

**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. 21358**

**MEWBOURNE OIL COMPANY'S  
HEARING EXHIBITS**

Compulsory Pooling Checklist

Exhibit A	Self-Affirmed Statement of Tyler Jolly
A-1	Application
A-2	Midland Map
A-3	C-102
A-4	Plat of Tracts
A-5	Unit Recapitulation
A-6	List of Tract Ownership and Pooled Parties
A-7	Well Proposal Letter
A-8	Summary of Communications
A-9	Exhibit A to Joint Operating Agreement
A-10	Proposed Notice of Hearing
A-11	Hearing Notice Letter and Return Receipts
A-12	Affidavits of Publication
A-13	Authorization for Expenditures

Exhibit B      Self-Affirmed Statement of Charles Crosby

B-1      General Location Map

B-2      Structure Map

B-3      Gross Isopach Map

B-4      Cross Section

B-5      Production Table

B-6      Survey Calculation Report

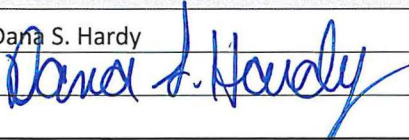
# COMPULSORY POOLING APPLICATION CHECKLIST (pdf)

## ALL INFORMATION IN THE APPLICATION MUST BE SUPPORTED BY SIGNED AFFIDAVITS

<b>Case: #21358</b>	<b>APPLICANT'S RESPONSE</b>
<b>Date: August 4, 2020</b>	
Applicant	Mewbourne Oil Company
Designated Operator & OGRID (affiliation if applicable)	Mewbourne Oil Company, OGRID 14744
Applicant's Counsel:	Hinkle Shanor LLP, Dana S. Hardy
Case Title:	APPLICATION OF MEWBOURNE OIL COMPANY FOR COMPULSORY POOLING, EDDY COUNTY, NEW MEXICO
Entries of Appearance/Intervenors:	None
Well Family	Ithaca
<b>Formation/Pool</b>	
Formation Name(s) or Vertical Extent:	Wolfcamp Formation
Primary Product (Oil or Gas):	Oil
Pooling this vertical extent:	Wolfcamp Formation
Pool Name and Pool Code:	Burton Flat, Upper Wolfcamp Pool, Code 98315
Well Location Setback Rules:	Standard Oil, 100' setback
Spacing Unit Size:	40 acres
<b>Spacing Unit</b>	
Type (Horizontal/Vertical)	Horizontal
Size (Acres)	480 acres
Building Blocks:	40 acres
Orientation:	West to East
Description: TRS/County	N/2 of Section 15 and NW/4 of Section 14, Township 20 South, Range 29 East, Eddy County
Standard Horizontal Well Spacing Unit (Y/N), If No, describe	Yes
<b>Other Situations</b>	
Depth Severance: Y/N. If yes, description	No
Proximity Tracts: If yes, description	Yes - N/2 N/2 Sec. 15 & N/2 NW/4 of Sec. 14
Proximity Defining Well: if yes, description	Ithaca 15-14 W0EF Fed Com #1H, S/2 N/2 Sec. 15 & S/2 NW/4 of Sec. 14
Applicant's Ownership in Each Tract	Exhibit A-6
<b>Well(s)</b>	
Name & API (if assigned), surface and bottom hole location, footages, completion target, orientation, completion status (standard or non-standard)	
Well #1	Ithaca 15-14 W0EF Fed Com #1H (API # _____); SHL: 1360' FNL & 205' FWL (Sec. 15); BHL: 1360' FNL & 2540' FWL (Sec. 14); laydown; standard
Well #2	

Horizontal Well First and Last Take Points	FTP: 1360' FNL and 100' FWL (Sec. 15); LTP: 1360' FNL and 2540' FWL (Sec. 14)
Completion Target (Formation, TVD and MD)	Wolfcamp; 9,390' TVD and 16,810' TMD
<b>AFE Capex and Operating Costs</b>	
Drilling Supervision/Month \$	\$8,000, Exhibit A
Production Supervision/Month \$	\$800, Exhibit A
Justification for Supervision Costs	Exhibit A
Requested Risk Charge	200%, Exhibit A
<b>Notice of Hearing</b>	
Proposed Notice of Hearing	Exhibit A-10
Proof of Mailed Notice of Hearing (20 days before hearing)	Exhibit A-11
Proof of Published Notice of Hearing (10 days before hearing)	Exhibit A-12
<b>Ownership Determination</b>	
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)	Exhibits A-6, A-8
Unlocatable Parties to be Pooled	N/A
Ownership Depth Severance (including percentage above & below)	N/A
<b>Joinder</b>	
Sample Copy of Proposal Letter	Exhibit A-7
List of Interest Owners (ie Exhibit A of JOA)	Exhibit A-9
Chronology of Contact with Non-Joined Working Interests	Exhibit A-8
Overhead Rates In Proposal Letter	Exhibits A, A-7
Cost Estimate to Drill and Complete	Exhibit A-13
Cost Estimate to Equip Well	Exhibit A-13
Cost Estimate for Production Facilities	Exhibit A-13
<b>Geology</b>	
Summary (including special considerations)	Exhibit B
Spacing Unit Schematic	Exhibits B-1, B-2
Gunbarrel/Lateral Trajectory Schematic	Exhibit B-6
Well Orientation (with rationale)	Exhibit B
Target Formation	Exhibit B
HSU Cross Section	Exhibit B-4
Depth Severance Discussion	Exhibit B
<b>Forms, Figures and Tables</b>	
C-102	Exhibit A-3
Tracts	Exhibit A-4
Summary of Interests, Unit Recapitulation (Tracts)	Exhibits A-4, A-5, A-6
General Location Map (including basin)	Exhibit B-1
Well Bore Location Map	Exhibits B-1, B-2
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:	4-Aug-20

**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. 21358**

**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 480-acre, more or less, standard proximity tract horizontal spacing unit ("HSU") that is the subject of Mewbourne's application in this case. A copy of the application is 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.

**A. Proposed Horizontal Spacing Unit**

4. The proposed HSU is 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. A Midland Map depicting the proposed HSU is attached as Exhibit A-2.

5. Mewbourne seeks to pool all uncommitted interests in the Wolfamp formation underlying the HSU.

6. The HSU will be dedicated to the Ithaca 15/14 W0EF Fed Com #1H well, which will be horizontally drilled from a surface location in Unit E in Section 15 to a bottom hole location in Unit F in Section 14, Township 20 South, Range 29 East in Eddy County. The first take point

Case No. 21358

**MEWBOURNE OIL  
Exhibit A**

for the Ithaca 15/14 W0EF Fed Com #1H well is 1360' FNL and 100' FWL in Section 15, and the last take point is 1360' FNL and 2540' FWL in Section 14. The target interval is the Wolfcamp formation at 9,390' TVD and 16,810' TMD.

7. The proposed well is located in the S/2 N/2 of Section 15 and the S/2 NW/4 of Section 14, approximately 40 feet from the quarter section line. The proposed HSU includes as proximity tracts the N/2 N/2 of Section 15 and the N/2 NW/4 of Section 14.

8. The proposed well will be completed from West to East, and the completed interval of the well will be orthodox.

9. The proposed well is located in the Burton Flat, Upper Wolfcamp Pool, Code 98315. The primary product in the pool is oil. With respect to well setback requirements, this pool is subject to the statewide horizontal well rules set out in NMAC 19.15.16.15. Spacing in this pool is based on quarter-quarter sections, and the HSU is constructed based on quarter-quarter sections.

10. The C-102 for the proposed well is attached as Exhibit A-3.

## **B. Ownership Determination**

11. A plat of the tracts included in the HSU and the associated ownership interests is attached as Exhibit A-4, and a recapitulation is attached as Exhibit A-5.

12. A list of the tract ownership is attached as Exhibit A-6.

13. A list of the pooled parties is included in Exhibit A-6. There were no unlocatable interests.

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

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

## **C. Joinder**

16. I sent well proposal letters to the uncommitted interests on December 17, 2019. I subsequently had follow-up communications with them. My well proposal letter is attached as Exhibit A-7. A summary of my follow-up contacts with the uncommitted interests is attached as Exhibit A-8.

17. A list of interest owners (Exhibit A to Joint Operating Agreement) is attached as Exhibit A-9.

18. 93.4995% of the working interests are committed to the proposed well.

19. In my opinion, Mewbourne has made a good faith effort to obtain the voluntary joinder of uncommitted interests in the proposed wells.

#### **D. Notice of Hearing**

20. Mewbourne's proposed notice of hearing is attached as Exhibit A-10.

21. At my direction, notice of Mewbourne's application and the Division hearing was provided to the uncommitted interests at least 20 days prior to the hearing date. The notice letter and associated receipts are attached as Exhibit A-11.

22. 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-12.

23. Mewbourne conducted a diligent, good-faith effort to identify the correct addresses of persons entitled to notice and has complied with the Division's notice requirements.

#### **E. Drilling and Operating Costs**

24. The AFEs for the proposed wells are attached as Exhibit A-13. 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.



25. 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.

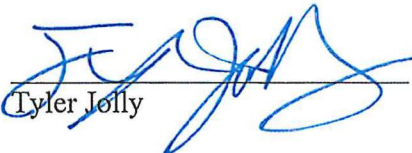
26. Mewbourne requests that it be designated the operator of the well.

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

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

29. 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.

30. 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 29 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

8-3-2020  
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. 21358

**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 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. 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 W0EF Fed Com #1H well, which will be horizontally drilled from a surface location in Unit E in Section 15 to a bottom hole location in Unit F in Section 14, Township 20 South, Range 29 East in Eddy County.
3. The completed interval for 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 N/2 of Section 15 and the NW/4 of Section 14 will avoid the drilling of unnecessary wells, prevent waste, and protect correlative rights.

Case No. 21358

**MEWBOURNE OIL  
Exhibit A-1**

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 August 6, 2020 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 of Section 15 and the NW/4 of Section 14, Township 20 South, Range 29 East in Eddy County;

B. Designating Mewbourne as the operator of the Ithaca 15/14 W0EF Fed Com #1H well;

C. Authorizing Mewbourne to recover its costs of drilling, equipping, and completing the Ithaca 15/14 W0EF Fed Com #1H 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 Ithaca 15/14 W0EF Fed Com #1H well against any mineral 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

