9	9055.9	-539.0	9071.9	356.6	0.0	0.0	9632.0	1.0	1.56874
97	18600.00	89.88	356.59	100	9650.9	9171.9	9155.7	-544.9	9171.9	356.6	0.0	0.0	9632.0	1.0	1.56874
98	18700.00	89.88	356.59	100	9651.1	9271.9	9255.5	-550.8	9271.9	356.6	0.0	0.0	9632.0	1.0	1.56874
99	18800.00	89.88	356.59	100	9651.3	9371.9	9355.4	-556.8	9371.9	356.6	0.0	0.0	9632.0	1.0	1.56874
100	18900.00	89.88	356.59	100	9651.5	9471.9	9455.2	-562.7	9471.9	356.6	0.0	0.0	9632.0	1.0	1.56874
101	19000.00	89.88	356.59	100	9651.7	9571.9	9555.0	-568.7	9571.9	356.6	0.0	0.0	9632.0	1.0	1.56874
102	19100.00	89.88	356.59	100	9651.9	9671.9	9654.8	-574.6	9671.9	356.6	0.0	0.0	9632.0	1.0	1.56874
103	19200.00	89.88	356.59	100	9652.1	9771.9	9754.6	-580.6	9771.9	356.6	0.0	0.0	9632.0	1.0	1.56874
104	19300.00	89.88	356.59	100	9652.3	9871.9	9854.5	-586.5	9871.9	356.6	0.0	0.0	9632.0	1.0	1.56874
105	19400.00	89.88	356.59	100	9652.5	9971.9	9954.3	-592.4	9971.9	356.6	0.0	0.0	9632.0	1.0	1.56874
106	19500.00	89.88	356.59	100	9652.7	10071.9	10054.1	-598.4	10071.9	356.6	0.0	0.0	9632.0	1.0	1.56874
107	19600.00	89.88	356.59	100	9652.9	10171.9	10153.9	-604.3	10171.9	356.6	0.0	0.0	9632.0	1.0	1.56874
108	19629.69	89.88	356.59	29.69	9653.0	10201.6	10183.6	-606.1	10201.6	356.6	0.0	0.0	9632.0	1.0	1.56874



