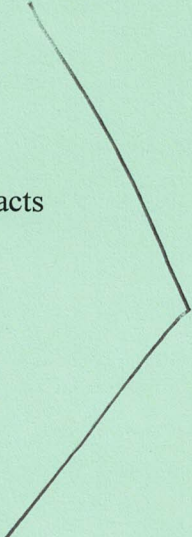


CASE NO. 23708


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

EXHIBIT LIST

1. Pooling Checklist
2. Landman's Affidavit  
Exhibit 2-A: C-102s  
Exhibit 2-B: Plats and Interest Ownership  
Exhibit 2-C: Proposal Letter and Summary of Contacts  
Exhibit 2-D: AFEs  
Exhibit 2-E: OXY Lease
3. Geologist's Affidavit  
Exhibit 3-A: Structure map  
Exhibit 2-B: Cross-Section  
Exhibit 3-C: Production Table  
Exhibit 3-D: Horizontal Survey Calculations
4. Engineer's Affidavit  
Exhibit 4-A: Tansill Fee. Well No. 1 APD  
Exhibit 4-B: Tansill Fee. Well No. 2 APD  
Exhibit 4-C: Production Table  
Exhibit 4-D: Production Plot  
Exhibit 4-E: Production Comparison
5. Affidavit of Mailing  
Exhibit 5-A: Notice Letter  
Exhibit 5-B: Second Notice Letter
6. Certified Notice Spreadsheet
7. Affidavit of Publication
8. Application and Proposed Notice



Part I

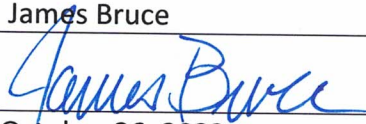


Part II

<b>COMPULSORY POOLING APPLICATION CHECKLIST</b>	
<b>ALL INFORMATION IN THE APPLICATION MUST BE SUPPORTED BY SIGNED AFFIDAVITS</b>	
<b>Case: 23708</b>	<b>APPLICANT'S RESPONSE</b>
<b>Date: November 2, 2023</b>	
Applicant	<b>Mewbourne Oil Company</b>
Designated Operator & OGRID (affiliation if applicable)	<b>Mewbourne Oil Company/OGRID 14744</b>
Applicant's Counsel:	James Bruce
Case Title:	Application of Mewbourne Oil Company for Compulsory Pooling, Eddy County, New Mexico
Entries of Appearance/Intervenors:	
Well Family	Sandlot Wolfcamp wells
<b>Formation/Pool</b>	
Formation Name(s) or Vertical Extent:	Wolfcamp
Primary Product (Oil or Gas):	Gas
Pooling this vertical extent:	Entire Wolfcamp formation
Pool Name and Pool Code:	Purple Sage; Wolfcamp/Pool Code 98220
Well Location Setback Rules:	Statewide Rules and Purple Sage Special Rules
<b>Spacing Unit</b>	
Type (Horizontal/Vertical)	Horizontal
Size (Acres)	640 acres
Building Blocks:	320 acres
Orientation:	East-West
Description: TRS/County	N/2 §9 and N/2 §8, Township 22 South, Range 27 East, NMPM, Eddy County
Standard Horizontal Well Spacing Unit (Y/N), If No, describe and is approval of non-standard unit requested in this application?	Yes  <div style="border: 1px solid black; padding: 10px; display: inline-block;">EXHIBIT  </div>
<b>Other Situations</b>	
Depth Severance: Y/N. If yes, description	N
Proximity Tracts: If yes, description	N

Proximity Defining Well: if yes, description	
Applicant's Ownership in Each Tract	Exhibit 2-B
<b>Well(s)</b>	
Name & API (if assigned), surface and bottom hole location, footages, completion target, orientation, completion status (standard or non-standard)	Add wells as needed
Well #1	Sandlot 9/8 Fee Well No. 711H f/k/a Sandlot 9/8 WOAD Fee Well No. 1H API No. 30-015-48080 SHL: 1900 FNL & 205 FWL §10-22S-27E BHL: 660 FNL & 330 FWL §8 FTP: 660 FNL & 330 FEL §9 LTP: 660 FNL & 330 FWL §8 Wolfcamp/TVD 8760 feet/MD 19115 feet
Well #2	Sandlot 9/8 Fee Well No. 713H f/k/a Sandlot 9/8 WOHE Fee Well No. 1H API No. 30-015-48079 SHL: 1930 FNL & 205 FWL §10-22S-27E BHL: 1980 FNL & 330 FWL §8 FTP: 1980 FNL & 330 FEL §9 LTP: 1980 FNL & 330 FWL §8 Wolfcamp/TVD 8760 feet/MD 19115 feet
Horizontal Well First and Last Take Points	See above
Completion Target (Formation, TVD and MD)	See above
<b>AFE Capex and Operating Costs</b>	
Drilling Supervision/Month \$	\$10000
Production Supervision/Month \$	\$1000
Justification for Supervision Costs	Exhibit 2, page 2
Requested Risk Charge	Cost plus 200%
<b>Notice of Hearing</b>	
Proposed Notice of Hearing	Exhibit 8
Proof of Mailed Notice of Hearing (20 days before hearing)	Exhibit 5
Proof of Published Notice of Hearing (10 days before hearing)	N/A

<b>Ownership Determination</b>	
Land Ownership Schematic of the Spacing Unit	Exhibit 2-B
Tract List (including lease numbers and owners)	Exhibit 2-B
If approval of Non-Standard Spacing Unit is requested, Tract List (including lease numbers and owners) of Tracts subject to notice requirements.	
Pooled Parties (including ownership type)	Exhibit 2-B; Working Interest Owners
Unlocatable Parties to be Pooled	Yes
Ownership Depth Severance (including percentage above & below)	No Depth Severance
<b>Joinder</b>	
Sample Copy of Proposal Letter	Exhibit 2-C
List of Interest Owners (i.e. Exhibit A of JOA)	Exhibit 2-B
Chronology of Contact with Non-Joined Working Interests	Exhibit 2-C
Overhead Rates In Proposal Letter	
Cost Estimate to Drill and Complete	Exhibit 2-D
Cost Estimate to Equip Well	Exhibit 2-D
Cost Estimate for Production Facilities	Exhibit 2-D
<b>Geology</b>	
Summary (including special considerations)	Exhibit 3
Spacing Unit Schematic	Exhibits 2-A and 3-A
Gunbarrel/Lateral Trajectory Schematic	Exhibits 3-B and 3-C
Well Orientation (with rationale)	East-West; Exhibits 3, 3-A, and 3-C
Target Formation	Wolfcamp
HSU Cross Section	Exhibit 3-B
Depth Severance Discussion	N/A
<b>Forms, Figures and Tables</b>	
C-102	Exhibit 2-A

Tracts	Exhibit 2-B
Summary of Interests, Unit Recapitulation (Tracts)	Exhibits 2-B
General Location Map (including basin)	Exhibits 3-A and 3-C
Well Bore Location Map	Exhibit 2-A
Structure Contour Map - Subsea Depth	Exhibits 3-A and 3-B
Cross Section Location Map (including wells)	Exhibits 3-A and 3-B
Cross Section (including Landing Zone)	Exhibit 3-B
<b>Additional Information</b>	
Special Provisions/Stipulations	
<b>CERTIFICATION: I hereby certify that the information provided in this checklist is complete and accurate.</b>	
<b>Printed Name</b> (Attorney or Party Representative):	James Bruce
<b>Signed Name</b> (Attorney or Party Representative):	
<b>Date:</b>	October 26, 2023

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

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

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

**Case No. 23708**

**VERIFIED STATEMENT OF CARSON CULLEN**

Carson Cullen being duly sworn upon his oath, deposes and states:

1. I am a landman for Mewbourne Oil Company (“Mewbourne”), and have personal knowledge of the matters stated herein. I have been qualified by the Division as an expert petroleum landman.
2. The following information is submitted in support of the compulsory pooling application filed herein:
  - (a) The purpose of this application is to force pool working interest and mineral owners into the Wolfcamp horizontal spacing unit described below, and in wells to be drilled in the unit.
  - (b) The interest owners being pooled have been contacted regarding the proposed wells but have simply refused to voluntarily commit their interests to the wells. Some interest owners are or may be unlocatable.
  - (c) C-102s outlining the unit being pooled are attached hereto as Exhibit 2-A. Mewbourne seeks an order approving a 640-acre horizontal spacing unit in the Wolfcamp formation comprised of the N/2 of Section 9 and the N/2 of Section 8, Township 22 South, Range 27 East, NMPM. Mewbourne further seeks the pooling of all mineral interest owners in the Wolfcamp formation underlying the unit. The unit will be dedicated to the Sandlot 9/8 Fee #711H and Sandlot 9/8 Fee #713H. The referenced wells are horizontal wells.
  - (d) There are no depth severances in the Wolfcamp formation.
  - (e) The parties being pooled and their interests are set forth in Exhibit 2-B. Their current and correct addresses are also set forth. To find the unlocatable parties we

EXHIBIT

2

examined county and government records, and also conducted internet searches including google and drillinginfo.

(f) Exhibit 2-C contains a summary of contacts with the interest owners, together with a sample copy of the proposal letters sent to them. In addition, I have had multiple phone calls and e-mails with the interest owners.

(g) Mewbourne has made a good faith effort to locate or obtain the voluntary joinder of the working interest and mineral owners in the proposed wells.

(h) Exhibit 2-D contains the Authorization for Expenditure for each proposed well. The estimated cost of the wells set forth therein are fair and reasonable, and are comparable to the costs of other wells of similar depth and length drilled in this area of Eddy County.

(o) Mewbourne requests overhead and administrative rates of \$10000/month for a drilling well and \$1000/month for a producing well. These rates are fair, and comparable to the rates charged by other operators for wells of this type in this portion of Eddy County. They are also the rates set forth in the Joint Operating Agreement for the well unit. Mewbourne requests that these rates be adjusted periodically as provided in the COPAS Accounting Procedure.

(j) Mewbourne requests that the maximum cost plus 200% risk charge be assessed against non-consenting working interest owners.

(k) Applicant requests that it be designated operator of the wells.

(l) American Energy Resources, LLC ("American") claims a working interest in the well unit. Mewbourne's title work shows that American only owns a royalty interest under the oil and gas lease submitted as Exhibit 2-E. That lease is now owned by OXY USA Inc. ("OXY"). OXY has informed Mewbourne that the lease has been kept in effect by production and by payment of shut-in royalties. Because American owns no working interest, it has no right file APDs.

(m) Magnum Hunter Production asserts that a term assignment of its interest has expired. Just looking at the date on the term assignment may support that claim, this acreage is within one mile of the Carlsbad Brine Well. In July 2021 the Division issued a drilling and completion moratorium for this area, which means the term assignment was subject to *force majeure*. Mewbourne (and other operators) have been affected by this moratorium, and Mewbourne has still not received approval from the Division to commence the subject wells. Thus Mewbourne's opinion is that the term assignment is valid.

(n) The attachments to this affidavit were prepared by me or under my supervision, or compiled from company business records.

(o) The granting of this application is in the interests of conservation and the prevention of waste.

I understand that this Self-Affirmed Statement will be used as written testimony in these cases. I affirm that my testimony in paragraphs 1 through 2(o) 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.

October 26, 2023  
Date

Carson Cullen  
Carson Cullen



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

<sup>1</sup> API Number		<sup>2</sup> Pool Code 98220		<sup>3</sup> Pool Name PURPLE SAGE; WOLFCAMP GAS	
<sup>4</sup> Property Code		<sup>5</sup> Property Name SANDLOT 9/8 WOAD FEE			<sup>6</sup> Well Number 1H
<sup>7</sup> OGRID NO. 14744		<sup>8</sup> Operator Name MEWBOURNE OIL COMPANY			<sup>9</sup> Elevation 3077'

<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
E	10	22S	27E		1900	NORTH	205	WEST	EDDY

<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
D	8	22S	27E		660	NORTH	330	WEST	EDDY

<sup>12</sup> Dedicated Acres 640	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
--------------------------------------	-------------------------------	----------------------------------	-------------------------

No allowable will be assigned to this completion until [blank] has been consolidated or a non-standard unit has been approved by the division.