Dioscoro "Andy" Blanco

P.O. Box 2068

Santa Fe, NM 87504-2068

Phone: (505) 982-4554

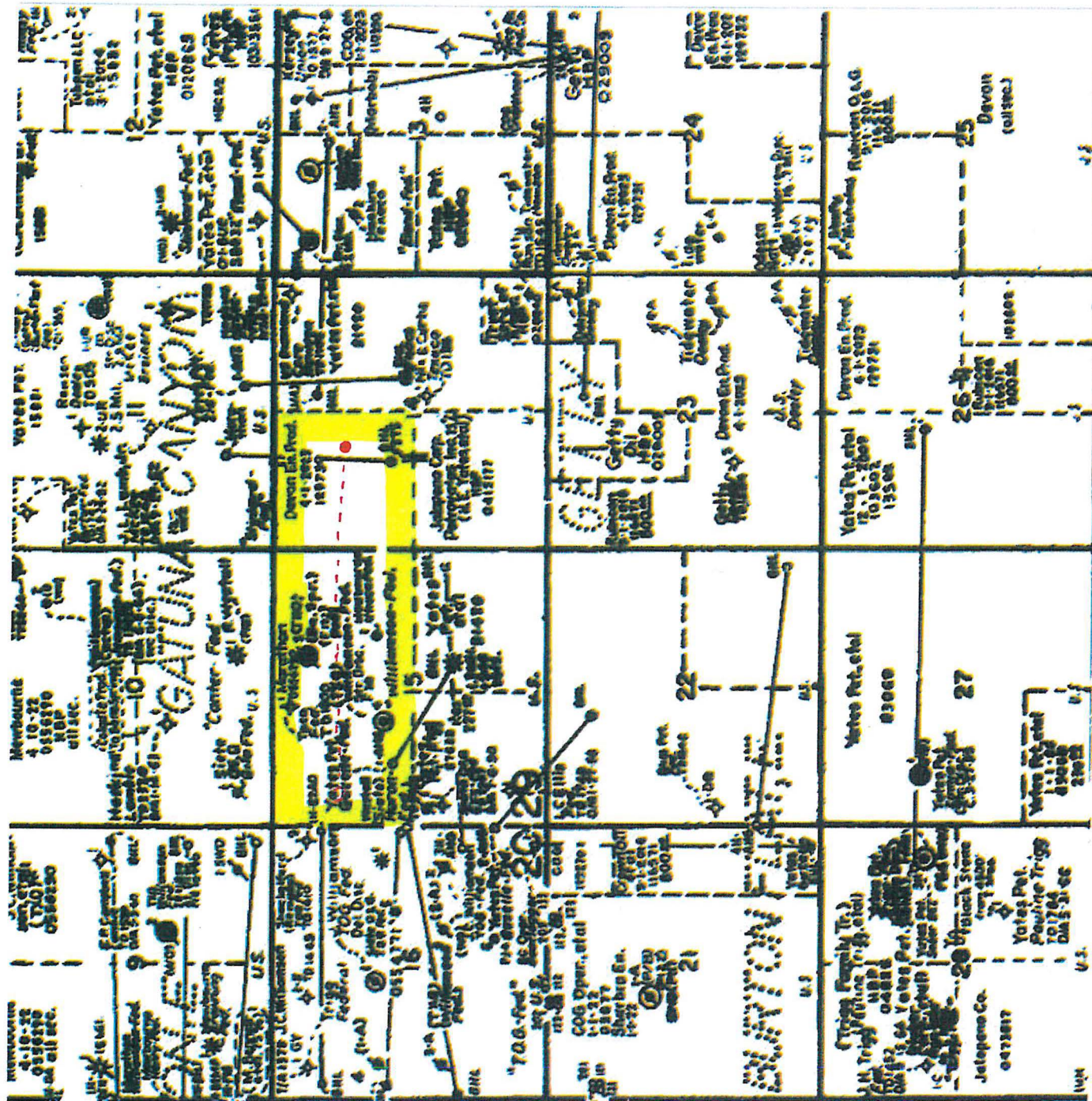
Facsimile: (505) 982-8623

dhardy@hinklelawfirm.com

dblanco@hinklelawfirm.com

*Counsel for Mewbourne Oil Company*





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MEWBOURNE OIL  
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

Case No. 21358  
MEWBORNE OIL  
Exhibit A-3

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number	<sup>2</sup> Pool Code	<sup>3</sup> Pool Name
<sup>4</sup> Property Code	<sup>5</sup> Property Name <b>ITHACA 15/14 WOEF FED COM</b>	<sup>6</sup> Well Number <b>1H</b>
<sup>7</sup> GRID NO.	<sup>8</sup> Operator Name <b>MEWBORNE OIL COMPANY</b>	<sup>9</sup> Elevation <b>3288'</b>

<sup>10</sup> Surface Location

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

<sup>11</sup> 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
<b>F</b>	<b>14</b>	<b>20S</b>	<b>29E</b>		<b>1360</b>	<b>NORTH</b>	<b>2543</b>	<b>WEST</b>	<b>EDDY</b>

<sup>12</sup> Dedicated Acres	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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.

<p><sup>16</sup></p> <p><b>CORNER DATA</b> NAD 83 GRID - NM EAST</p> <p><b>GEODETIC DATA</b> NAD 83 GRID - NM EAST</p> <p><b>SURFACE LOCATION</b> N: 573745.9 - E: 622207.7</p> <p>LAT: 32.5770078° N LONG: 104.0707945° W</p> <p><b>BOTTOM HOLE</b> N: 573751.0 - E: 629836.1</p> <p>LAT: 32.5769676° N LONG: 104.0460298° W</p> <p>A: FOUND BRASS CAP "1916" N: 569820.2 - E: 622012.4</p> <p>B: FOUND BRASS CAP "1916" N: 572462.9 - E: 622006.1</p> <p>C: FOUND BRASS CAP "1916" N: 575105.3 - E: 621999.3</p> <p>D: FOUND BRASS CAP "1916" N: 575108.8 - E: 624645.4</p> <p>E: FOUND BRASS CAP "1916" N: 575112.3 - E: 627291.8</p> <p>F: FOUND BRASS CAP "1916" N: 575110.6 - E: 629934.1</p> <p>G: FOUND BRASS CAP "1918" N: 575107.2 - E: 632578.7</p> <p>H: FOUND BRASS CAP "1918" N: 572468.2 - E: 632578.9</p> <p>I: FOUND 2" PIPE N: 569828.1 - E: 632585.1</p> <p>J: FOUND 1" PIPE N: 569827.3 - E: 629941.9</p> <p>K: FOUND BRASS CAP "1916" N: 569827.7 - E: 627300.4</p> <p>L: FOUND BRASS CAP "1916" N: 569823.8 - E: 624656.9</p> <p>M: FOUND BRASS CAP "1916" N: 572469.6 - E: 627296.2</p>	<p><b><sup>17</sup> OPERATOR CERTIFICATION</b></p> <p>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.</p> <p>Signature _____ Date _____</p> <p>Printed Name _____</p> <p>E-mail Address _____</p> <p><b><sup>18</sup> SURVEYOR CERTIFICATION</b></p> <p>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.</p> <p><b>03-09-20</b> Date of Survey</p> <p>(H) Signature and Seal of Professional Surveyor</p> <p><b>19680</b> Certificate Number</p> <p>(I)</p>
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S 89°55'27" W 2646.76' (D) S 89°55'27" W 2647.03' (E) N 89°57'46" W 2642.89' (F) N 89°55'38" W 2645.26' (G)

N 00°08'51" W 2643.04' (C)

1360'

S.L. 205'

15

N 00°05'39" W 2643.32' (M)

2543'

B.H.

14

N 00°00'18" W 2639.69' (N)

N 00°08'15" W 2643.35' (C)

N 00°05'29" W 2642.57' (M)

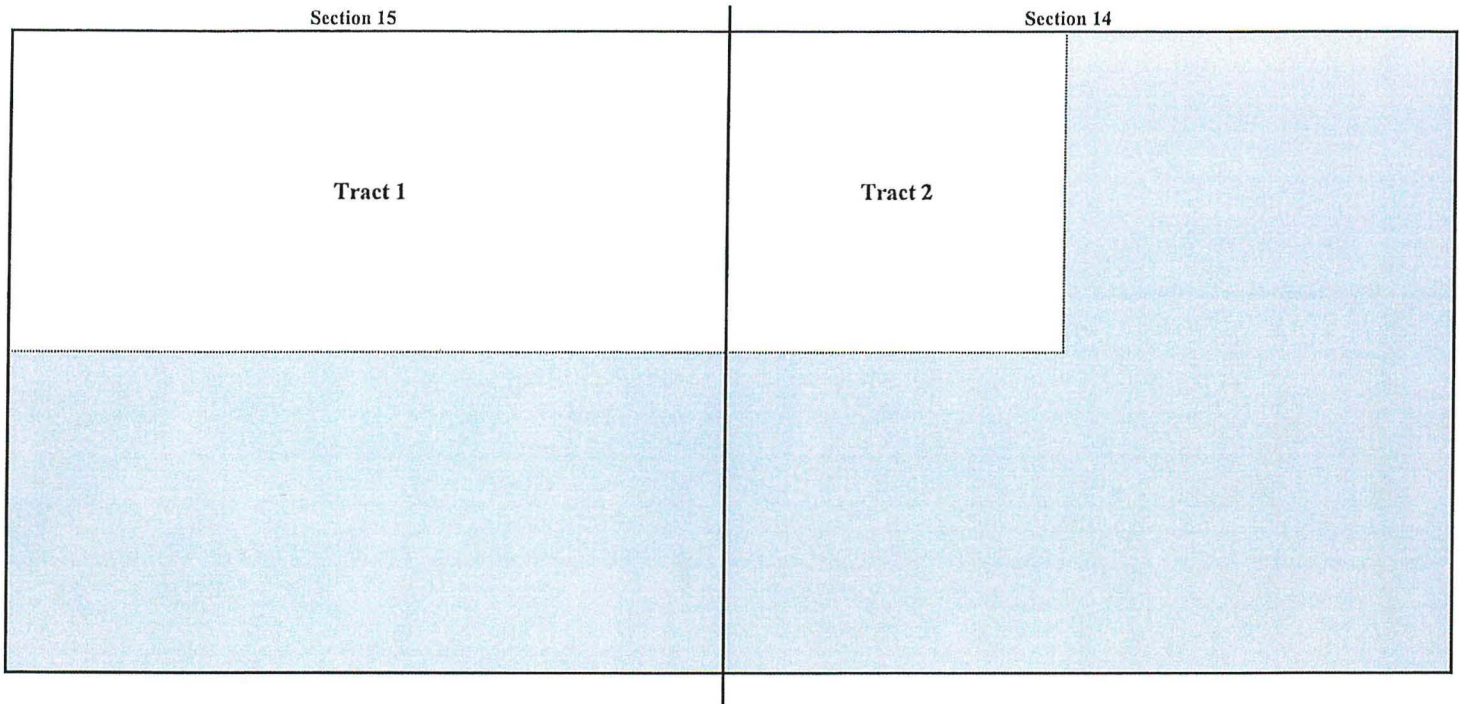
N 00°08'02" W 2640.73' (N)

S 89°55'20" W 2645.06' (L) S 89°54'55" W 2644.17' (K) N 89°59'32" W 2642.15' (J) S 89°59'02" W 2643.82' (I)

RRC-Job No: LS20010081

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

T18S-R32E, Eddy County, NM



**Tract 1: N/2 of Section 15 - Federal Lease NMNM 0556290**

Mewbourne Oil Company  
Occidental Permian Limited Partnership  
McCombs Energy, L.L.C  
Great Western Drilling Ltd.  
Trainer Partners, Ltd.  
Sand Dollar Petroleum, Inc  
Brooks Oil & Gas Interests, Ltd  
BancTexas Capital, Inc  
Jeffrey M. Johnston  
Michael A. Short  
McGuire Family, LLC  
Stroube Energy, Inc.  
F.M. Mayer Investments  
Charlene Calvert Willie, Deceased