56	14500.00	89.94	1.28	100	9667.7	5041.9	5040.7	112.7	5041.9	1.3	0.0	0.0	9662.5	0.5	1.56976683
57	14600.00	89.94	1.28	100	9667.8	5141.9	5140.6	114.9	5141.9	1.3	0.0	0.0	9662.5	0.5	1.56976683
58	14700.00	89.94	1.28	100	9667.9	5241.9	5240.6	117.2	5241.9	1.3	0.0	0.0	9662.5	0.5	1.56976683
59	14800.00	89.94	1.28	100	9668.0	5341.9	5340.6	119.4	5341.9	1.3	0.0	0.0	9662.5	0.5	1.56976683
60	14900.00	89.94	1.28	100	9668.1	5441.9	5440.6	121.6	5441.9	1.3	0.0	0.0	9662.5	0.5	1.56976683
61	15000.00	89.94	1.28	100	9668.2	5541.9	5540.5	123.9	5541.9	1.3	0.0	0.0	9662.5	0.5	1.56976683
62	15100.00	89.94	1.28	100	9668.3	5641.9	5640.5	126.1	5641.9	1.3	0.0	0.0	9662.5	0.5	1.56976683
63	15200.00	89.94	1.28	100	9668.4	5741.9	5740.5	128.3	5741.9	1.3	0.0	0.0	9662.5	0.5	1.56976683
64	15300.00	89.94	1.28	100	9668.5	5841.9	5840.5	130.6	5841.9	1.3	0.0	0.0	9662.5	0.5	1.56976683
65	15400.00	89.94	1.28	100	9668.6	5941.9	5940.4	132.8	5941.9	1.3	0.0	0.0	9662.5	0.5	1.56976683
66	15500.00	89.94	1.28	100	9668.7	6041.9	6040.4	135.0	6041.9	1.3	0.0	0.0	9662.5	0.5	1.56976683
67	15600.00	89.94	1.28	100	9668.8	6141.9	6140.4	137.3	6141.9	1.3	0.0	0.0	9662.5	0.5	1.56976683
68	15700.00	89.94	1.28	100	9668.9	6241.9	6240.4	139.5	6241.9	1.3	0.0	0.0	9662.5	0.5	1.56976683
69	15800.00	89.94	1.28	100	9669.0	6341.9	6340.3	141.7	6341.9	1.3	0.0	0.0	9662.5	0.5	1.56976683
70	15900.00	89.94	1.28	100	9669.1	6441.9	6440.3	144.0	6441.9	1.3	0.0	0.0	9662.5	0.5	1.56976683
71	16000.00	89.94	1.28	100	9669.2	6541.9	6540.3	146.2	6541.9	1.3	0.0	0.0	9662.5	0.5	1.56976683
72	16100.00	89.94	1.28	100	9669.3	6641.9	6640.3	148.5	6641.9	1.3	0.0	0.0	9662.5	0.5	1.56976683
73	16200.00	89.94	1.28	100	9669.4	6741.9	6740.2	150.7	6741.9	1.3	0.0	0.0	9662.5	0.5	1.56976683
74	16300.00	89.94	1.28	100	9669.6	6841.9	6840.2	152.9	6841.9	1.3	0.0	0.0	9662.5	0.5	1.56976683
75	16400.00	89.94	1.28	100	9669.7	6941.9	6940.2	155.2	6941.9	1.3	0.0	0.0	9662.5	0.5	1.56976683
76	16500.00	89.94	1.28	100	9669.8	7041.9	7040.2	157.4	7041.9	1.3	0.0	0.0	9662.5	0.5	1.56976683
77	16600.00	89.94	1.28	100	9669.9	7141.9	7140.1	159.6	7141.9	1.3	0.0	0.0	9662.5	0.5	1.56976683
78	16700.00	89.94	1.28	100	9670.0	7241.9	7240.1	161.9	7241.9	1.3	0.0	0.0	9662.5	0.5	1.56976683
79	16800.00	89.94	1.28	100	9670.1	7341.9	7340.1	164.1	7341.9	1.3	0.0	0.0	9662.5	0.5	1.56976683
80	16900.00	89.94	1.28	100	9670.2	7441.9	7440.1	166.3	7441.9	1.3	0.0	0.0	9662.5	0.5	1.56976683
81	17000.00	89.94	1.28	100	9670.3	7541.9	7540.0	168.6	7541.9	1.3	0.0	0.0	9662.5	0.5	1.56976683
82	17100.00	89.94	1.28	100	9670.4	7641.9	7640.0	170.8	7641.9	1.3	0.0	0.0	9662.5	0.5	1.56976683
83	17200.00	89.94	1.28	100	9670.5	7741.9	7740.0	173.0	7741.9	1.3	0.0	0.0	9662.5	0.5	1.56976683
84	17300.00	89.94	1.28	100	9670.6	7841.9	7840.0	175.3	7841.9	1.3	0.0	0.0	9662.5	0.5	1.56976683
85	17400.00	89.94	1.28	100	9670.7	7941.9	7939.9	177.5	7941.9	1.3	0.0	0.0	9662.5	0.5	1.56976683
86	17500.00	89.94	1.28	100	9670.8	8041.9	8039.9	179.7	8041.9	1.3	0.0	0.0	9662.5	0.5	1.56976683
87	17600.00	89.94	1.28	100	9670.9	8141.9	8139.9	182.0	8141.9	1.3	0.0	0.0	9662.5	0.5	1.56976683
88	17700.00	89.94	1.28	100	9671.0	8241.9	8239.9	184.2	8241.9	1.3	0.0	0.0	9662.5	0.5	1.56976683
89	17800.00	89.94	1.28	100	9671.1	8341.9	8339.8	186.5	8341.9	1.3	0.0	0.0	9662.5	0.5	1.56976683
90	17900.00	89.94	1.28	100	9671.2	8441.9	8439.8	188.7	8441.9	1.3	0.0	0.0	9662.5	0.5	1.56976683
91	18000.00	89.94	1.28	100	9671.3	8541.9	8539.8	190.9	8541.9	1.3	0.0	0.0	9662.5	0.5	1.56976683
92	18100.00	89.94	1.28	100	9671.4	8641.9	8639.8	193.2	8641.9	1.3	0.0	0.0	9662.5	0.5	1.56976683
93	18200.00	89.94	1.28	100	9671.5	8741.9	8739.7	195.4	8741.9	1.3	0.0	0.0	9662.5	0.5	1.56976683
94	18300.00	89.94	1.28	100	9671.6	8841.9	8839.7	197.6	8841.9	1.3	0.0	0.0	9662.5	0.5	1.56976683
95	18400.00	89.94	1.28	100	9671.7	8941.9	8939.7	199.9	8941.9	1.3	0.0	0.0	9662.5	0.5	1.56976683
96	18500.00	89.94	1.28	100	9671.8	9041.9	9039.7	202.1	9041.9	1.3	0.0	0.0	9662.5	0.5	1.56976683
97	18600.00	89.94	1.28	100	9671.9	9141.9	9139.6	204.3	9141.9	1.3	0.0	0.0	9662.5	0.5	1.56976683
98	18700.00	89.94	1.28	100	9672.0	9241.9	9239.6	206.6	9241.9	1.3	0.0	0.0	9662.5	0.5	1.56976683
99	18800.00	89.94	1.28	100	9672.1	9341.9	9339.6	208.8	9341.9	1.3	0.0	0.0	9662.5	0.5	1.56976683
100	18900.00	89.94	1.28	100	9672.2	9441.9	9439.6	211.0	9441.9	1.3	0.0	0.0	9662.5	0.5	1.56976683
101	19000.00	89.94	1.28	100	9672.3	9541.9	9539.5	213.3	9541.9	1.3	0.0	0.0	9662.5	0.5	1.56976683
102	19100.00	89.94	1.28	100	9672.4	9641.9	9639.5	215.5	9641.9	1.3	0.0	0.0	9662.5	0.5	1.56976683
103	19200.00	89.94	1.28	100	9672.5	9741.9	9739.5	217.7	9741.9	1.3	0.0	0.0	9662.5	0.5	1.56976683
104	19300.00	89.94	1.28	100	9672.6	9841.9	9839.5	220.0	9841.9	1.3	0.0	0.0	9662.5	0.5	1.56976683
105	19400.00	89.94	1.28	100	9672.7	9941.9	9939.4	222.2	9941.9	1.3	0.0	0.0	9662.5	0.5	1.56976683
106	19500.00	89.94	1.28	100	9672.8	10041.9	10039.4	224.4	10041.9	1.3	0.0	0.0	9662.5	0.5	1.56976683
107	19600.00	89.94	1.28	100	9672.9	10141.9	10139.4	226.7	10141.9	1.3	0.0	0.0	9662.5	0.5	1.56976683
108	19649.02	89.94	1.28	49.016239	9673.0	10190.9	10188.4	227.8	10190.9	1.3	0.0	0.0	9662.5	0.5	1.56976683

