

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

**APPLICATION OF MEWBOURNE OIL
COMPANY TO AMEND ORDER NO. R-21428,
EDDY COUNTY, NEW MEXICO.**

**CASE NO. 21753
ORDER NO. R-21428**

**MEWBOURNE OIL COMPANY'S
HEARING EXHIBITS**

- | | |
|-----------|--|
| 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 | AFE(s) |
| A-6 | Hearing Notice Letter and Return Receipts |
| A-7 | 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 |

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

APPLICATION OF MEWBOURNE OIL
COMPANY TO AMEND ORDER NO. R-21428,
EDDY COUNTY, NEW MEXICO.

CASE NO. 21753
ORDER NO. R-21428

**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 of the subject acreage within Mewbourne’s application in this case. A copy of the application and proposed notice of hearing are attached as **Exhibit A-1**.

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

4. None of the parties have indicated opposition to this case proceeding by affidavit, therefore I do not expect any opposition at hearing.

5. Division Order No. R-21428, entered on August 18, 2020 in Case No. 21358, approved a 480-acre, more or less, standard proximity tract horizontal spacing unit comprised of the N/2 of Section 15 and the NW/4 of Section 14, Township 20 South, Range 29 East in Eddy County, New Mexico (“the Unit”) and designated Mewbourne as the operator of the Unit. Order No. R-21428 further pooled the uncommitted interests in the Wolfcamp formation (Burton Flat, Upper Wolfcamp Pool, Code 98315) and dedicated the Unit to the Ithaca 15/14 W0EF Fed Com



#1H well, which was to be horizontally drilled from a surface location 1360' FNL and 205' FWL (Unit E) in Section 15 to a bottom hole location 1360' FNL and 2540' FWL (Unit F) in Section 14, Township 20 South, Range 29 East in Eddy County. Order No. R-21428 required Mewbourne to commence drilling the well within one year from the date of the order.

6. Since Order No. R-21428 was issued, Mewbourne has revised its development plans and intends to complete an additional Wolfcamp well (the Ithaca 15/14 W0DC Fed Com #1H) in the N/2N/2 of Section 15 and the N/2 NW/4 of Section 14.

7. Mewbourne plans to dedicate the Ithaca 15/14 W0DC well to a 240-acre horizontal spacing unit comprised of the N2/N2 of Section 15 and the N/2NW/4 of Section 14 (see Case No. 21752).

8. As such, Mewbourne seeks to amend the Unit for the Ithaca 15/14 W0EF Fed Com #1H well so that it consists of a 240-acre, more or less, standard horizontal spacing unit comprised of the S/2N/2 of Section 15 and the S/2NW/4 of Section 14. A Midland Map depicting the Unit is attached as **Exhibit A-2**.

9. Mewbourne also proposes to amend the location of the proposed Ithaca 15/14 W0EF Fed Com #1H well so that the well will be horizontally drilled from a surface location approximately 1360' FNL and 205' FWL (Unit E) in Section 15 to a bottom hole location approximately 2100' FNL and 2540' FWL (Unit F) in Section 14.

10. As a result of these changes and because Mewbourne plans to drill the Ithaca 15/14 W0EF Fed Com #1H and Ithaca 15/14 W0DC Fed Com #1H wells simultaneously, Mewbourne requests an extension of its deadline to commence drilling the Ithaca 15/14 W0EF Fed Com 1H well until one-year after the date of the Division's new order in this case.

11. Mewbourne is in good standing under state-wide rules and regulations with respect to Order No. R-21428.

12. **Exhibit A-3** contains a revised draft C-102 for the Ithaca 15/14 W0EF Fed Com #1H well.

13. **Exhibit A-4** is a plat of the tracts comprising the proposed spacing unit in this case and identifies the interest ownership, interest type by tract, and unit recapitulation.

14. **Exhibit A-5** contains updated AFEs for the proposed well. The estimated cost of the well is fair and reasonable and is comparable to the cost of other wells of similar depth and length drilled in Eddy County.

15. 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. They are also the rates set forth in the Joint Operating Agreement for the HSU. Mewbourne further requests that the rates be adjusted periodically in accordance with the COPAS Accounting Procedure.

16. At my direction, notice of Mewbourne's application and the Division hearing was provided to the interested parties at least 20 days prior to the hearing date. The notice letter and associated receipts are attached as **Exhibit A-6**.

17. Notice of Mewbourne's application and the Division hearing was published more than ten business days prior to the hearing date. The affidavits of publication are attached as **Exhibit A-7**.

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

19. 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.

20. 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 19 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 TO AMEND ORDER NO. R-21428,
EDDY COUNTY, NEW MEXICO**

**Case No. 21753
Order No. R-21428**

APPLICATION

Mewbourne Oil Company (“Mewbourne”) (OGRID No. 14744), by and through the undersigned counsel, files this application requesting that the Oil Conservation Division (“Division”) amend Order No. R-21428 to: (1) revise the location of the Ithaca 15/14 W0EF Fed Com #1H well; (2) amend the horizontal spacing unit dedicated to the well; and (3) extend the deadline for Mewbourne to commence drilling the well until one year after the date of the Division’s new order. In support of its application, Mewbourne states the following.

1. Division Order No. R-21428, entered on August 18, 2020 in Case No. 21358, approved a 480-acre, more or less, standard proximity tract horizontal spacing unit comprised of the N/2 of Section 15 and the NW/4 of Section 14, Township 20 South, Range 29 East in Eddy County, New Mexico (“the Unit”) and designated Mewbourne as the operator of the Unit. Order No. R-21428 further pooled the uncommitted interests in the Wolfcamp formation (Burton Flat, Upper Wolfcamp Pool, Code 98315) and dedicated the Unit to the Ithaca 15/14 W0EF Fed Com #1H well, which was to be horizontally drilled from a surface location 1360’ FNL and 205’ FWL (Unit E) in Section 15 to a bottom hole location 1360’ FNL and 2540’ FWL (Unit F) in Section 14, Township 20 South, Range 29 East in Eddy County. Order No. R-21428 required Mewbourne to commence drilling the well within one year from the date of the order.



2. Since Order No. R-21428 was issued, Mewbourne has revised its development plans and intends to complete an additional Wolfcamp well (the Ithaca 15/14 W0DC Fed Com #1H) in the N/2 N/2 of Section 15 and the N/2 NW/4 of Section 14. Accordingly, Mewbourne seeks to amend the Unit for the proposed Ithaca 15/14 W0EF Fed Com #1H well so that it consists of a 240-acre, more or less, standard horizontal spacing unit that includes the S/2 N/2 of Section 15 and the S/2 NW/4 of Section 14.

3. Mewbourne also proposes to amend the location of the proposed Ithaca 15/14 W0EF Fed Com #1H well so that the well will be horizontally drilled from a surface location approximately 1360' FNL and 205' FWL (Unit E) in Section 15 to a bottom hole location approximately 2100' FNL and 2540' FWL (Unit F) in Section 14.

4. The completed interval of the well will be orthodox.

5. As a result of these changes and because Mewbourne plans to drill the Ithaca 15/14 W0EF Fed Com #1H and Ithaca 15/14 W0DC Fed Com #1H wells simultaneously, Mewbourne requests an extension of its deadline to commence drilling the Ithaca 15/14 W0EF Fed Com 1H well until one-year after the date of the Division's new order.

6. Amending the Unit dedicated to the Ithaca 15/14 W0EF Fed Com #1H well and the location of the proposed well, and extending Mewbourne's deadline to commence drilling the well, will prevent the drilling of unnecessary wells, prevent waste, and protect correlative rights.

7. In order to allow Mewbourne to obtain its just and fair share of the oil and gas underlying the subject lands, Order No. R-21428 should be amended as set forth above.

