

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

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

Case No. 21249

**MEWBOURNE OIL COMPANY'S
HEARING EXHIBITS**

Compulsory Pooling Checklist

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

Exhibit B Self-Affirmed Statement of Charles Crosby

B-1 General Location Map

B-2 Structure Map

B-3 Gross Isopach Map

B-4 Cross Section

B-5 Production Table

B-6 Well Planning Report

COMPULSORY POOLING APPLICATION CHECKLIST (pdf)

ALL INFORMATION IN THE APPLICATION MUST BE SUPPORTED BY SIGNED AFFIDAVITS

Case: #21249	APPLICANT'S RESPONSE
Date: May 12, 2020	
Applicant	Mewbourne Oil Company
Designated Operator & OGRID (affiliation if applicable)	Mewbourne Oil Company, 14744
Applicant's Counsel:	Hinkle Shanor LLP, Dana S. Hardy
Case Title:	APPLICATION OF MEWBOURNE OIL COMPANY FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO
Entries of Appearance/Intervenors:	XTO Energy, Inc.
Well Family	Winterfell
Formation/Pool	
Formation Name(s) or Vertical Extent:	Bone Spring Formation
Primary Product (Oil or Gas):	Oil
Pooling this vertical extent:	Bone Spring Formation
Pool Name and Pool Code:	Young Bone Spring North Pool, Code 65350
Well Location Setback Rules:	Standard Oil, 100' setback
Spacing Unit Size:	40 acres
Spacing Unit	
Type (Horizontal/Vertical)	Horizontal
Size (Acres)	240 acres
Building Blocks:	40 acres
Orientation:	East to West
Description: TRS/County	S/2SE/4 of Section 6-T18S-R32, Lea County S/2S/2 of Section 5-T18S-R32E, Lea County
Standard Horizontal Well Spacing Unit (Y/N), If No, describe	Yes
Other Situations	
Depth Severance: Y/N. If yes, description	No
Proximity Tracts: If yes, description	No
Proximity Defining Well: if yes, description	No
Applicant's Ownership in Each Tract	Exhibit A-6
Well(s)	
Name & API (if assigned), surface and bottom hole location, footages, completion target, orientation, completion status (standard or non-standard)	

Well #1	Winterfell 5/6 B2PO Fed Com #1H (API # unassigned); SHL: 1240' FSL & 455' FEL (Sec. 5); BHL: 500' FSL & 2539' FEL (Sec. 6); laydown; standard
Well #2	
Horizontal Well First and Last Take Points	FTP: 500' FSL & 100' FEL (Sec. 5); LTP: 500' FSL & 2540' FEL (Sec. 6)
Completion Target (Formation, TVD and MD)	Bone Spring Formation; TVD: 8,750'; MD: 16,429'
AFE Capex and Operating Costs	
Drilling Supervision/Month \$	\$8,000, Exhibit A
Production Supervision/Month \$	\$800, Exhibit A
Justification for Supervision Costs	Exhibit A
Requested Risk Charge	200%, Exhibit A
Notice of Hearing	
Proposed Notice of Hearing	Exhibit A-10
Proof of Mailed Notice of Hearing (20 days before hearing)	Exhibit A-11
Proof of Published Notice of Hearing (10 days before hearing)	Exhibit A-12
Ownership Determination	
Land Ownership Schematic of the Spacing Unit	Exhibit A-4
Tract List (including lease numbers and owners)	Exhibit A-4
Pooled Parties (including ownership type)	Exhibit A-6
Unlocatable Parties to be Pooled	N/A
Ownership Depth Severance (including percentage above & below)	N/A
Joinder	
Sample Copy of Proposal Letter	Exhibit A-7
List of Interest Owners (ie Exhibit A of JOA)	Exhibit A-9
Chronology of Contact with Non-Joined Working Interests	Exhibit A-8
Overhead Rates In Proposal Letter	Exhibits A, A-7

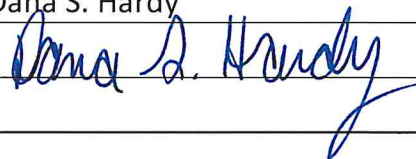
Cost Estimate to Drill and Complete	Exhibit A-13
Cost Estimate to Equip Well	Exhibit A-13
Cost Estimate for Production Facilities	Exhibit A-13
Geology	
Summary (including special considerations)	Exhibit B
Spacing Unit Schematic	Exhibits B-1, B-2
Gunbarrel/Lateral Trajectory Schematic	Exhibit B-6
Well Orientation (with rationale)	Exhibit B
Target Formation	Exhibit B
HSU Cross Section	Exhibit B-4
Depth Severance Discussion	Exhibit B
Forms, Figures and Tables	
C-102	Exhibit A-3
Tracts	Exhibit A-4
Summary of Interests, Unit Recapitulation (Tracts)	Exhibits A-4, A-5, A-6
General Location Map (including basin)	Exhibit B-1
Well Bore Location Map	Exhibits B-1, B-2
Structure Contour Map - Subsea Depth	Exhibit B-2
Cross Section Location Map (including wells)	Exhibit B-2
Cross Section (including Landing Zone)	Exhibit B-4
Additional Information	

CERTIFICATION: I hereby certify that the information provided in this checklist is complete and accurate.

Printed Name (Attorney or Party Representative):

Dana S. Hardy

Signed Name (Attorney or Party Representative):



Date:

12-May-20

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

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

Case No. 21249

**SELF-AFFIRMED STATEMENT OF
MITCH ROBB**

1. I am over 18 years of age and am competent to provide this Self-Affirmed Statement. I have personal knowledge of the matters addressed herein.