EXHIBIT 2-A

**GEODETIC DATA**  
 NAD 83 GRID - NM EAST  
**SURFACE LOCATION**  
 N 512721.5 - E 587031.4  
 LAT: 32.4094519° N  
 LONG: 104.1852664° W  
**BOTTOM HOLE**  
 N 513996.3 - E 576578.6  
 LAT: 32.4129911° N  
 LONG: 104.2191330° W

**CORNER DATA**  
 NAD 83 GRID - NM EAST  
 A: FOUND 1/2" REBAR  
 N: 509295.4 - E: 576249.5  
 B: FOUND 1" PIPE  
 N: 514658.2 - E: 576248.6  
 C: FOUND 1" IRON PIPE  
 N: 514641.5 - E: 578890.0  
 D: FOUND 1" IRON PIPE  
 N: 514624.6 - E: 581530.3  
 E: CALCULATED CORNER  
 N: 514621.1 - E: 586824.9  
 F: CALCULATED CORNER  
 N: 514637.5 - E: 592113.5

**CORNER DATA**  
 NAD 83 GRID - NM EAST  
 G: FOUND 1/2" REBAR  
 N: 511996.7 - E: 592113.3  
 H: CALCULATED CORNER  
 N: 509355.7 - E: 592124.0  
 I: FOUND COTTON SPINDLE  
 N: 509339.9 - E: 589478.7  
 J: FOUND 1/2" REBAR  
 N: 509342.7 - E: 586829.2  
 K: FOUND 1/2" REBAR  
 N: 509327.9 - E: 584195.2  
 L: FOUND 1/2" REBAR  
 N: 509313.0 - E: 581561.0

**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, holds 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.

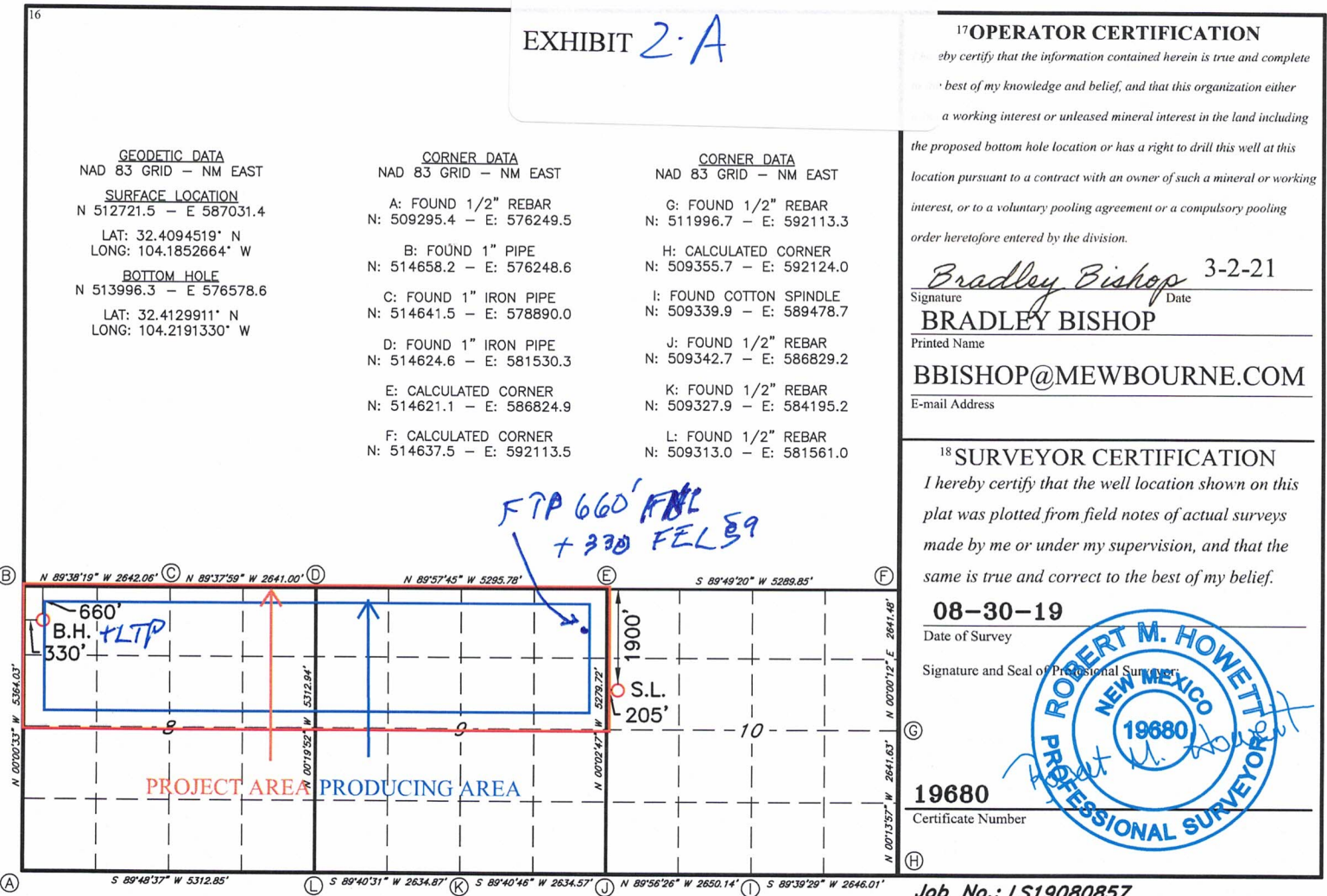
Signature: Bradley Bishop Date: 3-2-21  
 Printed Name: **BRADLEY BISHOP**  
 E-mail Address: **BBISHOP@MEWBOURNE.COM**

**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: **08-30-19**  
 Signature and Seal of Professional Surveyor: [Signature]  
 Certificate Number: **19680**



FTP 660' FNL  
 + 330' FEL 59



Job No.: LS19080857

District I  
 1625 N. French Dr., Hobbs, NM 88240  
 Phone: (575) 393-6161 Fax: (575) 393-9720  
 District II  
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State of New Mexico  
 Energy, Minerals & Natural Resources Department  
 OIL CONSERVATION DIVISION  
 1220 South St. Francis Dr.  
 Santa Fe, NM 87505

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

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number		2 Pool Code 98220		3 Pool Name PURPLE SAGE; WOLFCAMP GAS	
4 Property Code		5 Property Name SANDLOT 9/8 WOHE FEE			6 Well Number 1H
7 OGRID NO. 14744		8 Operator Name MEWBOURNE OIL COMPANY			9 Elevation 3077'

10 Surface Location

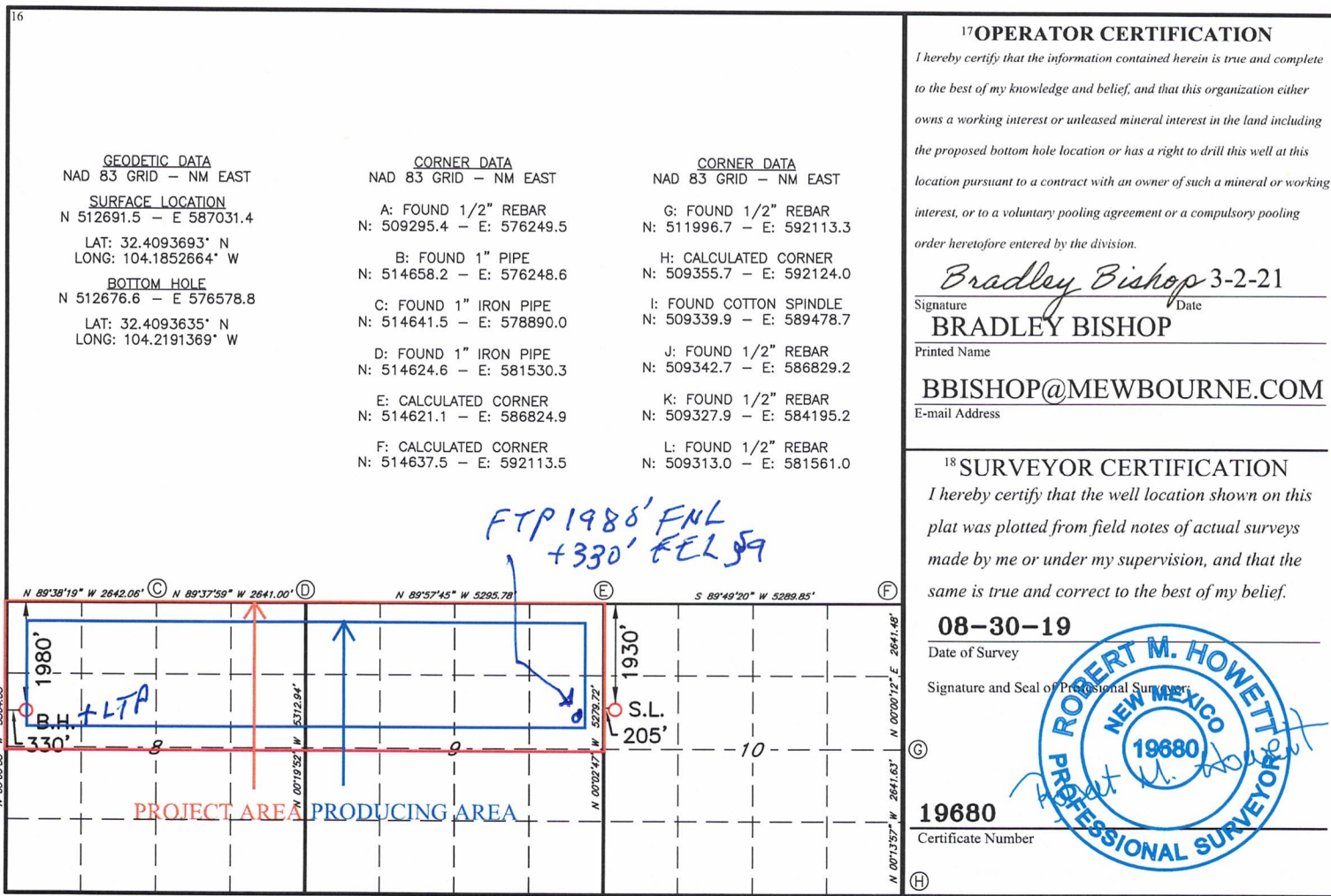
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet From the	East/West line	County
E	10	22S	27E		1930	NORTH	205	WEST	EDDY

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
E	8	22S	27E		1980	NORTH	330	WEST	EDDY

12 Dedicated Acres 640	13 Joint or Infill	14 Consolidation Code	15 Order No.
---------------------------	--------------------	-----------------------	--------------