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

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

**Case No. 21770**

**SELF-AFFIRMED STATEMENT OF NOTICE**


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

James Bruce deposes and states:

1. I am over the age of 18, and have personal knowledge of the matters stated herein.
2. I am an attorney for Mewbourne Oil Company.
3. Mewbourne Oil Company has conducted a good faith, diligent effort to find the names and correct addresses of the interest owners entitled to receive notice of the application filed herein.
4. Notice of the application was provided to the interest owners, at their last known addresses, by certified mail. Copies of the notice letter and certified return receipt 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:

5/18/24

  
James Bruce

EXHIBIT

4

**JAMES BRUCE**  
ATTORNEY AT LAW

POST OFFICE BOX 1056  
SANTA FE, NEW MEXICO 87504

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

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

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

March 18, 2021

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

To: Persons on Exhibit A

Ladies and gentlemen:

Enclosed is a copy of an application (Case No. 21770), filed with the New Mexico Oil Conservation Division by Mewbourne Oil Company, seeking an order the pooling all mineral interest owners in the Wolfcamp formation underlying a horizontal spacing unit comprised of the W/2 of Section 35 and the W/2 of Section 26, Township 23 South, Range 28 East, NMPM, Eddy County, New Mexico. The unit will be dedicated to: (a) The Layla 35/26 W0MD Fee Well No. 1H, with a first take point in the SW/4SW/4 of Section 35 and a last take point in the NW/4NW/4 of Section 26; (b) The Layla 35/26 W0NC Fee Well No. 1H, with a first take point in the SE/4SW/4 of Section 35 and a last take point in the NE/4NW/4 of Section 26; and (c) The Layla 35/26 W0NC Fee Well No. 2H, with a first take point in the SE/4SW/4 of Section 35 and a last take point in the NE/4NW/4 of Section 26.

