

**CASE NO. 24553**

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

EXHIBIT LIST

PART I

1. Pooling Checklist
2. Landman's Affidavit
  - 2-A: Plat and C-102s
  - 2-B: Tract Listing and Ownership List
  - 2-C: Proposal Letter and Summary of Communications
  - 2-D: AFEs
3. Geologist's Affidavit
  - 3-A: Locator Map
  - 3-A: Structure Map
  - 3-B: Cross-Section
  - 3-C: Horizontal Drilling Plan

# COMPULSORY POOLING APPLICATION CHECKLIST

ALL INFORMATION IN THE APPLICATION MUST BE SUPPORTED BY SIGNED AFFIDAVITS

Case: 24553

APPLICANT'S RESPONSE

Date: June 27, 2024

Applicant

Mewbourne Oil Company

Designated Operator & OGRID (affiliation if applicable)

14744

Applicant's Counsel:

James Bruce

Case Title:

Application of Mewbourne Oil Company for compulsory pooling, Eddy County, New Mexico

EXHIBIT 1

Entries of Appearance/Intervenors:

Well Family

Judge Bone Spring Wells

**Formation/Pool**

Formation Name(s) or Vertical Extent:

Bone Spring formation

Primary Product (Oil or Gas):

Oil

Pooling this vertical extent:

Entire Bone Spring formation

Pool Name and Pool Code (Only if NSP is requested):

Well Location Setback Rules (Only if NSP is Requested):

**Spacing Unit**

Type (Horizontal/Vertical)

Horizontal

Size (Acres)

656.12 acres

Building Blocks:

40 acres

Orientation:

East-West

	Lots 1-4 and S/2N/2 §3 and Lots 1-4 and Township 20 South, Range 29 East, NMPM, Eddy County
<u>Standard Horizontal Well Spacing Unit (Y/N), If No, describe and is approval of non-standard unit requested in this application?</u>	No. Applicant has filed an administrative request for approval of the non-standard unit.
<b>Other Situations</b>	
Depth Severance: Y/N. If yes, description	No
Proximity Tracts: If yes, description	No
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	Judge 3/4 Fed. Com. Well No. 621H API No. 30-015-54860 FTP: 880 feet FNL and 100 feet FEL §3 LTP: 880 feet FNL and 100 feet FWL §4 Third Bone Spring Sand TVD 9443 feet, MVD 19520 feet



Well #2

Judge 3/4 Fed. Com. Well No. 623H  
 API No. 30-015-53851  
 FTP: 2100 feet FNL and 100 feet FEL §3  
 LTP: 2100 feet FNL and 100 feet FWL §4  
 Third Bone Spring Sand  
 TVD 9256 feet, MVD 19502 feet

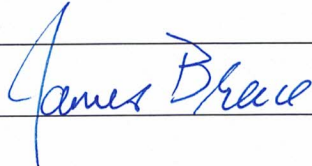
Horizontal Well First and Last Take Points	See above
Completion Target (Formation, TVD and MD)	See above
<b>AFE Capex and Operating Costs</b>	
Drilling Supervision/Month \$	\$8000
Production Supervision/Month \$	\$800
Justification for Supervision Costs	Exhibits 2 and 2-C
Requested Risk Charge	200%
<b>Notice of Hearing</b>	
Proposed Notice of Hearing	Exhibit 6
Proof of Mailed Notice of Hearing (20 days before hearing)	Exhibits 4 and 4-A
Proof of Published Notice of Hearing (10 days before hearing)	Exhibit 5

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**Ownership Determination**

Land Ownership Schematic of the Spacing Unit	Exhibits 2-A and 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)	Exhibits 2-B and 4-A/Working Interest and Record Title Owners
Unlocatable Parties to be Pooled	Yes
Ownership Depth Severance (including percentage above & below)	No 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	%8000/\$800
Cost Estimate to Drill and Complete	Exhibit 2-D
Cost Estimate to Equip Well	Exhibit 2-D
Cost Estimate for Production Facilities	Exhibit 2-D
<b>Geology</b>	
Summary (including special considerations)	Exhibit 3
Spacing Unit Schematic	Exhibit 2-A

Gunbarrel/Lateral Trajectory Schematic	Exhibit 3-B
Well Orientation (with rationale)	Exhibits 3 and 3-A
Target Formation	Third Bone Spring Sand
HSU Cross Section	Exhibit 3-C
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)	Exhibit 2-B
General Location Map (including basin)	Exhibit 3-A
Well Bore Location Map	Exhibits 2-A and 3-B
Structure Contour Map - Subsea Depth	Exhibit 3-B
Cross Section Location Map (including wells)	Exhibit 3-C
Cross Section (including Landing Zone)	Exhibit 3-C
<b>Additional Information</b>	
Special Provisions/Stipulations	
<b>CERTIFICATION: I hereby certify that the information provided in this checklist is complete and accurate.</b>	
Printed Name (Attorney or Party Representative):	James Bruce
Signed Name (Attorney or Party Representative):	
Date:	June 19, 2024

**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. 24553**

**SELF-AFFIRMED STATEMENT OF BRAXTON BLANDFORD**

Braxton Blandford, being duly sworn upon his oath, deposes and states:

1. I am a landman for Mewbourne Oil Company (“Mewbourne”), and have personal knowledge of the matters stated herein. I have been qualified by the Division as an expert petroleum landman.

2. Pursuant to Division Rules, the following information is submitted in support of this application.

3. The purpose of this application is to force pool uncommitted working interest owners into the non-standard Bone Spring horizontal spacing unit described below. Applicant has filed an administrative application for approval of the non-standard unit.

In addition, Mewbourne seeks to pool Record Title Owners into the well unit for purposes of obtaining approval of a communitization agreement from the Bureau of Land Management.

4. Mewbourne seeks an order pooling uncommitted working interest owners and Record Title owners in the Bone Spring formation underlying a horizontal spacing unit comprised of Lots 1-4 and the S/2N/2 (the N/2) of Section 3 and Lots 1-4 and the S/2N/2 (the N/2) of Section 4, Township 20 South, Range 29 East, NMPM. The unit will be dedicated to the Judge 3/4 Fed. Com. Well Nos. 621H and 623H.

5. There is no depth severance in the Bone Spring formation.

6. A plat outlining the unit being pooled is submitted as Exhibit 2-A. Form C-102s for the well s are part of Exhibit 2-A.

7. The tracts in the unit, the leases, and the parties being pooled and their interests, are set forth in Exhibit 2-B.

EXHIBIT 2

1



8. The interest owners being pooled have been contacted regarding the proposed well, but have failed or refused to voluntarily commit their interests to the well. In order to locate the interest owners Mewbourne searched the federal and county records, performed internet searches, checked telephone records, and searched Accurint and Whitepages.

9. Attachment 2-C contains a sample copy of the proposal letters sent to the interest owners being pooled. It also contains a summary of communications with the parties. Mewbourne has made a good faith effort to locate and obtain the voluntary joinder of the working interest owners in the proposed wells.

10. Attachment 2-D contains the Authorizations for Expenditure for the proposed wells. The estimated costs of the wells set forth therein are fair and reasonable, and comparable to the cost of other wells of similar depth and length drilled in this area of Eddy County.

11. Mewbourne requests overhead and administrative rates of \$8000/month for a drilling well and \$800/month for a producing well. These rates are fair, and comparable to the rates charged by other operators for wells of this type in this portion of Eddy County. They are also the rates set forth in the Joint Operating Agreement for the well unit. Mewbourne requests that these rates be adjusted periodically as provided in the COPAS Accounting Procedure.

12. Mewbourne requests that the maximum cost plus 200% risk charge be assessed against a non-consenting working interest owner.

13. Mewbourne requests that it be designated operator of the wells.

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

15. Granting 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 this case. I affirm that my testimony in paragraphs 1 through 15 above is true and correct and is made under penalty of perjury under the laws of the State of New Mexico. My testimony is made as of the date handwritten next to my signature below.