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



**Sandlot 9/8 FEE #711H**  
**Sections 8 (N/2) & 9 (N/2), T22S, R27E**  
**EDDY COUNTY, NM**

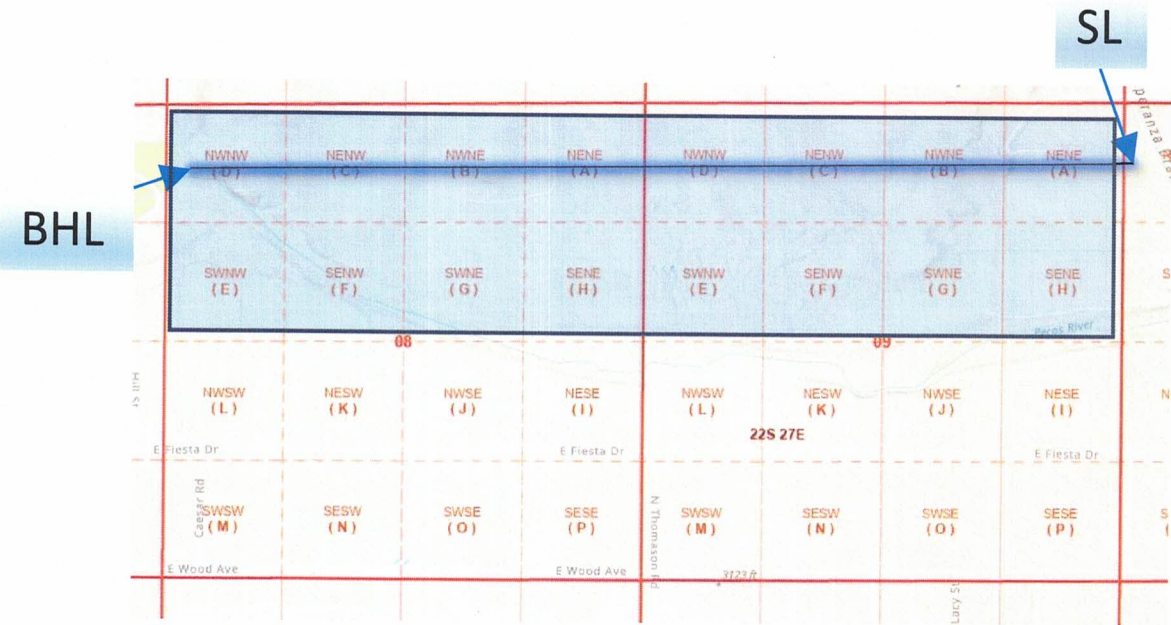


EXHIBIT 2.B

**Sandlot 9/8 FEE #713H**  
**Sections 8 (N/2) & 9 (N/2), T22S, R27E**  
**EDDY COUNTY, NM**

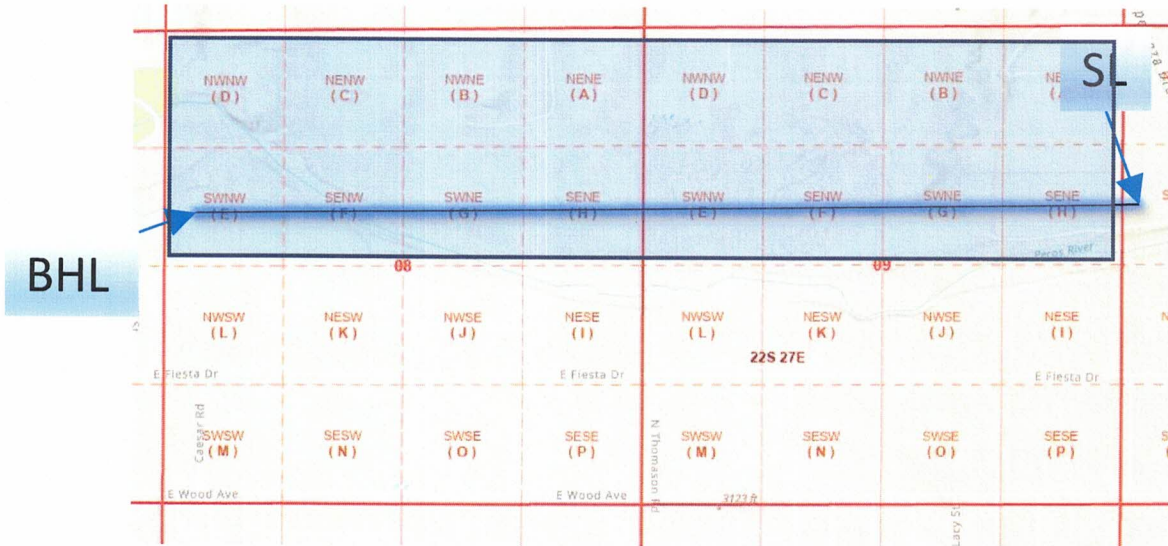


EXHIBIT A



**TRACT OWNERSHIP**  
**SANDLOT 9/8 FEE #711H**  
**SANDLOT 9/8 FEE #713H**  
**SANDLOT 9/8 FEE #718H**  
**SANDLOT 9/8 FEE #716H**  
**ALL of Sections 9 & 8, T22S, R27E**  
**EDDY COUNTY, NM**

**ALL of Sections 9 & 8, T22S, R27E:**  
**WOLFCAMP formation:**

% Leasehold Interest

Mewbourne Oil Company, et al 500 West Texas, Ste. 1020 Midland, Texas 79701	63.908297%
Aplomado Management LLC 3319 Longfield Circle Houston, Texas 77063	Part of 36.091703%
Bennett Oil and Gas PO Box 264 Midland, Texas 79702	Part of 36.091703%
COG Operating, LLC 600 West Illinois Avenue Midland, Texas 79701	Part of 36.091703%
Concho Oil & Gas, LLC 600 West Illinois Avenue Midland, Texas 79701	Part of 36.091703%
David J. Sorenson PO Box 1453 Roswell, New Mexico 88202	Part of 36.091703%
EOG Resources Inc. 5509 Champions Drive Midland, Texas 79706	Part of 36.091703%
Featherstone Development Corporation PO Box 429 Roswell, New Mexico 88202	Part of 36.091703%
Joann Sivley Ruppert Trust PO Box 550 Tesuque, New Mexico 87574	Part of 36.091703%
The Karen Roberts Special Needs Trust 2509 Aspen Street Longview, Texas 75605	Part of 36.091703%
Mary Carol Green, Trustee Lanita C. Williamson Family Living Trust 5910 N. Central Expressway, Suite 1662 Dallas, Texas 75206	Part of 36.091703%

Magnum Hunter Production, Inc. 600 N. Marienfeld Street, Suite 600 Midland, Texas 79701	Part of 36.091703%
Marathon Oil Company 990 Town & Country Blvd. Houston, Texas 77024	Part of 36.091703%
OXY USA Inc. 5 Greenway Plaza, Suite 110 Houston, Texas 77046	Part of 36.091703%
Pozo Rico Partners, LTD PO Box 2258 Cleburne, Texas 76033	Part of 36.091703%
Red Bird Ventures, Inc. 15814 Champion Forest Drive, PMB 250 Spring, Texas 77379	Part of 36.091703%
Ruth D. Roberts 5304 Scout Island Circle Austin, Texas 78731	Part of 36.091703%
Sharbro Energy LLC PO Box 840 Artesia, New Mexico 88211	Part of 36.091703%
Thomas Ray Sivley Trust PO Box 830308 Dallas, Texas 75283	Part of 36.091703%
Wadi Petroleum, Inc 13231 Champion Forest Drive, Suite 401 Houston, Texas 77069	Part of 36.091703%
Warwick-Ares LLC 6608 N. Western Avenue, Box 417 Oklahoma City, Oklahoma 73116	Part of 36.091703%
Wesley Keith Roberts 418 Forest Hills Drive League City, Texas 77573	Part of 36.091703%
Williamson Enterprises PO Box 32570 Santa Fe, New Mexico 87594	Part of 36.091703%

**\* Total interest being pooled: 36.091703%**

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# MEWBOURNE OIL COMPANY

500 West Texas, Suite 1020

Midland, Texas 79701

Phone (432) 682-3715

Fax (432) 685-4170

April 27, 2023

Via: Certified Mail

Bennett Oil and Gas  
PO Box 264  
Midland, Texas 79702

Re: Proposed Unit for Horizontal Wolfcamp Wells  
Sandlot 9/8 W0PM Fee #1H  
Sandlot 9/8 W0IL Fee #1H  
Sandlot 9/8 W0HE Fee #1H  
Sandlot 9/8 W0AD Fee #1H  
Section 9, T22S-R27E  
Section 8, T22S-R27E  
Eddy County, New Mexico

Dear Ladies and Gentlemen:

Mewbourne Oil Company ("Mewbourne") as Operator hereby proposes to form a 1280.00 acre Working Interest Unit ("WIU") covering the above captioned acreage for oil and gas production. The targeted interval for the proposed unit is the Wolfcamp formation. Mewbourne hereby proposes to drill and operate the following horizontal Wolfcamp wells:

1. Sandlot 9/8 W0PM Fee #1H located at a surface location 1135' FSL & 365' FWL of Section 10, with a bottom hole location 660' FSL & 330' FWL of Section 8. We anticipate drilling to an approximate total vertical depth of 8,774' and plan to continue drilling horizontally to the west to the proposed bottom hole location at an approximate total measured depth of 19,291'.
2. Sandlot 9/8 W0IL Fee #1H located at a surface location 1,165' FSL & 365' FWL of Section 10, with a bottom hole location 1,980' FSL & 330' FWL of Section 8. We anticipate drilling to an approximate total vertical depth of 8,774' and plan to continue drilling horizontally to the west to the proposed bottom hole location at an approximate total measured depth of 19,306'.
3. Sandlot 9/8 W0HE Fee #1H located at a surface location 1,930' FNL & 205' FWL of Section 10, with a bottom hole location 1,980' FNL & 330' FWL of Section 8. We anticipate drilling to an approximate total vertical depth of 8,770' and plan to continue drilling horizontally to the west to the proposed bottom hole location at an approximate total measured depth of 19,057'.
4. Sandlot 9/8 W0AD Fee #1H located at a surface location 1,900' FNL & 205' FWL of Section 10, with a bottom hole location 660' FNL & 330' FWL of Section 8. We anticipate drilling to an approximate total vertical depth of 8,760' and plan to continue drilling horizontally to the west to the proposed bottom hole location at an approximate total measured depth of 19,115'.

EXHIBIT 2-C

Regarding the above, enclosed for your further handling and information are copies of our Authorization For Expenditure ("AFE") for the above wells.

Please indicate your participation election by having each AFE executed and returned to my attention at the above address within thirty (30) days of receipt hereof. Our proposed Operating Agreement to follow.

Feel free to contact me at (432) 682-3715 or via email at [ccullen@mewbourne.com](mailto:ccullen@mewbourne.com) if you have any questions or concerns. I look forward to hearing from you.

Sincerely,

**MEWBOURNE OIL COMPANY**



Carson Cullen  
Landman



Exhibit D

**Summary of Communications**

**Sandlot 9-8 Fee #711**

**Sandlot 9-8 Fee #713**

**Sandlot 9-8 Fee #716**

**Sandlot 9-8 Fee #718**

1. Aplomado Management LLC

April 27<sup>th</sup>, 2023 – Well proposal and AFE delivered via certified mail.

2. Bennett Oil and Gas

April 27<sup>th</sup>, 2023 – Well proposal and AFE delivered via certified mail.

3. COG Operating, LLC

April 27<sup>th</sup>, 2023 – Well proposal and AFE delivered via certified mail.

4. Concho Oil & Gas, LLC

April 27<sup>th</sup>, 2023 – Well proposal and AFE delivered via certified mail.

5. David J. Sorenson

April 27<sup>th</sup>, 2023 – Well proposal and AFE delivered via certified mail.

6. EOG Resources Inc.

April 27<sup>th</sup>, 2023 – Well proposal and AFE delivered via certified mail.

7. Featherstone Development Corporation

April 27<sup>th</sup>, 2023 – Well proposal and AFE delivered via certified mail.

8. Joann Sivley Ruppert Trust

April 27<sup>th</sup>, 2023 – Well proposal and AFE delivered via certified mail.

Exhibit D

18. Thomas Ray Sivley Trust

April 27<sup>th</sup>, 2023 – Well proposal and AFE delivered via certified mail.

19. Wadi Petroleum, Inc

April 27<sup>th</sup>, 2023 – Well proposal and AFE delivered via certified mail.

20. Warwick-Ares LLC

April 27<sup>th</sup>, 2023 – Well proposal and AFE delivered via certified mail.

21. Wesley Keith Roberts

April 27<sup>th</sup>, 2023 – Well proposal and AFE delivered via certified mail.

22. Williamson Enterprises

April 27<sup>th</sup>, 2023 – Well proposal and AFE delivered via certified mail.

Exhibit D

9. The Karen Roberts Special Needs Trust

April 27<sup>th</sup>, 2023 – Well proposal and AFE delivered via certified mail.

10. Mary Carol Green, Trustee

April 27<sup>th</sup>, 2023 – Well proposal and AFE delivered via certified mail.

11. Magnum Hunter Production, Inc.

April 27<sup>th</sup>, 2023 – Well proposal and AFE delivered via certified mail.

12. Marathon Oil Company

April 27<sup>th</sup>, 2023 – Well proposal and AFE delivered via certified mail.

13. OXY USA Inc.

April 27<sup>th</sup>, 2023 – Well proposal and AFE delivered via certified mail.

14. Pozo Rico Partners, LTD

April 27<sup>th</sup>, 2023 – Well proposal and AFE delivered via certified mail.

15. Red Bird Ventures, Inc.

April 27<sup>th</sup>, 2023 – Well proposal and AFE delivered via certified mail.

16. Ruth D. Roberts

April 27<sup>th</sup>, 2023 – Well proposal and AFE delivered via certified mail.

17. Sharbro Energy LLC

April 27<sup>th</sup>, 2023 – Well proposal and AFE delivered via certified mail.