2. I am a landman for Mewbourne Oil Company ("Mewbourne"). I have had direct involvement with Mewbourne's development of the 240-acre, more or less, standard horizontal spacing unit ("HSU") that is the subject of Mewbourne's application in this case. A copy of the application is attached as Exhibit A-1.

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

A. Proposed Horizontal Spacing Unit

4. The proposed HSU is comprised of the S/2 SE/4 of Section 6 and the S/2 S/2 of Section 5, Township 18 South, Range 32 East in Lea County, New Mexico. A Midland Map depicting the proposed HSU is attached as Exhibit A-2.

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

6. The HSU will be dedicated to the Winterfell 5/6 B2PO Fed Com #1H well, which will be horizontally drilled from a surface location in Unit P in Section 5 to a bottom hole location in Unit O in Section 6.

Case No. 21249

**MEWBOURNE OIL
Exhibit A**

7. The first take point for the Winterfell 5/6 B2PO Fed Com #1H well is 500' FSL and 100' FEL in Section 5, and the last take point is 500' FSL and 2540' FEL in Section 6. The target interval is the Second Bone Spring Sand at 8,750' TVD and 16,429' TMD.

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

9. The proposed well is located in the Young Bone Spring North Pool, Code 65350. The primary product in the pool is oil. With respect to well setback requirements, this pool is subject to the statewide horizontal well rules set out in NMAC 19.15.16.15. Spacing in this pool is based on quarter-quarter sections, and the HSU is constructed based on quarter-quarter sections.

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

B. Ownership Determination

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

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

13. A list of the pooled parties is included in Exhibit A-6.

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

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

C. Joinder

16. I sent well proposal letters to the uncommitted interests on January 10, 2020. I subsequently had follow-up communications with them. My well proposal letter is attached as Exhibit A-7. A summary of my follow-up contacts with the uncommitted interests is attached as Exhibit A-8.

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

18. 53.913578% of the working interests are committed to the proposed well.

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

D. Notice of Hearing

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

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

22. Notice of Mewbourne's application and the Division hearing was published at least ten business days prior to the hearing date. The affidavit of publication is attached as Exhibit A-12.

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

E. Drilling and Operating Costs

24. The AFEs for the proposed well are attached as Exhibit A-13. The estimated cost of the well is fair and reasonable and is comparable to the cost of other wells of similar depth and length drilled in Lea County.

25. Mewbourne requests overhead and administrative rates of \$8,000 per month while the well is being drilled and \$800 per month while the well is producing. These rates are fair and are comparable to the rates charged by Mewbourne and by other operators in the vicinity. They are also the rates set forth in the Joint Operating Agreement for the HSU. Mewbourne further

requests that the rates be adjusted periodically in accordance with the COPAS Accounting Procedure.


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

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

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

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

30. I understand that this Self-Affirmed Statement will be used as written testimony in this case. I affirm that my testimony in paragraphs 1 through 29 above is true and correct and is made under penalty of perjury under the laws of the State of New Mexico. My testimony is made as of the date handwritten next to my signature below.


Mitch Robb

05/11/2020
Date

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

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

Case No. 21249

APPLICATION

Pursuant to NMSA § 70-2-17, Mewbourne Oil Company ("Mewbourne") applies for an order pooling all uncommitted mineral interests in the Bone Spring formation in a 240-acre, more or less, standard horizontal spacing unit comprised of the S/2 SE/4 of Section 6 and the S/2 S/2 of Section 5, Township 18 South, Range 32 East in Lea County, New Mexico. In support of its application, Mewbourne states the following.

1. Mewbourne (OGRID No. 14744) is a working interest owner in the proposed horizontal spacing unit and has the right to drill a well thereon.
2. The horizontal spacing unit will be dedicated to the Winterfell 5/6 B2PO Fed Com #1H well, which will be horizontally drilled from a surface location in Unit P in Section 5 to a bottom hole location in Unit O in Section 6.
3. The completed interval for the well will be orthodox.
4. Mewbourne has undertaken diligent, good-faith efforts to obtain voluntary agreements from all mineral interest owners to participate in the drilling of the well, but has been unable to obtain voluntary agreements from all of the mineral interest owners.
5. The pooling of all uncommitted mineral interests in the Bone Spring formation underlying the S/2 SE/4 of Section 6 and the S/2 S/2 of Section 5 will avoid the drilling of unnecessary wells, prevent waste, and protect correlative rights.

Case No. 21249

**MEWBOURNE OIL
Exhibit A-1**

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

WHEREFORE, Mewbourne requests that this application be set for hearing on May 14, 2020 and that, after notice and hearing, the Division enter an order:

A. Pooling all uncommitted mineral interests in the Bone Spring formation underlying the S/2 SE/4 of Section 6 and the S/2 S/2 of Section 5, Township 18 South, Range 32 East in Lea County;

B. Designating Mewbourne as the operator of the Winterfell 5/6 B2PO Fed Com #1H well;

C. Authorizing Mewbourne to recover its costs of drilling, equipping, and completing the Winterfell 5/6 B2PO Fed Com #1H well and allocating the costs among the well's working interest owners;

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

E. Imposing a 200% penalty for the risk assumed by Mewbourne in drilling and completing the Winterfell 5/6 B2PO Fed Com #1H well against any mineral interest owner who does not voluntarily participate in the drilling of the well.