**Tract 2: NW of Section 14 - Federal Lease NMNM 129730**

Mewbourne Oil Company

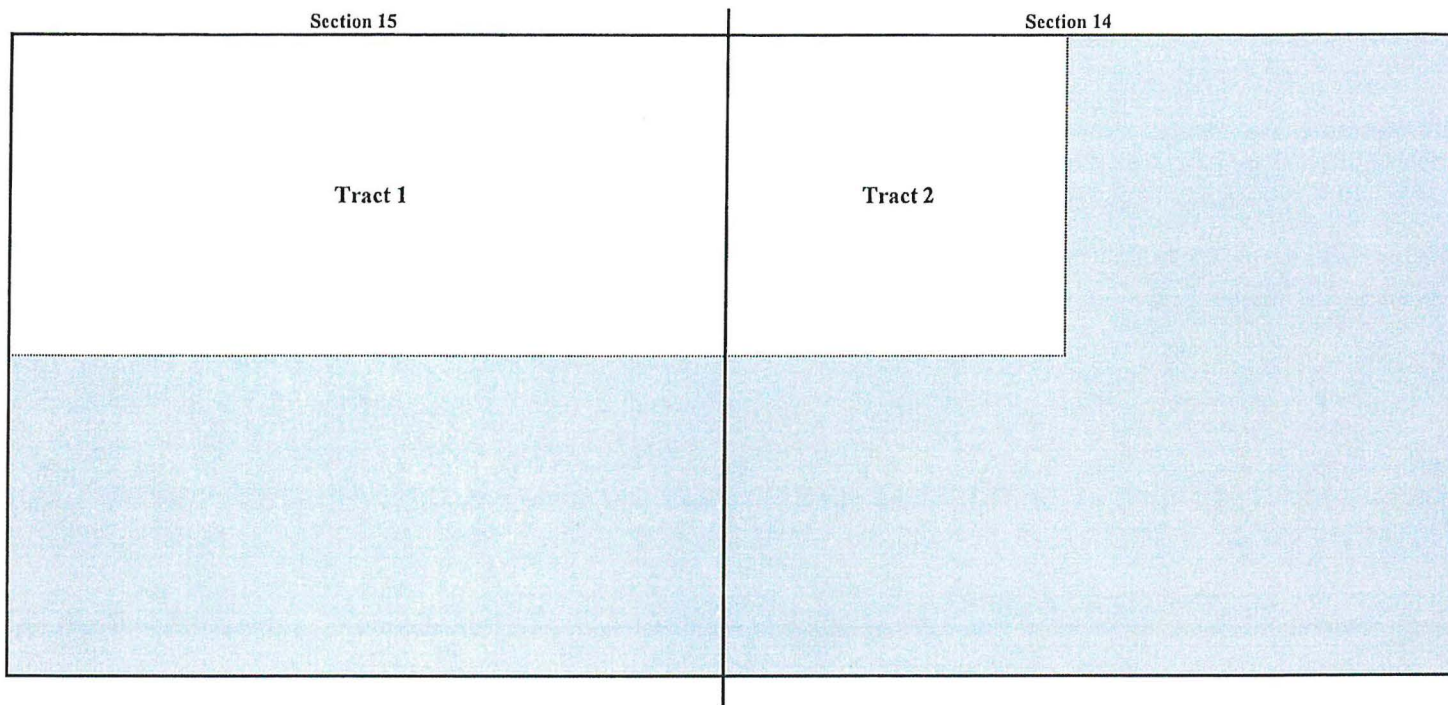
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**MEWBOURNE OIL**  
**Exhibit A-4**

RECAPITULATION FOR ITHACA 15-14 W0EF FED COM #1H

Tract Number	Number of Acres Committed	Percentage of Interest in Communitized Area
1	320	66.666667%
2	160	33.333333%
TOTAL	480	100.000000%

T20S-R29E, Eddy County, NM



Case No. 21358

MEWBOURNE OIL

Exhibit A-5



**TRACT OWNERSHIP**  
Ithaca 15-14 W0EF Fed Com #1H  
N/2 of Section 15 & NW of Section 14

N/2 of Section 15 & NW of Section 14  
Bone Spring Formation:

Owner	% of Leasehold Interest
Mewbourne Oil Company, et al.	62.464447%
*Occidental Permian Limited Partnership 5 Greenway Plaza, Suite 110 Houston, Texas 77046	13.333333%
McCombs Energy, L.L.C. 755 East Mulberry Ave., Suite 600 San Antonio, Texas 78212	9.114587%
Great Western Drilling Ltd. 700 West Louisiana Ave. Midland, TX 79701	8.333333%
Trainer Partners, Ltd. 200 W. Illinois Ave., Suite 212 Midland, TX 79701	5.468733%
Sand Dollar Petroleum, Inc PO Box 1324 Midland, TX 79702	0.520833%
Brooks Oil & Gas Interests, Ltd. 369 Montezuma #121 Santa Fe, NM 87505	0.218747%
BancTexas Capital, Inc P.O. Box 650282 Dallas, Texas 75265	0.125067%
Jeffrey M. Johnston P.O. Box 1324 Midland, Texas 79702	0.130207%
Michael A. Short 1309 Brighton Place Midland, Texas 79705	0.130207%
McGuire Family, LLC 2710 Kingston Bluff Ln Katy, TX 77494	0.104793%
Stroube Energy, Inc 18208 Preston Road, Suite D9249 Dallas, Texas 75252	0.035053%
F.M. Mayer Investments P.O. Box 5083 Denver, CO 80517	0.017527%
Charlene Calvert Willie, Deceased 9427 Canyon Mist Helotes, Texas 78023	0.003133%
<b>TOTAL</b>	<b>100.000000%</b>
<b>Total Interest Being Pooled:</b>	<b>6.719247%</b>

OWNERSHIP BY TRACT

<u>N/2 of Section 15</u>	
Owner	% of Leasehold Interest
Mewbourne Oil Company, et al.	43.696670%
Occidental Permian Limited Partnership	20.000000%
McCombs Energy, L.L.C.	13.671880%
Great Western Drilling Ltd.	12.500000%
Trainer Partners, Ltd	8.203100%
Sand Dollar Petroleum, Inc	0.781250%
Brooks Oil & Gas Interests, Ltd	0.328120%
BancTexas Capital, Inc	0.187600%
Jeffrey M. Johnston	0.195310%
Michael A. Short	0.195310%
McGuire Family, LLC	0.157190%
Stroube Energy, Inc	0.052580%
F.M. Mayer Investments	0.026290%
Charlene Calvert Willie, Deceased	0.004700%
<b>TOTAL</b>	<b>100.000000%</b>

<u>NW of Section 14</u>	
Owner	% of Leasehold Interest
Mewbourne Oil Company, et al.	100.000000%
<b>TOTAL</b>	<b>100.000000%</b>

Case No. 21358

**MEWBOURNE OIL**  
**Exhibit A-6**

# MEWBOURNE OIL COMPANY

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

December 17, 2019

Via Certified Mail

Jeffrey M. Johnston  
P.O. Box 1324  
Midland, Texas 79702

Re: **Ithaca 15-14 B3DC Fed Com #1H**  
**Ithaca 15-14 B3EF Fed Com #1H**  
**Ithaca 15-14 W0EF Fed Com #1H**  
N2 of Section 15 & NW4 of Section 14  
T20S, R29E, Eddy County, New Mexico

Ladies and Gentlemen:

Mewbourne Oil Company, as Operator, hereby proposes drilling the following three (3) horizontal tests:

- 1) Ithaca 15-14 B3DC Fed Com #1H – APD in process  
Surface Location: 1330' FNL, 205' FWL, Section 15  
Bottom Hole Location: 440' FNL, 2540' FWL, Section 14  
Proposed Total Vertical Depth: 9170'  
Proposed Total Measured Depth: 16590'  
Formation: Bone Spring
- 2) Ithaca 15-14 B3EF Fed Com #1H – APD in process  
Surface Location: 1390' FNL, 205' FWL, Section 15  
Bottom Hole Location: 2280' FNL, 2540' FWL, Section 14  
Proposed Total Vertical Depth: 9200'  
Proposed Total Measured Depth: 16620'  
Formation: Bone Spring
- 3) Ithaca 15-14 W0EF Fed Com #1H – APD in process  
Surface Location: 1360' FNL, 205' FWL, Section 15  
Bottom Hole Location: 1360' FNL, 2540' FWL, Section 14  
Proposed Total Vertical Depth: 9390'  
Proposed Total Measured Depth: 16810'  
Formation: Wolfcamp

In the event you elect 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.

Case No. 21358

MEWBOURNE OIL  
Exhibit A-7

Ithaca 15-14 B3DC Fed Com #1H  
Ithaca 15-14 B3EF Fed Com #1H  
Ithaca 15-14 W0EF Fed Com #1H  
Page 2 of 2

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

Very truly yours,

**MEWBOURNE OIL COMPANY**

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

Tyler Jolly  
Landman

Enclosures

**Summary of Communications**  
**Ithaca 15-14 B3DC Fed Com #1H**  
**Ithaca 15-14 B3EF Fed Com #1H**  
**Ithaca 15-14 W0EF Fed Com #1H**

**F.M. Mayer Investments**

1. December 17, 2019, sent well proposal via certified mail. Proof of Delivery is attached.
2. Conducted name and company search May 5, 2020.
3. Called and left voicemail May 5, 2020. A call was never returned back.
4. Called and left voicemail July 30, 2020. A call was never returned back.

**BancTexas Capital, Inc. c/o Co-America**

1. December 17, 2019, sent well proposal via certified mail. Proof of Delivery is attached.
2. Conducted name and company search May 5, 2020.
3. Called and left voicemail May 5, 2020. A call was never returned back.
4. Called and left voicemail July 30, 2020. A call was never returned back.

**McGuire Family, LLC**

1. December 17, 2019, sent well proposal via certified mail. Proof of Delivery is attached.
2. Phone call to Travis Sample in December 2019 mentioned the interest was assigned to McGuire Family, LLC
3. Operating Agreement letter sent to Travis Sample January 14, 2020 regarding McGuire Family, LLC's participation.
4. Phone call to Travis Sample July 30, 2020 mentioned that McGuire Family, LLC is interested in a term assignment of operating rights.

**Jeffrey M. Johnston**

1. December 17, 2019, sent well proposal via certified mail. Proof of Delivery is attached.
2. Phone call with Jeff Johnston July 2020 about participation in the proposed wells.

**Michael A. Short**

1. December 17, 2019, sent well proposal via certified mail. Proof of Delivery is attached.
2. Name search conducted for Michael A. Short.

**Sand Dollar Petroleum, Inc.**

1. December 17, 2019, sent well proposal via certified mail. Proof of Delivery is attached.
2. Phone call with Jeff Johnston July 2020 about participation in the proposed wells. Jeff Johnston is owner of Sand Dollar Petroleum, Inc.





**Estate of Charlie Calvert Willie, Deceased**

1. December 17, 2019, sent well proposal via certified mail. Proof of Delivery is attached.
2. Conducted name search May 5, 2020.
3. Called and left voicemail May 5, 2020. A call was never returned back.

**Trainer Partners Ltd.**

1. December 17, 2019, sent well proposal via certified mail. Proof of Delivery is attached.
2. Upon request from Trainer, sent well proposal to different address January 13, 2020. Proof of Delivery is attached.
3. Emailed well proposal to Mr. Trainer January 13, 2020 with offer to term assign. Proof of delivery of the email attached.
4. Email chain between Leo Slootsky and Tyler Jolly about the Ithaca 15-14 Prospect.

## EXHIBIT "A"

Attached to and made a part of that certain Operating Agreement dated January 15, 2020, by and between MEWBOURNE OIL COMPANY as Operator and DEVON ENERGY PRODUCTION COMPANY, L.P., et al, as Non-Operators.

1. LANDS SUBJECT TO THIS AGREEMENT:

Township 20 South, Range 29 East, N.M.P.M., Eddy County, New Mexico  
N2 of Section 15  
NW4 of Section 14  
containing 480.00 acres, more or less.

2. DEPTH RESTRICTIONS AND EXCLUSIONS:

Surface to the base of the Morrow formation.