**MEWBOURNE OIL COMPANY**

**AUTHORIZATION FOR EXPENDITURE**

Well Name: SANDLOT 9/8 FEE #711H Prospect: SANDLOT  
 Location: SL: 1900 FNL & 205 FWL (10); BHL: 660 FNL & 330 FWL (8) County: EDDY ST: NM  
 Sec. 10 Blk: Survey: TWP: 22S RNG: 27E Prop. TVD: 8760 TMD: 19115

INTANGIBLE COSTS 0180		CODE	TCP	CODE	CC
Regulatory Permits & Surveys		0180-0100	\$10,000	0180-0200	
Location / Road / Site / Preparation		0180-0105	\$75,000	0180-0205	\$50,000
Location / Restoration		0180-0106	\$200,000	0180-0206	\$20,000
Daywork / Turnkey / Footage Drilling	20 days drlg / 3 days comp @ \$30,000/d	0180-0110	\$640,800	0180-0210	\$96,100
Fuel	1700 gal/day @ \$3.90/gal	0180-0114	\$141,600	0180-0214	\$353,400
Alternate Fuels		0180-0115		0180-0215	\$120,000
Mud, Chemical & Additives		0180-0120	\$40,000	0180-0220	
Mud - Specialized		0180-0121	\$220,000	0180-0221	
Horizontal Drillout Services				0180-0222	\$240,000
Stimulation Toe Preparation				0180-0223	\$40,000
Cementing		0180-0125	\$145,000	0180-0225	\$55,000
Logging & Wireline Services		0180-0130	\$2,500	0180-0230	\$444,600
Casing / Tubing / Snubbing Service		0180-0134	\$30,000	0180-0234	\$15,000
Mud Logging		0180-0137	\$35,000		
Stimulation	61 Stg 25.3 MMgal & 25.3 MMlbs			0180-0241	\$3,450,000
Stimulation Rentals & Other				0180-0242	\$320,000
Water & Other		0180-0145	\$35,000	0180-0245	\$514,700
Bits		0180-0148	\$86,000	0180-0248	\$5,000
Inspection & Repair Services		0180-0150	\$50,000	0180-0250	\$5,000
Misc. Air & Pumping Services		0180-0154		0180-0254	\$10,000
Testing & Flowback Services		0180-0158	\$12,000	0180-0258	\$24,000
Completion / Workover Rig				0180-0260	\$10,500
Rig Mobilization		0180-0164	\$150,000		
Transportation		0180-0165	\$30,000	0180-0265	\$20,000
Welding, Construction, & Maint. Services		0180-0168	\$4,000	0180-0268	\$15,000
Contract Services & Supervision		0180-0170	\$147,400	0180-0270	\$70,500
Directional Services	Includes vertical control	0180-0175	\$308,700		
Equipment Rental		0180-0180	\$151,400	0180-0280	\$21,600
Well / Lease Legal		0180-0184	\$5,000	0180-0284	
Well / Lease Insurance		0180-0185	\$5,000	0180-0285	
Intangible Supplies		0180-0188	\$8,000	0180-0288	\$1,000
Damages		0180-0190	\$80,000	0180-0290	\$10,000
Pipeline Interconnect & ROW Easements		0180-0192		0180-0292	\$5,000
Company Supervision		0180-0195	\$90,000	0180-0295	\$39,600
Overhead Fixed Rate		0180-0196	\$10,000	0180-0296	\$20,000
Contingencies	5% (TCP) 5% (CC)	0180-0199	\$135,600	0180-0299	\$298,800
<b>TOTAL</b>			<b>\$2,848,000</b>		<b>\$6,274,800</b>

TANGIBLE COSTS 0181		CODE	TCP	CODE	CC
Casing (19.1" - 30")		0181-0793			
Casing (10.1" - 19.0")	410' - 13 3/8" 54.5# J-55 ST&C @ \$76.30/ft	0181-0794	\$33,400		
Casing (8.1" - 10.0")	1890' - 9 5/8" 40# HCL80 LT&C @ \$60.83/ft	0181-0795	\$122,800		
Casing (6.1" - 8.0")	8995' - 7" 29# HPP110 BT&C @ \$59.83/ft	0181-0796	\$574,800		
Casing (4.1" - 6.0")	10250' - 4 1/2" 13.5# HCP-110 CDC-HTQ @ \$33.47/ft			0181-0797	\$366,400
Tubing	8270' - 2 7/8" 6.5# L-80 IPC Tbg @ \$17.00/ft			0181-0798	\$150,200
Drilling Head		0181-0860	\$35,000		
Tubing Head & Upper Section				0181-0870	\$30,000
Horizontal Completion Tools				0181-0871	\$50,000
Subsurface Equip. & Artificial Lift				0181-0880	\$25,000
Pumping Unit Systems				0181-0885	
Service Pumps	(1/4) TP/CP/circ. pump			0181-0886	\$8,000
Storage Tanks	(1/4) 6 - 750 bbl/5 - 750 bbl coated/1 - GB			0181-0890	\$130,000
Emissions Control Equipment	(1/4) 3 - VRT/VRU/Fiare/3 - KO/AIR			0181-0892	\$92,400
Separation / Treating Equipment	(1/4) 2 - Hz. Sep./Vt. Sep./Hz. HT/Vt. HT			0181-0895	\$82,700
Automation / Metering Equipment	Automation/fiber/meters			0181-0898	\$52,500
Line Pipe & Valves - Gathering	(1/4) Facility Work + GL Injection			0181-0900	\$24,000
Fittings / Valves & Accessories	Flowline/parts			0181-0906	\$176,200
Cathodic Protection				0181-0908	
Electrical Installation				0181-0909	\$91,400
Equipment Installation				0181-0910	\$56,600
Pipeline Construction	Facility gas work & GL injection			0181-0920	\$16,600
<b>TOTAL</b>			<b>\$766,000</b>		<b>\$1,352,000</b>
<b>SUBTOTAL</b>			<b>\$3,614,000</b>		<b>\$7,626,800</b>

**TOTAL WELL COST \$11,240,800**

Extra Expense Insurance

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

I elect to purchase my own well control insurance policy.

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

Prepared by: H. Buckley Date: 04/13/2023

Company Approval: \_\_\_\_\_ Date: \_\_\_\_\_

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

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

EXHIBIT 2-D

**MEWBOURNE OIL COMPANY**  
AUTHORIZATION FOR EXPENDITURE

Well Name: SANDLOT 9/8 FEE #713H		Prospect: SANDLOT	
Location: SL: 1930 FNL & 205 FWL (10); BHL: 1980 FNL & 330 FWL (8)		County: EDDY	
Sec. 10	Blk:	Survey:	TWP: 22S
			RNG: 27E Prop. TVD: 8770 TMD: 19057

INTANGIBLE COSTS 0180		CODE	TCP	CODE	CC
Regulatory Permits & Surveys		0180-0100	\$10,000	0180-0200	
Location / Road / Site / Preparation		0180-0105	\$75,000	0180-0205	\$50,000
Location / Restoration		0180-0106	\$200,000	0180-0206	\$20,000
Daywork / Turnkey / Footage Drilling	20 days drlg / 3 days comp @ \$30,000/d	0180-0110	\$640,800	0180-0210	\$96,100
Fuel	1700 gal/day @ \$3.90/gal	0180-0114	\$141,600	0180-0214	\$353,400
Alternate Fuels		0180-0115		0180-0215	\$120,000
Mud, Chemical & Additives		0180-0120	\$40,000	0180-0220	
Mud - Specialized		0180-0121	\$220,000	0180-0221	
Horizontal Drillout Services				0180-0222	\$240,000
Stimulation Toe Preparation				0180-0223	\$40,000
Cementing		0180-0125	\$145,000	0180-0225	\$55,000
Logging & Wireline Services		0180-0130	\$2,500	0180-0230	\$444,600
Casing / Tubing / Snubbing Service		0180-0134	\$30,000	0180-0234	\$15,000
Mud Logging		0180-0137	\$35,000		
Stimulation	61 Stg 25.3 MMgal & 25.3 MMlbs			0180-0241	\$3,450,000
Stimulation Rentals & Other				0180-0242	\$320,000
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Bits		0180-0148	\$86,000	0180-0248	\$5,000
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Damages		0180-0190	\$80,000	0180-0290	\$10,000
Pipeline Interconnect & ROW Easements		0180-0192		0180-0292	\$5,000
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Contingencies	5% (TCP) 5% (CC)	0180-0199	\$135,600	0180-0299	\$298,800
<b>TOTAL</b>			<b>\$2,848,000</b>		<b>\$6,274,800</b>

TANGIBLE COSTS 0181		CODE	TCP	CODE	CC
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Casing (8.1" - 10.0")	1890' - 9 5/8" 40# HCL80 LT&C @ \$60.83/ft	0181-0795	\$122,800		
Casing (6.1" - 8.0")	9005' - 7" 29# HPP110 BT&C @ \$59.83/ft	0181-0796	\$575,400		
Casing (4.1" - 6.0")	10250' - 4 1/2" 13.5# HCP-110 CDC-HTQ @ \$33.47/ft			0181-0797	\$366,400
Tubing	8280' - 2 7/8" 6.5# L-80 IPC Tbg @ \$17.00/ft			0181-0798	\$150,300
Drilling Head		0181-0860	\$35,000		
Tubing Head & Upper Section				0181-0870	\$30,000
Horizontal Completion Tools				0181-0871	\$50,000
Subsurface Equip. & Artificial Lift				0181-0880	\$25,000
Pumping Unit Systems				0181-0885	
Service Pumps	(1/4) TP/CP/circ. pump			0181-0886	\$8,000
Storage Tanks	(1/4) 6 - 750 bbl/5 - 750 bbl coated/1 - GB			0181-0890	\$130,000
Emissions Control Equipment	(1/4) 3 - VRT/VRU/Flare/3 - KO/AIR			0181-0892	\$92,400
Separation / Treating Equipment	(1/4) 2 - Hz. Sep./Vt. Sep/Hz. HT/Vt. HT			0181-0895	\$82,700
Automation / Metering Equipment	Automation/fiber/meters			0181-0898	\$52,500
Line Pipe & Valves - Gathering	(1/4) Facility Work + GL Injection			0181-0900	\$24,000
Fittings / Valves & Accessories	Flowline/parts			0181-0906	\$176,200
Cathodic Protection				0181-0908	
Electrical Installation				0181-0909	\$91,400
Equipment Installation				0181-0910	\$56,600
Pipeline Construction	Facility gas work & GL injection			0181-0920	\$16,600
<b>TOTAL</b>			<b>\$766,600</b>		<b>\$1,352,100</b>
<b>SUBTOTAL</b>			<b>\$3,614,600</b>		<b>\$7,626,900</b>
<b>TOTAL WELL COST</b>					<b>\$11,241,500</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>H. Buckley</u>	Date: <u>04/13/2023</u>
Company Approval: _____	Date: _____
Joint Owner Interest: _____ Amount: _____	Signature: _____
Joint Owner Name: _____	

Recorded by:  
CURRIER Abstract Co.

OIL AND GAS LEASE

PRODUCERS OF SPECIAL 4-4  
(Paid-up)

469

Agreement Made and entered into the 22nd day of February 19 73  
by and between Helen Shaw Tansill a widow 1-07X6-3014688  
850 De Witt File 3.014688  
whose mailing address is 409 Broadview Place, Chicago, Illinois 60611 hereinafter called

Lessor (whether one or more), and Cities Service Oil Company  
Tulsa, Oklahoma 74102, hereinafter called Lessee:

WITNESSETH: That the said lessor, for and in consideration of Ten and No/100 Dollars, cash in hand paid, the receipt of which is hereby acknowledged, and of the covenants and agreements hereinafter contained on part of lessee to be paid, kept and performed, has granted, demised, leased and let and by these presents does grant, demise, lease and let unto the said lessee for the sole and only purpose of exploring by geophysical and other methods, mining and operating for oil and gas, and of laying of pipe lines, and of building tanks, power stations and structures thereon to produce, save and take care of said products, all that certain tract of land situated in the County of Eddy, State of New Mexico

described as follows, to-wit:  
Township 22 South - Range 27 East NMPH  
Section 8 - that part of the NW/4 NW/4 lying  
South and West of the Pecos River

of Section 8 Township 22S Range 27E and containing 2.93 acres, more or less.

It is agreed that this lease shall remain in force for a term of 5 years from this date, and as long thereafter as oil or gas is produced from said land by lessee, or from land pooled herewith.

In consideration of the premises the said lessee covenants and agrees:

1st. To deliver to the credit of lessor, free of cost, in the pipe line to which lessee may connect wells on said land, the equal ~~proportion~~ part 3/16 of all oil produced and saved from the leased premises.

