

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

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

CASE NO. 21752

**MEWBOURNE OIL COMPANY'S
HEARING EXHIBITS**

Compulsory Pooling Checklist

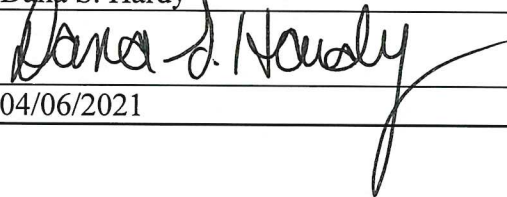
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| Exhibit A | Self-Affirmed Statement of Tyler Jolly |
| A-1 | Application & Proposed Notice of Hearing |
| A-2 | Midland Location Map |
| A-3 | C-102(s) |
| A-4 | Plat of Tracts, Tract Ownership, Pooled Parties, Unit Recapitulation |
| A-5 | Sample Well Proposal Letter & AFE(s) |
| A-6 | Summary of Communications |
| A-7 | Hearing Notice Letter and Return Receipts |
| A-8 | Affidavit of Publication |
| Exhibit B | Self-Affirmed Statement of Charles Crosby |
| B-1 | Location Map |
| B-2 | Structure Map |
| B-3 | Isopach |
| B-4 | Cross Section |
| B-5 | Production Table |
| B-6 | Well Plan Survey |

COMPULSORY POOLING APPLICATION CHECKLIST

ALL INFORMATION IN THE APPLICATION MUST BE SUPPORTED BY SIGNED AFFIDAVITS

Case: 21752	APPLICANT'S RESPONSE
Date	April 8, 2021
Applicant	Mewbourne Oil Company
Designated Operator & OGRID (affiliation if applicable)	OGRID # 14744
Applicant's Counsel:	Hinkle Shanor LLP
Case Title:	Application of Mewbourne Oil Company for Compulsory Pooling, Eddy County, New Mexico
Entries of Appearance/Intervenors:	N/A
Well Family	Ithaca
Formation/Pool	
Formation Name(s) or Vertical Extent:	Wolfcamp
Primary Product (Oil or Gas):	Oil
Pooling this vertical extent:	Wolfcamp
Pool Name and Pool Code:	Burton Flat, Upper Wolfcamp Pool (98315)
Well Location Setback Rules:	Statewide
Spacing Unit Size:	~240 acres
Spacing Unit	
Type (Horizontal/Vertical)	Horizontal
Size (Acres)	~240 acres
Building Blocks:	Quarter-quarter
Orientation:	Laydown
Description: TRS/County	the N/2N/2 of Section 15 and the N/2NW/4 of Section 14, Township 20 South, Range 29 East in Eddy County, New Mexico
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	N/A
Applicant's Ownership in Each Tract	Exhibit A-4
Well(s)	
Name (API [if assigned]); Surface hole location; Bottom hole location; Completion target (TVD); Orientation, Completion status (standard or non-standard).	
Well #1	Ithaca 15/14 W0DC Fed Com #1H (API # Pending) SHL: 1330 FNL, 205 FWL, Unit E, 15-20S-29E BHL: 660 FNL & 2540 FWL, Unit C, 14-20S-29E Completion Target: Wolfcamp formation (Approx. 9362' TVD)

	Completion status: Standard
Horizontal Well First and Last Take Points	Exhibit A-3
Completion Target (Formation, TVD and MD)	Exhibit A-5
AFE Capex and Operating Costs	
Drilling Supervision/Month \$	8000
Production Supervision/Month \$	800
Justification for Supervision Costs	Exhibit A
Requested Risk Charge	200%
Notice of Hearing	
Proposed Notice of Hearing	Exhibit A-1
Proof of Mailed Notice of Hearing (20 days before hearing)	Exhibit A-7
Proof of Published Notice of Hearing (10 days before hearing)	Exhibit A-8
Ownership Determination	
Land Ownership Schematic of the Spacing Unit	Exhibit A-4
Tract List (including lease numbers and owners)	Exhibit A-4
Pooled Parties (including ownership type)	Exhibit A-4
Unlocatable Parties to be Pooled	Exhibit A-4
Ownership Depth Severance (including percentage above & below)	N/A
Joinder	
Sample Copy of Proposal Letter	Exhibit A-5
List of Interest Owners (ie Exhibit A of JOA)	Exhibit A-4
Chronology of Contact with Non-Joined Working Interests	Exhibit A-6
Overhead Rates in Proposal Letter	N/A
Cost Estimate to Drill and Complete	Exhibit A-5
Cost Estimate to Equip Well	Exhibit A-5
Cost Estimate for Production Facilities	Exhibit A-5
Geology	
Summary (including special considerations)	Exhibit B
Spacing Unit Schematic	Exhibit B-1
Gunbarrel/Lateral Trajectory Schematic	N/A
Well Orientation (with rationale)	Exhibit B
Target Formation	Wolfcamp
HSU Cross Section	Exhibit B-4
Depth Severance Discussion	N/A
Forms, Figures and Tables	
C-102	Exhibit A-3
Tracts	Exhibit A-4
Summary of Interests, Unit Recapitulation (Tracts)	Exhibit A-4

General Location Map (including basin)	Exhibit B-1
Well Bore Location Map	Exhibit B-1
Structure Contour Map - Subsea Depth	Exhibit B-2
Cross Section Location Map (including wells)	Exhibit B-2
Cross Section (including Landing Zone)	Exhibit B-4
Additional Information	
CERTIFICATION: I hereby certify that the information provided in this checklist is complete and accurate.	
Printed Name (Attorney or Party Representative):	Dana S. Hardy
Signed Name (Attorney or Party Representative):	
Date:	04/06/2021

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

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

Case No. 21752

SELF-AFFIRMED STATEMENT OF
TYLER JOLLY

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 a landman for Mewbourne Oil Company ("Mewbourne"). I have had direct involvement with Mewbourne's development acreage that is the subject of Mewbourne's application in this case. A copy of the application and proposed notice are attached as **Exhibit A-1**.

3. I have previously testified before the Division, and my qualifications as an expert in petroleum land matters were accepted.

4. None of the parties proposed to be pooled in these cases indicated opposition to this case proceeding by affidavit, therefore I do not expect any opposition at hearing.

A. Proposed Horizontal Spacing Unit

5. Mewbourne seeks an order pooling all uncommitted mineral interests in the Wolfcamp formation in a 240-acre, more or less, standard horizontal spacing unit comprised of the N/2 N/2 of Section 15 and the N/2 NW/4 of Section 14, Township 20 South, Range 29 East in Eddy County, New Mexico ("HSU"). A Midland Map depicting the HSU is attached as **Exhibit A-2**.

MEWBOURNE OIL
COMPANY
Case No. 21752

Exhibit A

6. The HSU will be dedicated to the Ithaca 15/14 W0DC Fed Com #1H well, which will be horizontally drilled from a surface location in Unit E of Section 15 to a bottom hole location in Unit C of Section 14, Township 20 South, Range 29 East in Eddy County (“Well”).

7. The Well is located in the Burton Flat, Upper Wolfcamp Pool, Code 98315. With respect to well setback requirements, this pool is subject to the statewide horizontal well rules set out in NMAC 19.15.16.15.

8. **Exhibit A-3** contains the C-102 for the Well.

B. Ownership Determination

9. **Exhibit A-4** identifies the tracts within the HSU, ownership interests in each tract, a unit recapitulation, and interests Mewbourne seeks to pool highlighted in yellow.

10. There is no depth severance in the Wolfcamp formation within the proposed HSU.

11. Mewbourne has the right to pool any overriding royalty owners in the HSU.

C. Joinder

12. **Exhibit A-5** contains a sample well proposal letter and AFE sent to the working interest owners for the Well. The estimated costs reflected on the AFEs are fair and reasonable and comparable to the cost of other wells of similar depth and length drilled in the Yeso formation in the area.

13. Mewbourne has conducted a diligent search of all public records in Eddy County, including phone directories and computer databases.

14. Unlocatable interests are identified in **Exhibit A-4**.

15. In my opinion, Mewbourne made a good-faith effort to reach voluntary joinder of uncommitted interests in the Wells as indicated by the Chronology of Contact described in **Exhibit A-6**.

D. Notice of Hearing

16. Notice of Mewbourne's application and the Division hearing was provided to the uncommitted interests by certified mail more than 20 days prior to the hearing date. A sample of the notice letter and the associated green cards are attached as **Exhibit A-7**.

17. Notice of Mewbourne's application and the Division hearing was published more than ten business days prior to the hearing date. The affidavit of publication is attached as **Exhibit A-8**.

E. Drilling and Operating Costs

18. Mewbourne requests overhead and administrative rates of \$8,000 per month while the well is being drilled and \$800 per month while the well is producing. These rates are fair and are comparable to the rates charged by Mewbourne and by other operators in the vicinity. Mewbourne further requests that the rates be adjusted periodically in accordance with the COPAS Accounting Procedure.

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

20. Mewbourne also requests that a 200% risk charge be assessed against the uncommitted interests if they are non-consenting working interest owners.

21. The exhibits attached hereto were either prepared by me or under my supervision or were compiled from company business records.

22. In my opinion, the granting of Mewbourne's application would serve the interests of conservation, the protection of correlative rights, and the prevention of waste.

23. 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 22 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.


Tyler Jolly

3/30/2021
Date

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

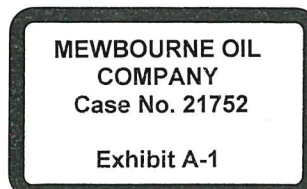
**APPLICATION OF MEWBOURNE OIL
COMPANY FOR COMPULSORY POOLING,
EDDY COUNTY, NEW MEXICO**

Case No. 21752

APPLICATION

Pursuant to NMSA § 70-2-17, Mewbourne Oil Company (“Mewbourne”) applies for an order pooling all uncommitted mineral interests in the Wolfcamp formation in a 240-acre, more or less, standard horizontal spacing unit comprised of the N/2 N/2 of Section 15 and the N/2 NW/4 of Section 14, Township 20 South, Range 29 East in Eddy County, New Mexico. In support of its application, Mewbourne states the following.

1. Mewbourne (OGRID No. 14744) is a working interest owner in the proposed horizontal spacing unit and has the right to drill a well thereon.
2. The horizontal spacing unit will be dedicated to the Ithaca 15/14 W0DC Fed Com #1H well, which will be horizontally drilled from a surface location in Unit E of Section 15 to a bottom hole location in Unit C of Section 14, Township 20 South, Range 29 East in Eddy County.
3. The completed interval of the well will be orthodox.
4. Mewbourne has undertaken diligent, good-faith efforts to obtain voluntary agreements from all mineral interest owners to participate in the drilling of the well but has been unable to obtain voluntary agreements from all of the mineral interest owners.
5. The pooling of all uncommitted mineral interests in the Wolfcamp formation underlying the proposed horizontal spacing unit will prevent the drilling of unnecessary wells, prevent waste, and protect correlative rights.



6. In order to allow Mewbourne to obtain its just and fair share of the oil and gas underlying the subject lands, all uncommitted mineral interests in the horizontal spacing unit should be pooled.