3. ADDRESSES OF THE PARTIES:

Mewbourne Oil Company  
500 West Texas, Suite 1020  
Midland, Texas 79701  
Attn: Land Department

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

Estate of Charlie Calvert Willie, Deceased  
9427 Canyon Mist  
Helotes, Texas 78023  
Attn: Claris Bacchetta

McCombs Exploration, LLC  
755 East Mulberry Ave., Suite 600  
San Antonio, Texas 78212

Great Western Drilling Ltd.  
700 West Louisiana Ave.  
Midland, Texas 79701

Trainer Partners, Ltd.  
200 W. Illinois Ave., Suite 212  
Midland, Texas 79701

Sand Dollar Petroleum, Inc.  
Jeffrey M. Johnston  
P.O. Box 1324  
Midland, Texas 79702

Brooks Oil & Gas Interests, Ltd.  
369 Montezuma #121  
Santa Fe, New Mexico 87505  
Attn: Mr. David K. Brooks

BancTexas Capital, Inc.  
c/o Comerica  
P.O. Box 650282  
Dallas, Texas 75265

Michael A. Short  
1309 Brighton Place  
Midland, Texas 79705

Case No. 21358

MEWBOURNE OIL  
Exhibit A-9

McGuire Family, LLC  
4925 Greenville Ave., Suite 945  
Dallas, Texas 75206  
Attn: Travis Sample

Stroube Energy, Inc.  
18208 Preston Road, Suite D9249  
Dallas, Texas 75252  
Attn: Frank Stroube

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

4. PERCENTAGES OF THE PARTIES:

Initial, Substitute and Subsequent Wells

Mewbourne Oil Company  
Occidental Permian Limited Partnership  
McCombs Exploration, LLC  
Great Western Drilling Ltd.  
Trainer Partners, Ltd.  
Sand Dollar Petroleum, Inc.  
Brooks Oil & Gas Interests, Ltd.  
BancTexas Capital, Inc.  
Jeffrey M. Johnston  
Michael A. Short  
McGuire Family, LLC  
Stroube Energy, Inc.  
F.M. Mayer Investments  
Charlene Calvert Willie

5. OIL AND GAS LEASES SUBJECT TO THIS AGREEMENT:

Lease No. 1:

Lease Serial No. NMNM 0556290.

Date: March 1, 1965.

Lessor: United States of America.

Lessee: C.R. Craig.

Recorded: Unrecorded.

Description: **Township 20 South, Range 29 East, N.M.P.M., Eddy County, New Mexico**  
Section 15: ONLY INSOFAR as the lease covers the N2,  
containing 320.00 acres, more or less.

Lease No. 2:

Lease Serial No. NMNM 129730.

Date: April 1, 2013.

Lessor: United States of America.

Lessee: Daniel E. Gonzales.

Recorded: Unrecorded.

Description: **Township 20 South, Range 29 East, N.M.P.M., Eddy County, New Mexico**  
Section 14: NW4,  
containing 160.00 acres, more or less.

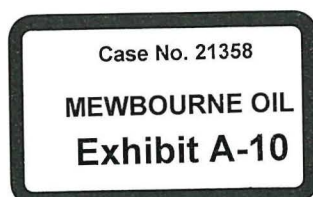
6. BURDENS ON PRODUCTION:

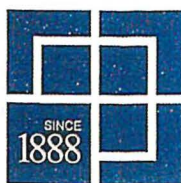
Burdens of Record.

End of Exhibit "A"



**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 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 horizontal spacing unit will be dedicated to the Ithaca 15/14 W0EF Fed Com #1H well, which will be horizontally drilled from a surface location in Unit E in Section 15 to a bottom hole location in Unit F in Section 14, Township 20 South, Range 29 East in Eddy County. The completed interval for 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.





## 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

July 14, 2020

### VIA CERTIFIED MAIL

BancTexas Capital, Inc.  
P.O. Box 650282  
Dallas, TX 75265

Case No. 21358

**MEWBOURNE OIL  
Exhibit A-11**

Re: Mewbourne Oil Company NMOCD Applications

Dear Sir or Madam:

Enclosed are copies of three applications for compulsory pooling that Mewbourne Oil Company ("Mewbourne") has filed with the New Mexico Oil Conservation Division ("the Division"). The applications request the following.

1. In Case No. 21358, Mewbourne seeks an order pooling all uncommitted mineral interests in the Wolfcamp formation in 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 horizontal spacing unit will be dedicated to the Ithaca 15/14 W0EF Fed Com #1H well.

2. In Case No. 21359, Mewbourne seeks an order pooling all uncommitted mineral interests in the Bone Spring 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 B3DC Fed Com #1H well.

3. In Case No. 21360, Mewbourne seeks an order pooling all uncommitted mineral interests in the Bone Spring formation in a 240-acre, more or less, standard horizontal spacing unit comprised of the S/2 N/2 of Section 15 and the S/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 B3EF Fed Com #1H well.

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 August 6, 2020 beginning at 8:15 a.m. To participate in the electronic hearing, see the instructions posted on the Division's Hearings website: <http://www.emnrd.state.nm.us/OCD/hearings.html>. BancTexas Capital, Inc. ("BancTexas") is not required to attend the hearing, but as an owner of an interest that may be affected by Mewbourne's application, it may appear at the hearing and present testimony. If BancTexas does not appear at that time and become a party of record, it will be precluded from contesting the matter at a later date.

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

July 14, 2020  
Page 2

A party appearing in a Division case is required by the Division's Rules to file a Pre-Hearing Statement, which in this matter must be filed no later than Thursday, July 30, 2020. 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



## 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:

BancTexas Capital, Inc.  
P.O. Box 650282  
Dallas, TX 75265



9590 9402 5941 0062 9815 84

2. Article Number (Transfer from service label)

7019 2970 0000 7642 9683

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

Domestic Return Receipt

## COMPLETE THIS SECTION ON DELIVERY

A. Signature

X *[Signature]*☐ Agent☐ Addressee

B. Received by (Printed Name)

1015 B

C. Date of Delivery

0

D. Is delivery address different from item 1? ☐ YesIf 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☐ Restricted Delivery☐ Priority Mail Express®☐ Registered Mail™☐ Registered Mail Restricted Delivery☐ Return Receipt for Merchandise☐ Signature Confirmation™☐ Signature Confirmation Restricted Delivery

## 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:

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



9590 9402 5941 0062 9815 15

2. Article Number (Transfer from service label)

0000 7642 9614

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

Domestic Return Receipt

## COMPLETE THIS SECTION ON DELIVERY

A. Signature

X *[Signature]*☐ Agent☐ Addressee

B. Received by (Printed Name)

1110 C19

C. Date of Delivery

7/17/20

D. Is delivery address different from item 1? ☐ YesIf 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☐ Restricted Delivery☐ Priority Mail Express®☐ Registered Mail™☐ Registered Mail Restricted Delivery☐ Return Receipt for Merchandise☐ Signature Confirmation™☐ Signature Confirmation Restricted Delivery

## 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 5941 0062 9815 22

2. Article Number (Transfer from service label)

7019 2970 0000 7642 9621

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

Domestic Return Receipt

## COMPLETE THIS SECTION ON DELIVERY

A. Signature

X *[Signature]*☒ Agent☐ Addressee

B. Received by (Printed Name)

BRYAN SMITH

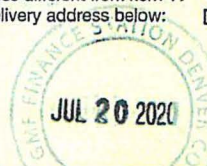
C. Date of Delivery

D. Is delivery address different from item 1? ☐ YesIf 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

Restricted Delivery

☐ Priority Mail Express®☐ Registered Mail™☐ Registered Mail Restricted Delivery☐ Return Receipt for Merchandise☐ Signature Confirmation™☐ Signature Confirmation Restricted Delivery



SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<p>■ Complete items 1, 2, and 3.</p> <p>■ Print your name and address on the reverse so that we can return the card to you.</p> <p>■ Attach this card to the back of the mailpiece, or on the front if space permits.</p> <p>1. Article Addressed to:</p> <p style="margin-left: 40px;">Jeffrey M. Johnston 400 West Illinois, Suite 1600 Midland, TX 79701</p>	<p>A. Signature X <u><i>J Johnston</i></u> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) <u>COVID-19-7.2</u> C. Date of Delivery <u>7/17/20</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>
<div style="text-align: center;">             9590 9402 5941 0062 9815 39         </div> <p>2. Article Number (Transfer from service label) <b>7019 2970 0000 7642 9638</b></p>	<p>3. Service Type</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 60%;"> <input type="checkbox"/> Adult Signature  <input type="checkbox"/> Adult Signature Restricted Delivery  <input checked="" type="checkbox"/> Certified Mail®  <input type="checkbox"/> Certified Mail Restricted Delivery  <input type="checkbox"/> Collect on Delivery  <input type="checkbox"/> Collect on Delivery Restricted Delivery  <input type="checkbox"/> all Restricted Delivery           </div> <div style="width: 35%;"> <input type="checkbox"/> Priority Mail Express®  <input type="checkbox"/> Registered Mail™  <input type="checkbox"/> Registered Mail Restricted Delivery  <input type="checkbox"/> Return Receipt for Merchandise  <input type="checkbox"/> Signature Confirmation™  <input type="checkbox"/> Signature Confirmation Restricted Delivery           </div> </div>

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

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

For delivery information, visit our website at [www.usps.com](http://www.usps.com)

OFFICIAL USE

Certified Mail Fee \$ \_\_\_\_\_

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

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

Postage \$ \_\_\_\_\_


Total Postage and Fees \$ \_\_\_\_\_

Sent To \_\_\_\_\_

Street and Apt. No., or PO Box # \_\_\_\_\_ McGuire Family, LLC  
 4925 Greenville Ave, Ste 945  
 City, State, ZIP+4® \_\_\_\_\_ Dallas, TX 75206

JUL 14 2020  
 Postmark Here  
 SAN ANTONIO, TX

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

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<p>■ Complete items 1, 2, and 3.</p> <p>■ Print your name and address on the reverse so that we can return the card to you.</p> <p>■ Attach this card to the back of the mailpiece, or on the front if space permits.</p> <p>1. Article Addressed to:</p> <p style="margin-left: 40px;">Michael A. Short 110 N. Marienfeld, Suite 200 Midland, TX 79701</p>	<p>A. Signature X <u><i>S Lopez</i></u> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) <u>COVID-19-7.2</u> C. Date of Delivery <u>7/17/20</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>
<div style="text-align: center;">             9590 9402 5941 0062 9815 53         </div> <p>2. Article Number (Transfer from service label) <b>7019 2970 0000 7642 9652</b></p>	<p>3. Service Type</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 60%;"> <input type="checkbox"/> Adult Signature  <input type="checkbox"/> Adult Signature Restricted Delivery  <input checked="" type="checkbox"/> Certified Mail®  <input type="checkbox"/> Certified Mail Restricted Delivery  <input type="checkbox"/> Collect on Delivery  <input type="checkbox"/> Collect on Delivery Restricted Delivery           </div> <div style="width: 35%;"> <input type="checkbox"/> Priority Mail Express®  <input type="checkbox"/> Registered Mail™  <input type="checkbox"/> Registered Mail Restricted Delivery  <input type="checkbox"/> Return Receipt for Merchandise  <input type="checkbox"/> Signature Confirmation™  <input type="checkbox"/> Signature Confirmation Restricted Delivery           </div> </div>

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



## SENDER: COMPLETE THIS SECTION

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

## 1. Article Addressed to:

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



9590 9402 5941 0062 9815 60

## 2. Article Number (Transfer from service label)

7019 2970 0000 7642 9669

## COMPLETE THIS SECTION ON DELIVERY

## A. Signature

X *S. Johnston*

- ☐ Agent  
☐ Addressee

## B. Received by (Printed Name)

COVID-19-72

## C. Date of Delivery

7/7/20

## D. Is delivery address different from item 1?

If YES, enter delivery address below:

- ☐ Yes  
☐ No

## 3. Service Type

- ☐ Adult Signature  
☐ Adult Signature Restricted Delivery  
☒ Certified Mail®  
☐ Certified Mail Restricted Delivery  
☐ Collect on Delivery  
☐ Collect on Delivery Restricted Delivery  
☐ Insured Mail  
☐ Restricted Delivery
- ☐ Priority Mail Express®  
☐ Registered Mail™  
☐ Registered Mail Restricted Delivery  
☐ Return Receipt for Merchandise  
☐ Signature Confirmation™  
☐ Signature Confirmation Restricted Delivery

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

Domestic Return Receipt

## SENDER: COMPLETE THIS SECTION

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

## 1. Article Addressed to:

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



9590 9402 5941 0062 9815 77

## 2. Article Number (Transfer from service label)

7019 2970 0000 7642 9676

## COMPLETE THIS SECTION ON DELIVERY

## A. Signature

X *Linda Kirk*

- ☒ Agent  
☐ Addressee

## B. Received by (Printed Name)

LINDA SKIRK

## C. Date of Delivery

18 Jul 2020

## D. Is delivery address different from item 1?

If YES, enter delivery address below:

- ☐ Yes  
☒ No

*received  
20 Jul 20  
- left in P.O. Box  
18 Jul 20*

## 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  
☐ Restricted Delivery
- ☐ Priority Mail Express®  
☐ Registered Mail™  
☐ Registered Mail Restricted Delivery  
☐ Return Receipt for Merchandise  
☐ Signature Confirmation™  
☐ Signature Confirmation Restricted Delivery

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

Domestic Return Receipt

**Affidavit of Publication**

Ad # 0004281926

**This is not an invoice**

**HINKLE SHANOR LLP**  
218 MONTEZUMA

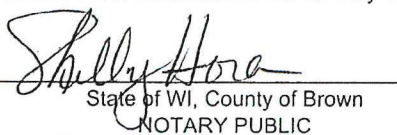
**SANTA FE, NM 87501**

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:

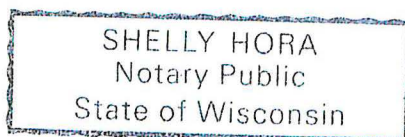
07/15/2020

  
Legal Clerk

Subscribed and sworn before me this July 15, 2020:

  
State of WI, County of Brown  
NOTARY PUBLIC

8-25-23  
My commission expires



Ad # 0004281926  
PO #: 15-14W0EF  
# of Affidavits 1

**This is not an invoice**

This is to notify all interested parties, including Trainer Partners, Ltd., Sand Dollar Petroleum, Inc., Jeffrey M. Johnston, BancTexas Capital, Inc., F.M. Mayer Investments, Estate of Charlene Calvert Willie, Deceased, McGuire Family, LLC, Attn: Travis Sample, 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. 21358). 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 August 6, 2020 beginning at 8:15 a.m. To participate in the electronic hearing, see the instructions posted on the OCD Hearings website: <http://www.emnrd.state.nm.us/OCD/hearings.html>. Applicant seeks an order pooling all uncommitted mineral interests in the Wolfcamp formation in 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 horizontal spacing unit will be dedicated to the Ithaca 15/14 W0EF Fed Com #1H well, which will be horizontally drilled from a surface location in Unit E in Section 15 to a bottom hole location in Unit F in Section 14, Township 20 South, Range 29 East in Eddy County. The completed interval for 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.  
4281926, Current-Argus, July 15, 2020

Case No. 21358

**MEWBOURNE OIL**  
**Exhibit A-12**



# MEWBOURNE OIL COMPANY

## AUTHORIZATION FOR EXPENDITURE

Well Name: <b>ITHACA 15/14 W0EF FED COM #1H</b>		Prospect: <b>WFMP Y SAND</b>	
Location: <b>SHL: 1360 FNL &amp; 205 FWL (15); BHL: 1360 FNL &amp; 2540 FWL (14)</b>		County: <b>Eddy</b>	ST: <b>NM</b>
Sec. <b>15</b>	Blk: <b></b>	Survey: <b></b>	TWP: <b>20S</b> RNG: <b>29E</b> Prop. TVD: <b>9390</b> TMD: <b>16810</b>

INTANGIBLE COSTS 0180	CODE	TCP	CODE	CC
Regulatory Permits & Surveys	0180-0100	\$20,000	0180-0200	
Location / Road / Site / Preparation	0180-0105	\$75,000	0180-0205	\$40,000
Location / Restoration	0180-0106	\$200,000	0180-0206	\$30,000
Daywork / Turnkey / Footage Drilling    24 days drlg / 3 days comp @ \$21500/d	0180-0110	\$552,000	0180-0210	\$68,900
Fuel    1700 gal/day @ 2.74/gal	0180-0114	\$139,400	0180-0214	\$170,000
Mud, Chemical & Additives	0180-0120	\$200,000	0180-0220	
Horizontal Drillout Services			0180-0222	\$200,000
Cementing	0180-0125	\$100,000	0180-0225	\$30,000
Logging & Wireline Services	0180-0130	\$2,500	0180-0230	\$230,000
Casing / Tubing / Snubbing Service	0180-0134	\$20,000	0180-0234	\$90,000
Mud Logging	0180-0137	\$30,000		
Stimulation    30 Stg    15 MM gal / 15 MM lb			0180-0241	\$1,250,000
Stimulation Rentals & Other			0180-0242	\$200,000
Water & Other	0180-0145	\$60,000	0180-0245	\$400,000
Bits	0180-0148	\$130,000	0180-0248	\$8,000
Inspection & Repair Services	0180-0150	\$40,000	0180-0250	\$5,000
Misc. Air & Pumping Services	0180-0154		0180-0254	\$10,000
Testing & Flowback Services	0180-0158	\$15,000	0180-0258	\$30,000
Completion / Workover Rig			0180-0260	\$10,500
Rig Mobilization	0180-0164	\$150,000		
Transportation	0180-0165	\$30,000	0180-0265	\$20,000
Welding Services	0180-0168	\$5,000	0180-0268	\$15,000
Contract Services & Supervision	0180-0170	\$39,000	0180-0270	\$70,500
Directional Services    Includes Vertical Control	0180-0175	\$273,000		
Equipment Rental	0180-0180	\$201,400	0180-0280	\$30,000
Well / Lease Legal	0180-0184	\$5,000	0180-0284	
Well / Lease Insurance	0180-0185	\$800	0180-0285	
Intangible Supplies	0180-0188	\$8,000	0180-0288	\$10,000
Damages	0180-0190	\$10,000	0180-0290	\$10,000
ROW & Easements	0180-0192		0180-0292	\$5,000
Pipeline Interconnect			0180-0293	\$50,000
Company Supervision	0180-0195	\$124,800	0180-0295	\$100,800
Overhead Fixed Rate	0180-0196	\$10,000	0180-0296	\$20,000
Well Abandonment	0180-0198		0180-0298	
Contingencies    2% (TCP)    2% (CC)	0180-0199	\$48,800	0180-0299	\$62,100
<b>TOTAL</b>		<b>\$2,489,700</b>		<b>\$3,165,800</b>

TANGIBLE COSTS 0181				
Casing (19.1" - 30")    400- 20" 94# X-56 BTC KAWASAKI NEW @ 75.20/ft	0181-0793	\$30,100		
Casing (10.1" - 19.0")    1400' - 13 3/8" 54.5# J-55 ST&C @ \$38.48/ft	0181-0794	\$57,600		
Casing (8.1" - 10.0")    3100' - 9 5/8" 36# HCL80 LT&C @ \$24.67/ft	0181-0795	\$81,700		
Casing (6.1" - 8.0")    9665' - 7" 29# HCP-110 LT&C @ \$23.84/ft	0181-0796	\$246,100		
Casing (4.1" - 6.0")    8050' - 4 1/2" 13.5# P-110 BPN @ \$12.16/ft			0181-0797	\$104,600
Tubing    8810' - 2 7/8" 6.5# L-80 EUE 8rd @ \$5.38/ft			0181-0798	\$50,700
Drilling Head	0181-0860	\$40,000		
Tubing Head & Upper Section			0181-0870	\$50,000
Horizontal Completion Tools    Completion Liner Hanger			0181-0871	\$70,000
Sucker Rods			0181-0875	
Subsurface Equipment			0181-0880	\$10,000
Artificial Lift Systems    Gas Lift Valves & Packer			0181-0884	\$15,000
Pumping Unit			0181-0885	
Surface Pumps & Prime Movers    VRU/SWD Pump/Circ Pump			0181-0886	\$30,000
Tanks - Oil    1/2 - 6 - 750 bbl			0181-0890	\$75,000
Tanks - Water    1/2 - 5 - 750 bbl coated			0181-0891	\$57,500
Separation / Treating Equipment    1/2 GB/30"x10"x1k# 3 ph/35"x15"x1k#/1/2VRT/Flare			0181-0895	\$89,000
Heater Treaters, Line Heaters    8'x20'x75# HT			0181-0897	\$27,000
Metering Equipment			0181-0898	\$15,000
Line Pipe & Valves - Gathering			0181-0900	\$50,000
Fittings / Valves & Accessories			0181-0906	\$100,000
Cathodic Protection			0181-0908	\$125,000
Electrical Installation			0181-0909	\$50,000
Equipment Installation			0181-0910	\$70,000
Pipeline Construction			0181-0920	\$100,000
<b>TOTAL</b>		<b>\$455,500</b>		<b>\$1,088,800</b>
<b>SUBTOTAL</b>		<b>\$2,945,200</b>		<b>\$4,254,600</b>
<b>TOTAL WELL COST</b>				<b>\$7,199,800</b>

Extra Expense Insurance

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

☐ I elect to purchase my own well control insurance policy.

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

Prepared by: <u>T. Cude</u>	Date: <u>11/22/2019</u>
Company Approval: _____	Date: _____
Joint Owner Interest: _____ Amount: _____	Signature: _____
Joint Owner Name: _____	

**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. 21358**

**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. A general location map of the proposed horizontal spacing unit ("HSU") is attached as Exhibit B-1.
5. A structure map of the top of the Wolfcamp formation is attached as Exhibit B-2. The map shows that the structure dips gently to the east-southeast. It also shows a line of cross section and the HSU for the proposed Ithaca 15/14 W0EF Fed Com #1H well.
6. Attached as Exhibit B-3 is a gross sand isopach map of the Wolfcamp Y Sand formation, which is the target zone for the proposed well. It shows that the sand across the HSU has an approximate thickness of 30-40 feet.

Case No. 21358

**MEWBOURNE OIL  
Exhibit B**



7. Attached as Exhibit B-4 is a west to east cross section. The well logs on the cross section provide a representative sample of the upper Wolfcamp formation in the area. The target zone for the proposed well is continuous across the HSU.

8. Attached as Exhibit B-5 is a table containing production data from other Wolfcamp wells drilled in the vicinity. The preference is for laydown wells (west to east or east to west), and the completed wells in the area (recent completions) apparently are commercial.

9. Exhibit B-6 is a Well Planning Report for the proposed well. The report contains survey data of the proposed well bore. The well's producing interval will be orthodox.