Respectfully submitted,

HINKLE SHANOR LLP

/s/ Dana S. Hardy

Dana S. Hardy

Dioscoro “Andy” Blanco

P.O. Box 2068

Santa Fe, NM 87504-2068

Phone: (505) 982-4554

Facsimile: (505) 982-8623

dhardy@hinklelawfirm.com

dblanco@hinklelawfirm.com

Counsel for Mewbourne Oil Company

Case No. 21249

MEWBOURNE OIL
Exhibit A-3

Form C-102

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

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	³ Pool Name
⁴ Property Code	⁵ Property Name WINTERFELL 5/6 B2PO FED COM	
⁷ OGRID NO.	⁸ Operator Name MEWBOURNE OIL COMPANY	⁶ Well Number 1H
		⁹ Elevation 3832'

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
P	5	18S	32E		1240	SOUTH	455	EAST	LEA

¹¹ Bottom Hole Location If Different From Surface

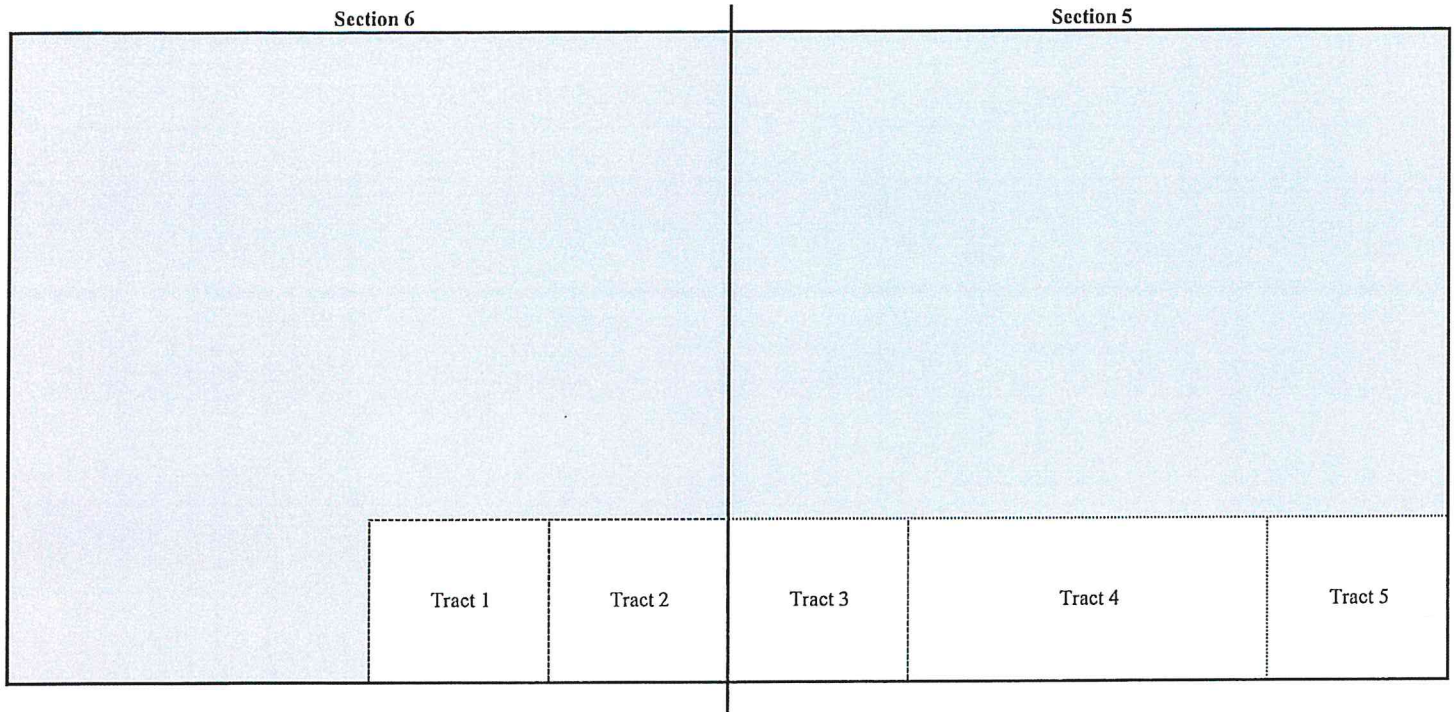
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	6	18S	32E		500	SOUTH	2539	EAST	LEA

¹² Dedicated Acres	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.

¹⁶ GEODETIC DATA NAD 83 GRID - NM EAST SURFACE LOCATION N: 645296.8 - E: 710977.7 LAT: 32.7727390° N LONG: 103.7814103° W BOTTOM HOLE N: 644531.8 - E: 703601.9 LAT: 32.7707396° N LONG: 103.8054191° W				CORNER DATA NAD 83 GRID - NM EAST A: FOUND BRASS CAP "1913" N: 644024.0 - E: 700832.1 B: FOUND BRASS CAP "1913" N: 646666.0 - E: 700816.4 C: FOUND BRASS CAP "1913" N: 649306.3 - E: 700801.5 D: FOUND BRASS CAP "1913" N: 649315.1 - E: 703470.5 E: FOUND BRASS CAP "1913" N: 649324.0 - E: 706111.0 F: FOUND BRASS CAP "1913" N: 649334.9 - E: 708748.0				G: FOUND BRASS CAP "1913" N: 649342.9 - E: 711390.3 H: FOUND BRASS CAP "1913" N: 646696.6 - E: 711421.4 I: FOUND BRASS CAP "1913" N: 644058.8 - E: 711442.6 J: FOUND BRASS CAP "1913" N: 644040.6 - E: 706142.9 K: FOUND BRASS CAP "1913" N: 644031.5 - E: 703505.2 L: FOUND 1" IRON PIPE N: 646678.2 - E: 706128.4				¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Signature _____ Date _____ Printed Name _____ E-mail Address _____			
N 89°48'37" E 2669.71' N 89°48'23" E 2641.06' N 89°45'47" E 2637.64' N 89°49'33" E 2642.95'															
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. 05-29-2019 Date of Survey Signature and Seal of Professional Surveyor															
19680 Certificate Number RRC-Job No: LS19050637															