WHEREFORE, Mewbourne requests that this application be set for hearing on April 8, 2021 and that, after notice and hearing, the Division enter an order:

A. Pooling all uncommitted mineral interests in the Wolfcamp formation underlying the N/2 N/2 of Section 15 and the N/2 NW/4 of Section 14, Township 20 South, Range 29 East in Eddy County;

B. Designating Mewbourne as the operator of the well;

C. Authorizing Mewbourne to recover its costs of drilling, equipping, and completing the well and allocating the costs among the well's working interest owners;

D. Approving the actual operating charges and costs of supervision during drilling and after completion, together with a provision for adjusting the rates pursuant to the COPAS accounting procedure; and

E. Imposing a 200% penalty for the risk assumed by Mewbourne in drilling and completing the well against any working interest owner who does not voluntarily participate in the drilling of the well.

Respectfully submitted,

HINKLE SHANOR LLP

/s/ Dana S. Hardy

Dana S. Hardy

P.O. Box 2068

Santa Fe, NM 87504-2068

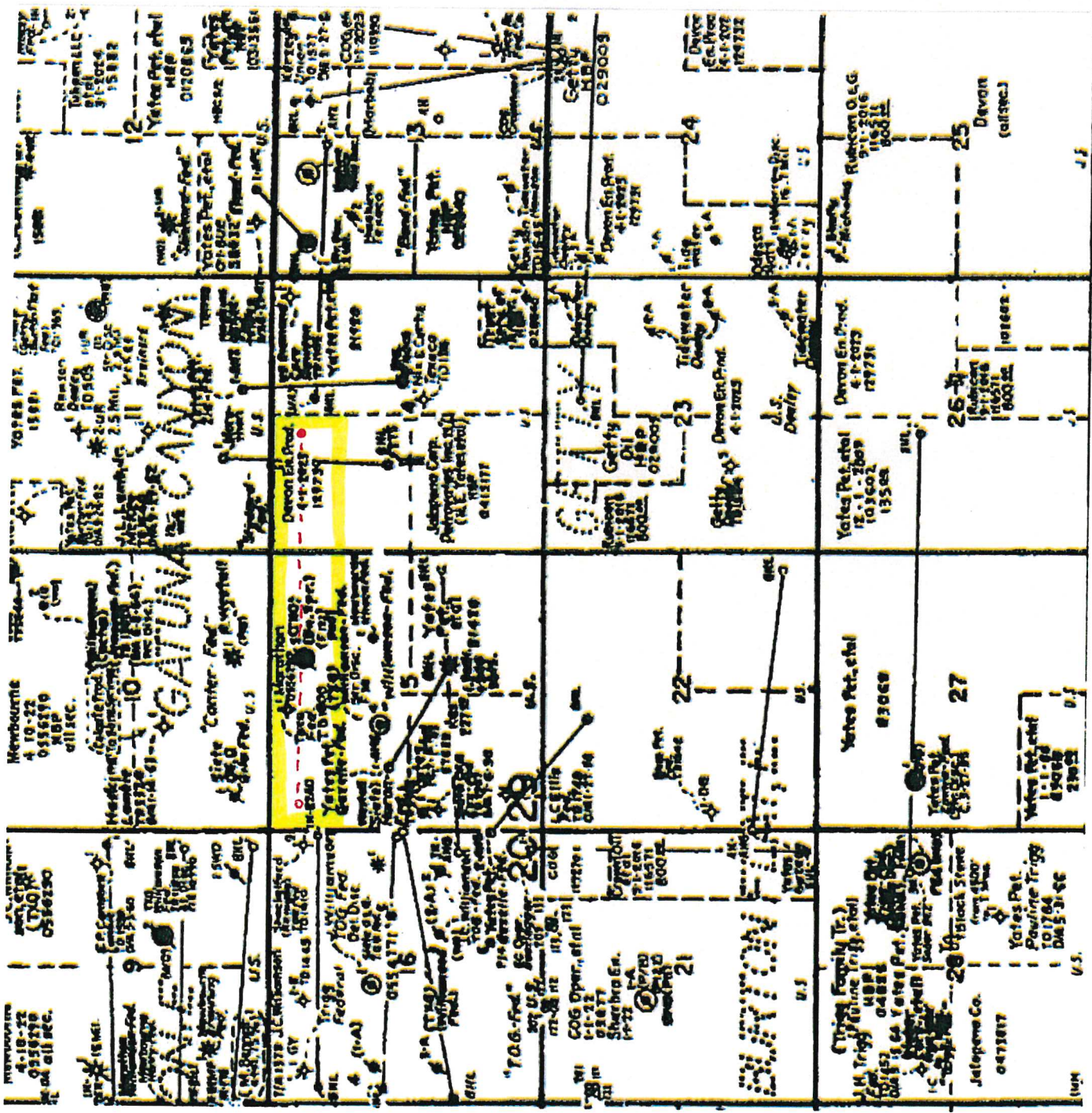
Phone: (505) 982-4554

Facsimile: (505) 982-8623

dhardy@hinklelawfirm.com

Counsel for Mewbourne Oil Company

Application of Mewbourne Oil Company for compulsory pooling, Eddy County, New Mexico. Applicant seeks an order pooling all uncommitted mineral interests in the Wolfcamp formation in a 240-acre, more or less, standard horizontal spacing unit comprised of the N/2 N/2 of Section 15 and the N/2 NW/4 of Section 14, Township 20 South, Range 29 East in Eddy County, New Mexico. The horizontal spacing unit will be dedicated to the Ithaca 15/14 W0DC Fed Com #1H well, which will be horizontally drilled from a surface location in Unit E of Section 15 to a bottom hole location in Unit C of Section 14, Township 20 South, Range 29 East in Eddy County. The completed interval of the well will be orthodox. Also to be considered will be the costs of drilling and completing the well and the allocation of the costs, the designation of Mewbourne Oil Company as the operator of the well, and a 200% charge for the risk involved in drilling and completing the well. The well is located approximately 10 miles northeast of Carlsbad, New Mexico.



MEWBOURNE OIL
 COMPANY
 Case No. 21752
 Exhibit A-2

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 Pending	² Pool Code 98315	³ Pool Name Burton Flat Upper Wolfcamp Pool
⁴ Property Code	⁵ Property Name ITHACA 15/14 WODC FED COM	
⁷ GRID NO. 14744	⁸ Operator Name MEWBOURNE OIL COMPANY	⁶ Well Number 1H
		⁹ Elevation 3287'

¹⁰ Surface Location

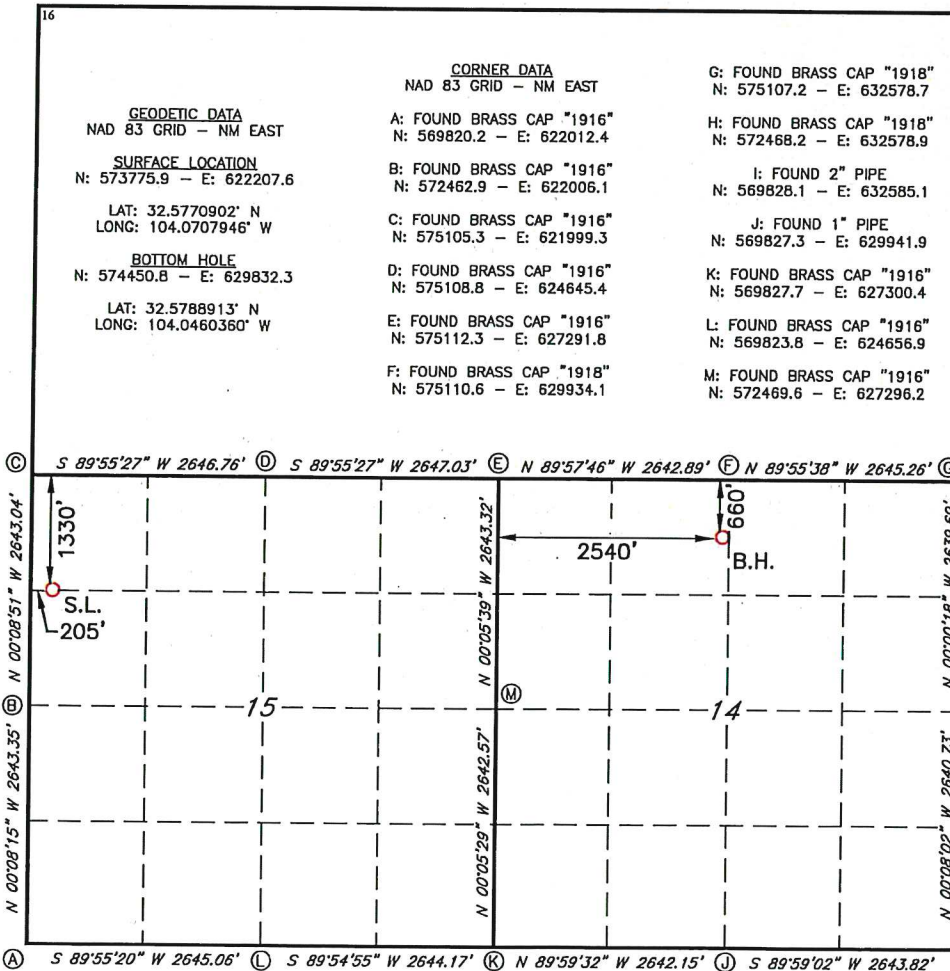
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet From the	East/West line	County
E	15	20S	29E		1330	NORTH	205	WEST	EDDY

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	14	20S	29E		660	NORTH	2540	WEST	EDDY

¹² Dedicated Acres 240	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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.



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.

03-09-20

Date of Survey

Signature and Seal of Professional Surveyor



19680

Certificate Number

REV: BH MOVE/NAME

MEWBOURNE OIL COMPANY
Case No. 21752

Exhibit A-3

RRC-Job No: L

Section Plat
Ithaca 15-14 W0DC Fed Com #1H
N/2N/2 of Section 15 & N/2NW of Section 14

T20S-R29E, Eddy County, NM

T20S-R29E, Eddy County, NM

Section 15

Section 14

Tract 1 - NMNM 0556290

Tract 2 - NMNM 129730

**MEWBOURNE OIL
COMPANY**
Case No. 21752

Exhibit A-4

Ithaca 15-14 W0DC Fed Com #1H**N2N2 of Section 15 - NMNM 0556290**

Entity	Interest	Gross Acres	Net Acres
Mewbourne Oil Company	62.92390480%	160	100.6782477
Occidental Permian Limited Partnership	16.87995620%	160	27.0079299
Great Western Drilling Ltd.	10.54997260%	160	16.8799562
Trainer Partners, Ltd.	8.20312500%	160	13.1250000
Sand Dollar Petroleum, Inc.	0.78125000%	160	1.2500000
BancTexas Capital, Inc.	0.18760190%	160	0.3001630
Jeffrey M. Johnston	0.19531250%	160	0.3125000
Michael A. Short	0.19531250%	160	0.3125000
Stroube Energy, Inc.	0.05258290%	160	0.0841326
F.M. Mayer Investments	0.02629150%	160	0.0420664
Charlene Calvert Willie, Deceased	0.00469010%	160	0.0075042
Total	100.00000000%	160	160.0000000

N2NW4 of Section 14 - NMNM 129730

Entity	Interest	Gross Acres	Net Acres
Mewbourne Oil Company	100.0000000%	80	80
Total	100.0000000%	80	80.0000000

MEWBOURNE OIL COMPANY

500 West Texas, Suite 1020

Midland, Texas 79701

Phone (432) 682-3715

January 19, 2021

Via Certified Mail

Occidental Permian Limited Partnership
5 Greenway Plaza, Suite 110
Houston, Texas 77046
Attn: NM Permian Land Manager

Re: **Ithaca 15-14 W0DC Fed Com #1H**
N2N2 of Section 15 & N2NW4 of Section 14
T20S, R29E, Eddy County, New Mexico

Ladies and Gentlemen:

Mewbourne Oil Company, as Operator, hereby proposes drilling the following horizontal test:

- 1) Ithaca 15-14 W0DC Fed Com #1H – APD in process
Surface Location: 1330' FNL, 205' FWL, Section 15
Bottom Hole Location: 660' FNL, 2540' FWL, Section 14
Proposed Total Vertical Depth: 9362'
Proposed Total Measured Depth: 16790'
Formation: Wolfcamp

In the event Occidental Permian Limited Partnership elects to participate in the proposed wells, please execute the enclosed AFEs before returning them to the undersigned within thirty (30) days. Our Joint Operating Agreement will follow, which provides for a Drilling Well Rate of \$8,000 per month and a Producing Well Rate of \$800 per month and a non-consent penalty of 300%/100%. Please enclose your most current well information requirements so that we may supply well data when available.