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

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

a) The HSU is justified from a geologic standpoint;

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

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

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

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

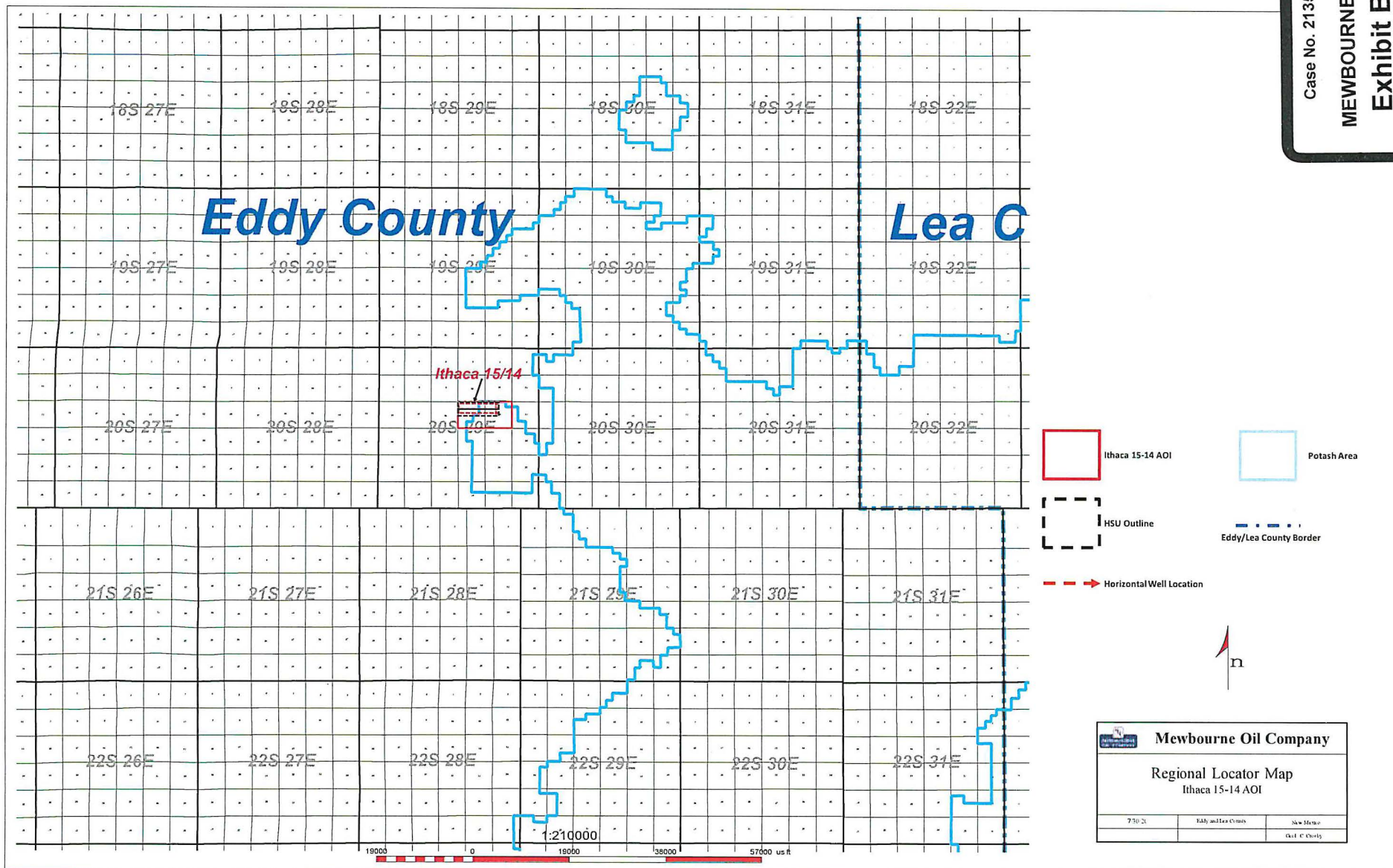
14. I understand that this Self-Affirmed Statement will be used as written testimony in this case. I affirm that my testimony in paragraphs 1 through 13 above is true and correct and is made under penalty of perjury under the laws of the State of New Mexico. My testimony is made as of the date handwritten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

CS

Charles Crosby

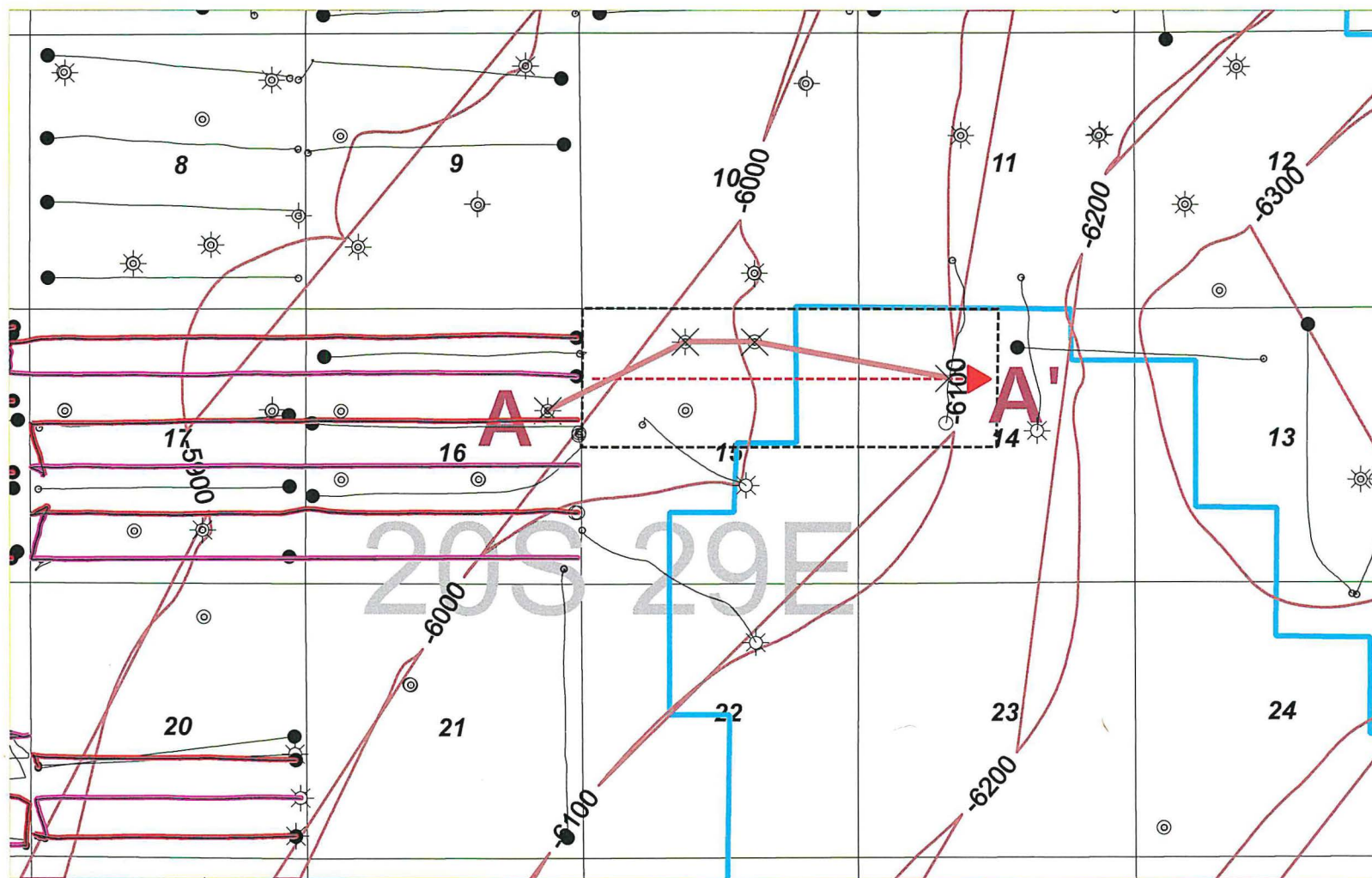
2/3/20

Date



**MEWBOURNE OIL  
Exhibit B-2**

Case No. 21358



Horizontal Activity Color Code

- 3<sup>rd</sup> BSPG Sd
- Wolfcamp Sand

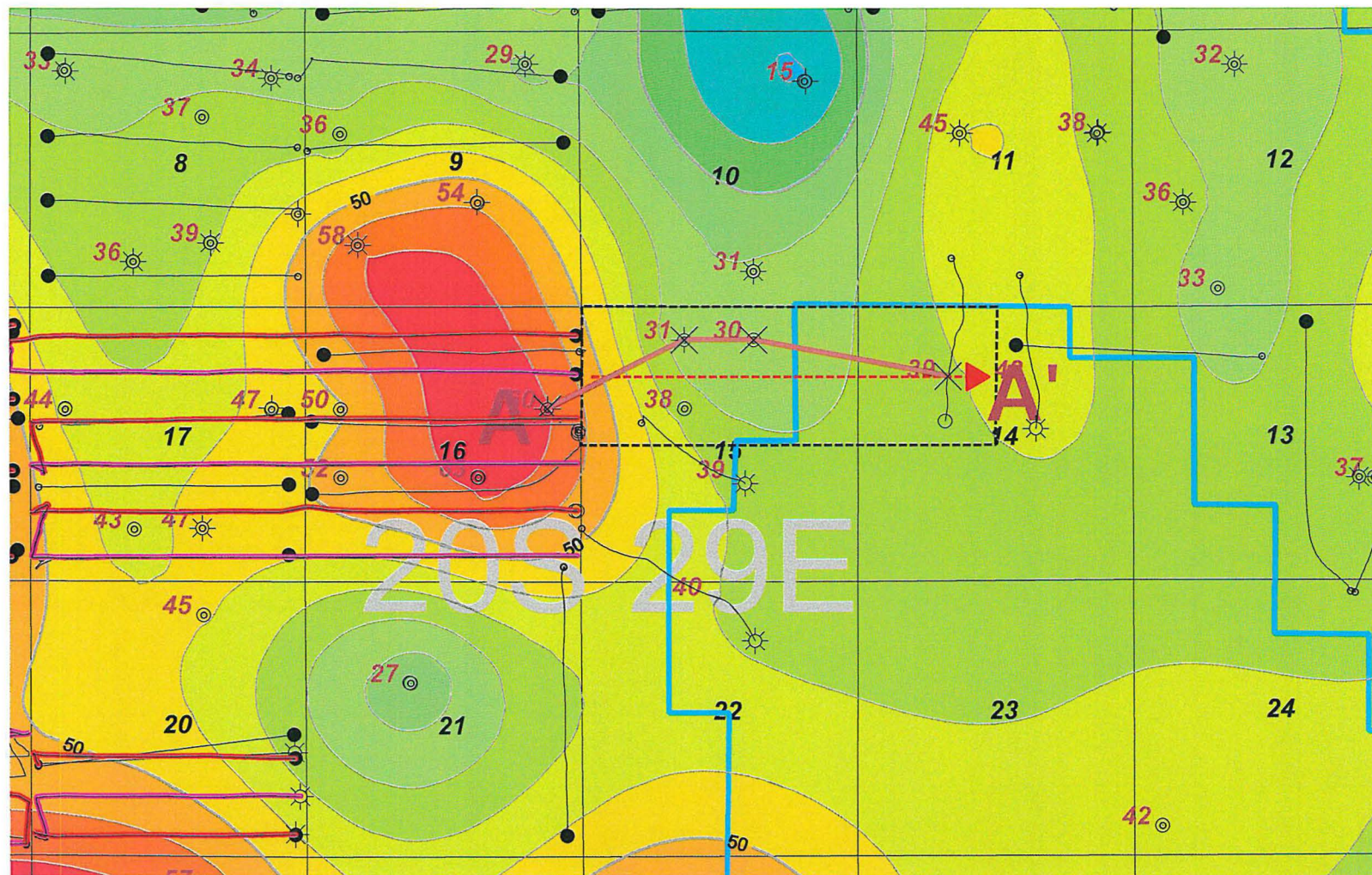


Mewbourne Oil Company		
Ithaca 15/14 W0EF Fed Com 1H Horizontal Activity Map Structure Top of WFMP (C.I. 100')		
7.30.20	Eddy County	New 1/2 Section
		Geol. C. Check