Section Plat
Winterfell 5/6 B2PO Fed Com #1H
S/2SE/4 of Section 6 & S/2S/2 of Section 5
T18S-R32E, Lea County, NM



Tract 1: SW/4SE/4 of Section 6 - Federal Lease NM 111242

Mewbourne Oil Company
Redcliff Resources, L.C.
Patricia Ann Brunson
XTO Holdings LLC
MRC Explorers Resources LLC
MRC Delaware Resources LLC
Marathon Oil Permian LLC
MRC Spiral Resources LLC

Tract 2: SE/4SE/4 of Section 6 - Federal Lease NM 111242

Mewbourne Oil Company
Redcliff Resources, L.C.
Patricia Ann Brunson
XTO Holdings LLC
MRC Explorers Resources LLC
MRC Delaware Resources LLC
Marathon Oil Permian LLC
MRC Spiral Resources LLC
Occidental Permian Limited Partnership

Tract 3: SW/4SW/4 of Section 5 - Federal Lease NM 40450

Mewbourne Oil Company
Occidental Permian Limited Partnership

Tract 4: SE/4SW/4 & SW/4SE/4 of Section 5 - Fed. Lease LC 064098

Marathon Oil Permian LLC

Tract 5: SE/4SE/4 of Section 5 - Federal Lease NM 0555567

Mewbourne Oil Company

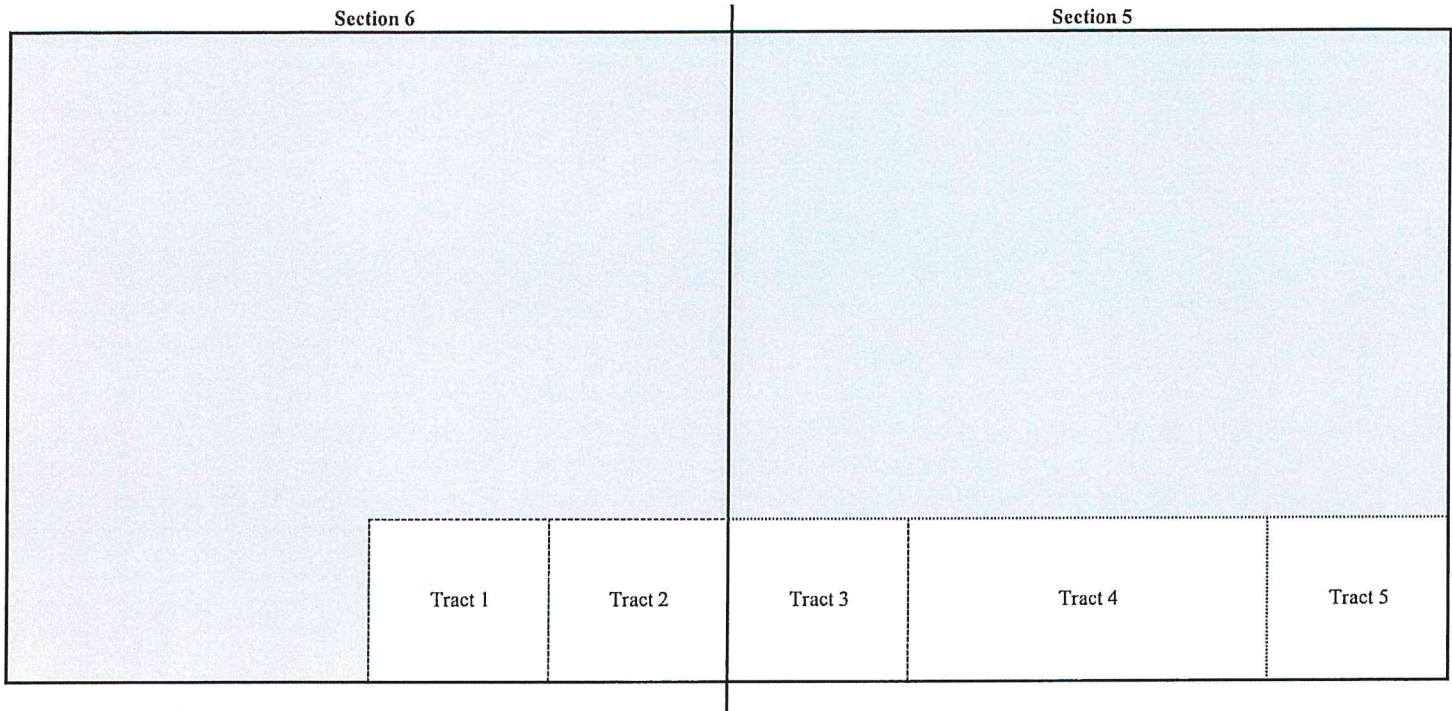
Case No. 21249

MEWBOURNE OIL
Exhibit A-4

RECAPITULATION FOR WINTERFELL 5/6 B2PO FED COM #1H

Tract Number	Number of Acres Committeed	Percentage of Interst in Communitized Area
1	40	16.666666%
2	40	16.666667%
3	40	16.666667%
4	80	33.333333%
5	40	16.666667%
TOTAL	240	100.000000%

T18S-R32E, Lea County, NM



Case No. 21249

MEWBOURNE OIL
Exhibit A-5

TRACT OWNERSHIP
Winterfell 5/6 B2PO Fed Com #1H
S/2SE/4 of Section 6 & S/2S/2 of Section 5

Case No. 21249

**MEWBOURNE OIL
Exhibit A-6**

S/2SE/4 of Section 6 & S/2S/2 of Section 5
Bone Spring Formation:

Owner	% of Leasehold Interest
Mewbourne Oil Company, et al.	53.913578%
*Marathon Oil Permian LLC 5555 San Felipe St. Houston, TX 77056	36.261297%
*Occidental Permian Limited Partnership 5 Greenway Plaza, Suite 110 Houston, Texas 77046	9.825125%
TOTAL	100.000000%

Total Interest Being Pooled: 46.086422%

OWNERSHIP BY TRACT

SW/4SE/4 of Section 6

Owner	% of Leasehold Interest
Mewbourne Oil Company, et al.	95.531565%
Marathon Oil Permian LLC	4.468435%
TOTAL	100.000000%

SE/4SE/4 of Section 6

Owner	% of Leasehold Interest
Mewbourne Oil Company, et al.	77.949902%
Occidental Permian Limited Partnership	8.950750%
Marathon Oil Permian LLC	13.099348%
TOTAL	100.000000%

SW/4SW/4 of Section 5

Owner	% of Leasehold Interest
Mewbourne Oil Company, et al.	50.000000%
Occidental Permian Limited Partnership	50.000000%
TOTAL	100.000000%

SE/4SW/4 & SW/4SE/4 of Section 5

Owner	% of Leasehold Interest
Marathon Oil Permian LLC	100.000000%
TOTAL	100.000000%

SE/4SE/4 of Section 5

Owner	% of Leasehold Interest
Mewbourne Oil Company, et al.	100.000000%
TOTAL	100.000000%

MEWBOURNE OIL COMPANY

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

January 10, 2020

Via Certified Mail

Occidental Permian Limited Partnership
5 Greenway Plaza, Suite 110
Houston, Texas 77046
Attn: Clay Carroll

Re: Castle Black 6/1 B2FE Fed Com #1H
1700' FNL & 2500' FEL (Section 6)
2050' FNL & 100' FWL (Section 1)

Winterfell 6/5 B2GH Fed Com #1H
1730' FNL & 2500' FEL (Section 6)
2050' FNL & 100' FEL (Section 5)

Winterfell 5/6 B2IJ Fed Com #1H
1270' FSL & 455' FEL (Section 5)
1980' FNL & 2540' FEL (Section 6)

Winterfell 5/6 B2PO Fed Com #1H
1240' FSL & 455' FEL (Section 5)
500' FSL & 2540' FEL (Section 6)

Section 1, T18S, R31E, Eddy County, New Mexico
Sections 5 & 6, T18S, R32E, Lea County, New Mexico

Case No. 21249

MEWBOURNE OIL
Exhibit A-7

Ladies and Gentlemen,

Mewbourne Oil Company ("Mewbourne") as Operator hereby proposes to form a 1924.56 acre Working Interest Unit ("WIU") covering the All of the captioned Sections 1, 5, and 6 for oil and gas production, by amending Operating Agreement dated June 1, 2019, covering the N/2 of the captioned Sections 1 and the NW/4 and W/2NE/4 of the captioned Section 6. The targeted interval for the proposed unit is the Bone Spring formation.

Mewbourne as Operator hereby proposes to drill the captioned Castle Black 6/1 B2FE 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 8,568 feet subsurface to evaluate the Second Bone Spring Sand Formation. The proposed well will have a measured depth (MD) of approximately 14,906 feet. The S/2NW/4 of the captioned Section 6 and the S/2N/2 of the captioned Section 1 will be dedicated to the well as the proration unit.

Mewbourne as Operator hereby proposes to drill the captioned Winterfell 6/5 B2GH 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 8,568 feet subsurface to evaluate the Second Bone Spring Sand Formation. The proposed well will have a measured depth (MD) of approximately 14,906 feet. The S/2NE/4 of the captioned Section 6 and the S/2N/2 of the captioned Section 5 will be dedicated to the well as the proration unit.

Mewbourne as Operator hereby proposes to drill the captioned Winterfell 6/5 B2IJ 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 8,630 feet subsurface to evaluate the Second Bone Spring Sand Formation. The proposed well will have a measured depth (MD) of approximately 16,300 feet. The N/2N/2 of the captioned Section 5 and the N/2SE/4 of the captioned Section 6 will be dedicated to the well as the proration unit.

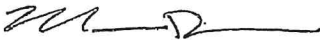
Mewbourne as Operator hereby proposes to drill the captioned Winterfell 6/5 B2PO Fed Com #1H well at the above referenced surface location (SL) to the referenced bottom hole location (BHL). The proposed well will be drilled to an approximate true vertical depth (TVD) of 8,750 feet subsurface to evaluate the Second Bone Spring Sand Formation. The proposed well will have a measured depth (MD) of approximately 16,429 feet. The S/2N/2 of the captioned Section 5 and the S/2SE/4 of the captioned Section 6 will be dedicated to the well as the proration unit.

Regarding the above, enclosed for your further handling are our AFEs dated November 26, 2019 for the captioned proposed wells and replacement pages to Operating Agreement dated June 1, 2019, amending the Contract Area. Please sign and return said AFEs and revised Exhibit "A" at your earliest convenience if you elect to participate in the captioned well and WIU and return to me within thirty (30) days.

Should you have any questions regarding the above, please email me at mrobb@mewbourne.com or call me at (432) 682-3715.

Sincerely,

MEWBOURNE OIL COMPANY



Mitch Robb
Landman

Summary of Communications
Winterfell 5/6 B2PO Fed Com #1H
S/2SE/4 of Section 6 & S/2S/2 of Section 5-T18S-R32E, Lea County, NM

Marathon Oil Permian LLC:

05/28/2019: Mailed Working Interest Unit, Well Proposal and Joint Operating Agreement to the above listed party.