Please contact me at (432) 682-3715 or via email at tjolly@mewbourne.com if you have any questions or need more information.

Very truly yours,

MEWBOURNE OIL COMPANY


Tyler Jolly
Landman

Enclosure

MEWBOURNE OIL
COMPANY
Case No. 21752

Exhibit A-5

MEWBOURNE OIL COMPANY
AUTHORIZATION FOR EXPENDITURE

Well Name: ITHACA 15/14 W0DC FED COM #1H		Prospect: WFMP Y SAND	
Location: SHL: 1330 FNL & 205 FWL (15); BHL: 660 FNL & 2540 FWL (14)		County: Eddy	ST: NM
Sec. 15	Blk:	Survey:	TWP: 20S RNG: 29E Prop. TVD: 9362 TMD: 16790

INTANGIBLE COSTS 0180			
	CODE	TCP	CC
Regulatory Permits & Surveys	0180-0100	\$20,000	\$0
Location / Road / Site / Preparation	0180-0105	\$35,000	\$35,000
Location / Restoration	0180-0106	\$200,000	\$38,000
Daywork / Turnkey / Footage Drilling 24 days drlg / 3 days comp @ \$18550/d	0180-0110	\$475,500	\$59,400
Fuel 1700 gal/day @ \$1.3/gal	0180-0114	\$56,700	\$159,000
Alternate Fuels	0180-0115	\$0	\$0
Mud, Chemical & Additives	0180-0120	\$70,000	\$0
Mud - Specialized	0180-0121	\$110,000	\$0
Horizontal Drillout Services		\$0	\$150,000
Stimulation Toe Preparation		\$0	\$25,000
Cementing	0180-0125	\$80,000	\$35,000
Logging & Wireline Services	0180-0130	\$2,300	\$253,000
Casing / Tubing / Snubbing Services	0180-0134	\$18,000	\$40,000
Mud Logging	0180-0137	\$30,000	\$0
Stimulation 44 Stg 14.5 MM gal / 14.5 MM lb		\$0	\$998,000
Stimulation Rentals & Other		\$0	\$150,000
Water & Other	0180-0145	\$35,000	\$173,000
Bits	0180-0148	\$96,100	\$5,000
Inspection & Repair Services	0180-0150	\$50,000	\$5,000
Misc. Air & Pumping Services	0180-0154	\$0	\$10,000
Testing & Flowback Services	0180-0158	\$12,000	\$24,000
Completion / Workover Rig		\$0	\$10,500
Rig Mobilization	0180-0164	\$120,000	\$0
Transportation	0180-0165	\$30,000	\$20,000
Welding, Construction & Maint. Services	0180-0168	\$4,000	\$15,000
Contract Services & Supervision	0180-0170	\$43,500	\$31,500
Directional Services Includes Vertical Control	0180-0175	\$356,500	\$0
Equipment Rental	0180-0180	\$203,300	\$8,000
Well / Lease Legal	0180-0184	\$5,000	\$0
Well / Lease Insurance	0180-0185	\$5,200	\$0
Intangible Supplies	0180-0188	\$8,000	\$1,000
Damages	0180-0190	\$10,000	\$10,000
Pipeline Interconnect, ROW Easements	0180-0192	\$0	\$5,000
Company Supervision	0180-0195	\$186,000	\$63,000
Overhead Fixed Rate	0180-0196	\$10,000	\$20,000
Contingencies 2% (TCP) 2% (CC)	0180-0199	\$46,400	\$46,900
TOTAL		\$2,318,500	\$2,390,300

TANGIBLE COSTS 0181			
	CODE	TCP	CC
Casing (19.1" - 30") 400' - 20" 94# X-56 BTC KAWASAKI NEW @ \$68.94/ft	0181-0793	\$29,500	\$0
Casing (10.1" - 19.0") 1400' - 13 3/8" 54.5# J-55 ST&C @ \$32.16/ft	0181-0794	\$48,100	\$0
Casing (8.1" - 10.0") 3100' - 9 5/8" 40# N-80 LT&C @ \$24.42/ft	0181-0795	\$80,900	\$0
Casing (6.1" - 8.0") 9665' - 7" 29# HCP-110 LT&C @ \$21.47/ft	0181-0796	\$221,600	\$0
Casing (4.1" - 6.0") 8050' - 4 1/2" 13.5# P-110 BPN @ \$11.72/ft		\$0	\$100,800
Tubing 8810' - 2 7/8" 6.5# L-80 Tbg @ \$4.54/ft		\$0	\$42,700
Drilling Head	0181-0860	\$35,000	\$0
Tubing Head & Upper Section		\$0	\$30,000
Horizontal Completion Tools Completion Liner Hanger		\$0	\$45,000
Subsurface Equip. & Artificial Lift		\$0	\$20,000
Pumping Unit Systems		\$0	\$0
Service Pumps (1/2) TP/CP/Circ pump		\$0	\$8,000
Storage Tanks (1/2) 6 OT/5 WT/GB		\$0	\$133,000
Emissions Control Equipment (1/2) VRT's/VRU/Flare/KO's		\$0	\$120,000
Separation / Treating Equipment (1/2) H sep/V sep/HT		\$0	\$100,000
Automation Metering Equipment		\$0	\$63,000
Line Pipe & Valves - Gathering (1/2) 1 mile gas & water		\$0	\$35,000
Fittings / Valves & Accessories		\$0	\$200,000
Cathodic Protection		\$0	\$8,000
Electrical Installation		\$0	\$125,000
Equipment Installation		\$0	\$88,000
Pipeline Construction (1/2) 1 mile gas & water		\$0	\$75,000
TOTAL		\$415,100	\$1,193,500
SUBTOTAL		\$2,733,600	\$3,583,800

TOTAL WELL COST	\$6,317,400
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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: 1/15/2021
Company Approval:	Date:
Joint Owner Interest: _____ Amount: \$0.00	Signature: _____
Joint Owner Name: _____	

Summary of Communications

Ithaca 15-14 W0DC Fed Com #1H

Occidental Permian Limited Partnership

1. January 19, 2021, sent well proposal via certified mail. Proof of Delivery is attached.
2. Emails discussing potentially participating in the well.

Great Western Drilling, Ltd.

1. January 19, 2021, sent well proposal via certified mail. Proof of Delivery is attached.
2. Emails discussing potentially participating in the well.

Trainer Partners, Ltd.

1. January 19, 2021, sent well proposal via certified mail. Proof of Delivery is attached.
2. Emails discussing potentially participating in the well.

Sand Dollar Petroleum, Inc. and Jeffrey M. Johnston

1. January 19, 2021, sent well proposal via certified mail. Proof of Delivery is attached.
2. Emails discussing potentially participating in the well.

Michael A. Short

1. January 19, 2021, sent well proposal via certified mail. Proof of Delivery is attached.
2. Emails discussing potentially participating in the well.

BancTexas Capital, Inc.

1. January 19, 2021, sent well proposal via certified mail. Proof of Delivery is attached.

Estate of Charlene Calvert Willie, Deceased

1. January 19, 2021, sent well proposal via certified mail. Proof of Delivery is attached.

F.M. Mayer Investments

1. January 19, 2021, sent well proposal via certified mail. Proof of Delivery is attached.



HINKLE SHANOR LLP
ATTORNEYS AT LAW
PO BOX 2068
SANTA FE, NEW MEXICO 87504
505-982-4554 (FAX) 505-982-8623

WRITER:
Dana S. Hardy, Partner
dhardy@hinklelawfirm.com

March 4, 2021

VIA CERTIFIED MAIL
RETURN RECEIPT REQUESTED

TO ALL INTERESTS SUBJECT TO POOLING PROCEEDINGS

Re: Case No. 21752: Application of Mewbourne Oil Company for Compulsory Pooling, Eddy County, New Mexico

Sir/Madam:

Enclosed is a copy of an application that Mewbourne Oil Company ("Mewbourne") has filed with the New Mexico Oil Conservation Division ("the Division").

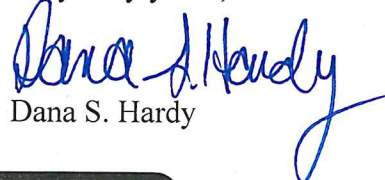
Mewbourne requests an order pooling all uncommitted mineral interests in the Wolfcamp formation in a 240-acre, more or less, standard horizontal spacing unit comprised of the N/2 N/2 of Section 15 and the N/2 NW/4 of Section 14, Township 20 South, Range 29 East in Eddy County, New Mexico.

During the COVID-19 Public Health Emergency, state buildings are closed to the public and hearings will be conducted remotely. The hearing will be conducted on April 8, 2021 beginning at 8:15 a.m. To participate in the electronic hearing, see the instructions posted on the docket for the hearing date: <http://www.emnrd.state.nm.us/OCD/hearings.html>. You are not required to attend the hearing, but as an owner of an interest that may be affected by Mewbourne's application, you may appear at the hearing and present testimony. If you do not appear at that time and become a party of record, you will be precluded from contesting the matter at a later date.

A party appearing in a Division case is required by the Division's Rules to file a Pre-Hearing Statement at least four business days prior to the hearing, but in no event later than 5:00 p.m. mountain time on the Thursday preceding the hearing. The Pre-Hearing Statement must be filed with the Division and should include: the name of the party and the party's 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 amount of time the party will need to present the party's case; and an identification of any procedural matters that need to be resolved prior to the hearing. The Pre-Hearing Statement must also be provided to me.

Thank you for your attention to this matter.