This matter is scheduled for hearing at 8:15 a.m. on Thursday, April 8, 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](http://emnrd.state.nm.us/OCD/hearings) or see the instructions posted on the Division's website, <http://emnrd.state.nm.us/OCD/announcements.html>. You are not required to attend this hearing, but as an owner of an interest who may be affected by the application, you may appear and present testimony. Failure to appear at that time and become a party of record will preclude you from contesting this matter at a later date. A party appearing in a Division case is required by Division Rules to file a Pre-Hearing Statement no later than Thursday, April 1, 2021. This statement may be filed online with the Division at [ocd.hearings@state.nm.us](mailto:ocd.hearings@state.nm.us), and should include: The name of the party and his or her attorney; a concise statement of the case; the name(s) of the witness(es) the party will call to testify at the hearing; the approximate time the party will need to present his or her case; and identification of any procedural matters that need to be resolved prior to the hearing. The Pre-Hearing Statement must also be provided to the undersigned.

ATTACHMENT

A



Very truly yours,

*James Bruce*

James Bruce

Attorney for Mewbourne Oil Company

7020 0640 0000 1387 9254

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

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> <li>Complete items 1, 2, and 3.</li> <li>Print your name and address on the reverse so that we can return the card to you.</li> <li>Attach this card to the back of the mailpiece, or on the front if space permits.</li> </ul>	<p>A. Signature  <input checked="" type="checkbox"/> <i>Stephanie</i> <input type="checkbox"/> Agent  <input type="checkbox"/> Addressee</p>
<p>1. Article Addressed to:</p> <p>Chevron U.S.A. Inc.          Chevron Midcontinent LP          6301 Deauville Boulevard          Midland, Texas 79706</p> <p>Barcode: 9590 9402 5941 0062 9331 56</p>	<p>B. Received by (Printed Name)  <i>Stephanie Barbara</i></p> <p>C. Date of Delivery  <i>3/29/11</i></p>
<p>2. Article Number          7020 0640 0000 1387 9254</p>	<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes          If YES, enter delivery address below: <input type="checkbox"/> No</p>
<p>PS Form 3811, July 2015 PSN 7530-02-000-9053</p>	<p>3. Service Type</p> <p><input type="checkbox"/> Adult Signature <input type="checkbox"/> Priority Mail Express®</p> <p><input type="checkbox"/> Adult Signature Restricted Delivery <input type="checkbox"/> Registered Mail™</p> <p><input checked="" type="checkbox"/> Certified Mail® <input type="checkbox"/> Registered Mail Restricted Delivery</p> <p><input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Return Receipt for Merchandise</p> <p><input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Signature Confirmation™</p> <p><input type="checkbox"/> Collect on Delivery Restricted Delivery <input type="checkbox"/> Signature Confirmation Restricted Delivery</p> <p><i>M. Cayla</i> Domestic Return Receipt</p>

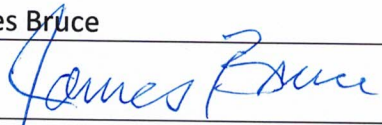
# COMPULSORY POOLING APPLICATION CHECKLIST

ALL INFORMATION IN THE APPLICATION MUST BE SUPPORTED BY SIGNED AFFIDAVITS

<b>Case:</b>	21770
<b>Date</b>	May 20, 2021
<b>Applicant</b>	Mewbourne Oil Company
<b>Designated Operator &amp; OGRID (affiliation if applicable)</b>	Mewbourne Oil Company/OGRID No. 14744
<b>Applicant's Counsel:</b>	James Bruce
<b>Case Title:</b>	Application of Mewbourne Oil Company for Compulsory Pooling, Eddy County, New Mexico
<b>Entries of Appearance/Intervenors:</b>	
<b>Well Family</b>	Layla Wolfcamp wells
<b>Formation/Pool</b>	
<b>Formation Name(s) or Vertical Extent:</b>	Wolfcamp Formation
<b>Primary Product (Oil or Gas):</b>	Gas
<b>Pooling this vertical extent:</b>	Entire Wolfcamp formation
<b>Pool Name and Pool Code:</b>	Purple Sage; Wolfcamp (Gas)/Pool Code 98220
<b>Well Location Setback Rules:</b>	Purple Sage pool rules and current horizontal well rules
<b>Spacing Unit Size:</b>	Half Section/320 acres
<b>Spacing Unit</b>	
<b>Type (Horizontal/Vertical)</b>	Horizontal
<b>Size (Acres)</b>	640 acres
<b>Building Blocks:</b>	320 acres
<b>Orientation:</b>	East-West
<b>Description: TRS/County</b>	W/2 §35 and W/2 §26-23S-28E, NMPM, Eddy County
<b>Standard Horizontal Well Spacing Unit (Y/N), If No, describe</b>	Yes
<b>Other Situations</b>	
<b>Depth Severance: Y/N. If yes, description</b>	No
<b>Proximity Tracts: If yes, description</b>	No
<b>Proximity Defining Well: if yes, description</b>	
<b>Applicant's Ownership in Each Tract</b>	Exhibit 2B
<b>Well(s)</b>	
<b>Name &amp; API (if assigned), surface and bottom hole location, footages, completion target, orientation, completion status (standard or non-standard)</b>	Layla 35/26 W0MD Fee Well No. 1H API No. 30-015-Pending SHL: 225 FSL & 1870 FWL §35 BHL: 330 FNL & 440 FWL §26 FTP: 330 SNL & 440 FWL §35 LTP: 330 FNL & 440 FWL §16 Upper Wolfcamp/TVD 9633 feet/MD 19750 feet