06/05/2019: Correspondence with above listed party regarding Working Interest Unit and Well Proposal.

01/10/2020: Mailed Well Proposal and JOA replacement pages to the above listed party.

Ongoing: Mewbourne is currently negotiating with Marathon to acquire their interest.

Occidental Permian Limited:

01/04/2019: Left message with above listed party regarding Working Interest Unit.

01/11/2019: Mailed a Working Interest Unit and Well Proposal to the above listed party.

04/22/2019: Correspondence with above listed party regarding Working Interest Unit and Well Proposal.

05/28/2019: Mailed Joint Operating Agreement to the above listed party.

05/30/2019: Correspondence with above listed party regarding Working Interest Unit and Well Proposal.

06/04/2019: Correspondence with above listed party regarding Working Interest Unit and Well Proposal.

06/24/2019: Correspondence with above listed party regarding Working Interest Unit and Well Proposal.

07/02/2019: Correspondence with above listed party regarding Working Interest Unit and Well Proposal.

09/03/2019: Correspondence with above listed party regarding Working Interest Unit and Well Proposal.

01/10/2020: Mailed Well Proposal and JOA replacement pages to the above listed party.

01/15/2020: Correspondence with above listed party regarding Working Interest Unit and Well Proposal.

01/22/2020: Correspondence with above listed party regarding Working Interest Unit and Well Proposal.

Case No. 21249

MEWBOURNE OIL

Exhibit A-8

EXHIBIT "A"

Attached to and made a part of that
certain Operating Agreement dated June 1, 2019,
by and between Mewbourne Oil Company, as Operator, and
MRC Delaware Resources LLC, et al, as Non-Operators.

1. LANDS SUBJECT TO THIS AGREEMENT

Township 18 South, Range 31 East, NMPM, Eddy County, New Mexico
Section 1: All

Township 18 South, Range 32 East, NMPM, Lea County, New Mexico
Section 5: All
Section 6: All

Containing 1924.56 gross acres, more or less

2. DEPTH RESTRICTIONS AND EXCLUSIONS

5,500' to 9,150'

3. ADDRESSES OF THE PARTIES

Mewbourne Oil Company
500 West Texas, Suite 1020
Midland, Texas 79701
Attn: Land Department
Phone: (432) 682-3715

MRC Delaware Resources LLC,
MRC Explorers Resources LLC, &
MRC Spiral Resources, LLC
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240

Yates Energy Corporation
P.O. Box 2323
Roswell, NM 88202

Marathon Oil Permian LLC
5555 San Felipe St.
Houston, TX 77056

XTO Energy Inc.
810 Houston Street
Fort Worth, TX 76102

Occidental Permian Limited Partnership &
Anadarko E&P Onshore LLC
5 Greenway Plaza, Suite 110
Houston, Texas 77046
Phone: (713) 215-7383
Attn: Land Manager

Redcliff Resources, LC
P.O. Box 4848
Wichita Falls, TX 76308-0848

Jalapeno Corporation
PO BOX 484
Albuquerque, NM 87103

Patricia Ann Brunson
4205 Lankford Ave
Springdale, AR 72762

Nadel and Gussman Capitan, LLC
15 East 5th Street, Ste. 3300
Tulsa, OK 74103-4340

Chase Oil Corporation
PO Box 1767
Artesia, NM 88211

RKI Exploration & Production LLC
3500 One Williams Center, Suite 3500
Tulsa, OK 74172
Attn: Aaron Young
Phone: 539-573-3531

Platform Energy III, LLC
PO Box 2078
Abilene, TX 79604

Nadel and Gussman Capitan, LLC
15 East 5th Street, Ste. 3300
Tulsa, OK 74103-4340

Case No. 21249

MEWBOURNE OIL
Exhibit A-9

Case No. _____ : Application of Mewbourne Oil Company for compulsory pooling, Lea County, New Mexico. Applicant seeks an order pooling all uncommitted mineral interests in the Bone Spring formation in a 240-acre, more or less, standard horizontal spacing unit comprised of the S/2 SE/4 of Section 6 and the S/2 S/2 of Section 5, Township 18 South, Range 32 East in Lea County, New Mexico. The horizontal spacing unit will be dedicated to the Winterfell 5/6 B2PO Fed Com #1H well, which will be horizontally drilled from a surface location in Unit P in Section 5 to a bottom hole location in Unit O in Section 6. The completed interval for the well will be orthodox. Also to be considered will be the costs of drilling and completing the well and the allocation of the costs, the designation of Mewbourne Oil Company as the operator of the well, and a 200% charge for the risk involved in drilling and completing the well. The well is located approximately six (6) miles southwest of Maljamar, New Mexico.

Case No. 21249

**MEWBOURNE OIL
Exhibit A-10**



HINKLE SHANOR LLP

ATTORNEYS AT LAW

PO BOX 2068

SANTA FE, NEW MEXICO 87504

505-982-4554 (FAX) 505-982-8623

WRITER:

Dana S. Hardy, Partner
dhardy@hinklelawfirm.com

April 20, 2020

VIA CERTIFIED MAIL

MRC Delaware Resources LLC
One Lincoln Center
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240
Attn: Nick Weeks

Re: Mewbourne Oil Company NMOCD Application

Dear Mr. Weeks:

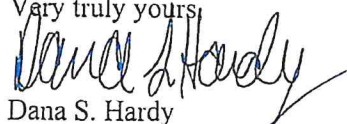
Enclosed is a copy of an application for compulsory pooling that Mewbourne Oil Company ("Mewbourne") has filed with the New Mexico Oil Conservation Division ("the Division"). Mewbourne's application (Case No. 21249) seeks an order pooling all uncommitted mineral interests in the Bone Spring formation in a 240-acre, more or less, standard horizontal spacing unit comprised of the S/2 SE/4 of Section 6 and the S/2 S/2 of Section 5, Township 18 South, Range 32 East in Lea County, New Mexico. The horizontal spacing unit will be dedicated to the Winterfell 5/6 B2PO Fed Com #1H well.