Very truly yours,


Dana S. Hardy

Enclosure

PO BOX 10
ROSWELL, NEW MEXICO 88202
575-622-6510
(FAX) 575-623-9332

PO BOX 1720
ARTESIA, NEW MEXICO
575-622-6510
(FAX) 575-746-6

**MEWBOURNE OIL
COMPANY**
Case No. 21752

Exhibit A-7

PO BOX 2068
NEW MEXICO 87504
505-982-4554
505-982-8623

7601 JEFFERSON ST NE - SUITE 180
ALBUQUERQUE, NEW MEXICO 87109
505-858-8320
(FAX) 505-858-8321

7019 2970 0000 7641 3446

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Return Receipt (electronic) \$ _____

Certified Mail Restricted Delivery \$ _____

Adult Signature Required \$ _____

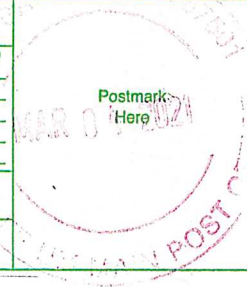
Adult Signature Restricted Delivery \$ _____

Postage
 \$ _____

Total Postage and Fees
 \$ _____

Sent To
 BancTexas Capital, Inc.
 Street and P.O. Box 650282
 City, State, Dallas, TX 75265

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"> ■ 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. <p>1. Article Addressed to:</p> <p>BancTexas Capital, Inc. P.O. Box 650282 Dallas, TX 75265</p>	<p>A. Signature <input checked="" type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) C. Date of Delivery</p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input checked="" type="checkbox"/> No</p>
<p>Barcode: 9590 9402 5554 9249 4930 54</p> <p>2. Article Number (Transfer from service label) 7019 2970 0000 7641 3446</p>	<p>3. Service Type</p> <p><input type="checkbox"/> Adult Signature</p> <p><input type="checkbox"/> Adult Signature Restricted Delivery</p> <p><input checked="" type="checkbox"/> Certified Mail®</p> <p><input type="checkbox"/> Certified Mail Restricted Delivery</p> <p><input type="checkbox"/> Collect on Delivery</p> <p><input type="checkbox"/> Collect on Delivery Restricted Delivery</p> <p><input type="checkbox"/> Insured Mail</p> <p><input type="checkbox"/> Insured Mail Restricted Delivery (over \$500)</p> <p><input type="checkbox"/> Priority Mail Express®</p> <p><input type="checkbox"/> Registered Mail™</p> <p><input type="checkbox"/> Registered Mail Restricted Delivery</p> <p><input checked="" type="checkbox"/> Return Receipt for Merchandise</p> <p><input type="checkbox"/> Signature Confirmation™</p> <p><input type="checkbox"/> Signature Confirmation Restricted Delivery</p>
<p>PS Form 3811, July 2015 PSN 7530-02-000-9053</p>	<p>Domestic Return Receipt</p>

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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 \$

Postmark
Here

Postage

\$

Total Postage and Fees

\$

Sent To

Street and, F.M. Mayer Investments
P.O. Box 5083
City, State, Denver, CO 80517

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

See Reverse for Instructions.

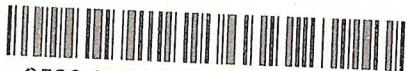
7019 2970 0000 7641 3439

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:

F.M. Mayer Investments
P.O. Box 5083
Denver, CO 80517



9590 9402 5554 9249 4930 47

2. Article Number (Transfer from service label)

7019 2970 0000 7641 3439

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

COMPLETE THIS SECTION ON DELIVERY

A. Signature

[Signature]
B. Received by (Printed Name)
BRYAN SMITH

Agent

Addressee

C. Date of Delivery

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



3. Service Type

- Adult Signature
- Adult Signature Restricted Delivery
- Certified Mail®
- Certified Mail Restricted Delivery
- Collect on Delivery
- Collect on Delivery Restricted Delivery
- Insured Mail
- Insured Mail Restricted Delivery (over \$500)
- Priority Mail Express®
- Registered Mail™
- Registered Mail Restricted Delivery
- Return Receipt for Merchandise
- Signature Confirmation™
- Signature Confirmation Restricted Delivery

Domestic Return Receipt

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Return Receipt (hardcopy) \$ _____

Return Receipt (electronic) \$ _____

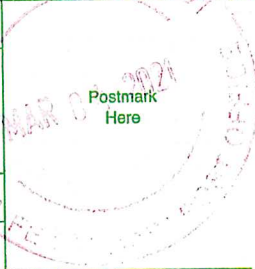
Certified Mail Restricted Delivery \$ _____

Adult Signature Required \$ _____

Adult Signature Restricted Delivery \$ _____

Postage
\$ _____

Total Postage and Fees
\$ _____



Sent To
Great Western Drilling, Ltd.

Street and, 700 W. Louisiana

City, State, Midland, TX 79702

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

7019 2970 0000 7641 3422

COMPLETE THIS SECTION

Complete items 1, 2, and 3.
Write 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,
with the front if space permits.

Addressed to:
Great Western Drilling, Ltd.
700 W. Louisiana
Midland, TX 79702



9590 9402 5554 9249 4988 51

2 Article Number (Transfer from service label)
7019 2970 0000 7641 3422

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X *G. Western* Agent
 Addressee

B. Received by (Printed Name) *COVID-19 - J. S.* C. Date of Delivery *3/8/21*

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

3. Service Type

Adult Signature Priority Mail Express®

Adult Signature Restricted Delivery Registered Mail™

Certified Mail® Registered Mail Restricted Delivery

Certified Mail Restricted Delivery Return Receipt for Merchandise

Collect on Delivery Signature Confirmation™

Collect on Delivery Restricted Delivery Signature Confirmation Restricted Delivery

Insured Mail

Insured Mail Restricted Delivery (over \$500)

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Certified Mail Fee \$ _____

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

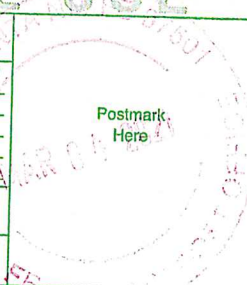
Return Receipt (hardcopy) \$ _____

Return Receipt (electronic) \$ _____

Certified Mail Restricted Delivery \$ _____

Adult Signature Required \$ _____

Adult Signature Restricted Delivery \$ _____



Postage \$ _____

Total Postage and Fees \$ _____

Sent To Jeffrey and Sandra Johnston
 Street and 400 West Illinois, Suite 1600
 City, State, Midland, TX 79701

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"> 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. 	<p>A. Signature X <i>J. Johnston</i> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) <i>COVID-19-72</i> C. Date of Delivery <i>3/22</i></p>
<p>1. Article Addressed to:</p> <p>Jeffrey and Sandra Johnston 400 West Illinois, Suite 1600 Midland, TX 79701</p>	<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If YES, enter delivery address below:</p>
<p>9590 9402 5554 9249 4930 61</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 checked="" 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><input type="checkbox"/> Insured Mail</p> <p><input type="checkbox"/> Insured Mail Restricted Delivery (over \$500)</p>
<p>2. Article Number (Transfer from service label)</p> <p>7019 2970 0000 7641 3415</p>	
<p>PS Form 3811, July 2015 PSN 7530-02-000-9053</p>	<p>Domestic Return Receipt</p>

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7019 2970 0000 7641 3453

Certified Mail Fee \$ _____

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

Return Receipt (hardcopy) \$ _____

Return Receipt (electronic) \$ _____

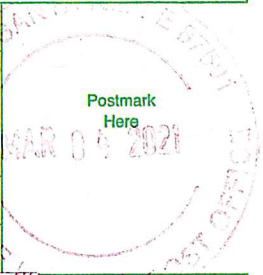
Certified Mail Restricted Delivery \$ _____

Adult Signature Required \$ _____

Adult Signature Restricted Delivery \$ _____

Postage \$ _____

Total Postage and Fees \$ _____



Sent To Occidental Permian Limited Partnership

Street and A 5 Greenway Plaza, Suite 110

City, State, Z... Houston, TX 77046

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

SENDER: COMPLETE THIS SECTION

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- 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:

Occidental Permian Limited Partnership
 5 Greenway Plaza, Suite 110
 Houston, TX 77046

2. Article Number (Transfer from service label)

7019 2970 0000 7641 3453

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X Card (1) Agent Addressee

B. Received by (Printed Name) SLY611 C. Date of Delivery 3-8-4

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

3. Service Type

Adult Signature Priority Mail Express®

Adult Signature Restricted Delivery Registered Mail™

Certified Mail® Certified Mail Restricted Delivery Registered Mail Restricted Delivery

Collect on Delivery Return Receipt for Merchandise

Collect on Delivery Restricted Delivery Signature Confirmation™

Insured Mail Signature Confirmation Restricted Delivery

Insured Mail Restricted Delivery (over \$500)

7019 2970 0000 7641 3392

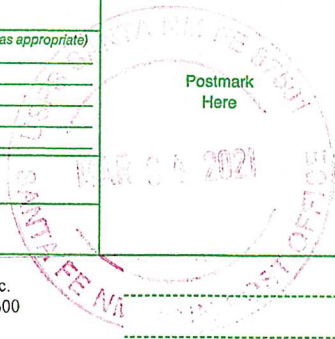
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Certified Mail Fee	\$
Extra Services & Fees (check box, add fee as appropriate)	
<input type="checkbox"/> Return Receipt (hardcopy)	\$
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$
Postage	\$
Total Postage and Fees	\$
Sent To	
Street and	Sand Dollar Petroleum, Inc. 400 West Illinois, Suite 1600
City, State	Midland, TX 79701

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



SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:

Sand Dollar Petroleum, Inc.
 400 West Illinois, Suite 1600
 Midland, TX 79701



2. Article Number (Transfer from service label)
 7019 2970 0000 7641 3392

COMPLETE THIS SECTION ON DELIVERY

A. Signature
 X *J. Johnston* Agent Addressee

B. Received by (Printed Name) *COVID-19-7.2* C. Date of Delivery *3/8/21*

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

3. Service Type
- | | |
|--|---|
| <input type="checkbox"/> Adult Signature | <input type="checkbox"/> Priority Mail Express® |
| <input type="checkbox"/> Adult Signature Restricted Delivery | <input type="checkbox"/> Registered Mail™ |
| <input checked="" type="checkbox"/> Certified Mail® | <input type="checkbox"/> Registered Mail Restricted Delivery |
| <input type="checkbox"/> Certified Mail Restricted Delivery | <input checked="" type="checkbox"/> Return Receipt for Merchandise |
| <input type="checkbox"/> Collect on Delivery | <input type="checkbox"/> Signature Confirmation™ |
| <input type="checkbox"/> Collect on Delivery Restricted Delivery | <input type="checkbox"/> Signature Confirmation Restricted Delivery |
| <input type="checkbox"/> Insured Mail | |
| <input type="checkbox"/> Insured Mail Restricted Delivery (over \$500) | |

7019 2970 0000 7641 3408

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Return Receipt (hardcopy) \$ _____

Return Receipt (electronic) \$ _____

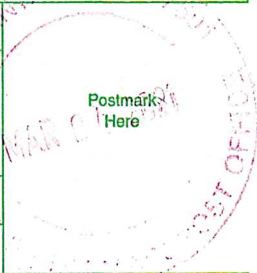
Certified Mail Restricted Delivery \$ _____

Adult Signature Required \$ _____

Adult Signature Restricted Delivery \$ _____

Postage \$ _____

Total Postage and Fees \$ _____



Sent To _____

Street or _____

City, State _____

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

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:

Michael A. Short
110 N. Marienfeld, Suite 200
Midland, TX 79701



2. Article Number (Transfer from service label)

7019 2970 0000 7641 3408

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X S Lopez Agent Addressee

B. Received by (Printed Name) COVID-19 - FA

C. Date of Delivery 3/8/21

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

3. Service Type

Adult Signature Priority Mail Express®

Adult Signature Restricted Delivery Registered Mail™

Certified Mail® Registered Mail Restricted Delivery

Certified Mail Restricted Delivery Return Receipt for Merchandise

Collect on Delivery Signature Confirmation™

Collect on Delivery Restricted Delivery Signature Confirmation Restricted Delivery