2nd. To pay lessor for gas of whatsoever nature or kind produced and sold, or used off the premises, or used in the manufacture of any ~~products therefrom~~ products therefrom, at the market price at the well for the gas sold, used off the premises, or in the manufacture of products therefrom, provided that on gas sold at the well the royalty shall be ~~one-half~~ two-thirds of the amount realized from such sale, said payments to be made monthly. 3/16 Where gas from a well producing gas only is not sold or used, lessee may pay or tender as royalty one Dollar (\$1.00) per year per acre 3/16 acre retained hereunder, and if such payment or tender is made it will be considered that gas is being produced within the meaning of the preceding paragraph. The term "gas from a well producing gas only" shall be construed as a well capable of producing gas and/or condensate. This lease may be maintained during the primary term hereof without further payment or drilling operations. If the lessee shall commence to drill a well within the term of this lease or any extension thereof, the lessee shall have the right to drill such well to completion with reasonable expense and dispatch, and if oil or gas, or either of them, be found in paying quantities, this lease shall continue and be in force with like effect as if such well had been completed within the term of years first mentioned.

If said lessor owns a less interest in the above described land than the entire and undivided fee simple estate therein, then the royalties herein provided for shall be paid the said lessor only in the proportion which lessor's interest bears to the whole and undivided fee. Lessee shall have the right to use, free of cost, gas, oil and water produced on said land for lessor's operation thereon, except water from the wells of lessor.

When requested by lessor, lessee shall bury lessor's pipe lines below plow depth. No well shall be drilled nearer than 200 feet to the house or barn now on said premises without written consent of lessor. Lessee shall pay for damages caused by lessor's operations to growing crops on said land.

Lessee shall have the right at any time to remove all machinery and fixtures placed on said premises, including the right to draw and remove same.

If the estate of either party hereto is assigned—and the privilege of assigning in whole or in part is expressly allowed—the covenants hereto shall extend to their heirs, executors, administrators, successors or assigns, but no change in the ownership of the land, or assignments of royalties shall be binding on the lessee until after the lease has been furnished with certified copies of instruments of title designating title from lessor. In case lessee assigns this lease, in whole or in part, lessee shall be relieved of all obligations with respect to the assigned portion or portions arising subsequent to the date of assignment.

Lessee may at any time execute and deliver to lessor or place of record a release or releases covering any portion or portions of the above described premises and thereby surrender this lease as to such portion or portions and be relieved of all obligations as to the acreage surrendered. All covenants or bonded covenants of this lease shall be subject to all Federal and State Laws, Executive Orders, Rules or Regulations, and this lease shall not be terminated, in whole or in part, nor lessee held liable for damages, for failure to comply therewith, if compliance is prevented by or as such failure is the result of, any such Law, Order, Rule or Regulation.

Lessee hereby warrants and agrees to defend the title to the lands herein described, and agrees that the lessee shall have the right in any time and by subrogation to the rights of the holder thereof, and the undersigned lessor, for themselves and their heirs, successors and assigns, hereby surrender and release all right of dower and homestead in the premises described herein, in so far as said right of dower and homestead may in any way affect the purpose for which this lease is made, as recited herein.

Lessee, at its option, is hereby given the right and power to pool or combine the acreage covered by this lease or any portion thereof with other land, lease or leases in the immediate vicinity thereof, when in Lessee's judgment it is necessary or advisable to do so in order to properly develop and operate said lease premises as to promote the conservation of oil, gas or other minerals in and under and that may be produced from said premises, such pooling to be of tracts contiguous to one another and to be into a unit or units not exceeding 80 acres each in the event of an oil well, or into a unit or units not exceeding 640 acres each in the event of a gas well. Lessee shall execute in writing and record in the conveyance records of the county in which the land herein leased is situated an instrument identifying and describing the pooled acreage. The entire acreage so pooled into a tract or well shall be treated, for all purposes except the payment of royalties on production from the pooled unit, as if it were included in this lease. If production is found on the pooled acreage, it shall be treated as if production is had from this lease, whether the production from a unit so pooled only such portion of the royalty stipulated herein as the amount of his acreage placed in the unit or his royalty interest therein on an acreage basis bears to the total acreage so pooled in the particular unit involved.

The surface of the lands covered by this lease shall not be used by Lessee for drilling operations under the provisions of this lease without the prior written consent of the Lessor.

IN WITNESS WHEREOF, the undersigned execute this instrument as of the day and year first above written.  
Witnesses:  
Social Security No. 341-22-6591 Helen Shaw Tansill  
Ellen Shaw Tansill, a widow

EXHIBIT 2-E

440

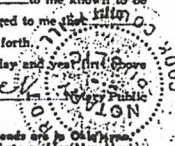
STATE OF Ill. )  
COUNTY OF Cook ) SS.

ACKNOWLEDGMENT, Applicable where lands are in Oklahoma, Kansas, Nebraska, South Dakota, North Dakota and/or New Mexico

BE IT REMEMBERED, That on this 14th day of April, A. D., 1973, before me, a Notary Public, in and for said County and State, personally appeared Ellen Shaw Mansill, a widow

to me known to be the identical person described in and who executed the within and foregoing instrument and acknowledged to me that she executed the same as her free and voluntary act and deed for the uses and purposes therein set forth.

IN WITNESS WHEREOF, I have hereunto set my official signature and affixed my notarial seal, the day and year first above written.  
My commission expires 4-18-76 M. Eckhardt Notary Public



STATE OF \_\_\_\_\_ )  
COUNTY OF \_\_\_\_\_ ) SS.

ACKNOWLEDGMENT, Applicable where lands are in Oklahoma, Kansas, Nebraska, South Dakota, North Dakota and/or New Mexico

BE IT REMEMBERED, That on this \_\_\_\_\_ day of \_\_\_\_\_, A. D., 19\_\_\_\_, before me, a Notary Public, in and for said County and State, personally appeared \_\_\_\_\_

to me known to be the identical person described in and who executed the within and foregoing instrument and acknowledged to me that she executed the same as \_\_\_\_\_ free and voluntary act and deed for the uses and purposes therein set forth.

IN WITNESS WHEREOF, I have hereunto set my official signature and affixed my notarial seal, the day and year first above written.  
My commission expires: \_\_\_\_\_ Notary Public

STATE OF \_\_\_\_\_ )  
COUNTY OF \_\_\_\_\_ ) SS.

ACKNOWLEDGMENT, Montana or Colorado

I, \_\_\_\_\_ a Notary Public, in and for said County and State, do hereby certify that personally known to me to be the person whose name \_\_\_\_\_ subscribed to the within instrument, appeared before me this day in person and acknowledged that \_\_\_\_\_ signed, sealed and delivered the said instrument of writing as \_\_\_\_\_ free and voluntary act and deed for the uses and purposes therein set forth.

WITNESS my hand and official seal this \_\_\_\_\_ day of \_\_\_\_\_, A. D., 19\_\_\_\_.  
My commission expires \_\_\_\_\_ Notary Public

No. \_\_\_\_\_ L.L. 88-5 A 88-5-1 Book (6/70)

**OIL AND GAS LEASE**

FROM \_\_\_\_\_ TO \_\_\_\_\_

Date: \_\_\_\_\_ 19\_\_\_\_  
 Loc. \_\_\_\_\_ Block \_\_\_\_\_ Addition \_\_\_\_\_  
 Section \_\_\_\_\_ Township \_\_\_\_\_ Range \_\_\_\_\_  
 County \_\_\_\_\_

No. of Acres \_\_\_\_\_  
 STATE OF New Mexico )  
 COUNTY OF Schafer ) SS.  
 This instrument was filed for record on the 11th day of April, 1973 at 11:00 o'clock A. M., and duly recorded in Book 97 Page 439 of the Mic. records of this office.  
 By Mary Mansill County Clerk - Register of Deeds  
 Deputy  
 Her n. to \_\_\_\_\_

RETURN TO  
 CITIS SERVICE OIL COMPANY  
 LAND DEPT.  
 TULSA, OKLAHOMA 74102  
 5299

STATE OF \_\_\_\_\_ )  
COUNTY OF \_\_\_\_\_ ) SS.

ACKNOWLEDGMENT, CORPORATION

Before me, the undersigned, a Notary Public, in and for said County and State, on this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_, personally appeared \_\_\_\_\_

to me known to be the identical person who subscribed the name of the maker thereof to the foregoing instrument as its \_\_\_\_\_ and acknowledged to me that he executed the same as his free and voluntary act and deed and as the free and voluntary act and deed of such corporation, for the uses and purposes therein set forth.

Given under my hand and seal of office the day and year last above written.  
My commission expires: \_\_\_\_\_ Notary Public

INDEXED  
5/21/73

Copy Made 5/21/73  
A. Mansill

1-07XG-3014688 313

STATE OF Illinois  
COUNTY OF McHenry

File 3014688  
KNOW ALL MEN BY THESE PRESENTS:

THAT WHEREAS, heretofore, under date of February 22, 1973, Helen Shaw Tansill, as lessor, did execute and deliver to Cities Service Oil Company, as lessee, an oil and gas mineral lease, recorded in Volume 97 at Page 439, of the Misc. Records of Eddy County, covering certain land situated in Section 8, Township 22 South, Range 27 East in Eddy County, New Mexico, briefly described as follows: to-wit:

Township 22 South, Range 27 East, Eddy County, New Mexico

Section 8: That part of the NW/4 NW/4 lying South and West of the Pecos River

said land being more fully described in said lease, reference to said lease and to the record thereof being here made for all purposes; and,

WHEREAS, said lease and all rights and privileges thereunder are now owned and held by Cities Service Oil Company, and,

WHEREAS, it is the desire of the undersigned parties hereto to adopt, ratify and confirm said lease;

NOW, THEREFORE, in consideration of the premises and One (\$1.00) Dollar and other valuable considerations all cash to us in hand paid by Cities Service Oil Company, the receipt of which is hereby acknowledged and confessed, we Jeanne T. Green, Doris T. Anderson, and Robert W. Tansill lessors, (whether one or more), do hereby adopt, ratify and confirm said lease in all its terms and provisions, and do hereby lease, demise and let said land and premises unto the said Cities Service Oil Company subject to and in accordance with all of the terms and provisions of said lease as fully and completely as if we had originally been named as lessor in said lease and had executed, acknowledged and delivered the same in our own proper person. And we do hereby agree and declare that said lease in all of its terms and provisions is binding on us and is a valid and subsisting oil and gas mineral lease.

WITNESS our hands and seals this the 1st day of June, A. D., 1973.

Jeanne T. Green

Doris T. Anderson  
Doris T. Anderson

Robert W. Tansill, Jr.  
Robert W. Tansill, Jr.

STATE OF \_\_\_\_\_  
COUNTY OF \_\_\_\_\_

The foregoing instrument was acknowledged before me this \_\_\_\_\_ day of \_\_\_\_\_, 1973, by \_\_\_\_\_

My Commission expires:

\_\_\_\_\_, 197\_\_

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



314

STATE OF Illinois  
COUNTY OF St. Henry

The foregoing instrument was acknowledged before me this 1st day  
of June, 1973, by Gene T. Anderson

My Commission expires:  
6-23, 1976

John T. Anderson  
Notary Public

STATE OF Illinois  
COUNTY OF St. Henry

The foregoing instrument was acknowledged before me this 1st day  
of June, 1973, by Robert H. Jansold, Jr.

My Commission expires:  
6-23, 1976

John T. Anderson  
Notary Public

STATE OF NEW MEXICO, County of Eddy, ss. I hereby certify that  
this instrument was filed for record on the 24 day of August  
1973 at 1:05 o'clock P.M., and duly recorded in Book 106  
Page 313 of the Records of Miscellaneous  
GERALDINE MAHAFFEY, County Clerk  
By Janita Carpenter, Deputy

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

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

**Case Nos. 23708**

**SELF-AFFIRMED STATEMENT OF TYLER HILL**

Tyler Hill deposes and states:

1. I am over the age of 18, and have personal knowledge of the matters stated herein.
2. I am a geologist for Mewbourne Oil Company ("Mewbourne"), and I am familiar with the geological matters involved in this case. I have been qualified by the Division as an expert petroleum geologist.
3. The following geological plats are attached hereto:
  - (a) Attachment A is a structure map on the top of the Wolfcamp formation. It shows that structure dips gently to the east. It also shows Wolfcamp wells in the area, and a line of cross-section (A-A').
  - (b) Attachment B is a cross section showing the Wolfcamp formation. The target zone for the proposed wells is the Wolfcamp 'Sd' formation. The well logs on the cross-section give a representative sample of the Wolfcamp formation in this area. The Wolfcamp shale is continuous and uniformly thick across the well unit.
4. I conclude from the maps that:
  - (a) The horizontal spacing unit is justified from a geologic standpoint.
  - (b) The target zone is continuous and of uniform thickness across the well unit.
  - (c) Each quarter section in the well unit will contribute more or less equally to production.
  - (d) There is no faulting or other geologic impediment in the area which will affect the drilling of the subject wells.
5. Attachment C contains information on other Wolfcamp wells drilled in this area. There is a preference for laydown wells.