Date: 6/19/2024

Braxton Blandford  
Braxton Blandford



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

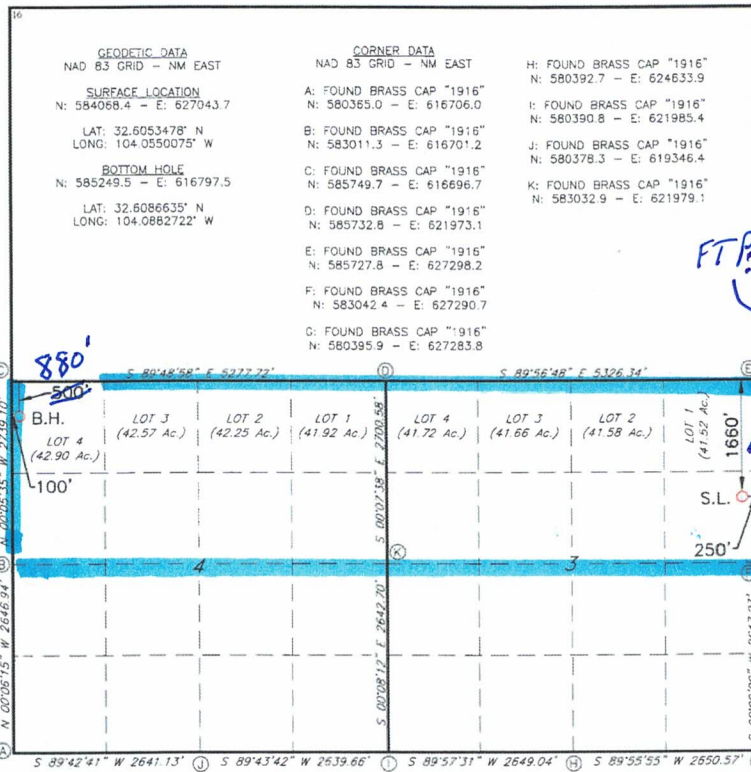
AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-015-54860		<sup>2</sup> Pool Code 49622		<sup>3</sup> Pool Name Parkway, Bone Spring					
<sup>4</sup> Property Code		<sup>5</sup> Property Name JUDGE 3/4 B3AD FED COM			<sup>6</sup> Well Number 1H				
14744		<sup>8</sup> Operator Name MEWBOURNE OIL COMPANY			<sup>9</sup> Elevation 3316'				
<sup>10</sup> Surface Location									
UL or lot no. H	Section 3	Township 20S	Range 29E	Lot Idn	Feet from the 1660	North/South line NORTH	Feet from the 250	East/West line EAST	County EDDY
<sup>11</sup> Bottom Hole Location If Different From Surface									
UL or lot no. 4	Section 4	Township 20S	Range 29E	Lot Idn	Feet from the 500	North/South line NORTH	Feet from the 100	East/West line WEST	County EDDY
<sup>12</sup> Dedicated Acres 656.12		<sup>13</sup> Joint or Infill		<sup>14</sup> Consolidation Code		<sup>15</sup> Order No. 880			

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><b>16</b></p> <p><b>GEODETTIC DATA</b> NAD 83 GRID - NM EAST SURFACE LOCATION N: 584058.4 - E: 627043.7 LAT: 32.6053478° N LONG: 104.0550075° W BOTTOM HOLE N: 585249.5 - E: 616797.5 LAT: 32.6086635° N LONG: 104.0882722° W</p>	<p><b>CORNER DATA</b> NAD 83 GRID - NM EAST A: FOUND BRASS CAP "1916" N: 580365.0 - E: 616706.0 B: FOUND BRASS CAP "1916" N: 583011.3 - E: 616701.2 C: FOUND BRASS CAP "1916" N: 585749.7 - E: 616696.7 D: FOUND BRASS CAP "1916" N: 585732.8 - E: 621973.1 E: FOUND BRASS CAP "1916" N: 585727.8 - E: 627298.2 F: FOUND BRASS CAP "1916" N: 583042.4 - E: 627290.7 G: FOUND BRASS CAP "1916" N: 580395.9 - E: 627283.8</p>	<p>H: FOUND BRASS CAP "1916" N: 580392.7 - E: 624633.9 I: FOUND BRASS CAP "1916" N: 580390.8 - E: 621985.4 J: FOUND BRASS CAP "1916" N: 580378.3 - E: 619346.4 K: FOUND BRASS CAP "1916" N: 583032.9 - E: 621979.1</p>	<p><b>17 OPERATOR CERTIFICATION</b> 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>FTP: 880' FNL + 100' FEL</p> <p>Printed Name _____ E-mail Address _____</p>



LS20080351



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1625 N French Dr., Hobbs, NM 88240  
Phone: (575) 393-6161 Fax: (575) 393-0720  
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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 <b>30-015-53851</b>		2 Pool Code <b>49622</b>		3 Pool Name <b>Parkway, Bone Spring</b>	
4 Property Code		5 Property Name <b>JUDGE 3/4 B3HE FED COM</b>			6 Well Number <b>1H</b>
7 GRP NO <b>14744</b>		8 Operator Name <b>MEWBOURNE OIL COMPANY</b>			9 Elevation <b>3316'</b>
10 Surface Location					
UL or lot no <b>H</b>	Section <b>3</b>	Township <b>20S</b>	Range <b>29E</b>	Lot Idn <b>1690</b>	Feet From the North/South line <b>NORTH</b>
		Feet From the East/West line <b>EAST</b>		County <b>EDDY</b>	
11 Bottom Hole Location If Different From Surface					
UL or lot no <b>E</b>	Section <b>4</b>	Township <b>20S</b>	Range <b>29E</b>	Lot Idn <b>1850</b>	Feet from the North/South line <b>NORTH</b>
		Feet from the East/West line <b>WEST</b>		County <b>EDDY</b>	
12 Dedicated Acres <b>656.12</b>	13 Joint or Infill	14 Consolidation Code	15 Order No <b>2100</b>		

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.

**16**

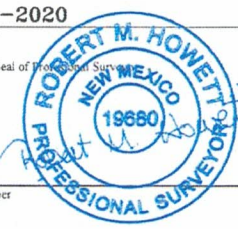
<p><b>GEODETIC DATA</b> NAD 83 GRID - NM EAST  SURFACE LOCATION N: 584038.4 - E: 627043.6  LAT: 32.6052652° N LONG: 104.0550081° W  BOTTOM HOLE N: 583899.9 - E: 616799.7  LAT: 32.6049537° N LONG: 104.0882752° W</p>	<p><b>CORNER DATA</b> NAD 83 GRID - NM EAST  A: FOUND BRASS CAP "1916" N: 580365.0 - E: 616706.0  B: FOUND BRASS CAP "1916" N: 583011.3 - E: 616701.2  C: FOUND BRASS CAP "1916" N: 585749.7 - E: 616696.7  D: FOUND BRASS CAP "1916" N: 585732.8 - E: 621973.1  E: FOUND BRASS CAP "1916" N: 585727.8 - E: 627288.2  F: FOUND BRASS CAP "1916" N: 583042.4 - E: 627290.7  G: FOUND BRASS CAP "1916" N: 580395.9 - E: 627283.8</p>	<p>H: FOUND BRASS CAP "1916" N: 580392.7 - E: 624633.9  I: FOUND BRASS CAP "1916" N: 580390.8 - E: 621985.4  J: FOUND BRASS CAP "1916" N: 580378.3 - E: 619346.4  K: FOUND BRASS CAP "1916" N: 583032.9 - E: 621979.1</p>
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**17 OPERATOR CERTIFICATION**  
*I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division*

Signature: \_\_\_\_\_  
Printed Name: \_\_\_\_\_  
E-mail Address: \_\_\_\_\_

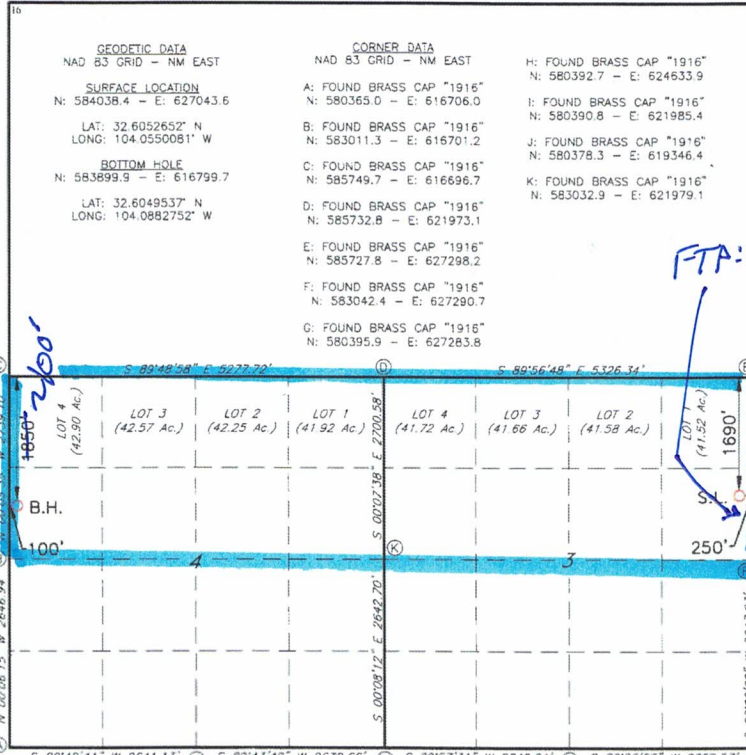
**18 SURVEYOR CERTIFICATION**  
*I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.*