EXHIBIT 5

	<p>Layla 35/26 W0NC Fee Well No. 1H  API No. 30-015-Pending  SHL: 225 FSL &amp; 1900 FWL §35  BHL: 330 FNL &amp; 1335 FWL §26  FTP: 330 SNL &amp; 1335 FWL §35  LTP: 330 FNL &amp; 1335 FWL §16  Upper Wolfcamp/TVD 9653 feet/MD 19700 feet</p> <p>Layla 35/26 W0NC Fee Well No. 2H  API No. 30-015-Pending  SHL: 225 FSL &amp; 1930 FWL §35  BHL: 330 FNL &amp; 2200 FWL §26  FTP: 330 SNL &amp; 2200 FWL §35  LTP: 330 FNL &amp; 2200 FWL §16  Upper Wolfcamp/TVD 9673 feet/MD 19725 feet</p>
Horizontal Well First and Last Take Points	See above
Completion Target (Formation, TVD and MD)	See above
<b>AFE Capex and Operating Costs</b>	
Drilling Supervision/Month \$	\$8000
Production Supervision/Month \$	\$800
Justification for Supervision Costs	Exhibit 2B, page 2
Requested Risk Charge	Cost + 200%/Exhibit 2B, page 2
<b>Notice of Hearing</b>	
Proposed Notice of Hearing	Exhibit 1
Proof of Mailed Notice of Hearing (20 days before hearing)	Exhibit 4
Proof of Published Notice of Hearing (10 days before hearing)	
<b>Ownership Determination</b>	
Land Ownership Schematic of the Spacing Unit	Exhibit 2-B
Tract List (including lease numbers and owners)	
Pooled Parties (including ownership type)	Exhibit 2-C
Unlocatable Parties to be Pooled	None
Ownership Depth Severance (including percentage above & below)	None
<b>Joinder</b>	
Sample Copy of Proposal Letter	Exhibit 2-C
List of Interest Owners (i.e. Exhibit A of JOA)	Exhibit 2-B
Chronology of Contact with Non-Joined Working Interests	Exhibit 2-C
Overhead Rates In Proposal Letter	
Cost Estimate to Drill and Complete	Exhibit 2-D
Cost Estimate to Equip Well	Exhibit 2-D

Cost Estimate for Production Facilities	Exhibit 2-D
<b>Geology</b>	
Summary (including special considerations)	Exhibit 3
Spacing Unit Schematic	Exhibit 3-A
Gunbarrel/Lateral Trajectory Schematic	Exhibit 3-A
Well Orientation (with rationale)	Standup/Exhibit 3
Target Formation	Wolfcamp
HSU Cross Section	Exhibit 3-B
Depth Severance Discussion	Not Applicable
<b>Forms, Figures and Tables</b>	
C-102	Exhibit 2-A
Tracts	Exhibit 2-A
Summary of Interests, Unit Recapitulation (Tracts)	Exhibit 2-B
General Location Map (including basin)	Exhibit 2-A
Well Bore Location Map	Exhibit 2-A
Structure Contour Map - Subsea Depth	Exhibit 3-A
Cross Section Location Map (including wells)	Exhibit 3-B
Cross Section (including Landing Zone)	Exhibit 3-B
<b>Additional Information</b>	
<b>CERTIFICATION: I hereby certify that the information provided in this checklist is complete and accurate.</b>	
Printed Name (Attorney or Party Representative):	James Bruce
Signed Name (Attorney or Party Representative):	
Date:	May 18, 2021