8. Mewbourne requests that the other terms of Order No. R-21428 remain in effect.

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. Amending the horizontal spacing unit for the Ithaca 15/14 W0EF Fed Com #1H well to consist of a 240-acre, more or less, standard horizontal spacing unit that includes the S/2 N/2 of Section 15 and the S/2 NW/4 of Section 14;
- B. Amending the location of the Ithaca 15/14 W0EF Fed Com #1H well as set forth above; and
- C. Extending the deadline for Mewbourne to commence drilling the well until one year after the date of the Division's new order.

Respectfully submitted,

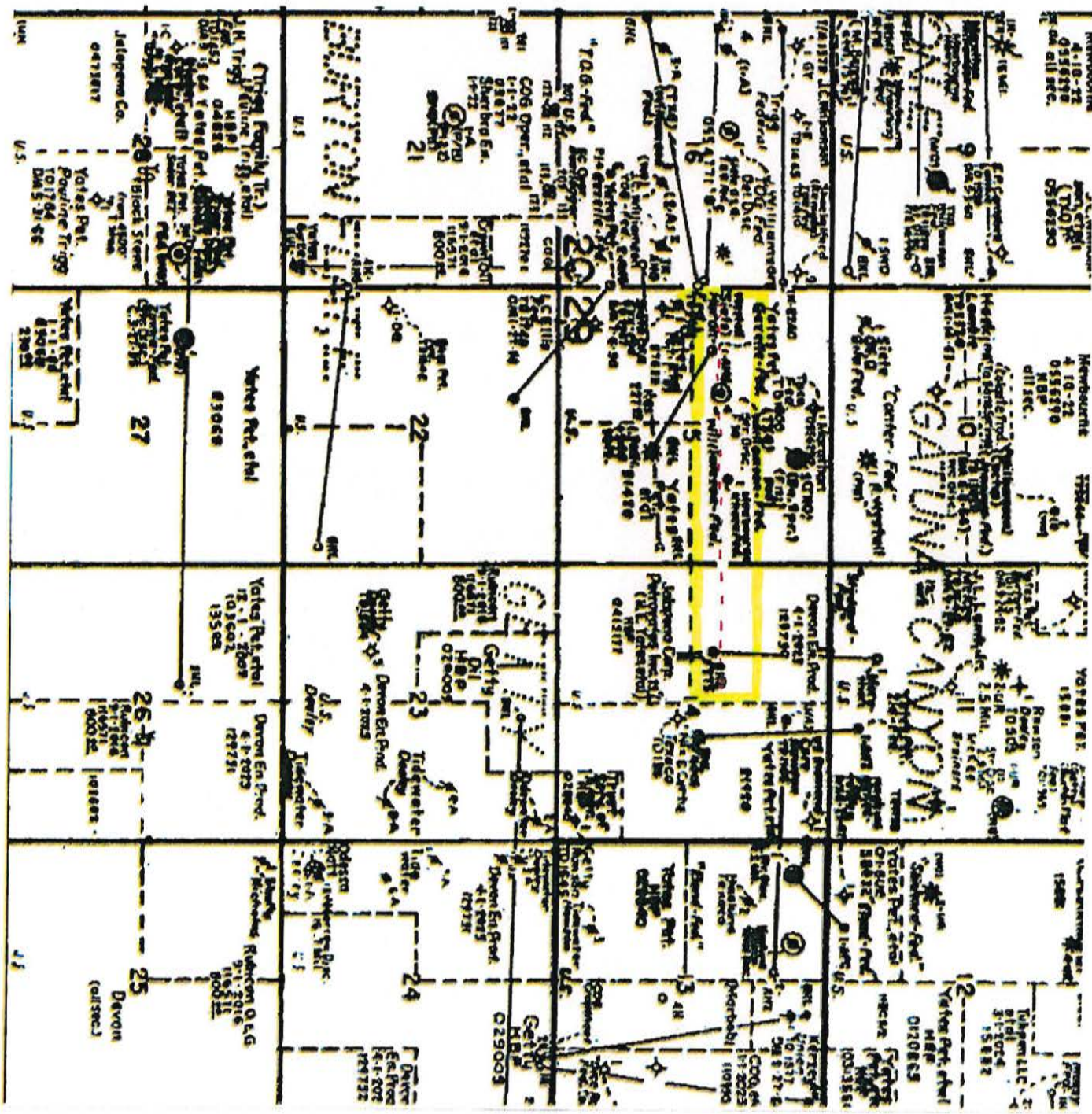
HINKLE SHANOR LLP

/s/ Dana S. Hardy

Dana S. Hardy
Dioscoro "Andy" Blanco
P.O. Box 2068
Santa Fe, NM 87504-2068
Phone: (505) 982-4554
Facsimile: (505) 982-8623
dhardy@hinklelawfirm.com
dblanc@hinklelawfirm.com

Counsel for Mewbourne Oil Company

Application of Mewbourne Oil Company to Amend Order No. R-21428, Eddy County, New Mexico. Oil Conservation Division Order No. R-21428, entered on August 18, 2020 in Case No. 21358: approved a 480-acre, more or less, standard proximity tract horizontal spacing unit comprised of the N/2 of Section 15 and the NW/4 of Section 14, Township 20 South, Range 29 East in Eddy County, New Mexico (“the Unit”); designated Mewbourne as the operator of the Unit; pooled the uncommitted interests in the Wolfcamp formation (Burton Flat, Upper Wolfcamp Pool, Code 98315); and dedicated the Unit to the Ithaca 15/14 W0EF Fed Com #1H well, which was to be horizontally drilled from a surface location 1360’ FNL and 205’ FWL (Unit E) in Section 15 to a bottom hole location 1360’ FNL and 2540’ FWL (Unit F) in Section 14. The order required Mewbourne to commence drilling the well within one year from the date of the order. Mewbourne seeks to: amend the horizontal spacing unit for the proposed Ithaca 15/14 W0EF Fed Com #1H well to consist of a 240-acre, more or less, standard horizontal spacing unit that includes the S/2 N/2 of Section 15 and the S/2 NW/4 of Section 14; amend the location of the proposed Ithaca 15/14 W0EF Fed Com #1H well so that the well will be horizontally drilled from a surface location approximately 1360’ FNL and 205’ FWL (Unit E) in Section 15 to a bottom hole location approximately 2100’ FNL and 2540’ FWL (Unit F) in Section 14; and seeks an extension of the deadline to commence drilling the well until one year after the date of the new order. The proposed well is located approximately 10 miles northeast of Carlsbad, New Mexico.



MEWBOURNE OIL
 COMPANY
 Case No. 21753
 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 EAST OIL	
⁴ Property Code		⁵ Property Name ITHACA 15/14 WOE F FED COM			⁶ Well Number 1H
⁷ OGRID NO. 14744		⁸ Operator Name MEWBOURNE OIL COMPANY			⁹ Elevation 3288'