EXHIBIT 3

6. Exhibit D contains copies of the horizontal drilling plans for the subject wells: Sandlot 9-8 #711H, and Sandlot #713H. The producing interval of the proposed well will be orthodox. The Pool code is Purple Sage Wolfcamp (98220).

I understand that this Self-Affirmed Statement will be used as written testimony in these cases. I affirm that my testimony in paragraphs 1 through 6 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 written next to my signature below.

Date: 7/19/23

  
Tyler Hill.



### Sandlot 9/8

A

A

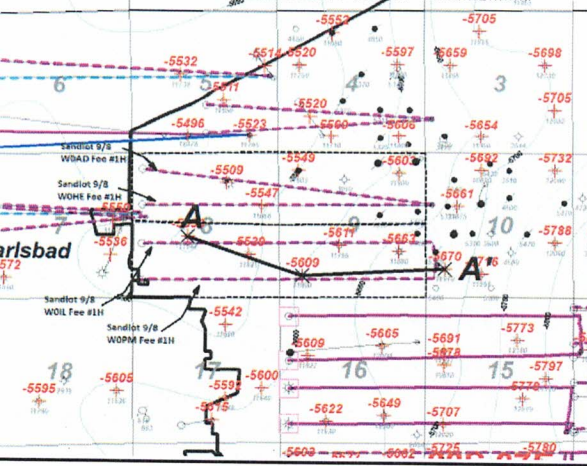
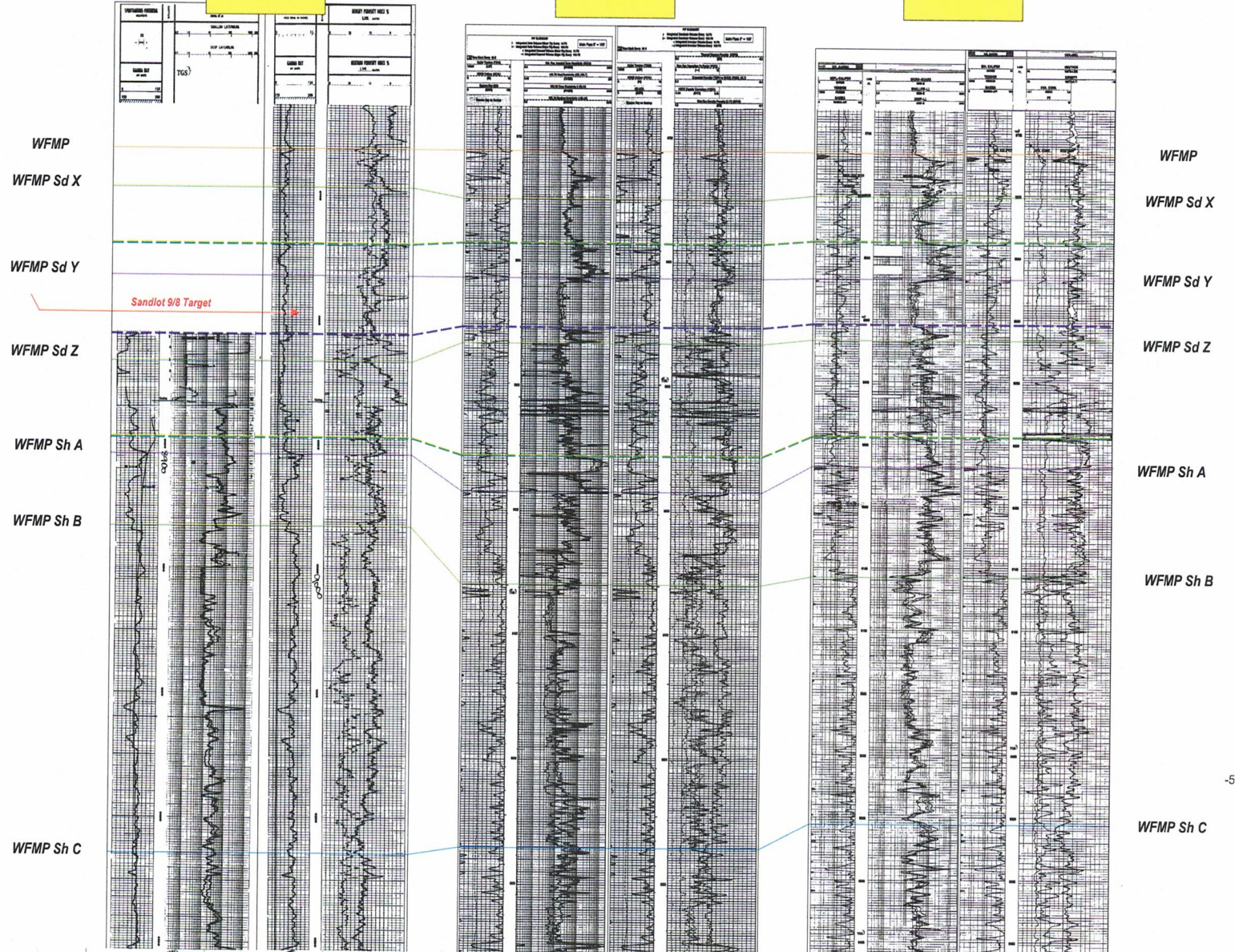
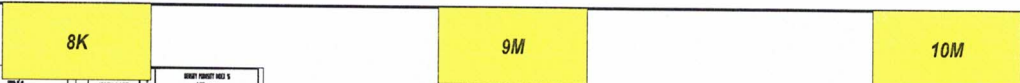
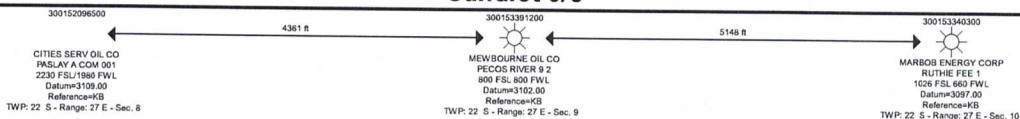


EXHIBIT 3.B

Sandlot 9/8 WOAD Fee #711H  
 Sandlot 9/8 WOHF Fee #713H  
 Sandlot 9/8 WOIL Fee #716H  
 Sandlot 9/8 WOPM Fee #718H

**Sandlot Area Production Table**

Primary API	Lease Name	Well Num	Operator Name	Location	Field Name	Oil Cum(MBO)	Gas Cum(BCF)	Wtr Cum(MBW)	First Prod Date	WFMP Zone	Orientation
30015462360000	LITTLE GIANTS 20 19 WOPM FEDERAL COM	001H	MEWBOURNE OIL CO	22S 28E 21M SW	PURPLE SAGE	322	0.91	1037	2021-12-01	WFMP Sd Y	Laydown
30015462370000	LITTLE GIANTS 20 19 WOIL FEDERAL COM	001H	MEWBOURNE OIL CO	22S 28E 21M SW	PURPLE SAGE	322	0.91	1209	2021-12-01	WFMP Sd Y	Laydown
30015473050000	WATERBOY 27 26 WODA FEE	001H	MEWBOURNE OIL CO	22S 27E 27D	PURPLE SAGE	164	0.48	928	2022-07-01	WFMP Sd Y	Laydown
30015480870000	CITY SLICKERS 28 29 WOAD FEE	001H	MEWBOURNE OIL CO	22S 27E 27D	PURPLE SAGE	214	0.55	794	2022-07-01	WFMP Sd Y	Laydown
30015468080000	MIGHTY DUCKS 15 16 WOIL STATE COM	002H	MEWBOURNE OIL CO	22S 27E 15P	PURPLE SAGE	183	0.48	793	2022-09-01	WFMP Sd Y	Laydown
30015499800000	MIGHTY DUCKS 15 16 WOPM STATE COM	001H	MEWBOURNE OIL CO	22S 27E 15P	PURPLE SAGE	250	0.65	747	2022-09-01	WFMP Sd Y	Laydown
30015499810000	TOMMY BOY 23 24 WODA FEDERAL COM	001H	MEWBOURNE OIL CO	22S 27E 22H NE	PURPLE SAGE	178	0.41	413	2023-01-01	WFMP Sd Y	Laydown
30015462380000	TOMMY BOY 23 24 WOEH FEDERAL COM	003H	MEWBOURNE OIL CO	22S 27E 22H NE	PURPLE SAGE	176	0.41	459	2023-01-01	WFMP Sd Y	Laydown
30015480530000	LITTLE GIANTS 20 19 WOHE FEDERAL COM	001H	MEWBOURNE OIL CO	22S 28E 20H NE	PURPLE SAGE	113	0.27	373	2023-02-01	WFMP Sd Y	Laydown
30015480540000	MIGHTY DUCKS 15 16 WOHE STATE COM	001H	MEWBOURNE OIL CO	22S 27E 14E SW NW	PURPLE SAGE	46	0.12	192	2023-03-01	WFMP Sd Y	Laydown
30015480540000	MIGHTY DUCKS 15 16 WOAD STATE COM	001H	MEWBOURNE OIL CO	22S 27E 14E	PURPLE SAGE	55	0.14	211	2023-03-01	WFMP Sd Y	Laydown