**08-11-2020**  
Date of Survey

Signature and Seal of Professional Surveyor: 

**19680**  
Certificate Number

FTA: 2100' FNL + 100' FEL



LS20080352

Section Plat Judge 3/4 Fed Com #621H Judge 3/4 Fed Com #623H Sections 3 & 4, T26S, R29E	
Section 4	Section 8
Tract 4 NMNM-0209083	Tract 2 NMNM-059381 & NMNM-027801
Tract 3 NMNM-059382, NMNM-011607, NMNM-011962, & NMNM-058929	Tract 1 NMNM-027801

**Tract 1: S/2N/2 of Section 3-Fed Lease(s) NMNM-027801**

Mowbourn Oil Company  
COG Operating, LLC  
Great Western Drilling, Ltd  
WPX Energy Permian, LLC  
RKC, Inc.  
Rose Resources, LLC

**Tract 2: N/2N/2 of Section 3-Fed Lease(s) NMNM-059381 and NMNM-027801**

Mowbourn Oil Company  
ConocoPhillips Company

COG Operating, LLC  
WPX Energy Permian, LLC  
Diane Danish  
Sarah Schreiber  
Suzanne Schreiber

**Tract 3: S/2N/2 of Section 4-Fed Lease(s) NMNM-059382, NMNM-011607, NMNM-011962, and NMNM-058929**

Mowbourn Oil Company  
Magnum Hunter Production, Inc.  
Gahr Energy Company  
Mark L. Shidler, Inc.  
Durango Production Corporation  
Camtara Resources Partners, Ltd.  
Dalton H. Cobb, Jr.  
WPX Energy Permian, LLC  
Axis Energy Corporation  
Vrooman Energy, L.L.C.  
Rick and Dee Ann Carlisle  
Eric Chaney Croft and Elizabeth Ann Williamson, Co-Trustees of the Charla Geraldine Williamson Trust  
Giles Energy, Inc.  
Finley Production Co., LP  
Grasslands Energy LP  
RKC, Inc.  
Estate of Ralph E. Williamson  
Sara Elizabeth Baker and Anthony M. Baker Trust  
Northern Oil & Gas, Inc.  
Rose Resources, LLC  
Valia Elaine Barnes  
Christine B. Motyka  
Julie Ellen Barnes  
TTCZ Properties, LLC  
BEXP II Alpha, LLC  
BEXP II Omega, LLC  
C-W Flow, LLC

**Tract 4: N/2N/2 of Section 4-Fed Lease(s) NMNM-0209083**

Mowbourn Oil Company  
Magnum Hunter Production, Inc.  
Gahr Energy Company  
Mark L. Shidler, Inc.  
Camtara Resources Partners, Ltd.  
WPX Energy Permian, LLC  
Axis Energy Corporation  
Vrooman Energy, L.L.C.  
Rick and Dee Ann Carlisle  
Veronica Olson Continuation Trust

Eric Chaney Croft and Elizabeth Ann Williamson, Co-Trustees of the Charla Geraldine Williamson Trust  
Giles Energy, Inc.  
Finley Production Co., LP  
Grasslands Energy LP  
RKC, Inc.  
Rose Resources, LLC  
Dalton H. Cobb, Jr.

Ann E. Creamer, Trustee of the Dean Family Trust established under the will of Hal Stone Dean, deceased  
Durango Production Corporation  
Estate of Ralph E. Williamson

**RECAPITULATION FOR JUDGE 3/4 FED COM #621H & JUDGE 3/4 FED COM #623H**

	Number of Acres Committed	Percentage of Interest in Communitized Area
1	160	24.38513%
2	166.48	25.37141%
3	160	24.385783%
4	169.64	25.855027%
<b>TOTAL</b>	<b>656.12</b>	<b>100.000000%</b>

EXHIBIT 2.B

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**TRACT OWNERSHIP**  
 Judge 3/4 Fed Com #621H  
 &  
 Judge 3/4 Fed Com #623H  
 N/2 of Section 3 and N/2 of Section 4, T20S, R29E, Eddy County, New Mexico

**Bone Spring Formation:**

Owner	% of Leasehold Interest
Mowbourne Oil Company, et al	98.59034%
WFX Energy Permian, LLC	0.578349%
Diane Densh	0.018502%
Sarah Schreiber	0.006167%
Suzanne Schreiber	0.006167%
Veronica Olson Continuation Trust	0.179093%
Eric Chaney Croff and Elizabeth Ann Williamson, Co-Trustees of the Charla Geraldine Williamson Trust	0.294343%
Finley Production Co., LP	0.200169%
Sara Elizabeth Baker and Anthony M. Baker Trust	0.046921%
C-W Flow, LLC	0.071555%
<b>TOTAL</b>	<b>100.000000%</b>
<b>Total Interest Being Pooled:</b>	<b>1.401966%</b>

**OWNERSHIP BY TRACT:**

S/N/2 of Section 3	% of Leasehold Interest
<b>Owner</b>	
Mowbourne Oil Company, et al	99.503082%
WFX Energy Permian, LLC	0.496918%
<b>TOTAL</b>	<b>100.000000%</b>
<b>N/2/N/2 of Section 3</b>	
<b>Owner</b>	
Mowbourne Oil Company, et al	99.704838%
WFX Energy Permian, LLC	0.173631%
Diane Densh	0.022919%
Sarah Schreiber	0.024306%
Suzanne Schreiber	0.024306%
<b>TOTAL</b>	<b>100.000000%</b>
<b>N/2/N/2 of Section 4</b>	
<b>Owner</b>	
Mowbourne Oil Company, et al	97.4993730%
WFX Energy Permian, LLC	0.8222700%
Veronica Olson Continuation Trust	0.6926800%
Eric Chaney Croff and Elizabeth Ann Williamson, Co-Trustees of the Charla Geraldine Williamson Trust	0.003666
Finley Production Co., LP	0.3998170%
<b>TOTAL</b>	<b>100.000000%</b>
<b>S/2/N/2 of Section 4</b>	
<b>Owner</b>	
Mowbourne Oil Company, et al	97.706213%
WFX Energy Permian, LLC	0.822270%
Eric Chaney Croff and Elizabeth Ann Williamson, Co-Trustees of the Charla Geraldine Williamson Trust	0.586660%
Finley Production Co., LP	0.398817%
Sara Elizabeth Baker and Anthony M. Baker Trust	0.192410%
C-W Flow, LLC	0.293430%
<b>TOTAL</b>	<b>100.000000%</b>



**Summary of Communications**  
**Judge 3/4 Fed Com #621H**  
**Judge 3/4 Fed Com #623H**  
**Sections 3 and 4, T20S, R29E**  
**Eddy County, New Mexico**

**3/29/2021 & 9/29/2022:** Mailed a Working Interest Unit and Well Proposal to the below listed parties. Utilized Accurant, Enverus/Drilling Info, in house files, and Google searches in an effort to locate the below mentioned parties. Delivery receipts are attached in the pooling exhibits.

**4/30/2024:** Mailed all parties updated proposals for the Judge 3/4 Fed Com #621H and #623H. Delivery receipts are attached in the pooling exhibits.

- **WPX Energy Permian, LLC**
  - 12/5/2022: Email and Phone correspondence with the above listed party regarding the Well Proposal and Working interest unit.
  - 1/4/2023: Email correspondence with the above listed party regarding the Well Proposal and Working interest unit.
  - 3/15/2023: Email correspondence with the above listed party regarding the Well Proposal and Working interest unit.
  - 5/16/2023: Email correspondence with the above listed party regarding the Well Proposal and Working interest unit.
  - 5/24/2023: Email correspondence with the above listed party regarding the Well Proposal and Working interest unit.
  - 4/4/2024: Email correspondence with the above listed party regarding the Well Proposal and Working interest unit.
  - 6/11/2024: Email correspondence with the above listed party regarding the Well Proposal and Working interest unit.
- **Eric Chancy Croft and Elizabeth Ann Williamson, co-Trustees of the Charla Geraldine Williamson Trust**
- **C-W Flow, LLC**
  - 8/2/2021: Email correspondence with the above listed party regarding the Well Proposal and Working interest unit.
  - 12/7/2022: Email correspondence with the above listed party regarding the Well Proposal and Working interest unit.
  - 12/20/2022: Emailed new proposal packet per parties' request.
  - 1/3/2023: Email correspondence with the above listed party regarding the Well Proposal and Working interest unit.
  - 6/8/2023: Email correspondence with the above listed party regarding the Well Proposal and Working interest unit.
  - 6/11/2024: Email correspondence with the above listed party regarding the Well Proposal and Working interest unit.