¹⁰ Surface Location

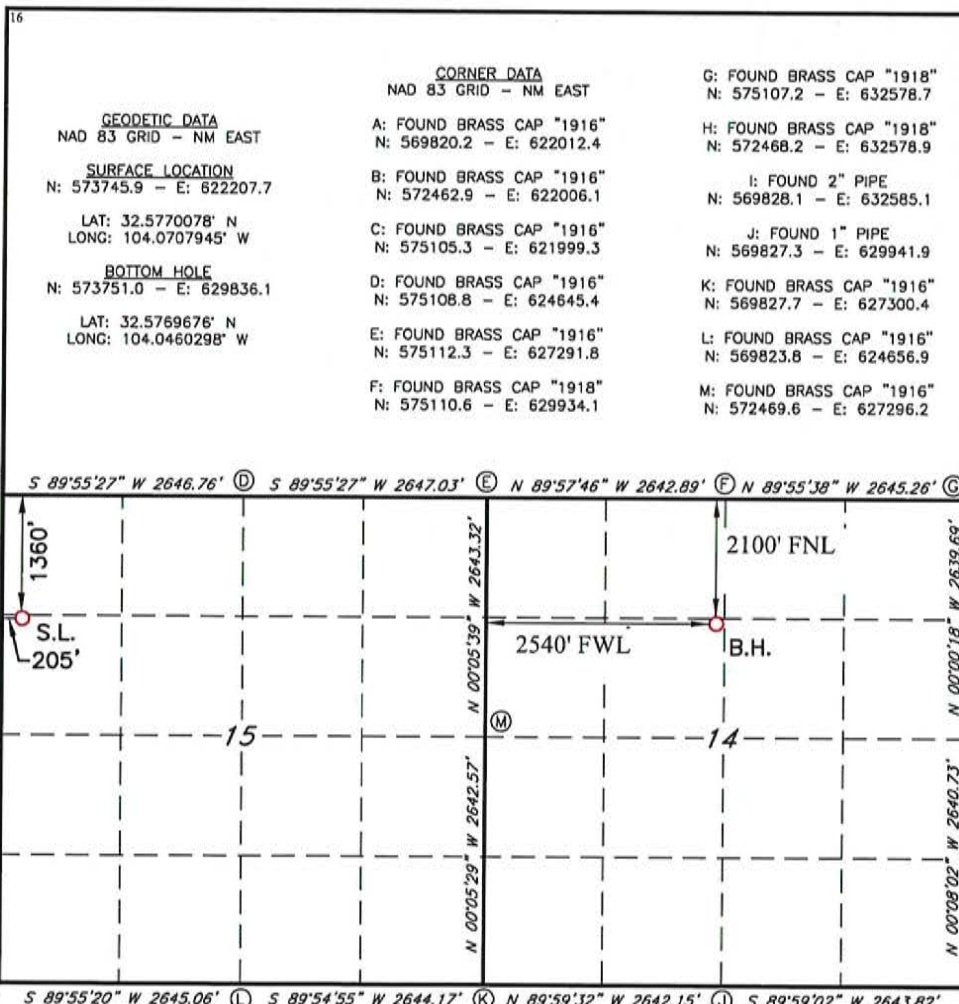
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet From the	East/West line	County
E	15	20S	29E		1360	NORTH	205	WEST	EDDY

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
F	14	20S	29E		2100	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: *Bradley Bishop* Date: 8-20-20
Printed Name: BRADLEY BISHOP
E-mail Address: BBISHOP@MEWBOURNE.COM

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.

Date of Survey: 03-09-20
Signature and Seal of Professional Surveyor: *Robert M. Howett*
Certificate Number: 19680

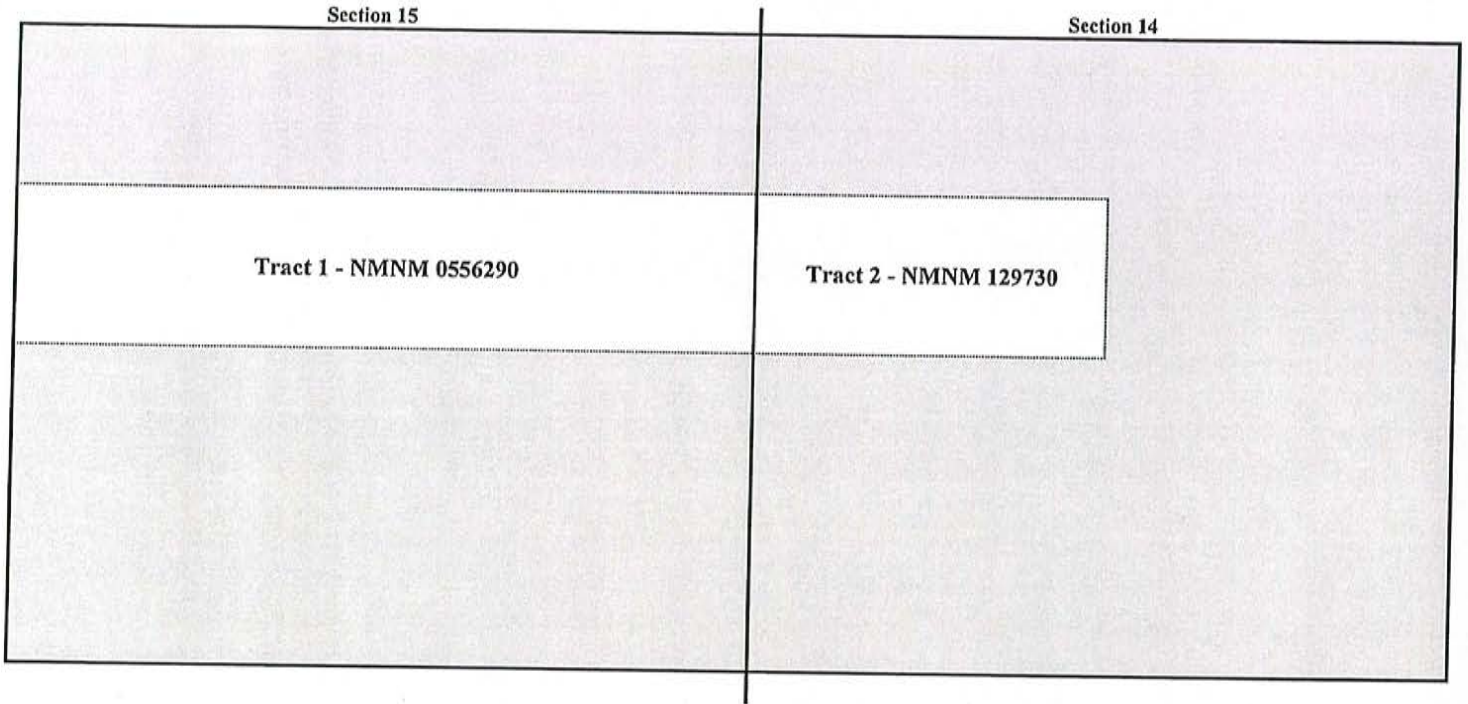


MEWBOURNE OIL COMPANY
Case No. 21753
Exhibit A-3

RRC-Job No: LS

Section Plat
Ithaca 15-14 W0EF Fed Com #1H
S/2N/2 of Section 15 & S/2NW of Section 14

T20S-R29E, Eddy County, NM



**MEWBOURNE OIL
COMPANY**
Case No. 21753
Exhibit A-4

Ithaca 15-14 W0EF Fed Com #1H
S2N2 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

S2NW4 of Section 14 - NMNM 129730

Entity	Interest	Gross Acres	Net Acres
Mewbourne Oil Company	100.000000%	80	80
Total	100.000000%	80	80.0000000

MEWBOURNE OIL COMPANY

AUTHORIZATION FOR EXPENDITURE

Well Name: ITHACA 15/14 W0EF FED COM #1H		Prospect: WFMP Y SAND	
Location: SHL: 1360 FNL & 205 FWL (15); BHL: 2100 FNL & 2540 FWL (14)		County: Eddy ST: NM	
Sec. 15	Blk: 	Survey: 	TWP: 20S RNG: 29E Prop. TVD: 9386 TMD: 16818