EXHIBIT

3-C

EXHIBIT 3.D

# Mewbourne Oil Company

## SURVEY CALCULATION REPORT Minimum Curvature Calculations

Operator: Mewbourne Oil Company														Target KBTVD: 8,845 Feet		8845.00	
Lease Name: Sandlot 9-8 WOAD Fee 1H														Target Angle: 90.49 Degrees		90.49	
KOP: 8272.04														Section Plane: 276.52 Degrees			
SL: 150 FNL & 1400 FWL Sec 6-20S-29E														Declination Corrected to True North: 6.63 Degrees			
BHL: 330 FSL & 1400 FWL Sec 6-20S-29E														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		DRIFT RADIANS	AZIMUTH RADIANS
														-Below			
T/I	8272.04	0.00	276.52	N/A	8272.0	0.0	0.0	0.0	0.0	0.0	N/A	N/A	8272.0	573.0	1E-12	4.83	
1	8362.53	9.05	276.52	90.49	8362.2	7.1	0.8	-7.1	7.1	276.5	10.0	10.0	8362.2	482.8	0.15793	4.83	
2	8453.02	18.10	276.52	90.49	8450.0	28.3	3.2	-28.2	28.3	276.5	10.0	10.0	8450.3	394.7	0.31587	4.83	
3	8543.51	27.15	276.52	90.49	8533.5	63.1	7.2	-62.7	63.1	276.5	10.0	10.0	8534.0	311.0	0.4738	4.83	
4	8634.00	36.20	276.52	90.49	8610.4	110.6	12.5	-109.9	110.6	276.5	10.0	10.0	8611.3	233.7	0.63174	4.83	
5	8724.49	45.24	276.52	90.49	8678.9	169.6	19.2	-168.5	169.6	276.5	10.0	10.0	8680.4	164.6	0.78967	4.83	
6	8814.98	54.29	276.52	90.49	8737.3	238.6	27.1	-237.0	238.6	276.5	10.0	10.0	8739.3	105.7	0.94761	4.83	
7	8905.47	63.34	276.52	90.49	8784.1	315.9	35.8	-313.9	315.9	276.5	10.0	10.0	8786.8	58.2	1.10554	4.83	
8	8995.96	72.39	276.52	90.49	8818.2	399.6	45.3	-397.1	399.6	276.5	10.0	10.0	8821.6	23.4	1.26348	4.83	
9	9086.45	81.44	276.52	90.49	8838.6	487.7	55.3	-484.5	487.7	276.5	10.0	10.0	8842.8	2.2	1.42141	4.83	
10	9176.94	90.49	276.52	90.49	8845.0	577.9	65.6	-574.1	577.9	276.5	10.0	10.0	8849.9	-4.9	1.57934	4.83	
11	9200.00	90.49	276.52	23.06	8844.8	600.9	68.2	-597.0	600.9	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83	
12	9300.00	90.49	276.52	100	8843.9	700.9	79.5	-696.4	700.9	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83	
13	9400.00	90.49	276.52	100	8843.1	800.9	90.9	-795.7	800.9	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83	
14	9500.00	90.49	276.52	100	8842.2	900.9	102.2	-895.1	900.9	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83	
15	9600.00	90.49	276.52	100	8841.4	1000.9	113.6	-994.4	1000.9	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83	
16	9700.00	90.49	276.52	100	8840.5	1100.9	124.9	-1093.8	1100.9	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83	
17	9800.00	90.49	276.52	100	8839.7	1200.9	136.3	-1193.1	1200.9	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83	
18	9900.00	90.49	276.52	100	8838.8	1300.9	147.6	-1292.5	1300.9	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83	
19	10000.00	90.49	276.52	100	8837.9	1400.9	159.0	-1391.8	1400.9	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83	
20	10100.00	90.49	276.52	100	8837.1	1500.9	170.3	-1491.2	1500.9	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83	
21	10200.00	90.49	276.52	100	8836.2	1600.9	181.7	-1590.5	1600.9	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83	
22	10300.00	90.49	276.52	100	8835.4	1700.9	193.0	-1689.9	1700.9	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83	
23	10400.00	90.49	276.52	100	8834.5	1800.9	204.4	-1789.2	1800.9	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83	
24	10500.00	90.49	276.52	100	8833.7	1900.9	215.7	-1888.6	1900.9	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83	
25	10600.00	90.49	276.52	100	8832.8	2000.9	227.0	-1987.9	2000.9	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83	
26	10700.00	90.49	276.52	100	8832.0	2100.9	238.4	-2087.3	2100.9	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83	
27	10800.00	90.49	276.52	100	8831.1	2200.9	249.7	-2186.6	2200.9	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83	
28	10900.00	90.49	276.52	100	8830.3	2300.9	261.1	-2286.0	2300.9	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83	
29	11000.00	90.49	276.52	100	8829.4	2400.8	272.4	-2385.3	2400.8	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83	
30	11100.00	90.49	276.52	100	8828.5	2500.8	283.8	-2484.7	2500.8	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83	
31	11200.00	90.49	276.52	100	8827.7	2600.8	295.1	-2584.0	2600.8	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83	
32	11300.00	90.49	276.52	100	8826.8	2700.8	306.5	-2683.4	2700.8	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83	
33	11400.00	90.49	276.52	100	8826.0	2800.8	317.8	-2782.7	2800.8	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83	
34	11500.00	90.49	276.52	100	8825.1	2900.8	329.2	-2882.1	2900.8	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83	
35	11600.00	90.49	276.52	100	8824.3	3000.8	340.5	-2981.4	3000.8	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83	
36	11700.00	90.49	276.52	100	8823.4	3100.8	351.9	-3080.8	3100.8	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83	
37	11800.00	90.49	276.52	100	8822.6	3200.8	363.2	-3180.1	3200.8	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83	
38	11900.00	90.49	276.52	100	8821.7	3300.8	374.6	-3279.5	3300.8	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83	
39	12000.00	90.49	276.52	100	8820.8	3400.8	385.9	-3378.8	3400.8	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83	
40	12100.00	90.49	276.52	100	8820.0	3500.8	397.2	-3478.2	3500.8	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83	
41	12200.00	90.49	276.52	100	8819.1	3600.8	408.6	-3577.5	3600.8	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83	
42	12300.00	90.49	276.52	100	8818.3	3700.8	419.9	-3676.9	3700.8	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83	
43	12400.00	90.49	276.52	100	8817.4	3800.8	431.3	-3776.2	3800.8	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83	
44	12500.00	90.49	276.52	100	8816.6	3900.8	442.6	-3875.6	3900.8	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83	
45	12600.00	90.49	276.52	100	8815.7	4000.8	454.0	-3974.9	4000.8	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83	
46	12700.00	90.49	276.52	100	8814.9	4100.8	465.3	-4074.3	4100.8	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83	
47	12800.00	90.49	276.52	100	8814.0	4200.8	476.7	-4173.7	4200.8	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83	
48	12900.00	90.49	276.52	100	8813.2	4300.8	488.0	-4273.0	4300.8	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83	
49	13000.00	90.49	276.52	100	8812.3	4400.8	499.4	-4372.4	4400.8	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83	
50	13100.00	90.49	276.52	100	8811.4	4500.8	510.7	-4471.7	4500.8	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83	

51	13200.00	90.49	276.52	100	8810.6	4600.8	522.1	-4571.1	4600.8	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83
52	13300.00	90.49	276.52	100	8809.7	4700.8	533.4	-4670.4	4700.8	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83
53	13400.00	90.49	276.52	100	8808.9	4800.8	544.8	-4769.8	4800.8	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83
54	13500.00	90.49	276.52	100	8808.0	4900.8	556.1	-4869.1	4900.8	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83
55	13600.00	90.49	276.52	100	8807.2	5000.8	567.5	-4968.5	5000.8	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83
56	13700.00	90.49	276.52	100	8806.3	5100.8	578.8	-5067.8	5100.8	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83
57	13800.00	90.49	276.52	100	8805.5	5200.7	590.1	-5167.2	5200.7	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83
58	13900.00	90.49	276.52	100	8804.6	5300.7	601.5	-5266.5	5300.7	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83
59	14000.00	90.49	276.52	100	8803.8	5400.7	612.8	-5365.9	5400.7	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83
60	14100.00	90.49	276.52	100	8802.9	5500.7	624.2	-5465.2	5500.7	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83
61	14200.00	90.49	276.52	100	8802.0	5600.7	635.5	-5564.6	5600.7	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83
62	14300.00	90.49	276.52	100	8801.2	5700.7	646.9	-5663.9	5700.7	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83
63	14400.00	90.49	276.52	100	8800.3	5800.7	658.2	-5763.3	5800.7	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83
64	14500.00	90.49	276.52	100	8799.5	5900.7	669.6	-5862.6	5900.7	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83
65	14600.00	90.49	276.52	100	8798.6	6000.7	680.9	-5962.0	6000.7	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83
66	14700.00	90.49	276.52	100	8797.8	6100.7	692.3	-6061.3	6100.7	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83
67	14800.00	90.49	276.52	100	8796.9	6200.7	703.6	-6160.7	6200.7	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83
68	14900.00	90.49	276.52	100	8796.1	6300.7	715.0	-6260.0	6300.7	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83
69	15000.00	90.49	276.52	100	8795.2	6400.7	726.3	-6359.4	6400.7	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83
70	15100.00	90.49	276.52	100	8794.3	6500.7	737.7	-6458.7	6500.7	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83
71	15200.00	90.49	276.52	100	8793.5	6600.7	749.0	-6558.1	6600.7	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83
72	15300.00	90.49	276.52	100	8792.6	6700.7	760.3	-6657.4	6700.7	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83
73	15400.00	90.49	276.52	100	8791.8	6800.7	771.7	-6756.8	6800.7	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83
74	15500.00	90.49	276.52	100	8790.9	6900.7	783.0	-6856.1	6900.7	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83
75	15600.00	90.49	276.52	100	8790.1	7000.7	794.4	-6955.5	7000.7	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83
76	15700.00	90.49	276.52	100	8789.2	7100.7	805.7	-7054.8	7100.7	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83
77	15800.00	90.49	276.52	100	8788.4	7200.7	817.1	-7154.2	7200.7	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83
78	15900.00	90.49	276.52	100	8787.5	7300.7	828.4	-7253.5	7300.7	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83
79	16000.00	90.49	276.52	100	8786.7	7400.7	839.8	-7352.9	7400.7	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83
80	16100.00	90.49	276.52	100	8785.8	7500.7	851.1	-7452.2	7500.7	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83
81	16200.00	90.49	276.52	100	8784.9	7600.7	862.5	-7551.6	7600.7	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83
82	16300.00	90.49	276.52	100	8784.1	7700.7	873.8	-7650.9	7700.7	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83
83	16400.00	90.49	276.52	100	8783.2	7800.7	885.2	-7750.3	7800.7	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83
84	16500.00	90.49	276.52	100	8782.4	7900.6	896.5	-7849.6	7900.6	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83
85	16600.00	90.49	276.52	100	8781.5	8000.6	907.9	-7949.0	8000.6	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83
86	16700.00	90.49	276.52	100	8780.7	8100.6	919.2	-8048.3	8100.6	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83
87	16800.00	90.49	276.52	100	8779.8	8200.6	930.6	-8147.7	8200.6	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83
88	16900.00	90.49	276.52	100	8779.0	8300.6	941.9	-8247.0	8300.6	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83
89	17000.00	90.49	276.52	100	8778.1	8400.6	953.2	-8346.4	8400.6	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83
90	17100.00	90.49	276.52	100	8777.3	8500.6	964.6	-8445.7	8500.6	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83
91	17200.00	90.49	276.52	100	8776.4	8600.6	975.9	-8545.1	8600.6	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83
92	17300.00	90.49	276.52	100	8775.5	8700.6	987.3	-8644.4	8700.6	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83
93	17400.00	90.49	276.52	100	8774.7	8800.6	998.6	-8743.8	8800.6	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83
94	17500.00	90.49	276.52	100	8773.8	8900.6	1010.0	-8843.1	8900.6	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83
95	17600.00	90.49	276.52	100	8773.0	9000.6	1021.3	-8942.5	9000.6	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83
96	17700.00	90.49	276.52	100	8772.1	9100.6	1032.7	-9041.8	9100.6	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83
97	17800.00	90.49	276.52	100	8771.3	9200.6	1044.0	-9141.2	9200.6	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83
98	17900.00	90.49	276.52	100	8770.4	9300.6	1055.4	-9240.5	9300.6	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83
99	18000.00	90.49	276.52	100	8769.6	9400.6	1066.7	-9339.9	9400.6	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83
100	18100.00	90.49	276.52	100	8768.7	9500.6	1078.1	-9439.2	9500.6	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83
101	18200.00	90.49	276.52	100	8767.8	9600.6	1089.4	-9538.6	9600.6	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83
102	18300.00	90.49	276.52	100	8767.0	9700.6	1100.8	-9637.9	9700.6	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83
103	18400.00	90.49	276.52	100	8766.1	9800.6	1112.1	-9737.3	9800.6	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83
104	18500.00	90.49	276.52	100	8765.3	9900.6	1123.5	-9836.6	9900.6	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83
105	18600.00	90.49	276.52	100	8764.4	10000.6	1134.8	-9936.0	10000.6	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83
106	18700.00	90.49	276.52	100	8763.6	10100.6	1146.1	#####	10100.6	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83
107	18800.00	90.49	276.52	100	8762.7	10200.6	1157.5	#####	10200.6	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83
108	18900.00	90.49	276.52	100	8761.9	10300.6	1168.8	#####	10300.6	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83
109	19000.00	90.49	276.52	100	8761.0	10400.6	1180.2	#####	10400.6	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83
110	19100.00	90.49	276.52	100	8760.2	10500.6	1191.5	#####	10500.6	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83
111	19115.31	90.49	276.52	15.308	8760.0	10515.9	1193.3	#####	10515.9	276.5	0.0	0.0	8849.9	-4.9	1.57934	4.83