EXHIBIT 2.C

- **Veronica Olson Continuation Trust**  
6/8/2023: Phone correspondence left a Voicemail.  
4/10/2024: Phone correspondence with the above listed party regarding the Well Proposal and Working interest unit.
  
- **Finley Production Co, LP**  
9/8/2021: Email correspondence with the above listed party regarding the Well Proposal and Working interest unit.  
9/13/2021: Email correspondence with the above listed party regarding the Well Proposal and Working interest unit.  
10/14/2022: Email correspondence with the above listed party regarding the Well Proposal and Working interest unit.  
5/18/2023: Email correspondence with the above listed party regarding the Well Proposal and Working interest unit.  
6/8/2023: Email correspondence with the above listed party regarding the Well Proposal and Working interest unit.  
6/11/2024: Email correspondence with the above listed party regarding the Well Proposal and Working interest unit.
  
- **Sara Elizabeth Baker and Anthony M. Baker Trust**  
10/18/2022: Email correspondence with the above listed party regarding the Well Proposal and Working interest unit.  
4/24/2023: Email correspondence with the above listed party regarding the Well Proposal and Working interest unit.  
5/18/2023: Email correspondence with the above listed party regarding the Well Proposal and Working interest unit.  
5/24/2023: Email correspondence with the above listed party regarding the Well Proposal and Working interest unit.  
9/25/2023: Email correspondence with the above listed party regarding the Well Proposal and Working interest unit.  
10/6/2022: Sent new proposal package via certified mail.
  
- **Sarah Schreiber**
- **Suzanne Schreiber**  
6/8/2023: Phone correspondence with the above listed party regarding the Well Proposal and Working interest unit, left a voicemail.
  
- **Diane Denish**  
11/18/2022: Phone correspondence with the above listed party regarding the Well Proposal and Working interest unit.

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MEWBOURNE OIL COMPANY

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

TELEPHONE (432) 682-3715

September 28, 2022

Via Certified Mail

«Owners»

«Address\_Line\_1» «Address\_Line\_2»

«City», «State» «Zip\_Code»

«Attn»

Re: Judge 3/4 B3AD Fed Com #1H  
1660' FNL & 250' FEL (Section 3)  
500' FNL & 100' FWL (Section 4)

Judge 3/4 B3HE Fed Com #1H  
1690' FNL & 250' FEL (Section 3)  
1850' FNL & 100' FWL (Section 4)

Judge 3/4 B3IL Fed Com #1H  
1125' FSL & 250' FEL (Section 3)  
1850' FSL & 100' FWL (Section 4)

Judge 3/4 B3PM Fed Com #1H  
1095' FSL & 250' FEL (Section 3)  
500' FSL & 100' FWL (Section 4)

Sections 3 & 4, T20S, R29E  
Eddy County, New Mexico

Ladies and Gentlemen,

Mewbourne Oil Company ("Mewbourne") as Operator hereby proposes to form a 1296.12 acre Working Interest Unit ("WIU") covering the All of the captioned Sections 3 & 4 for oil and gas production. The targeted interval for the proposed unit is the Bone Spring formation.

Mewbourne as Operator hereby proposes to drill the captioned Judge 3/4 B3AD Fed Com #1H well at the above referenced surface location (SL) to the referenced bottom hole location (BHL). The proposed well will be drilled to an approximate true vertical depth (TVD) of 9,110 feet subsurface to evaluate the Third Bone Spring Sand Formation. The proposed well will have a measured depth (MD) of approximately 19,268 feet. The N/2N/2 of the captioned Sections 3 & 4 will be dedicated to the well as the proration unit.

In addition, Mewbourne as Operator hereby proposes to drill the captioned Judge 3/4 B3HE Fed Com #1H well at the above referenced surface location (SL) to the referenced bottom hole location (BHL). The proposed well will be drilled to an approximate true vertical depth (TVD) of 9,126 feet subsurface to evaluate the Third Bone Spring Sand Formation. The proposed well will have a measured depth (MD) of approximately 19,224 feet. The S/2N/2 of the captioned Sections 3 & 4 will be dedicated to the well as the proration unit.

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In addition, Mewbourne as Operator hereby proposes to drill the captioned Judge 3/4 B3IL Fed Com #1H well at the above referenced surface location (SL) to the referenced bottom hole location (BHL). The proposed well will be drilled to an approximate true vertical depth (TVD) of 9,152 feet subsurface to evaluate the Third Bone Spring Sand Formation. The proposed well will have a measured depth (MD) of approximately 19,291 feet. The N/2S/2 of the captioned Sections 3 & 4 will be dedicated to the well as the proration unit.

Finally, Mewbourne as Operator hereby proposes to drill the captioned Judge 3/4 B3PM Fed Com #1H well at the above referenced surface location (SL) to the referenced bottom hole location (BHL). The proposed well will be drilled to an approximate true vertical depth (TVD) of 9,171 feet subsurface to evaluate the Third Bone Spring Sand Formation. The proposed well will have a measured depth (MD) of approximately 19,300 feet. The S/2S/2 of the captioned Sections 3 & 4 will be dedicated to the well as the proration unit.

Regarding the above, enclosed for your further handling is our Operating Agreement dated September 1, 2022, along with an extra set of signature pages and our AFEs dated September 23 & 26, 2022, for the captioned proposed wells. Please sign and return said AFEs and extra set of signature pages at your earliest convenience if you elect to participate in the captioned wells and WIU and return to me within thirty (30) days.

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

Sincerely,

**MEWBOURNE OIL COMPANY**

  
Braxton Blandford  
Landman

17

**MEWBOURNE OIL COMPANY**  
FASKEN CENTER  
500 WEST TEXAS, SUITE 1020  
MIDLAND, TX 79701  
TELEPHONE (432) 682-3715



April 30, 2024

Via Certified Mail

Finley Production Co., LP  
P.O. Box 2200  
Fort Worth, TX 76113  
Attn: Land Department

Re: Judge 3/4 Fed Com #621H  
1660' FNL & 250' FEL (Section 3)  
500' FNL & 100' FWL (Section 4)

Judge 3/4 Fed Com #623H  
1690' FNL & 250' FEL (Section 3)  
1850' FNL & 100' FWL (Section 4)

Sections 3 & 4, T20S, R29E  
Eddy County, New Mexico

Ladies and Gentlemen,

Mewbourne Oil Company ("Mewbourne") as Operator hereby proposes to drill the captioned Judge 3/4 Fed Com #621H well at the above referenced surface location (SL) to the referenced bottom hole location (BHL). The proposed well will be drilled to an approximate true vertical depth (TVD) of 9,443 feet subsurface to evaluate the Third Bone Spring Sand Formation. The proposed well will have a measured depth (MD) of approximately 19,520 feet. The N/2 of the captioned Sections 3 & 4 will be dedicated to the well as the proration unit.

In addition, Mewbourne as Operator hereby proposes to drill the captioned Judge 3/4 Fed Com #623H well at the above referenced surface location (SL) to the referenced bottom hole location (BHL). The proposed well will be drilled to an approximate true vertical depth (TVD) of 9,256 feet subsurface to evaluate the Third Bone Spring Sand Formation. The proposed well will have a measured depth (MD) of approximately 19,502 feet. The N/2 of the captioned Sections 3 & 4 will be dedicated to the well as the proration unit.

Regarding the above, enclosed for your further handling are our AFEs dated April 16, 2024, for the captioned proposed wells. Please sign and return said at your earliest convenience if you elect to participate in the captioned wells and WIU and return to me within thirty (30) days. Should you elect to participate, I will send a copy of our Joint Operating Agreement ("JOA") under a separate cover letter. Our proposed Operating Agreement will have COPAS rates of \$8,000/month while drilling, \$800/month for a producing well.