INTANGIBLE COSTS 0180		CODE	TCP	CODE	CC
Regulatory Permits & Surveys		0180-0100	\$20,000	0180-0200	\$0
Location / Road / Site / Preparation		0180-0105	\$35,000	0180-0205	\$35,000
Location / Restoration		0180-0106	\$200,000	0180-0206	\$38,000
Daywork / Turnkey / Footage Drilling 24 days drlg / 3 days comp @ \$18550/d		0180-0110	\$475,500	0180-0210	\$59,400
Fuel 1700 gal/day @ \$1.3/gal		0180-0114	\$56,700	0180-0214	\$159,000
Alternate Fuels		0180-0115	\$0	0180-0215	\$0
Mud, Chemical & Additives		0180-0120	\$70,000	0180-0220	\$0
Mud - Specialized		0180-0121	\$110,000	0180-0221	\$0
Horizontal Drilout Services			\$0	0180-0222	\$150,000
Stimulation Toe Preparation			\$0	0180-0223	\$25,000
Cementing		0180-0125	\$80,000	0180-0225	\$35,000
Logging & Wireline Services		0180-0130	\$2,300	0180-0230	\$253,000
Casing / Tubing / Snubbing Services		0180-0134	\$18,000	0180-0234	\$40,000
Mud Logging		0180-0137	\$30,000		\$0
Stimulation 44 Stg 14.5 MM gal / 14.5 MM lb			\$0	0180-0241	\$998,000
Stimulation Rentals & Other			\$0	0180-0242	\$150,000
Water & Other		0180-0145	\$35,000	0180-0245	\$173,000
Bits		0180-0148	\$96,100	0180-0248	\$5,000
Inspection & Repair Services		0180-0150	\$50,000	0180-0250	\$5,000
Misc. Air & Pumping Services		0180-0154	\$0	0180-0254	\$10,000
Testing & Flowback Services		0180-0158	\$12,000	0180-0258	\$24,000
Completion / Workover Rig			\$0	0180-0260	\$10,500
Rig Mobilization		0180-0164	\$120,000		\$0
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	\$43,500	0180-0270	\$31,500
Directional Services Includes Vertical Control		0180-0175	\$356,500		\$0
Equipment Rental		0180-0180	\$203,300	0180-0280	\$8,000
Well / Lease Legal		0180-0184	\$5,000	0180-0284	\$0
Well / Lease Insurance		0180-0185	\$5,200	0180-0285	\$0
Intangible Supplies		0180-0188	\$8,000	0180-0288	\$1,000
Damages		0180-0190	\$10,000	0180-0290	\$10,000
Pipeline Interconnect. ROW Easements		0180-0192	\$0	0180-0292	\$5,000
Company Supervision		0180-0195	\$186,000	0180-0295	\$63,000
Overhead Fixed Rate		0180-0196	\$10,000	0180-0296	\$20,000
Contingencies 2% (TCP) 2% (CC)		0180-0199	\$46,400	0180-0299	\$46,900
TOTAL			\$2,318,500		\$2,390,300

TANGIBLE COSTS 0181		CODE	TCP	CODE	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	0181-0797	\$100,800
Tubing 8810' - 2 7/8" 6.5# L-80 Tbg @ \$4.54/ft			\$0	0181-0798	\$42,700
Drilling Head		0181-0860	\$35,000		\$0
Tubing Head & Upper Section			\$0	0181-0870	\$30,000
Horizontal Completion Tools Completion Liner Hanger			\$0	0181-0871	\$45,000
Subsurface Equip. & Artificial Lift			\$0	0181-0880	\$20,000
Pumping Unit Systems			\$0	0181-0885	\$0
Service Pumps (1/2) TP/CP/Circ pump			\$0	0181-0886	\$8,000
Storage Tanks (1/2) 6 OT/5 WT/GB			\$0	0181-0890	\$133,000
Emissions Control Equipment (1/2) VRT's/VRI/Flare/KO's			\$0	0181-0892	\$120,000
Separation / Treating Equipment (1/2) H sep/V sep/HT			\$0	0181-0895	\$100,000
Automation Metering Equipment			\$0	0181-0898	\$63,000
Line Pipe & Valves - Gathering (1/2) 1 mile gas & water			\$0	0181-0900	\$35,000
Fittings / Valves & Accessories			\$0	0181-0905	\$200,000
Cathodic Protection			\$0	0181-0908	\$8,000
Electrical Installation			\$0	0181-0909	\$125,000
Equipment Installation			\$0	0181-0910	\$88,000
Pipeline Construction (1/2) 1 mile gas & water			\$0	0181-0920	\$75,000
TOTAL			\$415,100		\$1,193,500

SUBTOTAL	\$2,733,600	\$3,583,800
TOTAL WELL COST		\$6,317,400

Extra Expense Insurance

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

I elect to purchase my own well control insurance policy.

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

Prepared by: **T. Cude** Date: **1/15/2021**

Company Approval: _____ Date: _____

Joint Owner Interest: _____ Amount: **\$0.00**

Joint Owner Name: _____ Signature: _____





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. 21753: Application of Mewbourne Oil Company to Amend
Order No. R-21428, 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 amending Division Order No. R-21428 to: amend the horizontal spacing unit for the proposed Ithaca 15/14 W0EF Fed Com #1H well to consist of a 240-acre, more or less, standard horizontal spacing unit that includes the S/2 N/2 of Section 15 and the S/2 NW/4 of Section 14; amend the location of the proposed Ithaca 15/14 W0EF Fed Com #1H well so that the well will be horizontally drilled from a surface location approximately 1360' FNL and 205' FWL (Unit E) in Section 15 to a bottom hole location approximately 2100' FNL and 2540' FWL (Unit F) in Section 14; and seeks an extension of the deadline to commence drilling the well until one year after the date of the new order. The proposed well is located approximately 10 miles northeast of Carlsbad, 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.

**MEWBOURNE OIL
COMPANY
Case No. 21753**

Exhibit A-6

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

PO BOX 1720
ARTESIA, NEW MEXICO 88211
575-622-6510
(FAX) 575-746-6316

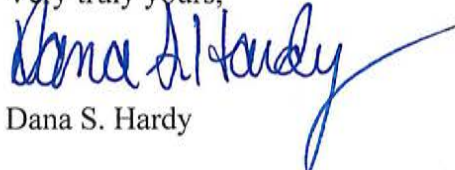
PO BOX 2068
SANTA FE, NEW MEXICO 87504
505-982-4554
(FAX) 505-982-8623

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

March 4, 2021
Page 2

Thank you for your attention to this matter.

Very truly yours,

A handwritten signature in blue ink that reads "Dana S. Hardy". The signature is fluid and cursive, with a long, sweeping tail that extends to the right.

Dana S. Hardy

Enclosure

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

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

7019 2970 0000 7641 4108

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> <input checked="" type="checkbox"/> Complete items 1, 2, and 3. <input checked="" type="checkbox"/> Print your name and address on the reverse so that we can return the card to you. <input checked="" type="checkbox"/> Attach this card to the back of the mailpiece, or on the front if space permits. 	<p>A. Signature X  <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) OCHT S.M. [Signature]</p> <p>C. Date of Delivery</p>
<p>1. Article Addressed to:</p> <p>BancTexas Capital, Inc. P.O. Box 650282 Dallas, TX 75265</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> 9590 9402 5554 9249 4930 09</p> <p>2. Article Number (Transfer from service label) 7019 2970 0000 7641 4108</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 <input type="checkbox"/> Insured Mail Restricted Delivery (over \$500)</p>

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

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7019 2970 0000 7641 4115

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	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

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



2. Article Number (Transfer from service label)
 7019 2970 0000 7641 4115

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

COMPLETE THIS SECTION ON DELIVERY

A. Signature
 Agent
 Addressee
 B. Receiver (Printed Name) STAN SMITH 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®
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 - Signature Confirmation Restricted Delivery

Domestic Return Receipt

7019 2970 0000 7641 4122

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Return Receipt (hardcopy) \$ _____

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Adult Signature Required \$ _____

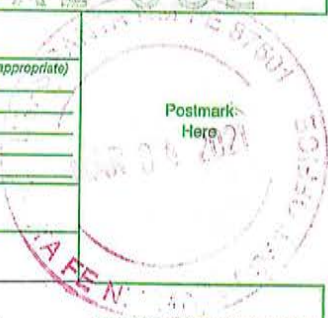
Adult Signature Restricted Delivery \$ _____

Postage
 \$ _____

Total Postage and Fees
 \$ _____

Sent To
 Jeffrey Johnston
 Street or: 400 West Illinois, Suite 1600
 Midland, TX 79701
 City, State _____