During the COVID-19 Public Health Emergency, state buildings are closed to the public and hearings will be conducted remotely. The hearing will be conducted on May 14, 2020 beginning at 8:15 a.m. To participate in the electronic hearing, see the instructions posted on the OCD Hearings website: <http://www.emnrd.state.nm.us/OCD/announcements.html>. MRC Delaware Resources LLC ("MRC Delaware") is not required to attend the hearing, but as an owner of an interest that may be affected by Mewbourne's application, it may appear at the hearing and present testimony. If MRC Delaware does not appear at that time and become a party of record, it will be precluded from contesting the matter at a later date.

A party appearing in a Division case is required by the Division's Rules to file a Pre-Hearing Statement, which in this matter must be filed no later than Thursday, May 7, 2020. The Pre-Hearing Statement must be filed with the Division and should include: the name of the party and the party's attorney; a concise statement of the case; the name(s) of the witness(es) the party will call to testify at the hearing; the approximate amount of time the party will need to present the party's case; and an identification of any procedural matters that need to be resolved prior to the hearing. The Pre-Hearing Statement must also be provided to me.

Thank you for your attention to this matter.

Very truly yours,


Dana S. Hardy

Case No. 21249

MEWBOURNE OIL
Exhibit A-11

Enclosure

PO BOX 10

ROSWELL, NEW MEXICO 88202

575-622-6510

(FAX) 575-623-9332

PO BOX 1720

ARTESIA, NEW MEXICO 88211

575-622-6510

(FAX) 575-746-6316

PO BOX 2068

SANTA FE, NEW MEXICO 87504

505-982-4554

(FAX) 505-982-8623

7601 JEFFERSON ST NE - SUITE 180

ALBUQUERQUE, NEW MEXICO 87109

505-858-8320

(FAX) 505-858-8321

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<p><input checked="" type="checkbox"/> Complete items 1, 2, and 3.</p> <p><input checked="" type="checkbox"/> Print your name and address on the reverse so that we can return the card to you.</p> <p><input checked="" type="checkbox"/> Attach this card to the back of the mailpiece, or on the front if space permits.</p> <p>1. Article Addressed to: MRC Delaware Resources LLC 5400 LBJ Freeway, Suite 1500 Dallas, TX 75240 Attn: Nick Weeks</p>	<p>A. Signature X </p> <p style="text-align: right;"><input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) <u>4002 C19</u> C. Date of Delivery <u>04/23/20</u></p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p>
 9590 9402 4714 8344 6449 37	<p>3. Service Type</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <input type="checkbox"/> Adult Signature <input type="checkbox"/> Adult Signature Restricted Delivery <input checked="" type="checkbox"/> Certified Mail® <input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Collect on Delivery Restricted Delivery <input type="checkbox"/> Insured Mail </div> <div style="width: 45%;"> <input type="checkbox"/> Priority Mail Express® <input type="checkbox"/> Registered Mail™ <input type="checkbox"/> Registered Mail Restricted Delivery <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Signature Confirmation™ <input type="checkbox"/> Signature Confirmation Restricted Delivery </div> </div>
<p>2. Article Number (Transfer from service label) 7019 2970 0000 7593 7202</p>	
PS Form 3811, July 2015 PSN 7530-02-000-9053	

Domestic Return Receipt

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 9590 9402 4714 8344 6449 20	<p>3. Service Type</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <input type="checkbox"/> Adult Signature <input type="checkbox"/> Adult Signature Restricted Delivery <input checked="" type="checkbox"/> Certified Mail® <input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Collect on Delivery Restricted Delivery <input type="checkbox"/> Insured Mail </div> <div style="width: 45%;"> <input type="checkbox"/> Priority Mail Express® <input type="checkbox"/> Registered Mail™ <input type="checkbox"/> Registered Mail Restricted Delivery <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Signature Confirmation™ <input type="checkbox"/> Signature Confirmation Restricted Delivery </div> </div>
<p>2. Article Number (Transfer from service label) 7019 2970 0000 7593 7219</p>	
PS Form 3811, July 2015 PSN 7530-02-000-9053	

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 9590 9402 4714 8344 6448 90	<p>3. Service Type</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <input type="checkbox"/> Adult Signature <input type="checkbox"/> Adult Signature Restricted Delivery <input checked="" type="checkbox"/> Certified Mail® <input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Collect on Delivery Restricted Delivery <input type="checkbox"/> Insured Mail </div> <div style="width: 45%;"> <input type="checkbox"/> Priority Mail Express® <input type="checkbox"/> Registered Mail™ <input type="checkbox"/> Registered Mail Restricted Delivery <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Signature Confirmation™ <input type="checkbox"/> Signature Confirmation Restricted Delivery </div> </div>
<p>2. Article Number (Transfer from service label) 7019 2970 0000 7593 7240</p>	
PS Form 3811, July 2015 PSN 7530-02-000-9053	

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<p>2. Article Number (Transfer from service label)</p> <p>7019 2970 0000 7593 7196</p>	<p>3. Service Type</p> <p><input type="checkbox"/> Adult Signature <input type="checkbox"/> Priority Mail Express®</p> <p><input type="checkbox"/> Adult Signature Restricted Delivery <input type="checkbox"/> Registered Mail™</p> <p><input type="checkbox"/> Certified Mail® <input type="checkbox"/> Registered Mail Restricted Delivery</p> <p><input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Return Receipt for Merchandise</p> <p><input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Signature Confirmation™</p> <p><input type="checkbox"/> Collect on Delivery Restricted Delivery <input type="checkbox"/> Signature Confirmation Restricted Delivery</p> <p><input type="checkbox"/> Insured Mail <input type="checkbox"/> Restricted Delivery</p>