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

Sincerely,

**MEWBOURNE OIL COMPANY**



Braxton Blandford  
Landman



**MEWBOURNE OIL COMPANY**  
AUTHORIZATION FOR EXPENDITURE

<b>Well Name:</b> JUDGE 3/4 FED COM #621H (B3AD)		<b>Prospect:</b> COLT 4 / SHARPS 3	
<b>Location:</b> SL: 1660 FNL & 250 FEL (3); BHL: 500 FNL & 100 FWL (4)		<b>County:</b> Eddy <b>ST:</b> NM	
<b>Sec.:</b> 3	<b>Blk.:</b>	<b>Survey:</b>	<b>TWP:</b> 20S <b>RNG:</b> 29E <b>Prop. TVD:</b> 9443 <b>TMD:</b> 19520

INTANGIBLE COSTS 0180		CODE	TCP	CODE	CC
Regulatory Permits & Surveys		0180-0100	\$20,000	0180-0200	
Location / Road / Site / Preparation		0180-0105	\$100,000	0180-0205	\$35,000
Location / Restoration		0180-0106	\$200,000	0180-0206	\$80,000
Daywork / Turnkey / Footage Drilling 18 days drlg / 3 days comp @ \$28000/d		0180-0110	\$538,300	0180-0210	\$89,700
Fuel 1700 gal/day @ \$3.9/gal		0180-0114	\$127,500	0180-0214	\$202,000
Alternate Fuels		0180-0115		0180-0215	\$72,000
Mud, Chemical & Additives		0180-0120	\$60,000	0180-0220	
Mud - Specialized		0180-0121	\$285,000	0180-0221	
Horizontal Drillout Services				0180-0222	\$200,000
Stimulation Toe Preparation				0180-0223	\$25,000
Cementing		0180-0125	\$210,000	0180-0225	\$55,000
Logging & Wireline Services		0180-0130	\$40,000	0180-0230	\$305,000
Casing / Tubing / Snubbing Services		0180-0134	\$40,000	0180-0234	\$16,000
Mud Logging		0180-0137	\$15,000		
Stimulation 51 Stg 20.2 MM gal / 20.2 MM lb				0180-0241	\$2,279,000
Stimulation Rentals & Other				0180-0242	\$232,000
Water & Other 100% PW @ \$0.25/bbl f/ PWMS		0180-0145	\$35,000	0180-0245	\$129,000
Bits		0180-0148	\$85,400	0180-0248	
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	\$65,000
Welding, Construction & Maint. Services		0180-0168	\$4,000	0180-0268	\$16,500
Contract Services & Supervision		0180-0170	\$119,700	0180-0270	\$65,000
Directional Services Includes Vertical Control		0180-0175	\$285,000		
Equipment Rental		0180-0180	\$130,700	0180-0280	\$120,000
Well / Lease Legal		0180-0184	\$5,000	0180-0284	
Well / Lease Insurance		0180-0185	\$5,100	0180-0285	
Intangible Supplies		0180-0188	\$7,000	0180-0288	\$1,000
Damages		0180-0190	\$150,000	0180-0290	\$1,000
Pipeline Interconnect. ROW Easements		0180-0192		0180-0292	\$10,000
Company Supervision		0180-0195	\$75,600	0180-0295	\$36,000
Overhead Fixed Rate		0180-0196	\$10,000	0180-0296	\$20,000
Contingencies 5% (TCP) 5% (CC)		0180-0199	\$139,500	0180-0299	\$205,200
<b>TOTAL</b>			<b>\$2,929,800</b>		<b>\$4,308,900</b>

TANGIBLE COSTS 0181		CODE	TCP	CODE	CC
Casing (19.1" - 30") 335' - 20" 94# J-55 BTC @ \$106.37/ft		0181-0793	\$38,100		
Casing (10.1" - 19.0") 1485' - 13 3/8" 54.5# J-55 ST&C @ \$47.92/ft		0181-0794	\$76,000		
Casing (8.1" - 10.0") 3460' - 9 5/8" 40# HCL80 LT&C @ \$38.51/ft		0181-0795	\$142,300		
Casing (6.1" - 8.0") 9706' - 7" 29# HPP110 BT&C @ \$34.18/ft		0181-0796	\$354,300		
Casing (4.1" - 6.0") 10800' - 4 1/2" 13.5# HCP-110 CDC-HTQ @ \$19.44/ft				0181-0797	\$224,200
Tubing 8700' - 3 1/2" 9.2# L-80 IPC Tbg @ \$13.75/ft				0181-0798	\$127,800
Drilling Head		0181-0860	\$50,000		
Tubing Head & Upper Section				0181-0870	\$30,000
Horizontal Completion Tools				0181-0871	
Subsurface Equip. & Artificial Lift				0181-0880	\$40,000
Service Pumps (1/4) TP/CP/Circ pump				0181-0886	\$7,000
Storage Tanks (1/4) (B)OT/(6)WT/(2)GB				0181-0890	\$145,000
Emissions Control Equipment (1/4) (4)VRT/(2)VRU/(1)FLARE/(3)KO/(1)AIR				0181-0892	\$115,000
Separation / Treating Equipment (1/4) (4)TEST H SEP 500#/(2)V SEP 500#/(4)VHT				0181-0895	\$95,000
Automation Metering Equipment				0181-0898	\$104,000
Oil/Gas Pipeline-Pipe/Valves&Misc				0181-0900	\$80,000
Water Pipeline-Pipe/Valves & Misc				0181-0901	\$42,000
On-site Valves/Fittings/Lines&Misc				0181-0906	\$209,000
Wellhead Flowlines - Construction				0181-0907	\$79,000
Cathodic Protection				0181-0908	
Electrical Installation				0181-0909	\$265,000
Equipment Installation				0181-0910	\$97,000
Oil/Gas Pipeline - Construction				0181-0920	\$151,000
Water Pipeline - Construction				0181-0921	\$43,000
<b>TOTAL</b>			<b>\$660,700</b>		<b>\$1,854,000</b>
<b>SUBTOTAL</b>			<b>\$3,590,500</b>		<b>\$6,162,900</b>
<b>TOTAL WELL COST</b>			<b>\$9,753,400</b>		

Insurance procured for the Joint Account by Operator

**Opt-in** I elect to be covered by Operator's Extra Expense, Commercial General Liability, Pollution Legal Liability, and Excess Umbrella Insurance Policies, and will pay my proportionate share of the premiums associated with these insurance coverages through joint account billings.

**Opt-out** I elect to purchase my own policies for my control and other insurance requirements, or to self-insure (if applicable). By opting out, I acknowledge I will be responsible for my own coverage and will not be afforded protection under operator's policies.

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

Joint owner agrees that item 0180-0245 will be provided by operator, if available, at the specified rate. Operator reserves the right to adjust the rate due to a change in market conditions.

Prepared by: <u>Ryan McDaniel</u>	Date: <u>4/16/2024</u>
Company Approval: <u>M. Whittle</u>	Date: <u>4/17/2024</u>
Joint Owner Interest: _____ Amount: _____	Signature: _____

EXHIBIT 2-D



**MEWBOURNE OIL COMPANY**  
AUTHORIZATION FOR EXPENDITURE

<b>Well Name:</b> JUDGE 3/4 FED COM #623H (B3HE)		<b>Prospect:</b> COLT 4 / SHARPS 3	
<b>Location:</b> SL: 1690 FNL & 250 FEL (3); BHL: 1850 FNL & 100 FWL (4)		<b>County:</b> Eddy <b>ST:</b> NM	
<b>Sec:</b> 3	<b>Blk:</b>	<b>Survey:</b>	<b>TWP:</b> 20S <b>RNG:</b> 29E <b>Prop. TVD:</b> 9256 <b>TMD:</b> 19502

INTANGIBLE COSTS 0180		CODE	TCP	CODE	CC
Regulatory Permits & Surveys					
Location / Road / Site / Preparation					
Location / Restoration					
Daywork / Turnkey / Footage Drilling 18 days drlg / 3 days comp @ \$28000/d					
Fuel 1700 gal/day @ \$3.9/gal					
Alternate Fuels					
Mud, Chemical & Additives					
Mud - Specialized					
Horizontal Drilling Services					
Stimulation Toe Preparation					
Cementing					
Logging & Wireline Services					
Casing / Tubing / Snubbing Services					
Mud Logging					
Stimulation 51 Stg 20.2 MM gal / 20.2 MM lb					
Stimulation Rentals & Other					
Water & Other 100% PW @ \$0.25/bbl f/ PWMS					
Bits					
Inspection & Repair Services					
Misc. Air & Pumping Services					
Testing & Flowback Services					
Completion / Workover Rig					
Rig Mobilization					
Transportation					
Welding, Construction & Maint. Services					
Contract Services & Supervision					
Directional Services Includes Vertical Control					
Equipment Rental					
Well / Lease Legal					
Well / Lease Insurance					
Intangible Supplies					
Damages					
Pipeline Interconnect, ROW Easements					
Company Supervision					
Overhead Fixed Rate					
Contingencies 5% (TCP) 5% (CC)					
<b>TOTAL</b>			<b>\$2,929,800</b>		<b>\$4,308,900</b>