PS Form 3800, April 2015 PSN 7530-02-000-8047 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:

Jeffrey Johnston
 400 West Illinois, Suite 1600
 Midland, TX 79701



2. Article Number (Transfer from service label)

7019 2970 0000 7641 4122

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 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)

7019 2970 0000 7641 4146

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Return Receipt (hardcopy) \$ _____

Return Receipt (electronic) \$ _____

Certified Mail Restricted Delivery \$ _____

Adult Signature Required \$ _____

Adult Signature Restricted Delivery \$ _____

Postage \$ _____

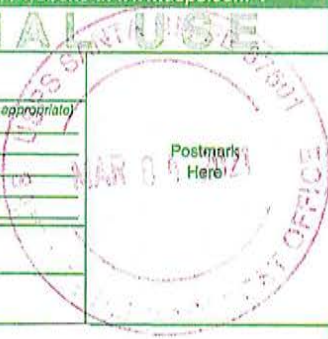
Total Postage and Fees \$ _____

Sent To

Street a Sand Dollar Petroleum, Inc.
 400 West Illinois, Suite 1600

City, St Midland, TX 79701

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:

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



9590 9402 5554 9249 4929 65

2. Article Number (Transfer from service label)

7019 2970 0000 7641 4146

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X *J Johnston* Agent Addressee

B. Received by (Printed Name) C. Date of Delivery

COVID-19-72 3/8/21

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

If YES, enter delivery address below: _____

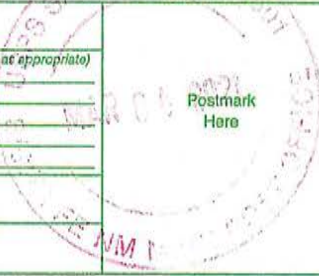
3. Service Type
- Adult Signature
 - Adult Signature Restricted Delivery
 - Certified Mail®
 - Certified Mail Restricted Delivery
 - Collect on Delivery
 - Collect on Delivery Restricted Delivery
 - Insured Mail
 - Insured Mail Restricted Delivery (over \$500)
 - Priority Mail Express®
 - Registered Mail™
 - Registered Mail Restricted Delivery
 - Return Receipt for Merchandise
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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			
Michael A. Short			
Street 110 N. Marienfeld, Suite 200			
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:

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



9590 9402 5554 9249 4929 58

2. Article Number (Transfer from service label)

7019 2970 0000 7641 4153

COMPLETE THIS SECTION ON DELIVERY

A. Signature

S. Lopez Agent
 Addressee

B. Received by (Printed Name) *COVID-19-FL* 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 4160

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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
 Street or P.O. Box No. Trainer Partners, Ltd.
 200 W. Illinois Avenue, Suite 212
 City, Sta. 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 type="checkbox"/> Addressee</p> <p><i>[Signature]</i></p> <p>B. Received by (Printed Name) <i>[Signature]</i> C. Date of Delivery <i>03/05/23</i></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><i>[Signature]</i></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> <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>2. Article Number (Transfer from service label)</p> <p>7019 2970 0000 7641 4160</p>	



7019 2970 0000 7641 3453

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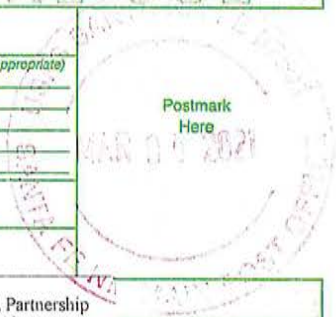
<input type="checkbox"/> Return Receipt (hardcopy)	\$ _____
<input type="checkbox"/> Return Receipt (electronic)	\$ _____
<input type="checkbox"/> Certified Mail Restricted Delivery	\$ _____
<input type="checkbox"/> Adult Signature Required	\$ _____
<input type="checkbox"/> Adult Signature Restricted Delivery	\$ _____

Postage
\$ _____

Total Postage and Fees
\$ _____

Sent To
Occidental Permian Limited Partnership
Street and A 5 Greenway Plaza, Suite 110
Houston, TX 77046
City, State, Z... _____

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



9590 9402 5554 9249 4988 68

2. Article Number (Transfer from service label)
7019 2970 0000 7641 3453

COMPLETE THIS SECTION ON DELIVERY

A. Signature
x Conrad G Agent Addressee

B. Received by (Printed Name) SEYALL C. Date of Delivery 3-8-11

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 4177

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- Return Receipt (electronic) \$ _____
- Certified Mail Restricted Delivery \$ _____
- Adult Signature Required \$ _____
- Adult Signature Restricted Delivery \$ _____

Postage

\$

Total Postage and Fees

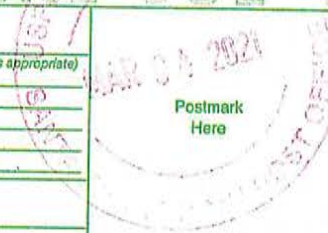
\$

Sent To

Estate of Charlene Calvert Willie
9427 Canyon Mist
Helotes, TX 78023

Street and

City, State, ...



Postmark
Here

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

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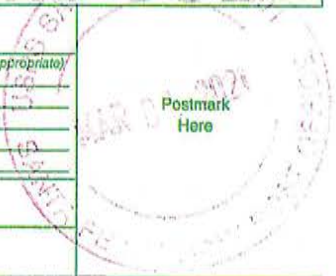
7019 2970 0000 7641 3422

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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		
Great Western Drilling, Ltd.		
Street and	700 W. Louisiana	
City, State	Midland, TX 79702	
PS Form 3800, April 2015 PSN 7530-02-000-5047 See Reverse for Instructions		

COMPLETE THIS SECTION

Complete items 1, 2, and 3.
 Print your name and address on the reverse
 of this card to return the card to you.
 Attach this card to the back of the mailpiece,
 on the front if space permits.
 Addressee 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		<input type="checkbox"/> Agent
X <i>G. Western</i>		<input type="checkbox"/> Addressee
B. Received by (Printed Name)	C. Date of Delivery	
<i>COVID-19 - G. S.</i>	<i>3/8/21</i>	
D. Is delivery address different from item 1? <input type="checkbox"/> Yes		
If YES, enter delivery address below: <input type="checkbox"/> 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™
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<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)	

Affidavit of Publication

Ad # 0004632118

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HINKLE SHANOR LLP
218 MONTEZUMA

SANTA FE, NM 87501

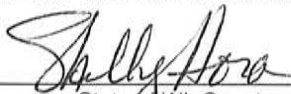
I, a legal clerk of the **Carlsbad Current Argus**, a newspaper published daily at the City of Carlsbad, in said county of Eddy, state of New Mexico and of general paid circulation in said county; that the same is a duly qualified newspaper under the laws of the State wherein legal notices and advertisements 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



My commission expires

SHELLY HORA
Notary Public
State of Wisconsin

This is to notify all interested parties, including BancTexas Capital, Inc., F.M. Mayer Investments, Jeffrey M. Johnston, McGuire Family, LLC, Sand Dollar Petroleum, Inc., Michael A. Short, Trainer Partners, Ltd., the Estate of Charlene Calvert Willie, 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. 21753) to Amend Order No. R-21428, Eddy County, New Mexico. 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>. Oil Conservation Division Order No. R-21428, entered on August 18, 2020 in Case No. 21358: approved a 480-acre, more or less, standard proximity tract horizontal spacing unit comprised of the N/2 of Section 15 and the NW/4 of Section 14, Township 20 South, Range 29 East in Eddy County, New Mexico ("the Unit"); designated Mewbourne as the operator of the Unit; pooled the uncommitted interests in the Wolfcamp formation (Burton Flat, Upper Wolfcamp Pool, Code 98315); and dedicated the Unit to the Ithaca 15/14 W0EF Fed Com #1H well, which was to be horizontally drilled from a surface location 1360' FNL and 205' FWL (Unit E) in Section 15 to a bottom hole location 1360' FNL and 2540' FWL (Unit F) in Section 14. The order required Mewbourne to commence drilling the well within one year from the date of the order. Mewbourne seeks to: amend the horizontal spacing unit for the proposed Ithaca 15/14 W0EF Fed Com #1H well to consist of a 240-acre, more or less, standard horizontal spacing unit that includes the S/2 N/2 of Section 15 and the S/2 NW/4 of Section 14; amend the location of the proposed Ithaca 15/14 W0EF Fed Com #1H well so that the well will be horizontally drilled from a surface location approximately 1360' FNL and 205' FWL (Unit E) in Section 15 to a bottom hole location approximately 2100' FNL and 2540' FWL (Unit F) in Section 14; and seeks an extension of the deadline to commence drilling the well until one year after the date of the new order. The proposed well is located approximately 10 miles northeast of Carlsbad, New Mexico.