Insured Mail

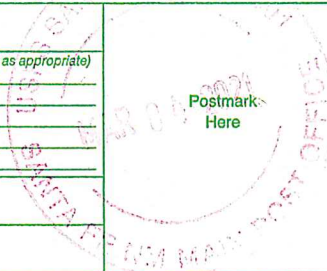
Insured Mail Restricted Delivery (over \$500)

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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		
7 Trainer Partners, Ltd. 200 W. Illinois Avenue, Suite 212 7 Midland, TX 79701		

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"> ■ 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. 	<p>A. Signature <input checked="" type="checkbox"/> Agent <input checked="" type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) <u>PKW</u> C. Date of Delivery <u>03/08/14</u></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 style="text-align: center; font-size: 2em; font-family: cursive;">USPS</p>																
<p>1. Article Addressed to:</p> <p>Trainer Partners, Ltd. 200 W. Illinois Avenue, Suite 212 Midland, TX 79701</p>	<p>3. Service Type</p> <table border="0"> <tr> <td><input type="checkbox"/> Adult Signature</td> <td><input type="checkbox"/> Priority Mail Express®</td> </tr> <tr> <td><input type="checkbox"/> Adult Signature Restricted Delivery</td> <td><input type="checkbox"/> Registered Mail™</td> </tr> <tr> <td><input checked="" type="checkbox"/> Certified Mail®</td> <td><input type="checkbox"/> Registered Mail Restricted Delivery</td> </tr> <tr> <td><input type="checkbox"/> Certified Mail Restricted Delivery</td> <td><input checked="" type="checkbox"/> Return Receipt for Merchandise</td> </tr> <tr> <td><input type="checkbox"/> Collect on Delivery</td> <td><input type="checkbox"/> Signature Confirmation™</td> </tr> <tr> <td><input type="checkbox"/> Collect on Delivery Restricted Delivery</td> <td><input type="checkbox"/> Signature Confirmation Restricted Delivery</td> </tr> <tr> <td><input type="checkbox"/> Insured Mail</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Insured Mail Restricted Delivery (over \$500)</td> <td></td> </tr> </table>	<input type="checkbox"/> Adult Signature	<input type="checkbox"/> Priority Mail Express®	<input type="checkbox"/> Adult Signature Restricted Delivery	<input type="checkbox"/> Registered Mail™	<input checked="" type="checkbox"/> Certified Mail®	<input type="checkbox"/> Registered Mail Restricted Delivery	<input type="checkbox"/> Certified Mail Restricted Delivery	<input checked="" type="checkbox"/> Return Receipt for Merchandise	<input type="checkbox"/> Collect on Delivery	<input type="checkbox"/> Signature Confirmation™	<input type="checkbox"/> Collect on Delivery Restricted Delivery	<input type="checkbox"/> Signature Confirmation Restricted Delivery	<input type="checkbox"/> Insured Mail		<input type="checkbox"/> Insured Mail Restricted Delivery (over \$500)	
<input type="checkbox"/> Adult Signature	<input type="checkbox"/> Priority Mail Express®																
<input type="checkbox"/> Adult Signature Restricted Delivery	<input type="checkbox"/> Registered Mail™																
<input checked="" type="checkbox"/> Certified Mail®	<input type="checkbox"/> Registered Mail Restricted Delivery																
<input type="checkbox"/> Certified Mail Restricted Delivery	<input checked="" type="checkbox"/> Return Receipt for Merchandise																
<input type="checkbox"/> Collect on Delivery	<input type="checkbox"/> Signature Confirmation™																
<input type="checkbox"/> Collect on Delivery Restricted Delivery	<input type="checkbox"/> Signature Confirmation Restricted Delivery																
<input type="checkbox"/> Insured Mail																	
<input type="checkbox"/> Insured Mail Restricted Delivery (over \$500)																	
<p>9. Article Number (Transfer from service label)</p> <p>7019 2970 0000 7641 4085</p>																	

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

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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

\$

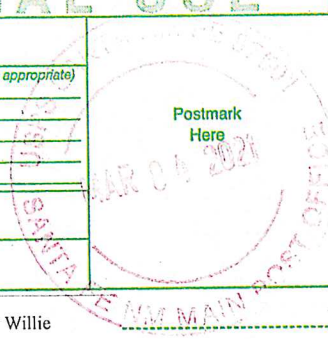
Sent To

----- Estate of Charlene Calvert Willie
Street and 9427 Canyon Mist
----- Helotes, TX 78023
City, State, -----

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

See Reverse for Instructions

7019 2970 0000 7641 4092



Affidavit of Publication

Ad # 0004632103

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HINKLE SHANOR LLP
218 MONTEZUMA


SANTA FE, NM 87501

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

03/06/2021


Legal Clerk

Subscribed and sworn before me this March 6, 2021:


State of WI, County of Brown
NOTARY PUBLIC

8-25-23

My commission expires

SHELLY HORA
Notary Public
State of Wisconsin

Ad # 0004632103
PO #: No. 21752
of Affidavits 1

This is not an invoice

This is to notify all interested parties, including BancTexas Capital, Inc., F.M. Mayer Investments, Great Western Drilling, Ltd., Jeffrey M. and Sandra Johnston, Occidental Permian Limited Partnership, Sand Dollar Petroleum, Inc., Trainer Partners, Ltd., the Estate of Charlene Calvert Willie, Michael A. Short, and their successors and assigns, that the New Mexico Oil Conservation Division will conduct a hearing on an application submitted by Mewbourne Oil Company (Case No. 21752). During the COVID-19 Public Health Emergency, state buildings are closed to the public and hearings will be conducted remotely. The hearing will be conducted on April 8, 2021, beginning at 8:15 a.m. To participate in the electronic hearing, see the instructions posted on the docket for the hearing date: <http://www.emnrd.state.nm.us/OCD/hearings.html>. Applicant seeks an order pooling all uncommitted mineral interests in the Wolfcamp formation in a 240-acre, more or less, standard horizontal spacing unit comprised of the N/2 N/2 of Section 15 and the N/2 NW/4 of Section 14, Township 20 South, Range 29 East in Eddy County, New Mexico. The horizontal spacing unit will be dedicated to the Ithaca 15/14 W0DC Fed Com #1H well, which will be horizontally drilled from a surface location in Unit E of Section 15 to a bottom hole location in Unit C of Section 14, Township 20 South, Range 29 East in Eddy County. The completed interval of the well will be orthodox. Also to be considered will be the costs of drilling and completing the well and the allocation of the costs, the designation of Mewbourne Oil Company as the operator of the well, and a 200% charge for the risk involved in drilling and completing the well. The well is located approximately 10 miles northeast of Carlsbad, New Mexico.
#4632103, Current Argus, Mar. 6, 2021

**MEWBOURNE OIL
COMPANY**
Case No. 21752

Exhibit A-8

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

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

CASE NO. 21752

**SELF-AFFIRMED STATEMENT OF
CHARLES CROSBY**

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 a 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. **Exhibit B-1** is a general location map of the proposed horizontal spacing unit (“HSU”). The approximate wellbore path of the proposed Ithaca 15/14 W0DC Fed Com #1H well is marked by a dashed red arrow line.
5. **Exhibit B-2** is a structure map of the top of the Wolfcamp formation that is representative of the targeted interval. The map demonstrates the formation is dipping to the southeast in this area. I do not observe any faulting, pinch-outs, or geologic impediments to developing the targeted intervals with horizontal wells. This map also contains a cross-section line consisting of wells penetrating the Wolfcamp formation that I used to construct a cross-section from A to A’.

**MEWBOURNE OIL
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Exhibit B

6. **Exhibit B-3** is a gross thickness isopach of the Wolfcamp Sand target interval in the area of interest. The interval has a uniform thickness of approximately 40-45 feet across the HSU.

7. **Exhibit B-4** is a cross-section representative of the Wolfcamp formation in the area. Each well in the cross-section contains a gamma ray, resistivity and porosity log. The landing zone for the proposed well is labeled on the exhibit. The cross-section demonstrates the target interval within the Wolfcamp formation is continuous across the HSU.

8. **Exhibit B-5** is a table showing the production of other Wolfcamp horizontal wells in the area.

9. **Exhibit B-6** is the well plan survey for the proposed well.

10. In my opinion, the lay-down orientation of the proposed well is the preferred orientation for horizontal well development in this area and is appropriate to efficiently and effectively develop the subject acreage.

11. Based on my geologic study of the area, the Wolfcamp formation underlying the subject area and subject HSU is suitable for development by horizontal wells and the tracts comprising the HSU will contribute more or less equally to the production of the well.

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

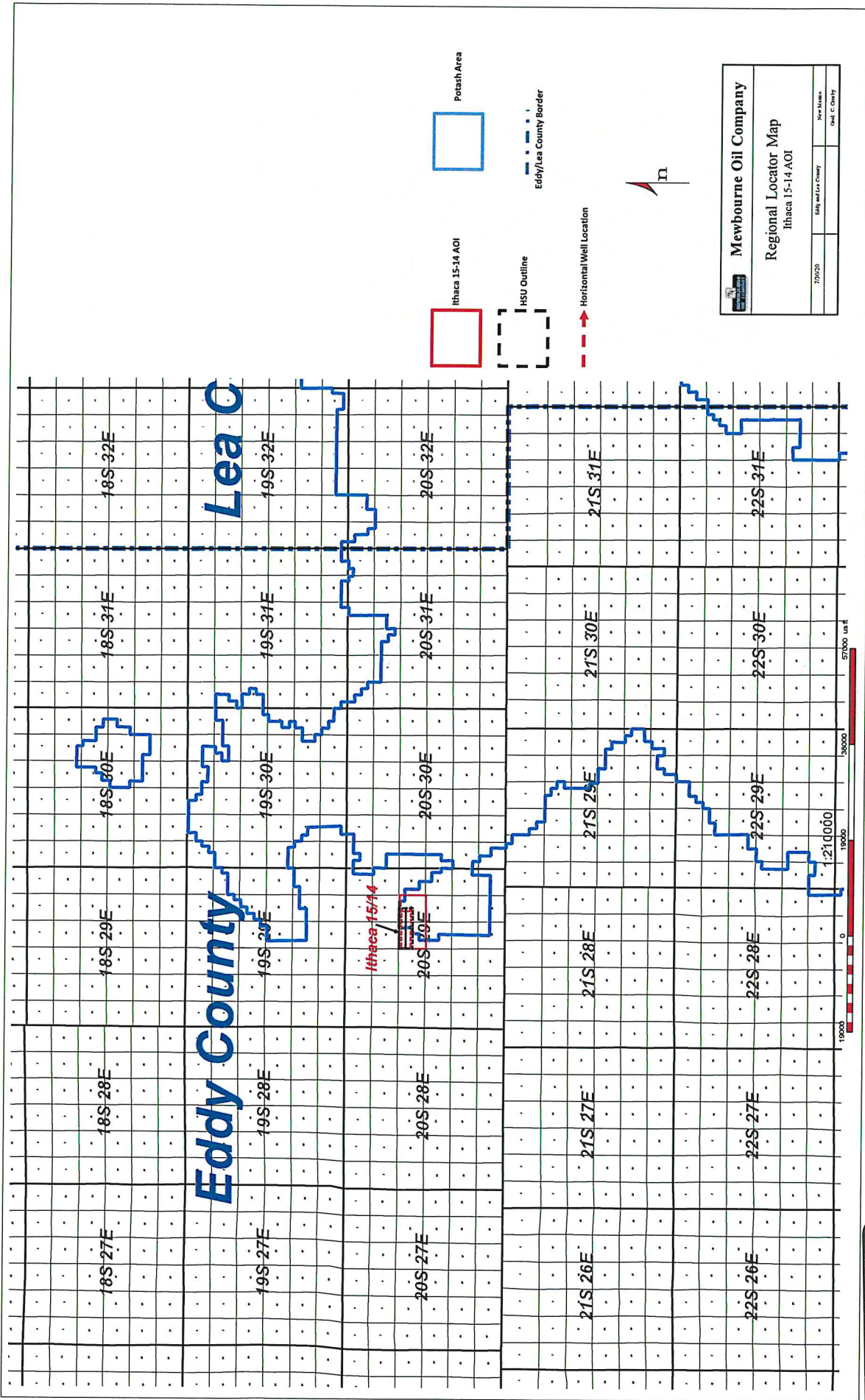
13. The exhibits attached hereto were either prepared by me or under my supervision or were compiled from company business records.