TANGIBLE COSTS 0181		CODE	TCP	CODE	CC
Casing (19.1" - 30") 335' - 20" 94# J-55 BTC @ \$106.37/ft					
Casing (10.1" - 19.0") 1485' - 13 3/8" 54.5# J-55 ST&C @ \$47.92/ft					
Casing (8.1" - 10.0") 3460' - 9 5/8" 40# HCL80 LT&C @ \$38.51/ft					
Casing (6.1" - 8.0") 9706' - 7" 29# HPP110 BT&C @ \$34.18/ft					
Casing (4.1" - 6.0") 10900' - 4 1/2" 13.5# HCP-110 CDC-HTQ @ \$19.44/ft					
Tubing 8600' - 3 1/2" 9.2# L-80 IPC Tbg @ \$13.75/ft					
Drilling Head					
Tubing Head & Upper Section					
Horizontal Completion Tools					
Subsurface Equip. & Artificial Lift					
Service Pumps (1/4) TP/CP/Circ pump					
Storage Tanks (1/4) (6)OT/(6)WT/(2)GB					
Emissions Control Equipment (1/4) (4)VRT/(2)VRU/(1)FLARE/(3)KQ/(1)AIR					
Separation / Treating Equipment (1/4) (4)TEST H SEP 500#/(2)V SEP 500#/(4)VHT					
Automation Metering Equipment					
Oil/Gas Pipeline-Pipe/Valves&Misc					
Water Pipeline-Pipe/Valves & Misc					
On-site Valves/Fittings/Lines&Misc					
Wellhead Flowlines - Construction					
Cathodic Protection					
Electrical Installation					
Equipment Installation					
Oil/Gas Pipeline - Construction					
Water Pipeline - Construction					
<b>TOTAL</b>			<b>\$660,700</b>		<b>\$1,854,600</b>
<b>SUBTOTAL</b>			<b>\$3,590,500</b>		<b>\$6,163,500</b>
<b>TOTAL WELL COST</b>			<b>\$9,754,000</b>		

**Insurance procured for the Joint Account by Operator**

**Opt-in** I elect to be covered by Operator's Extra Expense, Commercial General Liability, Pollution Legal Liability, and Excess/Umbrella Insurance Policies, and will pay my proportionate share of the premiums associated with these insurance coverages through joint account billings.

**Opt-out** I elect to purchase my own policies for well control and other insurance requirements, or to self-insure (if applicable). By opting-out, I recognize I will be responsible for my own coverage and will not be afforded protection under operator's policies.

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

Joint owner agrees that item 0180-0245 will be provided by operator, if available, at the specified rate. Operator reserves the right to adjust the rate due to a change in market conditions.

Prepared by: Ryan McDaniel Date: 4/16/2024

Company Approval: [Signature] Date: 4/17/2024

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

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

21

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

**APPLICATIONS OF MEWBOURNE OIL COMPANY  
FOR COMPULSORY POOLING, LEA COUNTY,  
NEW MEXICO.**

**Case No. 24553**

**SELF-AFFIRMED STATEMENT OF JUSTIN ROEDER**

Justin Roeder 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 these cases. I have been qualified by the Division as an expert petroleum geologist.
3. The following plats are attached hereto:
  - (a) Exhibit 3-A is an area locator plat.
  - (b) Exhibit 3-B is a structure map on the top of the Third Bone Spring Sand in the area around Sections 3 and 4, Township 20 South, Range 29 East, NMPM. It shows that structure dips gently to the southeast. It also shows existing and proposed Third Bone Spring wells in the area. They also show a west-east line of cross-section.
  - (c) Exhibit 3-C is a west-east cross section of the Third Bone Spring Shale. The logs on the cross-section give a representative sample of the Third Bone Spring Shale in this area. The zone is continuous and of relatively uniform thickness across the well units.
4. I conclude from the maps that:
  - (a) The proposed horizontal Bone Spring 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 from the wells.
  - (d) There is no faulting or other geologic impediment in the area which will affect the drilling of the subject wells.

EXHIBIT 3

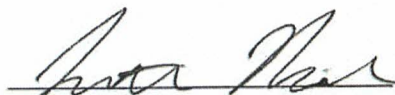


5. All Third Bone Spring Sand wells drilled in this area show laydown well units are preferred.

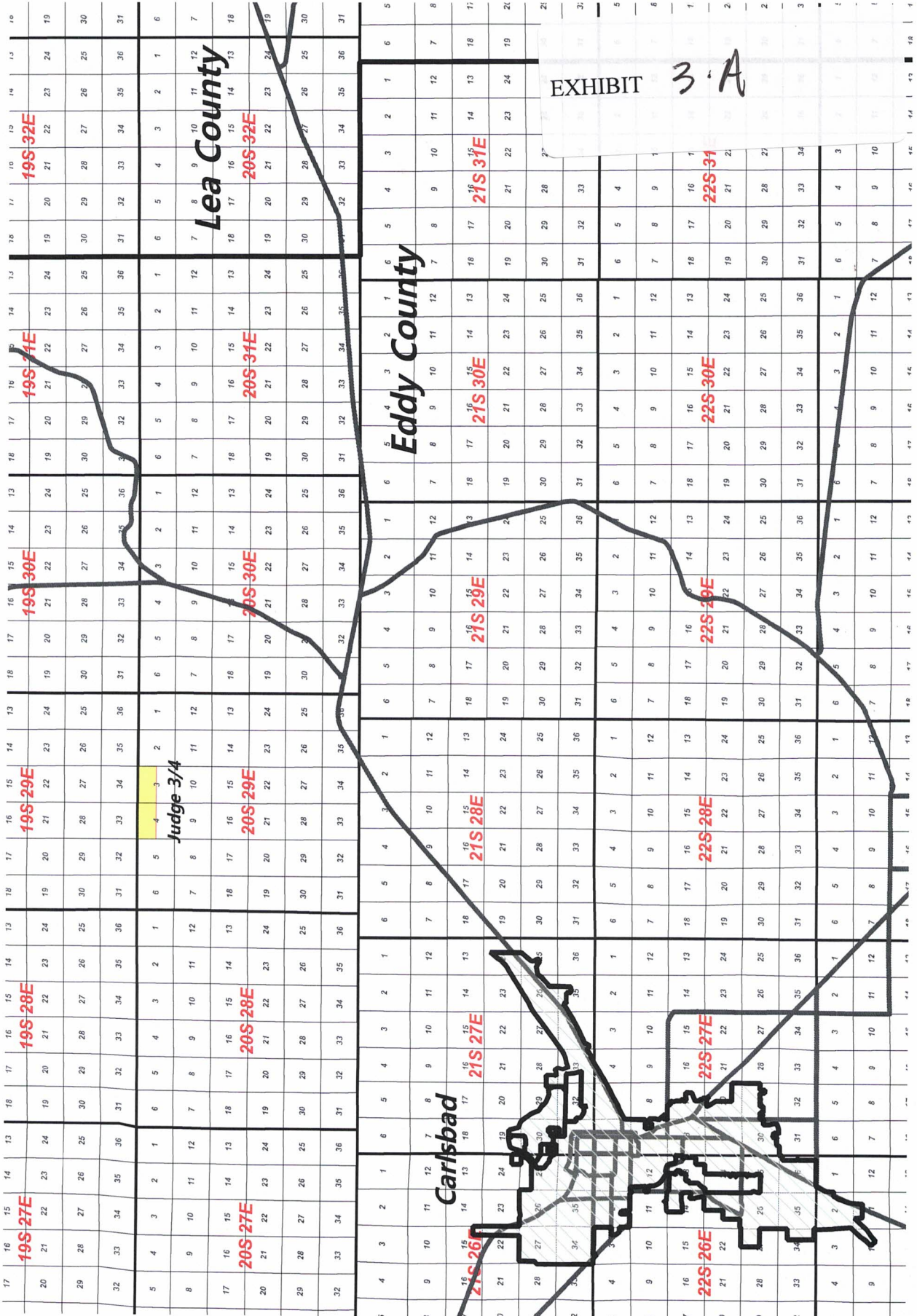
6. Exhibit 3-D contains the horizontal drilling plans for the subject wells. The well locations are orthodox.

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.