#4632103, Current Argus, Mar. 6, 2021

Ad # 0004632118
PO #: No. 21753
of Affidavits 1

This is not an invoice

**MEWBOURNE OIL
COMPANY**
Case No. 21753

Exhibit A-7

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

APPLICATION OF MEWBOURNE OIL
COMPANY TO AMEND ORDER NO. R-21428,
EDDY COUNTY, NEW MEXICO.

CASE NO. 21753
ORDER NO. R-21428

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 W0EF 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’.



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.

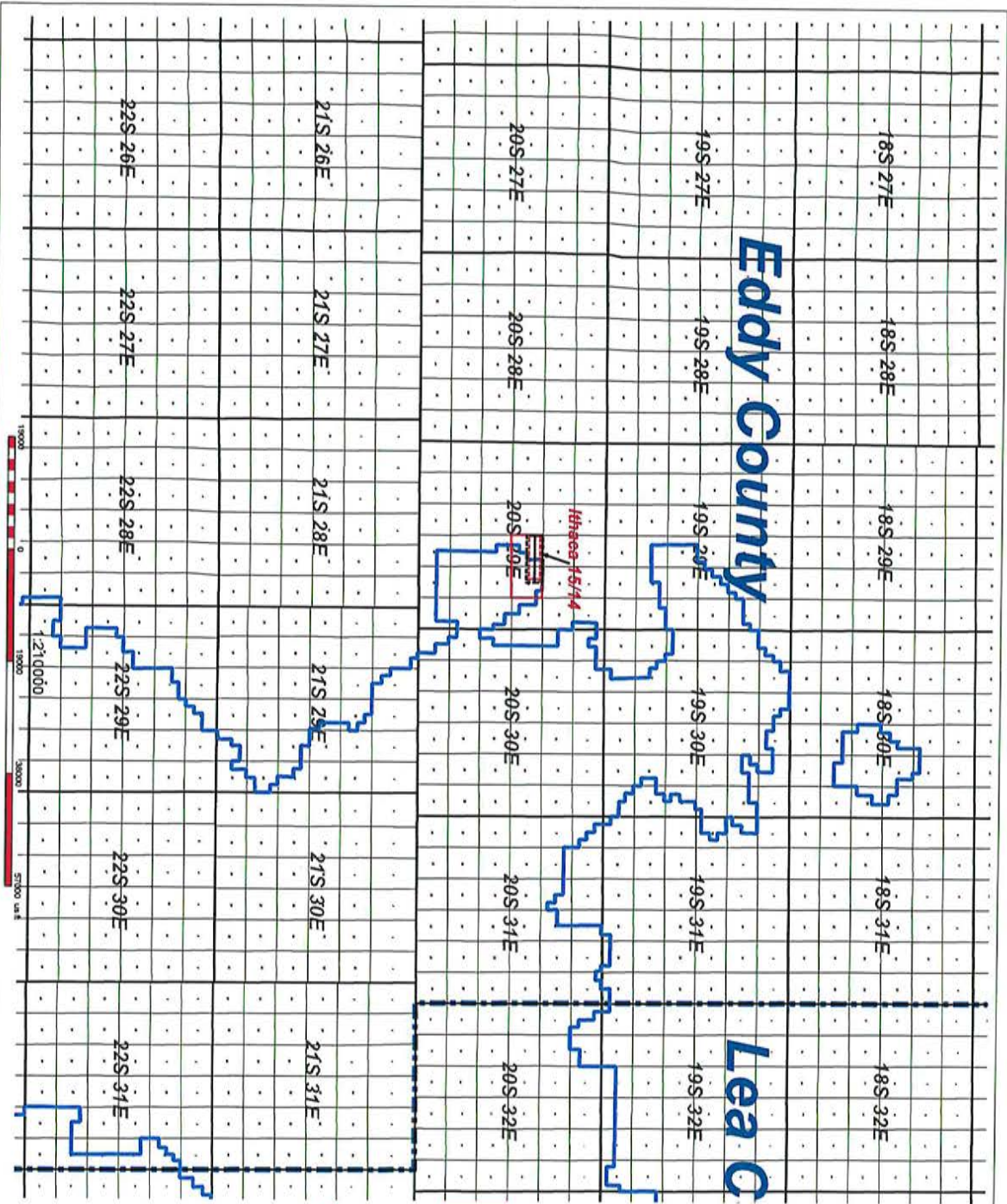
13. The exhibits attached hereto were either prepared by me or under my supervision or were compiled from company business records.