**MEWBOURNE OIL  
Exhibit B-3**

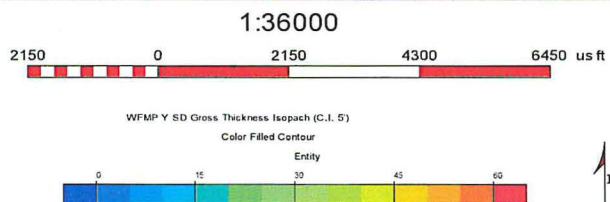
Case No. 21358



Horizontal Activity Color Code

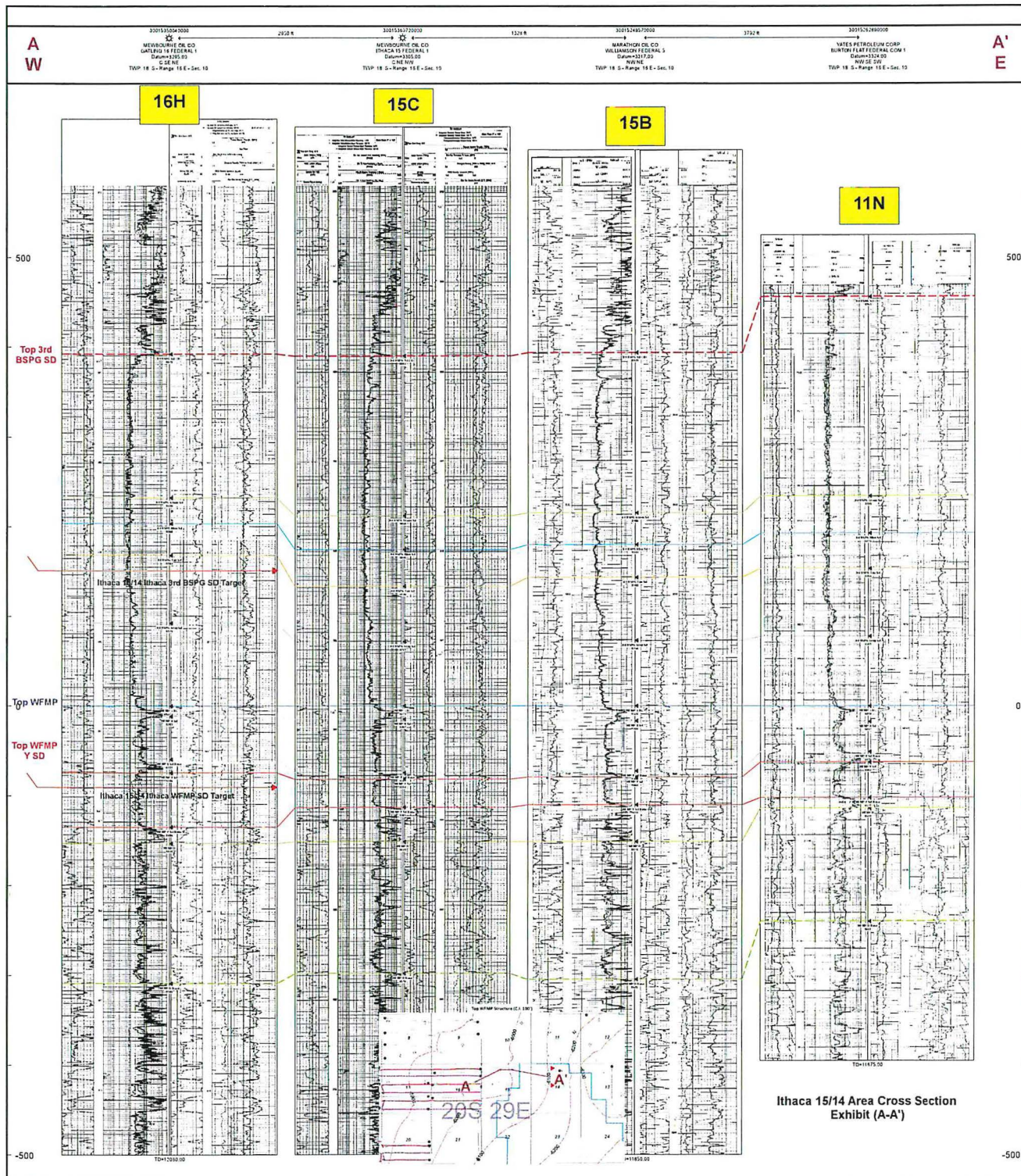
- 3<sup>rd</sup> BSPG Sd
- Wolfcamp Sand

WFMP Y Sand  
Gross Thickness



Mewbourne Oil Company		
Ithaca 15/14 W0EF Fed Com 1H		
WFMP Y SD Gross Thickness (C.I. 5')		
7 30 20	Edly Growth	New Alenco
		Alcol C. Crosby





Case No. 21358

MEADOWBROOK OIL  
 Exhibit B-4

Ithaca Area 3rd BSPG SD and 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	247.7	0.6	190.7	EW	Wolfcamp Sand
Stebbins 20 Federal 134H	Matador	30015441750000	20M/20S/29E	11/8/2017	125.2	0.3	429.2	EW	3rd Bone Spring Sand
Stebbins 20 Federal 20 Federal 204H	Matador	30015441770000	20M/20S/29E	9/15/2018	182.5	1.2	303.1	EW	Wolfcamp Sand
Stebbins 20 Federal 133H	Matador	30015441830000	20L/20S/29E	7/14/2017	113.2	0.2	384.5	EW	3rd Bone Spring Sand
Glock 17/16 B3DA Federal Com 2H	Mewbourne	30015457940000	18A/20S/29E	8/24/2019	197.9	0.4	428.5	EW	3rd Bone Spring Sand
Glock 17/16 B3MP Federal Com 1H	Mewbourne	30015465870000	17M/20S/29E	Pending				EW	3rd Bone Spring Sand
Glock 17/16 B3EH Federal Com 1H	Mewbourne	30015465880000	17L/20S/29E	Pending				EW	3rd Bone Spring Sand
Glock 17/16 W0MP Federal Com 1H	Mewbourne	30015467330000	17M/20S/29E	Pending				EW	Wolfcamp Sand
Glock 17/16 W0LI Federal Com 1H	Mewbourne	30015467460000	17L/20S/29E	Pending				EW	Wolfcamp Sand



# Mewbourne Oil Company

## SURVEY CALCULATION REPORT Minimum Curvature Calculations

Operator: Mewbourne Oil Company  
Lease Name: Ithaca 15/14 WOLF Fed Com III  
KOP 8905.54  
SL: 1360 FNL & 205 FWL Sec 15/20S/29E  
PBHL: 1360 FNL & 2543 FWL Sec 14/20S/29E

Target KBTVD: 9,383 Feet 9383.00  
Target Angle: 88.98 Degrees 88.98  
Section Plane: 90.16 Degrees  
Declination Corrected to True North: 6.63 Degrees  
Bit to Survey Offset: 44 Feet