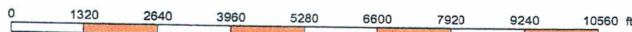
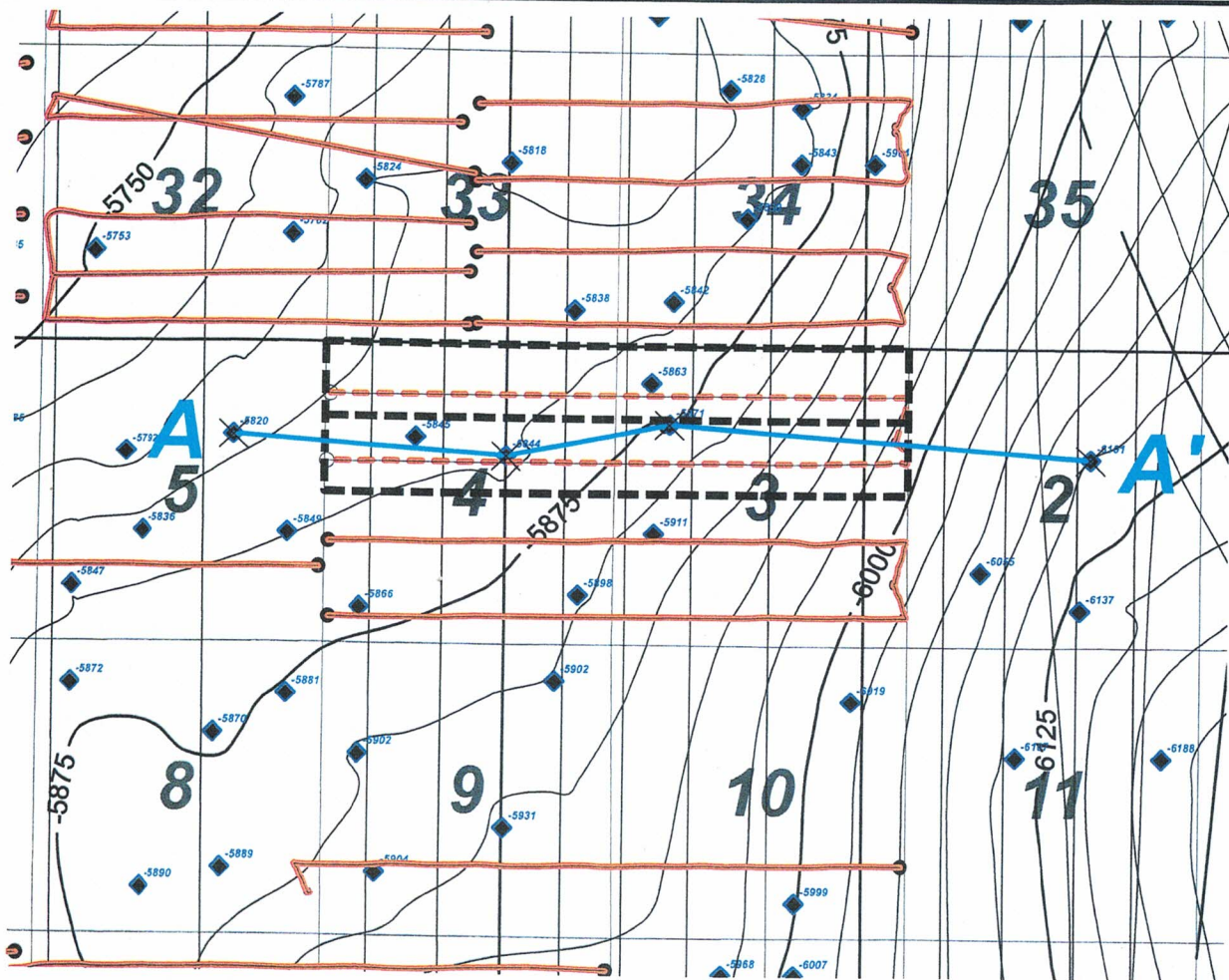
Date: 6/19/2024

  
Justin Roeder

23



24



——— 3<sup>rd</sup> Sand Horizontal  
- - - - - Proposed Wells

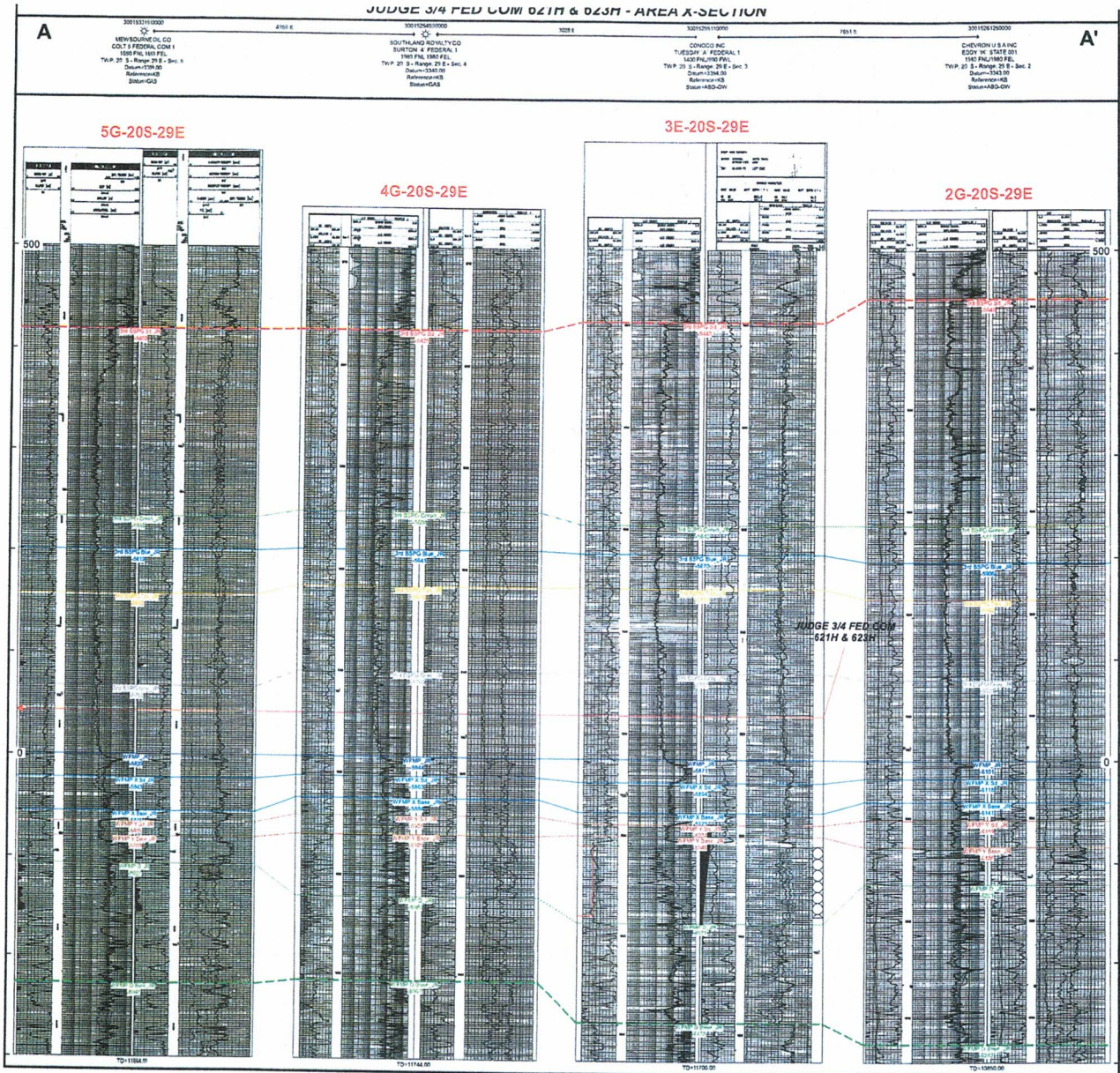
<b>MOC Mewbourne Oil Company</b>		
<b>Judge 3/4 Fed Com 621H &amp; 623H</b> 3 <sup>rd</sup> Bone Spring Sand Horizontal Well Activity Top of Wolfcamp Sub-Sea Structure		
J. Roeder	5/1/2024	2" Contour Interval
Hobby County	New Mexico	1-205-291

EXHIBIT 3-B

25



EXHIBIT 3.C



26



True North: -0.15°  
Magnetic North: 6.70°  
Magnetic Field Strength: 47465.9nT  
Dip Angle: 60.20°  
Date: 4/30/2024  
Model: HDGM/2024

GL @ 3316.00 Well @ 3344.00usft (Patterson 263)  
Northing 584038.40 Easting 627043.60 Latitude 32.605265 Longitude -104.055008

Company: Mewbourne Oil Company  
Well: Judge 3-4 Fed Com #623H  
County: Eddy County, New Mexico (NAD 83)  
Rig: Patterson 263  
Wellbore: Wellbore #1  
Design: Design #2  
Date: 11:46, May 08 2024