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.

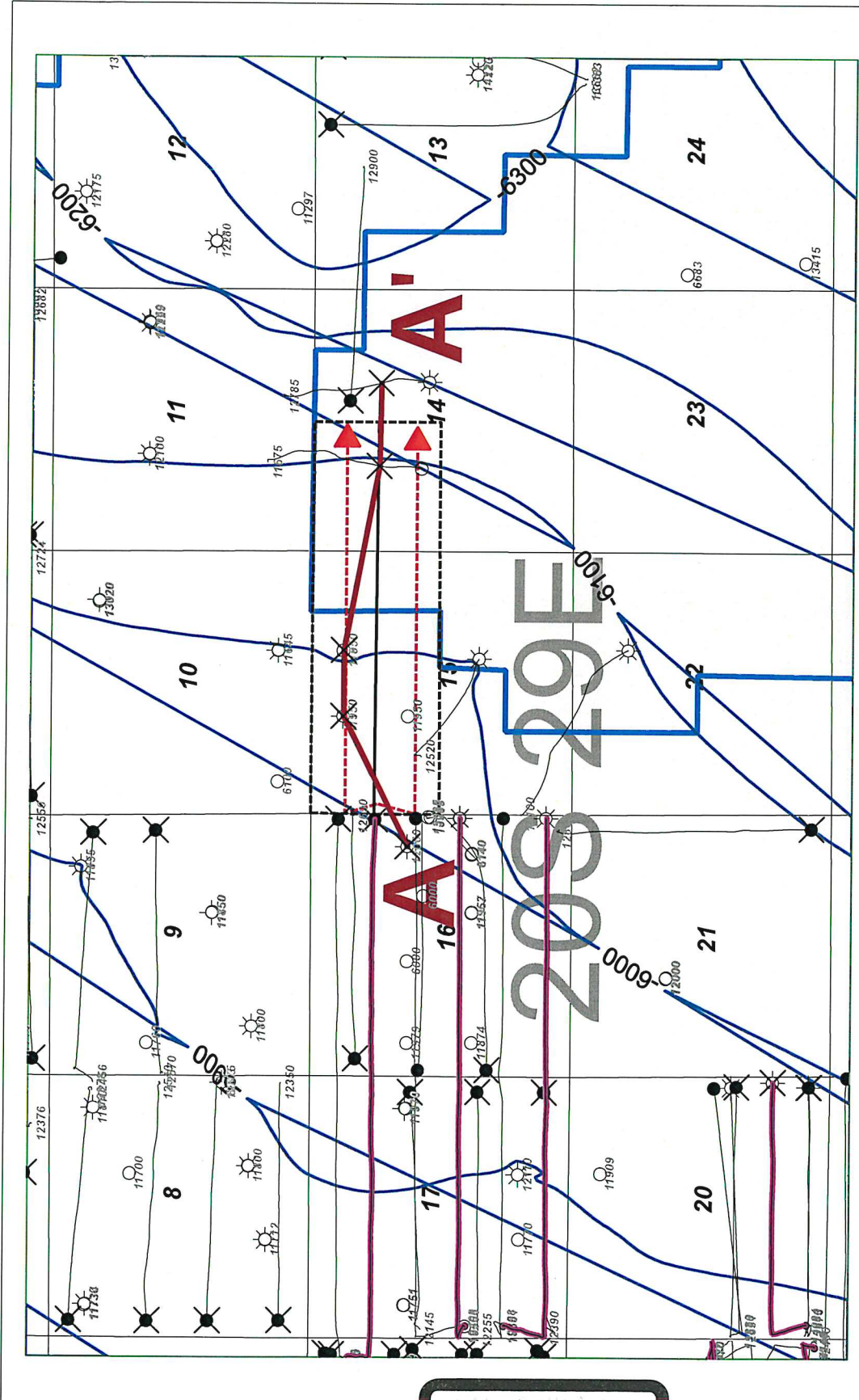
/s/ Charles Crosby
Charles Crosby

04/06/2021
Date



Regional Locator Map Ithaca 15-14 AOI	
7/20/20	Eddy and Lea County
New Mexico	
Dad C. Chivly	

MEWBOURNE OIL COMPANY
 Case No. 21752
 Exhibit B-1



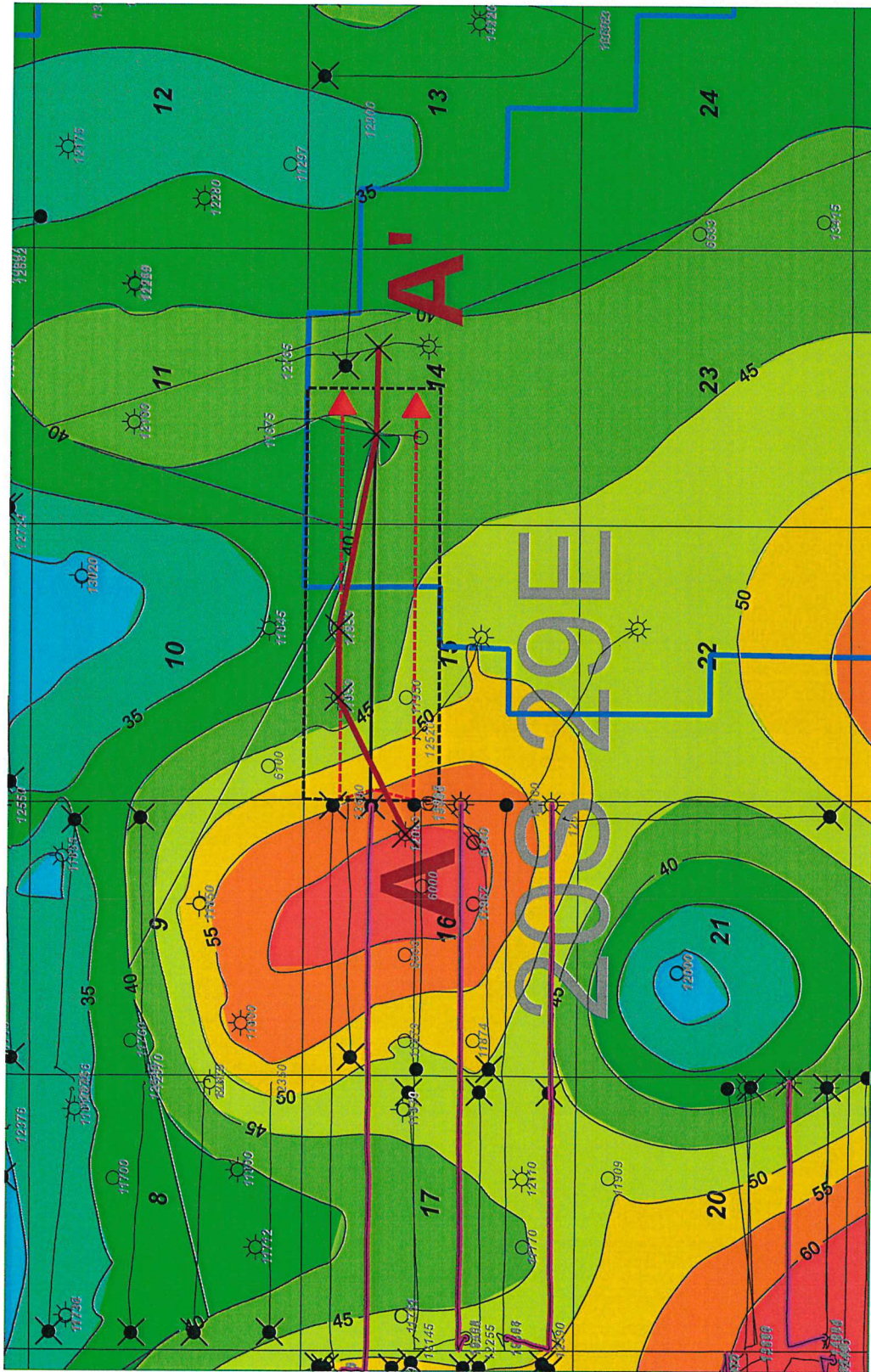
Mewbourne Oil Company

Ithaca 15/14 W0DC Fed Com 1H
 Ithaca 15/14 W0EF Fed Com 1H
 Horizontal Activity Map
 Structure Top of WFMP (C.I. 100')

4/5/2021 Early County New Mexico
 Geat, C. Cruby

MEWBOURNE OIL COMPANY
 Case No. 21752
 Exhibit B-2

● TD
 — Wolfcamp SD Horizontal



Mewbourne Oil Company	
Ithaca 15/14 W0DC Fed Com 1H	
Ithaca 15/14 W0EF Fed Com 1H	
Horizontal Activity Map	
WFMP SD Target Gross Thickness (C.I. 5')	
4/5/2021	Eddy Conway
	New Mexico
	Geol. C. Conway

MEWBOURNE OIL COMPANY
 Case No. 21752
 Exhibit B-3

Ithaca Area Wolfcamp Horizontal Production Table

Well Name	Operator	API	Location	Completion Date	Cum Oil (Mbo)	Cum Gas (Bcf)	Cum Water (Mbw)	NS/EW	Production Zone
Glock 17/16 W0DA Fed Com 3H	Mewbourne	30015434110000	18A/20S/29E	8/31/2019	323.1	0.9	386.1	EW	Wolfcamp Sand
Stebbins 20 Federal 20 Federal 204H	Matador	30015441770000	20M/20S/29E	9/15/2018	208.1	1.3	377.0	EW	Wolfcamp Sand
Glock 17/16 W0MP Federal Com 1H	Mewbourne	30015467330000	17M/20S/29E	9/28/2020	135.8	0.3	173.8	EW	Wolfcamp Sand
Glock 17/16 W0LI Federal Com 1H	Mewbourne	30015467460000	17L/20S/29E	9/30/2020	140.0	0.3	121.0	EW	Wolfcamp Sand