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

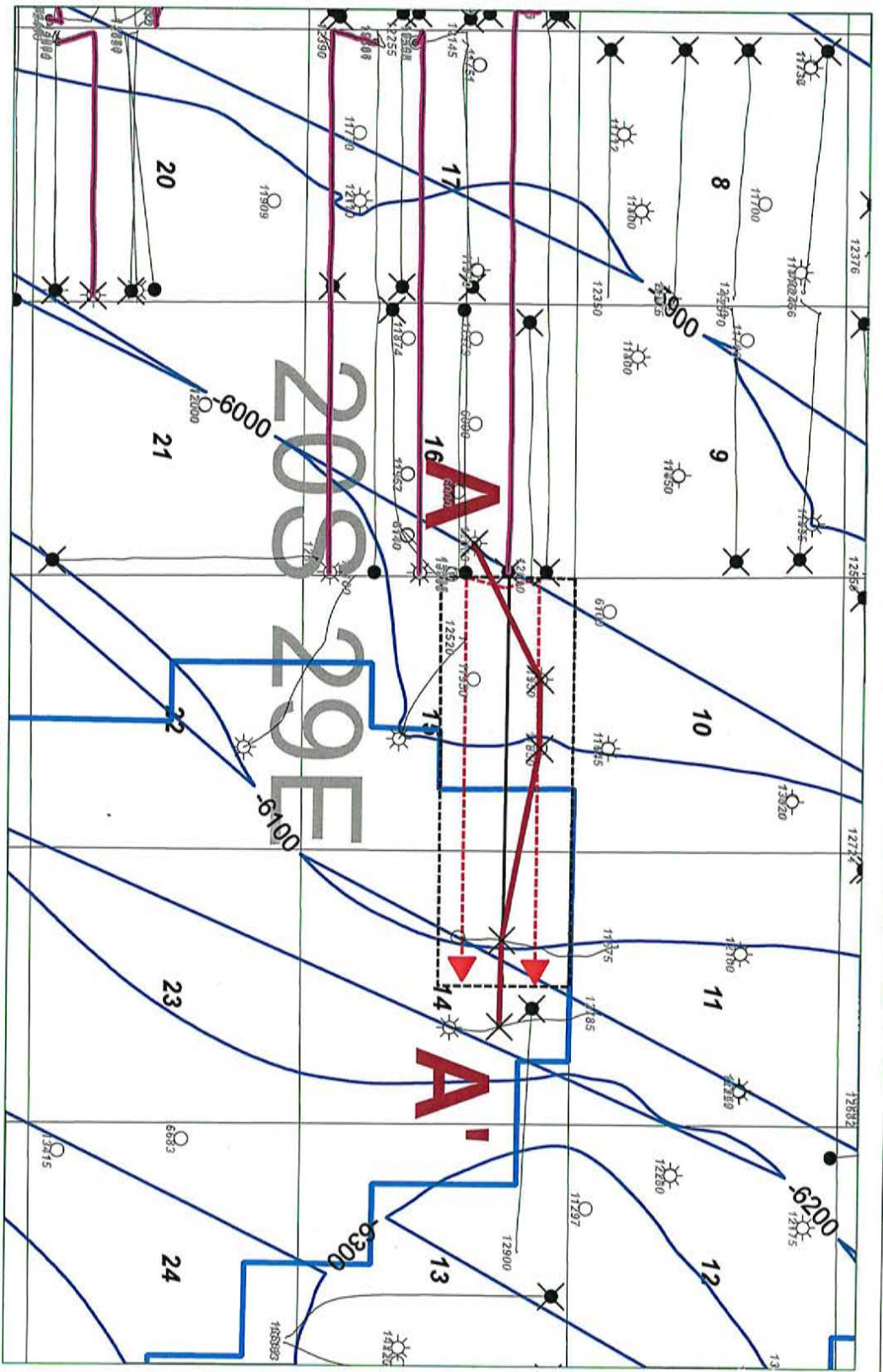


Mewbourne Oil Company		
Regional Locator Map Ithaca 15-14 AOI		
2/20/23	S&P MILLER COMPANY	NEW MEXICO
		Dale C. CHERRY

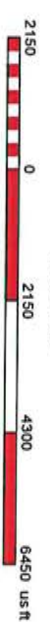
Horizontal Well Locations
 HSU Outline
 Eddy/Lea County Border
 Ithaca 15-14 AOI
 Patch Area

MEWBOURNE OIL COMPANY
 Case No. 21753

 Exhibit B-1



Wolfcamp SD Horizontal

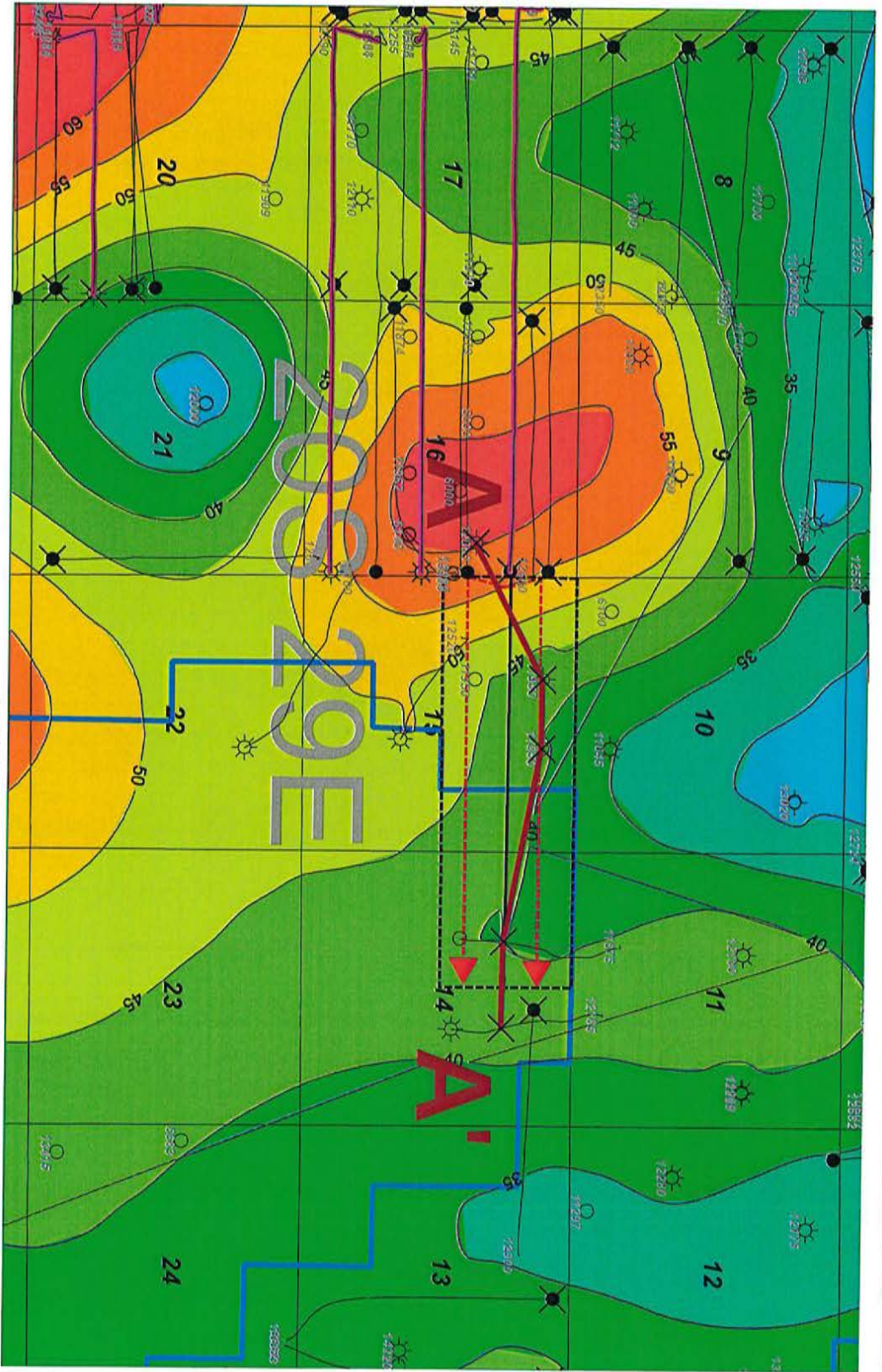


1:36000

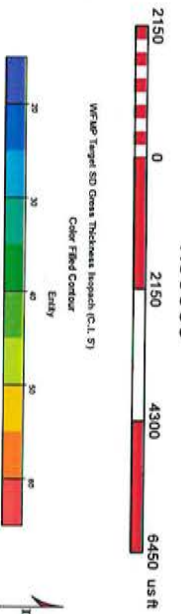


Mewbourne Oil Company		
Ithaca 1S/14 W0DC Fed Com 1H Ithaca 1S/14 W0EF Fed Com 1H Horizontal Activity Map Structure Top of WFMHP (C.L. 100')		
4/9/2021	ES&P/Geology	New Mexico Grant, C. County