To convert a Magnetic Direction to a Grid Direction, Add 6.700°  
To convert a Magnetic Direction to a True Direction, Add 6.850° East  
To convert a True Direction to a Grid Direction, Subtract 0.150°

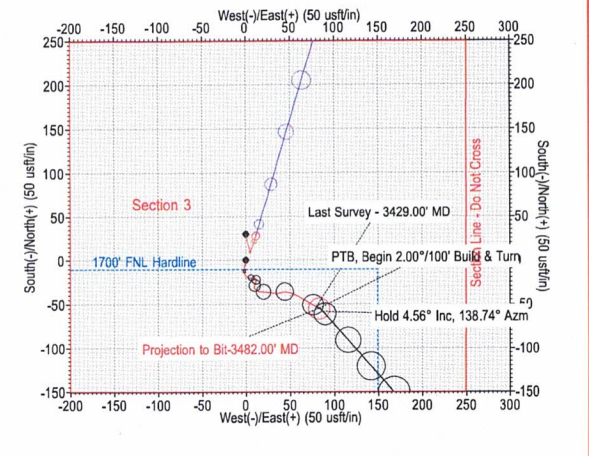
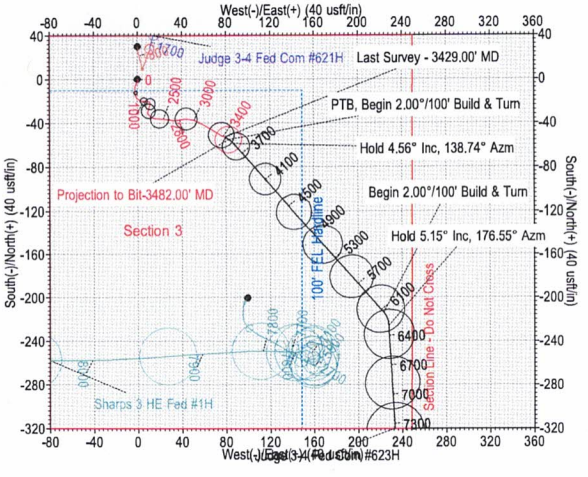
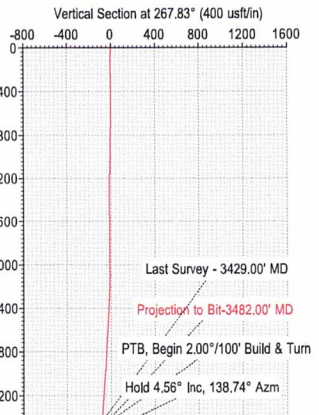
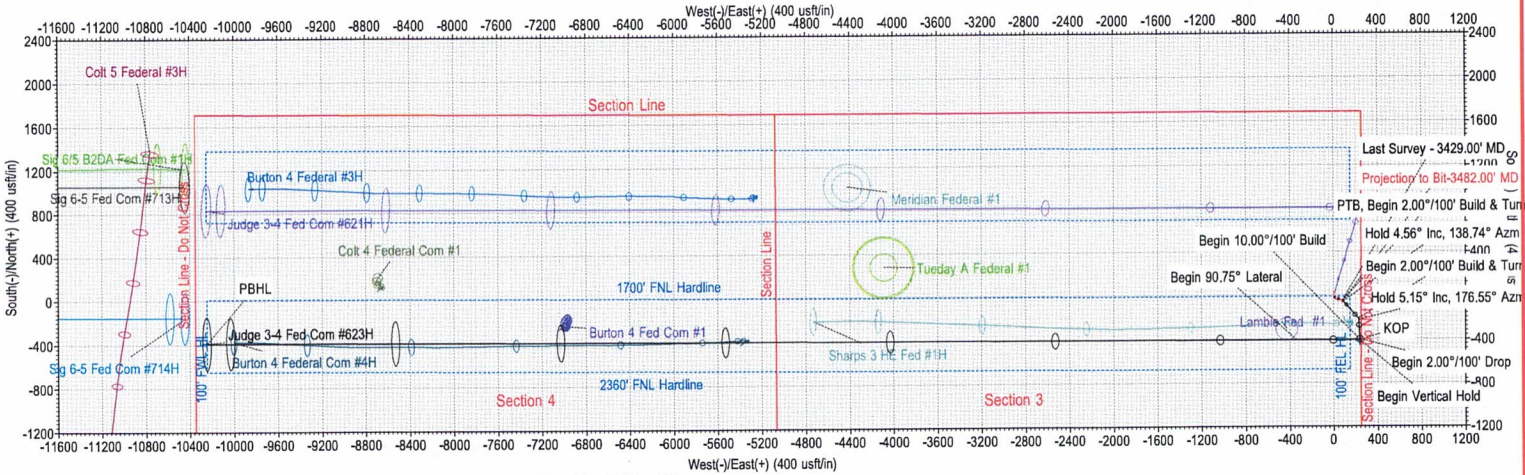
Geodetic System: US State Plane 1983  
Datum: North American Datum 1983  
Ellipsoid: GRS 1980  
Zone: New Mexico Eastern Zone  
System Datum: Mean Sea Level

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
KOP v2 - Judge 3-4 Fed Com #623H	8483.09	-410.59	238.73	583627.81	627282.33	32.604135	-104.054236
PBHL v2 - Judge 3-4 Fed Com #623H	9126.00	-389.00	-10243.40	583649.40	616800.20	32.604265	-104.088275

SURVEY PROGRAM

Depth From	Depth To	Survey/Plan	Tool
157.00	3429.00	MS MWD (Wellbore #1)	MWD+HRGM
3429.00	19513.30	Design #2 (Wellbore #1)	MWD+HRGM



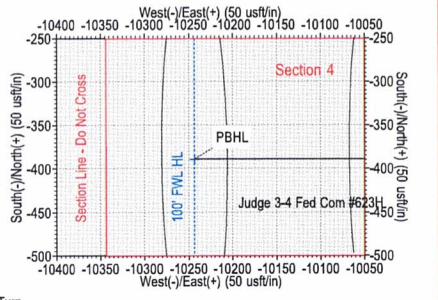
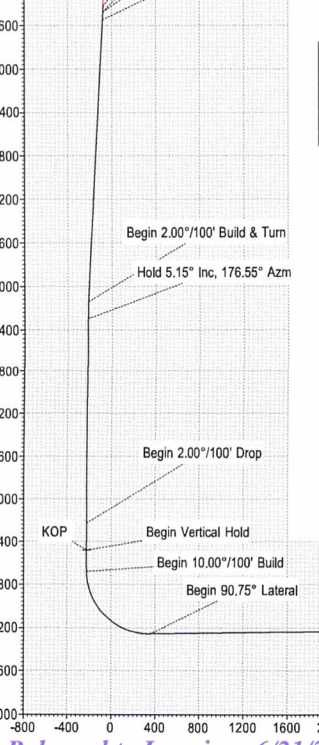
Judge 3-4 Fed Com #623H  
SHL: 1690' FNL & 250' FEL  
PBHL: 2100' FNL & 100' FWL

1700' FNL Hardline  
2360' FNL Hardline  
100' FEL & 100' FWL

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Annotation
3429.00	4.35	121.10	3426.12	-52.88	79.17	0.00	0.000	-77.11	Last Survey - 3429.00' MD
3482.00	4.35	121.10	3478.97	-54.96	82.61	0.00	0.000	-80.47	PTB, Begin 2.00''/100' Build & Turn
3551.03	4.56	138.74	3547.79	-58.37	86.67	2.00	90.148	-84.39	Hold 4.56° Inc, 138.74° Azm
6151.03	4.56	138.74	6139.56	-213.76	222.99	0.00	0.000	-214.71	Begin 2.00''/100' Build & Turn
6310.62	5.15	176.55	6298.61	-225.68	227.60	2.00	98.785	-218.87	Hold 5.15° Inc, 176.55° Azm
8245.79	5.15	176.55	8225.98	-399.05	238.04	0.00	0.000	-222.73	Begin 2.00''/100' Drop
8503.25	0.00	0.00	8483.09	-410.59	238.73	2.00	180.000	-222.98	Begin Vertical Hold
8703.25	0.00	0.00	8683.09	-410.59	238.73	0.00	0.000	-222.98	Begin 10.00''/100' Build
9610.77	90.75	270.12	9256.00	-409.39	-341.74	10.00	270.118	357.03	Begin 90.75° Lateral
19513.30	90.75	270.12	9126.00	-389.00	-10243.40	0.00	0.000	10250.78	PBHL

EXHIBIT 3-D



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