Survey No	Measured Depth-ft	Drift (Deg)	Azimuth (Deg)	Course Length	TVD (Feet)	Vertical Section	+N-S (Feet)	+E-W (Feet)	Closure Distance	Closure Direction	BUR	DLS	KBTVD	+Above -Below Target	DRIFT (RADIAN)	AZIMUTH (RADIAN)
T/I	8905.54	0.00	90.16	N/A	8905.5	0.0	0.0	0.0	0.0	0.0	N/A	N/A	8905.5	477.5	1E-12	1.57 #VALUE!
1	8979.68	8.90	90.16	74 1476	8979.4	5.7	0.0	5.7	5.7	90.2	12.0	12.0	8979.3	403.7	0.1552943	1.57 0.155294
2	9053.83	17.80	90.16	74 1476	9051.5	22.8	-0.1	22.8	22.8	90.2	12.0	12.0	9051.0	332.0	0.3105886	1.57 0.155294
3	9127.98	26.69	90.16	74 1476	9120.0	50.9	-0.1	50.9	50.9	90.2	12.0	12.0	9119.1	263.9	0.4658829	1.57 0.155294
4	9202.13	35.59	90.16	74 1476	9183.4	89.2	-0.3	89.2	89.2	90.2	12.0	12.0	9181.8	201.2	0.6211772	1.57 0.155294
5	9276.27	44.49	90.16	74 1476	9240.1	136.8	-0.4	136.8	136.8	90.2	12.0	12.0	9237.7	145.3	0.7764715	1.57 0.155294
6	9350.42	53.39	90.16	74 1476	9288.8	192.7	-0.5	192.7	192.7	90.2	12.0	12.0	9285.3	97.7	0.9317658	1.57 0.155294
7	9424.57	62.28	90.16	74 1476	9328.2	255.4	-0.7	255.4	255.4	90.2	12.0	12.0	9323.7	59.3	1.0870601	1.57 0.155294
8	9498.72	71.18	90.16	74 1476	9357.5	323.4	-0.9	323.4	323.4	90.2	12.0	12.0	9351.7	31.3	1.2423544	1.57 0.155294
9	9572.86	80.08	90.16	74 1476	9375.9	395.2	-1.1	395.2	395.2	90.2	12.0	12.0	9368.8	14.2	1.3976488	1.57 0.155294
10	9647.01	88.98	90.16	74 1476	9382.9	468.9	-1.3	468.9	468.9	90.2	12.0	12.0	9374.6	8.4	1.5529431	1.57 0.155294
11	9700.00	88.98	90.16	52 9891	9383.9	521.9	-1.5	521.9	521.9	90.2	0.0	0.0	9374.6	8.4	1.5529431	1.57 1E-10
12	9800.00	88.98	90.16	100	9385.7	621.9	-1.7	621.9	621.9	90.2	0.0	0.0	9374.6	8.4	1.5529431	1.57 1E-10
13	9900.00	88.98	90.16	100	9387.4	721.9	-2.0	721.9	721.9	90.2	0.0	0.0	9374.6	8.4	1.5529431	1.57 1E-10
14	10000.00	88.98	90.16	100	9389.2	821.9	-2.3	821.9	821.9	90.2	0.0	0.0	9374.6	8.4	1.5529431	1.57 1E-10
15	10100.00	88.98	90.16	100	9391.0	921.9	-2.6	921.9	921.9	90.2	0.0	0.0	9374.6	8.4	1.5529431	1.57 1E-10
16	10200.00	88.98	90.16	100	9392.8	1021.8	-2.9	1021.8	1021.8	90.2	0.0	0.0	9374.6	8.4	1.5529431	1.57 1E-10
17	10300.00	88.98	90.16	100	9394.6	1121.8	-3.1	1121.8	1121.8	90.2	0.0	0.0	9374.6	8.4	1.5529431	1.57 1E-10
18	10400.00	88.98	90.16	100	9396.4	1221.8	-3.4	1221.8	1221.8	90.2	0.0	0.0	9374.6	8.4	1.5529431	1.57 1E-10
19	10500.00	88.98	90.16	100	9398.2	1321.8	-3.7	1321.8	1321.8	90.2	0.0	0.0	9374.6	8.4	1.5529431	1.57 1E-10
20	10600.00	88.98	90.16	100	9399.9	1421.8	-4.0	1421.8	1421.8	90.2	0.0	0.0	9374.6	8.4	1.5529431	1.57 1E-10
21	10700.00	88.98	90.16	100	9401.7	1521.8	-4.3	1521.8	1521.8	90.2	0.0	0.0	9374.6	8.4	1.5529431	1.57 1E-10
22	10800.00	88.98	90.16	100	9403.5	1621.7	-4.6	1621.7	1621.7	90.2	0.0	0.0	9374.6	8.4	1.5529431	1.57 1E-10
23	10900.00	88.98	90.16	100	9405.3	1721.7	-4.8	1721.7	1721.7	90.2	0.0	0.0	9374.6	8.4	1.5529431	1.57 1E-10
24	11000.00	88.98	90.16	100	9407.1	1821.7	-5.1	1821.7	1821.7	90.2	0.0	0.0	9374.6	8.4	1.5529431	1.57 1E-10
25	11100.00	88.98	90.16	100	9408.9	1921.7	-5.4	1921.7	1921.7	90.2	0.0	0.0	9374.6	8.4	1.5529431	1.57 1E-10
26	11200.00	88.98	90.16	100	9410.6	2021.7	-5.7	2021.7	2021.7	90.2	0.0	0.0	9374.6	8.4	1.5529431	1.57 1E-10
27	11300.00	88.98	90.16	100	9412.4	2121.7	-6.0	2121.7	2121.7	90.2	0.0	0.0	9374.6	8.4	1.5529431	1.57 1E-10
28	11400.00	88.98	90.16	100	9414.2	2221.7	-6.2	2221.6	2221.7	90.2	0.0	0.0	9374.6	8.4	1.5529431	1.57 1E-10
29	11500.00	88.98	90.16	100	9416.0	2321.6	-6.5	2321.6	2321.6	90.2	0.0	0.0	9374.6	8.4	1.5529431	1.57 1E-10
30	11600.00	88.98	90.16	100	9417.8	2421.6	-6.8	2421.6	2421.6	90.2	0.0	0.0	9374.6	8.4	1.5529431	1.57 1E-10
31	11700.00	88.98	90.16	100	9419.6	2521.6	-7.1	2521.6	2521.6	90.2	0.0	0.0	9374.6	8.4	1.5529431	1.57 1E-10
32	11800.00	88.98	90.16	100	9421.4	2621.6	-7.4	2621.6	2621.6	90.2	0.0	0.0	9374.6	8.4	1.5529431	1.57 1E-10
33	11900.00	88.98	90.16	100	9423.1	2721.6	-7.6	2721.6	2721.6	90.2	0.0	0.0	9374.6	8.4	1.5529431	1.57 1E-10
34	12000.00	88.98	90.16	100	9424.9	2821.6	-7.9	2821.5	2821.6	90.2	0.0	0.0	9374.6	8.4	1.5529431	1.57 1E-10
35	12100.00	88.98	90.16	100	9426.7	2921.5	-8.2	2921.5	2921.5	90.2	0.0	0.0	9374.6	8.4	1.5529431	1.57 1E-10
36	12200.00	88.98	90.16	100	9428.5	3021.5	-8.5	3021.5	3021.5	90.2	0.0	0.0	9374.6	8.4	1.5529431	1.57 1E-10
37	12300.00	88.98	90.16	100	9430.3	3121.5	-8.8	3121.5	3121.5	90.2	0.0	0.0	9374.6	8.4	1.5529431	1.57 1E-10
38	12400.00	88.98	90.16	100	9432.1	3221.5	-9.0	3221.5	3221.5	90.2	0.0	0.0	9374.6	8.4	1.5529431	1.57 1E-10
39	12500.00	88.98	90.16	100	9433.9	3321.5	-9.3	3321.5	3321.5	90.2	0.0	0.0	9374.6	8.4	1.5529431	1.57 1E-10
40	12600.00	88.98	90.16	100	9435.6	3421.5	-9.6	3421.4	3421.5	90.2	0.0	0.0	9374.6	8.4	1.5529431	1.57 1E-10
41	12700.00	88.98	90.16	100	9437.4	3521.4	-9.9	3521.4	3521.4	90.2	0.0	0.0	9374.6	8.4	1.5529431	1.57 1E-10
42	12800.00	88.98	90.16	100	9439.2	3621.4	-10.2	3621.4	3621.4	90.2	0.0	0.0	9374.6	8.4	1.5529431	1.57 1E-10
43	12900.00	88.98	90.16	100	9441.0	3721.4	-10.4	3721.4	3721.4	90.2	0.0	0.0	9374.6	8.4	1.5529431	1.57 1E-10
44	13000.00	88.98	90.16	100	9442.8	3821.4	-10.7	3821.4	3821.4	90.2	0.0	0.0	9374.6	8.4	1.5529431	1.57 1E-10
45	13100.00	88.98	90.16	100	9444.6	3921.4	-11.0	3921.4	3921.4	90.2	0.0	0.0	9374.6	8.4	1.5529431	1.57 1E-10
46	13200.00	88.98	90.16	100	9446.4	4021.4	-11.3	4021.3	4021.4	90.2	0.0	0.0	9374.6	8.4	1.5529431	1.57 1E-10
47	13300.00	88.98	90.16	100	9448.1	4121.3	-11.6	4121.3	4121.3	90.2	0.0	0.0	9374.6	8.4	1.5529431	1.57 1E-10
48	13400.00	88.98	90.16	100	9449.9	4221.3	-11.9	4221.3	4221.3	90.2	0.0	0.0	9374.6	8.4	1.5529431	1.57 1E-10
49	13500.00	88.98	90.16	100	9451.7	4321.3	-12.1	4321.3	4321.3	90.2	0.0	0.0	9374.6	8.4	1.5529431	1.57 1E-10
50	13600.00	88.98	90.16	100	9453.5	4421.3	-12.4	4421.3	4421.3	90.2	0.0	0.0	9374.6	8.4	1.5529431	1.57 1E-10
51	13700.00	88.98	90.16	100	9455.3	4521.3	-12.7	4521.3	4521.3	90.2	0.0	0.0	9374.6	8.4	1.5529431	1.57 1E-10
52	13800.00	88.98	90.16	100	9457.1	4621.3	-13.0	4621.3	4621.3	90.2	0.0	0.0	9374.6	8.4	1.5529431	1.57 1E-10
53	13900.00	88.98	90.16	100	9458.8	4721.3	-13.3	4721.2	4721.3	90.2	0.0	0.0	9374.6	8.4	1.5529431	1.57 1E-10
54	14000.00	88.98	90.16	100	9460.6	4821.2	-13.5	4821.2	4821.2	90.2	0.0	0.0	9374.6	8.4	1.5529431	1.57 1E-10
55	14100.00	88.98	90.16	100	9462.4	4921.2	-13.8	4921.2	4921.2	90.2	0.0	0.0	9374.6	8.4	1.5529431	1.57 1E-10
56	14200.00	88.98	90.16	100	9464.2	5021.2	-14.1	5021.2	5021.2	90.2	0.0	0.0	9374.6	8.4	1.5529431	1.57 1E-10

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Exhibit B-6



57	14300.00	88.98	90.16	100	9466.0	5121.2	-14.4	5121.2	5121.2	90.2	0.0	0.0	9374.6	8.4	1.5529431	1.57	1E-10
58	14400.00	88.98	90.16	100	9467.8	5221.2	-14.7	5221.2	5221.2	90.2	0.0	0.0	9374.6	8.4	1.5529431	1.57	1E-10
59	14500.00	88.98	90.16	100	9469.6	5321.2	-14.9	5321.1	5321.2	90.2	0.0	0.0	9374.6	8.4	1.5529431	1.57	1E-10
60	14600.00	88.98	90.16	100	9471.3	5421.1	-15.2	5421.1	5421.1	90.2	0.0	0.0	9374.6	8.4	1.5529431	1.57	1E-10
61	14700.00	88.98	90.16	100	9473.1	5521.1	-15.5	5521.1	5521.1	90.2	0.0	0.0	9374.6	8.4	1.5529431	1.57	1E-10
62	14800.00	88.98	90.16	100	9474.9	5621.1	-15.8	5621.1	5621.1	90.2	0.0	0.0	9374.6	8.4	1.5529431	1.57	1E-10
63	14900.00	88.98	90.16	100	9476.7	5721.1	-16.1	5721.1	5721.1	90.2	0.0	0.0	9374.6	8.4	1.5529431	1.57	1E-10
64	15000.00	88.98	90.16	100	9478.5	5821.1	-16.3	5821.1	5821.1	90.2	0.0	0.0	9374.6	8.4	1.5529431	1.57	1E-10
65	15100.00	88.98	90.16	100	9480.3	5921.1	-16.6	5921.0	5921.1	90.2	0.0	0.0	9374.6	8.4	1.5529431	1.57	1E-10
66	15200.00	88.98	90.16	100	9482.1	6021.0	-16.9	6021.0	6021.0	90.2	0.0	0.0	9374.6	8.4	1.5529431	1.57	1E-10
67	15300.00	88.98	90.16	100	9483.8	6121.0	-17.2	6121.0	6121.0	90.2	0.0	0.0	9374.6	8.4	1.5529431	1.57	1E-10
68	15400.00	88.98	90.16	100	9485.6	6221.0	-17.5	6221.0	6221.0	90.2	0.0	0.0	9374.6	8.4	1.5529431	1.57	1E-10
69	15500.00	88.98	90.16	100	9487.4	6321.0	-17.7	6321.0	6321.0	90.2	0.0	0.0	9374.6	8.4	1.5529431	1.57	1E-10
70	15600.00	88.98	90.16	100	9489.2	6421.0	-18.0	6421.0	6421.0	90.2	0.0	0.0	9374.6	8.4	1.5529431	1.57	1E-10
71	15700.00	88.98	90.16	100	9491.0	6521.0	-18.3	6520.9	6521.0	90.2	0.0	0.0	9374.6	8.4	1.5529431	1.57	1E-10
72	15800.00	88.98	90.16	100	9492.8	6620.9	-18.6	6620.9	6620.9	90.2	0.0	0.0	9374.6	8.4	1.5529431	1.57	1E-10
73	15900.00	88.98	90.16	100	9494.6	6720.9	-18.9	6720.9	6720.9	90.2	0.0	0.0	9374.6	8.4	1.5529431	1.57	1E-10
74	16000.00	88.98	90.16	100	9496.3	6820.9	-19.2	6820.9	6820.9	90.2	0.0	0.0	9374.6	8.4	1.5529431	1.57	1E-10
75	16100.00	88.98	90.16	100	9498.1	6920.9	-19.4	6920.9	6920.9	90.2	0.0	0.0	9374.6	8.4	1.5529431	1.57	1E-10
76	16200.00	88.98	90.16	100	9499.9	7020.9	-19.7	7020.9	7020.9	90.2	0.0	0.0	9374.6	8.4	1.5529431	1.57	1E-10
77	16300.00	88.98	90.16	100	9501.7	7120.9	-20.0	7120.8	7120.9	90.2	0.0	0.0	9374.6	8.4	1.5529431	1.57	1E-10
78	16400.00	88.98	90.16	100	9503.5	7220.9	-20.3	7220.8	7220.9	90.2	0.0	0.0	9374.6	8.4	1.5529431	1.57	1E-10
79	16500.00	88.98	90.16	100	9505.3	7320.8	-20.6	7320.8	7320.8	90.2	0.0	0.0	9374.6	8.4	1.5529431	1.57	1E-10
80	16600.00	88.98	90.16	100	9507.1	7420.8	-20.8	7420.8	7420.8	90.2	0.0	0.0	9374.6	8.4	1.5529431	1.57	1E-10
81	16700.00	88.98	90.16	100	9508.8	7520.8	-21.1	7520.8	7520.8	90.2	0.0	0.0	9374.6	8.4	1.5529431	1.57	1E-10
82	16800.00	88.98	90.16	100	9510.6	7620.8	-21.4	7620.8	7620.8	90.2	0.0	0.0	9374.6	8.4	1.5529431	1.57	1E-10