MEWBOURNE OIL COMPANY
 Case No. 21753
 Exhibit B-2

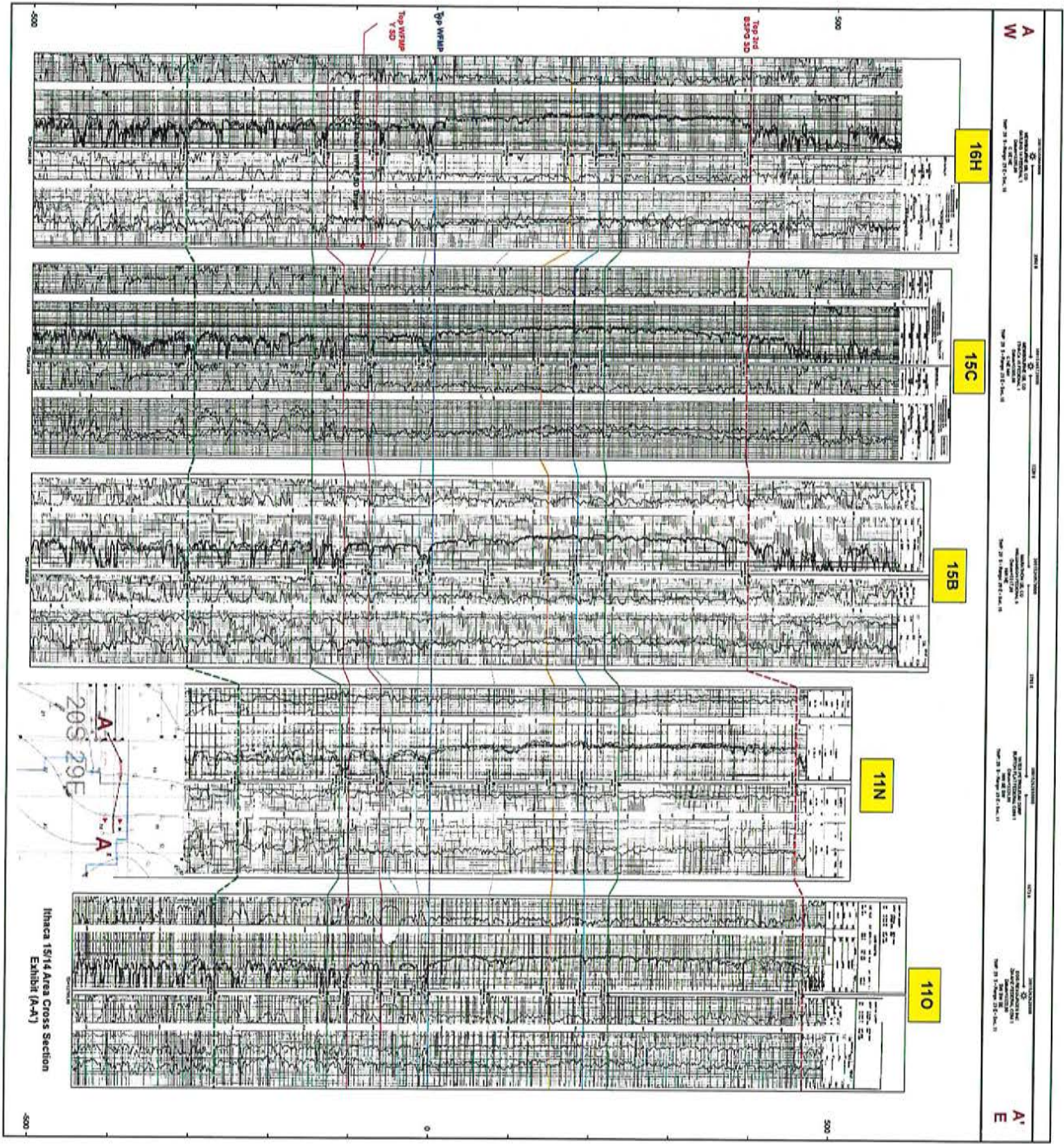


Wolfcamp SD Horizontal



Mewbourne Oil Company		
Ithaca 1S/14 W00DC Fed Com 1H Ithaca 1S/14 W00ER Fed Com 1H Horizontal Activity Map WEMP SD Target Gross Thickness (C.L. 5')		
4/3/2021	Edg. Comp.	Sean Mackey
		Geoff C. Quahy

MEWBOURNE OIL COMPANY
 Case No. 21753
 Exhibit B-3



MEWBOURNE OIL
 COMPANY
 Case No. 21753
 Exhibit B-4

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 WODA 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	Matarador	30015441770000	20M/20S/29E	9/15/2018	208.1	1.3	377.0	EW	Wolfcamp Sand
Glock 17/16 WOMP Federal Com 1H	Mewbourne	30015467330000	17M/20S/29E	9/28/2020	135.8	0.3	173.8	EW	Wolfcamp Sand
Glock 17/16 WOLI 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. 21753
 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. 21753**

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
From:	Map	Easting:	622,208.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32.5770906
		Longitude:	-104.0707934

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

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

Database: Hobbs
Company: Mewbourne Oil Company
Project: Eddy County, New Mexico NAD 83
Site: Ithaca 15/14 W0DC Fed Com #1H
Well: Sec. 15, T20S R29E
Wellbore: BHL: 660' FNL & 2540' FWL, Sec 14
Design: Design #1

Local Co-ordinate Reference: Site Ithaca 15/14 W0DC Fed Com #1H
TVD Reference: WELL @ 3315.0usft (Original Well Elev)
MD Reference: WELL @ 3315.0usft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

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
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
200.0	0.00	0.00	200.0	0.0	0.0	0.0	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
400.0	0.00	0.00	400.0	0.0	0.0	0.0	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
600.0	0.00	0.00	600.0	0.0	0.0	0.0	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
800.0	0.00	0.00	800.0	0.0	0.0	0.0	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
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	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
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	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
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	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
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	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
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	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
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	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
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	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
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	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
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	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
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	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
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	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
3,100.0	1.00	343.59	3,100.0	0.4	-0.1	-0.1	2.00	2.00	0.00
3,200.0	3.00	343.59	3,199.9	3.8	-1.1	-0.8	2.00	2.00	0.00
3,300.0	5.00	343.59	3,299.7	10.5	-3.1	-2.1	2.00	2.00	0.00
3,400.0	7.00	343.59	3,399.1	20.5	-6.0	-4.2	2.00	2.00	0.00
3,420.1	7.40	343.59	3,419.1	22.9	-6.7	-4.7	2.00	2.00	0.00
3,500.0	7.40	343.59	3,498.3	32.8	-9.7	-6.7	0.00	0.00	0.00
3,600.0	7.40	343.59	3,597.5	45.1	-13.3	-9.3	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
3,800.0	7.40	343.59	3,795.8	69.8	-20.6	-14.3	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
4,000.0	7.40	343.59	3,994.1	94.6	-27.8	-19.4	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
4,200.0	7.40	343.59	4,192.5	119.3	-35.1	-24.5	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
4,400.0	7.40	343.59	4,390.8	144.0	-42.4	-29.5	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
4,600.0	7.40	343.59	4,589.1	168.7	-49.7	-34.6	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
4,800.0	7.40	343.59	4,787.5	193.4	-57.0	-39.7	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
5,000.0	7.40	343.59	4,985.8	218.1	-64.2	-44.8	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)	
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
 Company: Mewbourne Oil Company
 Project: Eddy County, New Mexico NAD 83
 Site: Ithaca 15/14 W0DC Fed Com #1H
 Well: Sec. 15, T20S R29E
 Wellbore: BHL: 660' FNL & 2540' FWL, Sec 14
 Design: Design #1

Local Co-ordinate Reference: Site Ithaca 15/14 W0DC Fed Com #1H
 TVD Reference: WELL @ 3315.0usft (Original Well Elev)
 MD Reference: WELL @ 3315.0usft (Original Well Elev)
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature

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
Company: Mewbourne Oil Company
Project: Eddy County, New Mexico NAD 83
Site: Ithaca 15/14 W0DC Fed Com #1H
Well: Sec. 15, T20S R29E
Wellbore: BHL: 660' FNL & 2540' FWL, Sec 14
Design: Design #1

Local Co-ordinate Reference: Site Ithaca 15/14 W0DC Fed Com #1H
TVD Reference: WELL @ 3315.0usft (Original Well Elev)
MD Reference: WELL @ 3315.0usft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

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
Company: Mewbourne Oil Company
Project: Eddy County, New Mexico NAD 83
Site: Ithaca 15/14 W0DC Fed Com #1H
Well: Sec. 15, T20S R29E
Wellbore: BHL: 660' FNL & 2540' FWL, Sec 14
Design: Design #1

Local Co-ordinate Reference: Site Ithaca 15/14 W0DC Fed Com #1H
TVD Reference: WELL @ 3315.0usft (Original Well Elev)
MD Reference: WELL @ 3315.0usft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

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