# Mewbourne Oil Company

## SURVEY CALCULATION REPORT Minimum Curvature Calculations

Operator: Mewbourne Oil Company														Target KBTVD: 8,855 Feet		8855.00	
Lease Name: Sandlot 9-8 W0HE Fee 1H														Target Angle: 90.49 Degrees		90.49	
KOP: 8282.04														Section Plane: 269.47 Degrees			
SL: 150 FNL & 1400 FWL Sec 6-20S-29E														Declination Corrected to True North: 6.63 Degrees			
BHL: 330 FSL & 1400 FWL Sec 6-20S-29E														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		AZIMU (RADIAN)	
														-Below Target	DRIFT (RADIAN)		
T/I	8282.04	0.00	269.47	N/A	8282.0	0.0	0.0	0.0	0.0	0.0	N/A	N/A	8282.0	573.0	1E-12	4.70	
1	8372.54	9.05	269.47	90.493	8372.2	7.1	-0.1	-7.1	7.1	269.5	10.0	10.0	8372.2	482.8	0.15794	4.70	
2	8463.03	18.10	269.47	90.493	8460.0	28.3	-0.3	-28.3	28.3	269.5	10.0	10.0	8460.3	394.7	0.31588	4.70	
3	8553.52	27.15	269.47	90.493	8543.5	63.1	-0.6	-63.1	63.1	269.5	10.0	10.0	8544.0	311.0	0.47382	4.70	
4	8644.01	36.20	269.47	90.493	8620.4	110.6	-1.0	-110.6	110.6	269.5	10.0	10.0	8621.4	233.6	0.63176	4.70	
5	8734.51	45.25	269.47	90.493	8688.9	169.6	-1.6	-169.6	169.6	269.5	10.0	10.0	8690.4	164.6	0.7897	4.70	
6	8825.00	54.30	269.47	90.493	8747.3	238.6	-2.2	-238.6	238.6	269.5	10.0	10.0	8749.4	105.6	0.94764	4.70	
7	8915.49	63.35	269.47	90.493	8794.1	315.9	-2.9	-315.9	315.9	269.5	10.0	10.0	8796.8	58.2	1.10558	4.70	
8	9005.99	72.39	269.47	90.493	8828.2	399.7	-3.7	-399.6	399.7	269.5	10.0	10.0	8831.6	23.4	1.26352	4.70	
9	9096.48	81.44	269.47	90.493	8848.6	487.7	-4.5	-487.7	487.7	269.5	10.0	10.0	8852.8	2.2	1.42146	4.70	
10	9186.97	90.49	269.47	90.493	8855.0	577.9	-5.4	-577.9	577.9	269.5	10.0	10.0	8860.0	-5.0	1.5794	4.70	
11	9200.00	90.49	269.47	13.026	8854.9	590.9	-5.5	-590.9	590.9	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70	
12	9300.00	90.49	269.47	100	8854.0	690.9	-6.4	-690.9	690.9	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70	
13	9400.00	90.49	269.47	100	8853.1	790.9	-7.3	-790.9	790.9	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70	
14	9500.00	90.49	269.47	100	8852.3	890.9	-8.3	-890.9	890.9	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70	
15	9600.00	90.49	269.47	100	8851.4	990.9	-9.2	-990.9	990.9	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70	
16	9700.00	90.49	269.47	100	8850.6	1090.9	-10.1	-1090.8	1090.9	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70	
17	9800.00	90.49	269.47	100	8849.7	1190.9	-11.0	-1190.8	1190.9	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70	
18	9900.00	90.49	269.47	100	8848.8	1290.9	-12.0	-1290.8	1290.9	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70	
19	10000.00	90.49	269.47	100	8848.0	1390.9	-12.9	-1390.8	1390.9	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70	
20	10100.00	90.49	269.47	100	8847.1	1490.9	-13.8	-1490.8	1490.9	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70	
21	10200.00	90.49	269.47	100	8846.3	1590.9	-14.7	-1590.8	1590.9	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70	
22	10300.00	90.49	269.47	100	8845.4	1690.9	-15.7	-1690.8	1690.9	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70	
23	10400.00	90.49	269.47	100	8844.5	1790.9	-16.6	-1790.8	1790.9	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70	
24	10500.00	90.49	269.47	100	8843.7	1890.9	-17.5	-1890.8	1890.9	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70	
25	10600.00	90.49	269.47	100	8842.8	1990.9	-18.4	-1990.8	1990.9	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70	
26	10700.00	90.49	269.47	100	8842.0	2090.9	-19.4	-2090.8	2090.9	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70	
27	10800.00	90.49	269.47	100	8841.1	2190.9	-20.3	-2190.8	2190.9	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70	
28	10900.00	90.49	269.47	100	8840.2	2290.9	-21.2	-2290.8	2290.9	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70	
29	11000.00	90.49	269.47	100	8839.4	2390.8	-22.1	-2390.7	2390.8	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70	
30	11100.00	90.49	269.47	100	8838.5	2490.8	-23.1	-2490.7	2490.8	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70	
31	11200.00	90.49	269.47	100	8837.7	2590.8	-24.0	-2590.7	2590.8	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70	
32	11300.00	90.49	269.47	100	8836.8	2690.8	-24.9	-2690.7	2690.8	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70	
33	11400.00	90.49	269.47	100	8835.9	2790.8	-25.8	-2790.7	2790.8	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70	
34	11500.00	90.49	269.47	100	8835.1	2890.8	-26.8	-2890.7	2890.8	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70	
35	11600.00	90.49	269.47	100	8834.2	2990.8	-27.7	-2990.7	2990.8	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70	
36	11700.00	90.49	269.47	100	8833.3	3090.8	-28.6	-3090.7	3090.8	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70	
37	11800.00	90.49	269.47	100	8832.5	3190.8	-29.6	-3190.7	3190.8	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70	
38	11900.00	90.49	269.47	100	8831.6	3290.8	-30.5	-3290.7	3290.8	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70	
39	12000.00	90.49	269.47	100	8830.8	3390.8	-31.4	-3390.7	3390.8	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70	
40	12100.00	90.49	269.47	100	8829.9	3490.8	-32.3	-3490.7	3490.8	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70	
41	12200.00	90.49	269.47	100	8829.0	3590.8	-33.3	-3590.6	3590.8	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70	
42	12300.00	90.49	269.47	100	8828.2	3690.8	-34.2	-3690.6	3690.8	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70	
43	12400.00	90.49	269.47	100	8827.3	3790.8	-35.1	-3790.6	3790.8	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70	
44	12500.00	90.49	269.47	100	8826.5	3890.8	-36.0	-3890.6	3890.8	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70	
45	12600.00	90.49	269.47	100	8825.6	3990.8	-37.0	-3990.6	3990.8	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70	
46	12700.00	90.49	269.47	100	8824.7	4090.8	-37.9	-4090.6	4090.8	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70	
47	12800.00	90.49	269.47	100	8823.9	4190.8	-38.8	-4190.6	4190.8	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70	
48	12900.00	90.49	269.47	100	8823.0	4290.8	-39.7	-4290.6	4290.8	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70	
49	13000.00	90.49	269.47	100	8822.2	4390.8	-40.7	-4390.6	4390.8	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70	
50	13100.00	90.49	269.47	100	8821.3	4490.8	-41.6	-4490.6	4490.8	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70	

51	13200.00	90.49	269.47	100	8820.4	4590.8	-42.5	-4590.6	4590.8	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70
52	13300.00	90.49	269.47	100	8819.6	4690.8	-43.4	-4690.6	4690.8	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70
53	13400.00	90.49	269.47	100	8818.7	4790.8	-44.4	-4790.6	4790.8	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70
54	13500.00	90.49	269.47	100	8817.9	4890.8	-45.3	-4890.5	4890.8	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70
55	13600.00	90.49	269.47	100	8817.0	4990.8	-46.2	-4990.5	4990.8	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70
56	13700.00	90.49	269.47	100	8816.1	5090.7	-47.1	-5090.5	5090.7	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70
57	13800.00	90.49	269.47	100	8815.3	5190.7	-48.1	-5190.5	5190.7	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70
58	13900.00	90.49	269.47	100	8814.4	5290.7	-49.0	-5290.5	5290.7	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70
59	14000.00	90.49	269.47	100	8813.6	5390.7	-49.9	-5390.5	5390.7	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70
60	14100.00	90.49	269.47	100	8812.7	5490.7	-50.9	-5490.5	5490.7	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70
61	14200.00	90.49	269.47	100	8811.8	5590.7	-51.8	-5590.5	5590.7	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70
62	14300.00	90.49	269.47	100	8811.0	5690.7	-52.7	-5690.5	5690.7	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70
63	14400.00	90.49	269.47	100	8810.1	5790.7	-53.6	-5790.5	5790.7	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70
64	14500.00	90.49	269.47	100	8809.2	5890.7	-54.6	-5890.5	5890.7	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70
65	14600.00	90.49	269.47	100	8808.4	5990.7	-55.5	-5990.5	5990.7	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70
66	14700.00	90.49	269.47	100	8807.5	6090.7	-56.4	-6090.5	6090.7	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70
67	14800.00	90.49	269.47	100	8806.7	6190.7	-57.3	-6190.4	6190.7	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70
68	14900.00	90.49	269.47	100	8805.8	6290.7	-58.3	-6290.4	6290.7	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70
69	15000.00	90.49	269.47	100	8804.9	6390.7	-59.2	-6390.4	6390.7	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70
70	15100.00	90.49	269.47	100	8804.1	6490.7	-60.1	-6490.4	6490.7	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70
71	15200.00	90.49	269.47	100	8803.2	6590.7	-61.0	-6590.4	6590.7	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70
72	15300.00	90.49	269.47	100	8802.4	6690.7	-62.0	-6690.4	6690.7	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70
73	15400.00	90.49	269.47	100	8801.5	6790.7	-62.9	-6790.4	6790.7	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70
74	15500.00	90.49	269.47	100	8800.6	6890.7	-63.8	-6890.4	6890.7	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70
75	15600.00	90.49	269.47	100	8799.8	6990.7	-64.7	-6990.4	6990.7	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70
76	15700.00	90.49	269.47	100	8798.9	7090.7	-65.7	-7090.4	7090.7	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70
77	15800.00	90.49	269.47	100	8798.1	7190.7	-66.6	-7190.4	7190.7	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70
78	15900.00	90.49	269.47	100	8797.2	7290.7	-67.5	-7290.4	7290.7	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70
79	16000.00	90.49	269.47	100	8796.3	7390.7	-68.5	-7390.3	7390.7	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70
80	16100.00	90.49	269.47	100	8795.5	7490.7	-69.4	-7490.3	7490.7	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70
81	16200.00	90.49	269.47	100	8794.6	7590.7	-70.3	-7590.3	7590.7	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70
82	16300.00	90.49	269.47	100	8793.8	7690.7	-71.2	-7690.3	7690.7	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70
83	16400.00	90.49	269.47	100	8792.9	7790.6	-72.2	-7790.3	7790.6	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70
84	16500.00	90.49	269.47	100	8792.0	7890.6	-73.1	-7890.3	7890.6	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70
85	16600.00	90.49	269.47	100	8791.2	7990.6	-74.0	-7990.3	7990.6	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70
86	16700.00	90.49	269.47	100	8790.3	8090.6	-74.9	-8090.3	8090.6	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70
87	16800.00	90.49	269.47	100	8789.5	8190.6	-75.9	-8190.3	8190.6	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70
88	16900.00	90.49	269.47	100	8788.6	8290.6	-76.8	-8290.3	8290.6	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70
89	17000.00	90.49	269.47	100	8787.7	8390.6	-77.7	-8390.3	8390.6	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70
90	17100.00	90.49	269.47	100	8786.9	8490.6	-78.6	-8490.3	8490.6	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70
91	17200.00	90.49	269.47	100	8786.0	8590.6	-79.6	-8590.3	8590.6	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70
92	17300.00	90.49	269.47	100	8785.1	8690.6	-80.5	-8690.2	8690.6	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70
93	17400.00	90.49	269.47	100	8784.3	8790.6	-81.4	-8790.2	8790.6	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70
94	17500.00	90.49	269.47	100	8783.4	8890.6	-82.3	-8890.2	8890.6	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70
95	17600.00	90.49	269.47	100	8782.6	8990.6	-83.3	-8990.2	8990.6	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70
96	17700.00	90.49	269.47	100	8781.7	9090.6	-84.2	-9090.2	9090.6	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70
97	17800.00	90.49	269.47	100	8780.8	9190.6	-85.1	-9190.2	9190.6	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70
98	17900.00	90.49	269.47	100	8780.0	9290.6	-86.0	-9290.2	9290.6	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70
99	18000.00	90.49	269.47	100	8779.1	9390.6	-87.0	-9390.2	9390.6	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70
100	18100.00	90.49	269.47	100	8778.3	9490.6	-87.9	-9490.2	9490.6	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70
101	18200.00	90.49	269.47	100	8777.4	9590.6	-88.8	-9590.2	9590.6	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70
102	18300.00	90.49	269.47	100	8776.5	9690.6	-89.8	-9690.2	9690.6	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70
103	18400.00	90.49	269.47	100	8775.7	9790.6	-90.7	-9790.2	9790.6	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70
104	18500.00	90.49	269.47	100	8774.8	9890.6	-91.6	-9890.1	9890.6	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70
105	18600.00	90.49	269.47	100	8774.0	9990.6	-92.5	-9990.1	9990.6	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70
106	18700.00	90.49	269.47	100	8773.1	10090.6	-93.5	#####	10090.6	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70
107	18800.00	90.49	269.47	100	8772.2	10190.6	-94.4	#####	10190.6	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70
108	18900.00	90.49	269.47	100	8771.4	10290.6	-95.3	#####	10290.6	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70
109	19000.00	90.49	269.47	100	8770.5	10390.6	-96.2	#####	10390.6	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70
110	19057.33	90.49	269.47	57.333	8770.0	10447.9	-96.8	#####	10447.9	269.5	0.0	0.0	8860.0	-5.0	1.5794	4.70