**MEWBOURNE OIL
 COMPANY**
 Case No. 21752
 Exhibit B-5

Mewbourne Oil Company

Eddy County, New Mexico NAD 83

Ithaca 15/14 W0DC Fed Com #1H

Sec. 15, T20S R29E

SHL: 1330' FNL & 205' FWL, Sec. 15

BHL: 660' FNL & 2540' FWL, Sec 14

Plan: Design #1

Standard Planning Report

03 March, 2021

**MEWBOURNE OIL
COMPANY
Case No. 21752**

Exhibit B-6

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Ithaca 15/14 W0DC Fed Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3315.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3315.0usft (Original Well Elev)
Site:	Ithaca 15/14 W0DC Fed Com #1H	North Reference:	Grid
Well:	Sec. 15, T20S R29E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 660' FNL & 2540' FWL, Sec 14		
Design:	Design #1		

Project	Eddy County, New Mexico NAD 83		
Map System:	US State Plane 1983	System Datum:	Ground Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Ithaca 15/14 W0DC Fed Com #1H				
Site Position:		Northing:	573,776.00 usft	Latitude:	32.5770906
From:	Map	Easting:	622,208.00 usft	Longitude:	-104.0707934
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "		

Well	Sec. 15, T20S R29E					
Well Position	+N/-S	0.0 usft	Northing:	573,776.00 usft	Latitude:	32.5770906
	+E/-W	0.0 usft	Easting:	622,208.00 usft	Longitude:	-104.0707934
Position Uncertainty		0.0 usft	Wellhead Elevation:	3,315.0 usft	Ground Level:	3,287.0 usft
Grid Convergence:	0.14 °					

Wellbore	BHL: 660' FNL & 2540' FWL, Sec 14				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	12/31/2014	7.41	60.34	48,395.78475409

Design	Design #1			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	84.94

Plan Survey Tool Program	Date 3/3/2021			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	0.0	Design #1 (BHL: 660' FNL & 2540	

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	

Planning Report

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Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3315.0usft (Original Well Elev)
Site:	Ithaca 15/14 W0DC Fed Com #1H	North Reference:	Grid
Well:	Sec. 15, T20S R29E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 660' FNL & 2540' FWL, Sec 14		
Design:	Design #1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
SHL: 1330' FNL & 205' FWL (15)										
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
3,050.0	0.00	0.00	3,050.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
3,100.0	1.00	343.59	3,100.0	0.4	-0.1	-0.1	2.00	2.00	0.00	0.00
3,200.0	3.00	343.59	3,199.9	3.8	-1.1	-0.8	2.00	2.00	0.00	0.00
3,300.0	5.00	343.59	3,299.7	10.5	-3.1	-2.1	2.00	2.00	0.00	0.00
3,400.0	7.00	343.59	3,399.1	20.5	-6.0	-4.2	2.00	2.00	0.00	0.00
3,420.1	7.40	343.59	3,419.1	22.9	-6.7	-4.7	2.00	2.00	0.00	0.00
3,500.0	7.40	343.59	3,498.3	32.8	-9.7	-6.7	0.00	0.00	0.00	0.00
3,600.0	7.40	343.59	3,597.5	45.1	-13.3	-9.3	0.00	0.00	0.00	0.00
3,700.0	7.40	343.59	3,696.6	57.5	-16.9	-11.8	0.00	0.00	0.00	0.00
3,800.0	7.40	343.59	3,795.8	69.8	-20.6	-14.3	0.00	0.00	0.00	0.00
3,900.0	7.40	343.59	3,895.0	82.2	-24.2	-16.9	0.00	0.00	0.00	0.00
4,000.0	7.40	343.59	3,994.1	94.6	-27.8	-19.4	0.00	0.00	0.00	0.00
4,100.0	7.40	343.59	4,093.3	106.9	-31.5	-21.9	0.00	0.00	0.00	0.00
4,200.0	7.40	343.59	4,192.5	119.3	-35.1	-24.5	0.00	0.00	0.00	0.00
4,300.0	7.40	343.59	4,291.6	131.6	-38.8	-27.0	0.00	0.00	0.00	0.00
4,400.0	7.40	343.59	4,390.8	144.0	-42.4	-29.5	0.00	0.00	0.00	0.00
4,500.0	7.40	343.59	4,490.0	156.4	-46.0	-32.1	0.00	0.00	0.00	0.00
4,600.0	7.40	343.59	4,589.1	168.7	-49.7	-34.6	0.00	0.00	0.00	0.00
4,700.0	7.40	343.59	4,688.3	181.1	-53.3	-37.1	0.00	0.00	0.00	0.00
4,800.0	7.40	343.59	4,787.5	193.4	-57.0	-39.7	0.00	0.00	0.00	0.00
4,900.0	7.40	343.59	4,886.6	205.8	-60.6	-42.2	0.00	0.00	0.00	0.00
5,000.0	7.40	343.59	4,985.8	218.1	-64.2	-44.8	0.00	0.00	0.00	0.00

Planning Report

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Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3315.0usft (Original Well Elev)
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Wellbore:	BHL: 660' FNL & 2540' FWL, Sec 14		
Design:	Design #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,100.0	7.40	343.59	5,085.0	230.5	-67.9	-47.3	0.00	0.00	0.00
5,200.0	7.40	343.59	5,184.1	242.9	-71.5	-49.8	0.00	0.00	0.00
5,300.0	7.40	343.59	5,283.3	255.2	-75.2	-52.4	0.00	0.00	0.00
5,400.0	7.40	343.59	5,382.5	267.6	-78.8	-54.9	0.00	0.00	0.00
5,500.0	7.40	343.59	5,481.6	279.9	-82.4	-57.4	0.00	0.00	0.00
5,600.0	7.40	343.59	5,580.8	292.3	-86.1	-60.0	0.00	0.00	0.00
5,700.0	7.40	343.59	5,680.0	304.7	-89.7	-62.5	0.00	0.00	0.00
5,800.0	7.40	343.59	5,779.1	317.0	-93.3	-65.0	0.00	0.00	0.00
5,900.0	7.40	343.59	5,878.3	329.4	-97.0	-67.6	0.00	0.00	0.00
6,000.0	7.40	343.59	5,977.5	341.7	-100.6	-70.1	0.00	0.00	0.00
6,100.0	7.40	343.59	6,076.6	354.1	-104.3	-72.6	0.00	0.00	0.00
6,200.0	7.40	343.59	6,175.8	366.4	-107.9	-75.2	0.00	0.00	0.00
6,300.0	7.40	343.59	6,275.0	378.8	-111.5	-77.7	0.00	0.00	0.00
6,400.0	7.40	343.59	6,374.1	391.2	-115.2	-80.2	0.00	0.00	0.00
6,500.0	7.40	343.59	6,473.3	403.5	-118.8	-82.8	0.00	0.00	0.00
6,600.0	7.40	343.59	6,572.5	415.9	-122.5	-85.3	0.00	0.00	0.00
6,700.0	7.40	343.59	6,671.6	428.2	-126.1	-87.8	0.00	0.00	0.00
6,800.0	7.40	343.59	6,770.8	440.6	-129.7	-90.4	0.00	0.00	0.00
6,900.0	7.40	343.59	6,870.0	452.9	-133.4	-92.9	0.00	0.00	0.00
7,000.0	7.40	343.59	6,969.1	465.3	-137.0	-95.5	0.00	0.00	0.00
7,100.0	7.40	343.59	7,068.3	477.7	-140.7	-98.0	0.00	0.00	0.00
7,200.0	7.40	343.59	7,167.5	490.0	-144.3	-100.5	0.00	0.00	0.00
7,300.0	7.40	343.59	7,266.6	502.4	-147.9	-103.1	0.00	0.00	0.00
7,400.0	7.40	343.59	7,365.8	514.7	-151.6	-105.6	0.00	0.00	0.00
7,500.0	7.40	343.59	7,465.0	527.1	-155.2	-108.1	0.00	0.00	0.00
7,600.0	7.40	343.59	7,564.1	539.5	-158.9	-110.7	0.00	0.00	0.00
7,700.0	7.40	343.59	7,663.3	551.8	-162.5	-113.2	0.00	0.00	0.00
7,800.0	7.40	343.59	7,762.5	564.2	-166.1	-115.7	0.00	0.00	0.00
7,900.0	7.40	343.59	7,861.6	576.5	-169.8	-118.3	0.00	0.00	0.00
8,000.0	7.40	343.59	7,960.8	588.9	-173.4	-120.8	0.00	0.00	0.00
8,100.0	7.40	343.59	8,060.0	601.2	-177.0	-123.3	0.00	0.00	0.00
8,200.0	7.40	343.59	8,159.1	613.6	-180.7	-125.9	0.00	0.00	0.00
8,300.0	7.40	343.59	8,258.3	626.0	-184.3	-128.4	0.00	0.00	0.00
8,400.0	7.40	343.59	8,357.5	638.3	-188.0	-130.9	0.00	0.00	0.00
8,463.0	7.40	343.59	8,419.9	646.1	-190.3	-132.5	0.00	0.00	0.00
8,500.0	6.66	343.59	8,456.7	650.4	-191.5	-133.4	2.00	-2.00	0.00
8,600.0	4.66	343.59	8,556.2	659.9	-194.3	-135.4	2.00	-2.00	0.00
8,700.0	2.66	343.59	8,656.0	666.0	-196.1	-136.6	2.00	-2.00	0.00
8,800.0	0.66	343.59	8,755.9	668.8	-196.9	-137.2	2.00	-2.00	0.00
8,833.1	0.00	0.00	8,789.0	669.0	-197.0	-137.2	2.00	-2.00	0.00
KOP: 660' FNL & 10' FWL (15)									
8,850.0	1.69	89.96	8,805.9	669.0	-196.8	-137.0	10.00	10.00	0.00
8,900.0	6.69	89.96	8,855.8	669.0	-193.1	-133.4	10.00	10.00	0.00
8,950.0	11.69	89.96	8,905.1	669.0	-185.1	-125.4	10.00	10.00	0.00
9,000.0	16.69	89.96	8,953.6	669.0	-172.9	-113.2	10.00	10.00	0.00
9,050.0	21.69	89.96	9,000.8	669.0	-156.4	-96.8	10.00	10.00	0.00
9,100.0	26.69	89.96	9,046.4	669.0	-136.0	-76.4	10.00	10.00	0.00
9,150.0	31.68	89.96	9,090.0	669.1	-111.6	-52.2	10.00	10.00	0.00
9,200.0	36.68	89.96	9,131.4	669.1	-83.5	-24.2	10.00	10.00	0.00
9,250.0	41.68	89.96	9,170.1	669.1	-51.9	7.3	10.00	10.00	0.00
9,300.0	46.68	89.96	9,206.0	669.1	-17.1	42.0	10.00	10.00	0.00
9,350.0	51.68	89.96	9,238.6	669.2	20.7	79.7	10.00	10.00	0.00
9,400.0	56.68	89.96	9,267.9	669.2	61.3	120.0	10.00	10.00	0.00

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Ithaca 15/14 W0DC Fed Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3315.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3315.0usft (Original Well Elev)
Site:	Ithaca 15/14 W0DC Fed Com #1H	North Reference:	Grid
Well:	Sec. 15, T20S R29E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 660' FNL & 2540' FWL, Sec 14		
Design:	Design #1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
9,450.0	61.68	89.96	9,293.5	669.2	104.2	162.8	10.00	10.00	0.00	
9,453.2	61.99	89.96	9,295.0	669.2	107.0	165.6	10.00	10.00	0.00	
FTP: 660' FNL & 100' FWL (15)										
9,500.0	66.67	89.96	9,315.3	669.3	149.2	207.6	10.00	10.00	0.00	
9,550.0	71.67	89.96	9,333.0	669.3	195.9	254.2	10.00	10.00	0.00	
9,600.0	76.67	89.96	9,346.7	669.3	244.0	302.1	10.00	10.00	0.00	
9,650.0	81.67	89.96	9,356.1	669.4	293.1	351.0	10.00	10.00	0.00	
9,700.0	86.67	89.96	9,361.1	669.4	342.8	400.5	10.00	10.00	0.00	
9,722.2	88.89	89.96	9,362.0	669.4	365.0	422.6	10.00	10.00	0.00	
9,733.2	88.89	89.96	9,362.2	669.4	376.0	433.6	0.00	0.00	0.00	
LP: 660' FNL & 583' FWL (15)										
9,800.0	88.89	89.96	9,363.5	669.5	442.8	500.1	0.00	0.00	0.00	
9,900.0	88.89	89.96	9,365.5	669.6	542.8	599.7	0.00	0.00	0.00	
10,000.0	88.89	89.96	9,367.4	669.6	642.7	699.3	0.00	0.00	0.00	
10,100.0	88.89	89.96	9,369.3	669.7	742.7	798.9	0.00	0.00	0.00	
10,200.0	88.89	89.96	9,371.3	669.8	842.7	898.5	0.00	0.00	0.00	
10,300.0	88.89	89.96	9,373.2	669.9	942.7	998.1	0.00	0.00	0.00	
10,400.0	88.89	89.96	9,375.2	670.0	1,042.7	1,097.7	0.00	0.00	0.00	
10,500.0	88.89	89.96	9,377.1	670.0	1,142.6	1,197.3	0.00	0.00	0.00	
10,600.0	88.89	89.96	9,379.0	670.1	1,242.6	1,296.9	0.00	0.00	0.00	
10,700.0	88.89	89.96	9,381.0	670.2	1,342.6	1,396.5	0.00	0.00	0.00	
10,800.0	88.89	89.96	9,382.9	670.3	1,442.6	1,496.1	0.00	0.00	0.00	
10,900.0	88.89	89.96	9,384.9	670.3	1,542.6	1,595.7	0.00	0.00	0.00	
11,000.0	88.89	89.96	9,386.8	670.4	1,642.6	1,695.3	0.00	0.00	0.00	
11,100.0	88.89	89.96	9,388.8	670.5	1,742.5	1,794.9	0.00	0.00	0.00	
11,200.0	88.89	89.96	9,390.7	670.6	1,842.5	1,894.5	0.00	0.00	0.00	
11,300.0	88.89	89.96	9,392.6	670.6	1,942.5	1,994.1	0.00	0.00	0.00	
11,400.0	88.89	89.96	9,394.6	670.7	2,042.5	2,093.7	0.00	0.00	0.00	
11,500.0	88.89	89.96	9,396.5	670.8	2,142.5	2,193.3	0.00	0.00	0.00	
11,600.0	88.89	89.96	9,398.5	670.9	2,242.4	2,292.9	0.00	0.00	0.00	
11,700.0	88.89	89.96	9,400.4	670.9	2,342.4	2,392.5	0.00	0.00	0.00	
11,800.0	88.89	89.96	9,402.3	671.0	2,442.4	2,492.1	0.00	0.00	0.00	
11,900.0	88.89	89.96	9,404.3	671.1	2,542.4	2,591.7	0.00	0.00	0.00	
12,000.0	88.89	89.96	9,406.2	671.2	2,642.4	2,691.3	0.00	0.00	0.00	
12,100.0	88.89	89.96	9,408.2	671.3	2,742.3	2,790.9	0.00	0.00	0.00	
12,200.0	88.89	89.96	9,410.1	671.3	2,842.3	2,890.5	0.00	0.00	0.00	
12,300.0	88.89	89.96	9,412.1	671.4	2,942.3	2,990.1	0.00	0.00	0.00	
12,400.0	88.89	89.96	9,414.0	671.5	3,042.3	3,089.6	0.00	0.00	0.00	
12,500.0	88.89	89.96	9,415.9	671.6	3,142.3	3,189.2	0.00	0.00	0.00	
12,600.0	88.89	89.96	9,417.9	671.6	3,242.3	3,288.8	0.00	0.00	0.00	
12,700.0	88.89	89.96	9,419.8	671.7	3,342.2	3,388.4	0.00	0.00	0.00	
12,800.0	88.89	89.96	9,421.8	671.8	3,442.2	3,488.0	0.00	0.00	0.00	
12,900.0	88.89	89.96	9,423.7	671.9	3,542.2	3,587.6	0.00	0.00	0.00	
13,000.0	88.89	89.96	9,425.6	671.9	3,642.2	3,687.2	0.00	0.00	0.00	
13,100.0	88.89	89.96	9,427.6	672.0	3,742.2	3,786.8	0.00	0.00	0.00	
13,200.0	88.89	89.96	9,429.5	672.1	3,842.1	3,886.4	0.00	0.00	0.00	
13,300.0	88.89	89.96	9,431.5	672.2	3,942.1	3,986.0	0.00	0.00	0.00	
13,400.0	88.89	89.96	9,433.4	672.3	4,042.1	4,085.6	0.00	0.00	0.00	
13,500.0	88.89	89.96	9,435.4	672.3	4,142.1	4,185.2	0.00	0.00	0.00	
13,600.0	88.89	89.96	9,437.3	672.4	4,242.1	4,284.8	0.00	0.00	0.00	
13,700.0	88.89	89.96	9,439.2	672.5	4,342.0	4,384.4	0.00	0.00	0.00	
13,800.0	88.89	89.96	9,441.2	672.6	4,442.0	4,484.0	0.00	0.00	0.00	
13,900.0	88.89	89.96	9,443.1	672.6	4,542.0	4,583.6	0.00	0.00	0.00	
14,000.0	88.89	89.96	9,445.1	672.7	4,642.0	4,683.2	0.00	0.00	0.00	

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Ithaca 15/14 W0DC Fed Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3315.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3315.0usft (Original Well Elev)
Site:	Ithaca 15/14 W0DC Fed Com #1H	North Reference:	Grid
Well:	Sec. 15, T20S R29E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 660' FNL & 2540' FWL, Sec 14		
Design:	Design #1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
14,100.0	88.89	89.96	9,447.0	672.8	4,742.0	4,782.8	0.00	0.00	0.00	
14,200.0	88.89	89.96	9,448.9	672.9	4,841.9	4,882.4	0.00	0.00	0.00	
14,300.0	88.89	89.96	9,450.9	672.9	4,941.9	4,982.0	0.00	0.00	0.00	
14,400.0	88.89	89.96	9,452.8	673.0	5,041.9	5,081.6	0.00	0.00	0.00	
14,443.1	88.89	89.96	9,453.7	673.1	5,085.0	5,124.5	0.00	0.00	0.00	
PPP2: 660' FNL & 0' FWL (14)										
14,500.0	88.89	89.96	9,454.8	673.1	5,141.9	5,181.2	0.00	0.00	0.00	
14,600.0	88.89	89.96	9,456.7	673.2	5,241.9	5,280.8	0.00	0.00	0.00	
14,700.0	88.89	89.96	9,458.7	673.2	5,341.9	5,380.4	0.00	0.00	0.00	
14,800.0	88.89	89.96	9,460.6	673.3	5,441.8	5,480.0	0.00	0.00	0.00	
14,900.0	88.89	89.96	9,462.5	673.4	5,541.8	5,579.6	0.00	0.00	0.00	
15,000.0	88.89	89.96	9,464.5	673.5	5,641.8	5,679.2	0.00	0.00	0.00	
15,100.0	88.89	89.96	9,466.4	673.6	5,741.8	5,778.8	0.00	0.00	0.00	
15,200.0	88.89	89.96	9,468.4	673.6	5,841.8	5,878.4	0.00	0.00	0.00	
15,300.0	88.89	89.96	9,470.3	673.7	5,941.7	5,978.0	0.00	0.00	0.00	
15,400.0	88.89	89.96	9,472.3	673.8	6,041.7	6,077.6	0.00	0.00	0.00	
15,500.0	88.89	89.96	9,474.2	673.9	6,141.7	6,177.2	0.00	0.00	0.00	
15,600.0	88.89	89.96	9,476.1	673.9	6,241.7	6,276.8	0.00	0.00	0.00	
15,700.0	88.89	89.96	9,478.1	674.0	6,341.7	6,376.4	0.00	0.00	0.00	
15,800.0	88.89	89.96	9,480.0	674.1	6,441.6	6,476.0	0.00	0.00	0.00	
15,900.0	88.89	89.96	9,482.0	674.2	6,541.6	6,575.6	0.00	0.00	0.00	
16,000.0	88.89	89.96	9,483.9	674.2	6,641.6	6,675.2	0.00	0.00	0.00	
16,100.0	88.89	89.96	9,485.8	674.3	6,741.6	6,774.8	0.00	0.00	0.00	
16,200.0	88.89	89.96	9,487.8	674.4	6,841.6	6,874.4	0.00	0.00	0.00	
16,300.0	88.89	89.96	9,489.7	674.5	6,941.6	6,974.0	0.00	0.00	0.00	
16,400.0	88.89	89.96	9,491.7	674.6	7,041.5	7,073.6	0.00	0.00	0.00	
16,500.0	88.89	89.96	9,493.6	674.6	7,141.5	7,173.2	0.00	0.00	0.00	
16,600.0	88.89	89.96	9,495.6	674.7	7,241.5	7,272.8	0.00	0.00	0.00	
16,700.0	88.89	89.96	9,497.5	674.8	7,341.5	7,372.4	0.00	0.00	0.00	
16,800.0	88.89	89.96	9,499.4	674.9	7,441.5	7,472.0	0.00	0.00	0.00	
16,900.0	88.89	89.96	9,501.4	674.9	7,541.4	7,571.6	0.00	0.00	0.00	
16,983.6	88.89	89.96	9,503.0	675.0	7,625.0	7,654.8	0.00	0.00	0.00	
BHL: 660' FNL & 2540' FWL (14)										

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Ithaca 15/14 W0DC Fed Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3315.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3315.0usft (Original Well Elev)
Site:	Ithaca 15/14 W0DC Fed Com #1H	North Reference:	Grid
Well:	Sec. 15, T20S R29E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 660' FNL & 2540' FWL, Sec 14		
Design:	Design #1		

Design Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
SHL: 1330' FNL & 205' F - plan hits target center - Point	0.00	0.00	0.0	0.0	0.0	573,776.00	622,208.00	32.5770906	-104.0707934
KOP: 660' FNL & 10' FW - plan hits target center - Point	0.00	0.00	8,789.0	669.0	-197.0	574,445.00	622,011.00	32.5789308	-104.0714276
FTP: 660' FNL & 100' Fv - plan hits target center - Point	0.00	0.00	9,295.0	669.2	107.0	574,445.24	622,315.00	32.5789294	-104.0704407
LP: 660' FNL & 583' FW - plan hits target center - Point	0.00	0.00	9,362.2	669.4	376.0	574,445.44	622,584.00	32.5789281	-104.0695674
PPP2: 660' FNL & 0' FW - plan hits target center - Point	0.00	0.00	9,453.7	673.1	5,085.0	574,449.05	627,293.00	32.5789050	-104.0542798
BHL: 660' FNL & 2540' F - plan hits target center - Point	0.00	0.00	9,503.0	675.0	7,625.0	574,451.00	629,833.00	32.5788918	-104.0460337