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<p>2. Article Number (Transfer from service label)</p> <p>7019 2970 0000 7593 7233</p>	<p>3. Service Type</p> <p><input type="checkbox"/> Adult Signature <input type="checkbox"/> Priority Mail Express®</p> <p><input type="checkbox"/> Adult Signature Restricted Delivery <input type="checkbox"/> Registered Mail™</p> <p><input type="checkbox"/> Certified Mail® <input type="checkbox"/> Registered Mail Restricted Delivery</p> <p><input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Return Receipt for Merchandise</p> <p><input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Signature Confirmation™</p> <p><input type="checkbox"/> Collect on Delivery Restricted Delivery <input type="checkbox"/> Signature Confirmation Restricted Delivery</p> <p><input type="checkbox"/> Insured Mail <input type="checkbox"/> Restricted Delivery</p>

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<p>■ Complete items 1, 2, and 3.</p> <p>■ Print your name and address on the reverse so that we can return the card to you.</p> <p>■ Attach this card to the back of the mailpiece, or on the front if space permits.</p> <p>1. Article Addressed to:</p> <p>XIO Holdings LLC 810 Houston Street Fort Worth, TX 76102 Attn: Brett Woody</p>	<p>A. Signature X <i>[Signature]</i> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) Brett Woody</p> <p>C. Date of Delivery</p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p>
<p>2. Article Number (Transfer from service label)</p> <p>7019 2970 0000 7593 7141</p>	<p>3. Service Type</p> <p><input type="checkbox"/> Adult Signature <input type="checkbox"/> Priority Mail Express®</p> <p><input type="checkbox"/> Adult Signature Restricted Delivery <input type="checkbox"/> Registered Mail™</p> <p><input type="checkbox"/> Certified Mail® <input type="checkbox"/> Registered Mail Restricted Delivery</p> <p><input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Return Receipt for Merchandise</p> <p><input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Signature Confirmation™</p> <p><input type="checkbox"/> Collect on Delivery Restricted Delivery <input type="checkbox"/> Signature Confirmation Restricted Delivery</p> <p><input type="checkbox"/> Insured Mail <input type="checkbox"/> Restricted Delivery</p>

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Affidavit of Publication

STATE OF NEW MEXICO
COUNTY OF LEA


I, Daniel Russell, Publisher of the Hobbs News-Sun, a newspaper published at Hobbs, New Mexico, solemnly swear that the clipping attached hereto was published in the regular and entire issue of said newspaper, and not a supplement thereof for a period of 1 issue(s).

Beginning with the issue dated
April 22, 2020
and ending with the issue dated
April 22, 2020.

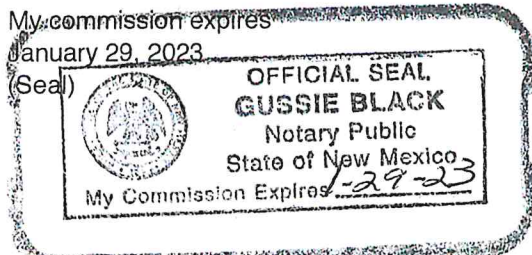


Publisher

Sworn and subscribed to before me this
22nd day of April 2020.



Business Manager



This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937 and payment of fees for said

LEGAL	LEGAL
LEGAL NOTICE April 22, 2020	
<p>This is to notify all interested parties, including MRC Delaware Resources LLC, MRC Explorers Resources LLC, MRC Spiral Resources LLC, Marathon Oil Permian LLC, Occidental Permian Limited Partnership, XTO Holdings LLC, and their successors and assigns, that the New Mexico Oil Conservation Division will conduct a hearing on an application submitted by Mewbourne Oil Company (Case No. 21249). During the COVID-19 Public Health Emergency, state buildings are closed to the public and hearings will be conducted remotely. The hearing will be conducted on May 14, 2020 beginning at 8:15 a.m. To participate in the electronic hearing, see the instructions posted on the OCD Hearings website: http://www.emnrd.state.nm.us/OCD/announcements.html. Applicant seeks an order pooling all uncommitted mineral interests in the Bone Spring formation in a 240-acre, more or less, standard horizontal spacing unit comprised of the S/2 SE/4 of Section 6 and the S/2 S/2 of Section 5, Township 18 South, Range 32 East in Lea County, New Mexico. The horizontal spacing unit will be dedicated to the Winterfell 5/6 B2PO Fed Com #1H well, which will be horizontally drilled from a surface location in Unit P in Section 5 to a bottom hole location in Unit O in Section 6. The completed interval for the well will be orthodox. Also to be considered will be the costs of drilling and completing the well and the allocation of the costs, the designation of Mewbourne Oil Company as the operator of the well, and a 200% charge for the risk involved in drilling and completing the well. The well is located approximately six (6) miles southwest of Maljamar, New Mexico.</p> <p>#35416</p>	

02107475

00241774

HINKLE, HENSLEY, SHANOR & MARTIN, LLP
PO BOX 2068
SANTA FE, NM 87504

Case No. 21249

MEWBOURNE OIL
Exhibit A-12

MEWBOURNE OIL COMPANY

AUTHORIZATION FOR EXPENDITURE

Well Name: WINTERFELL 5/6 B2PO FED COM #1H		Prospect: 2ND BSS	
Location: SHL: 1240 FSL & 455 FEL (5); BHL: 500 FSL & 2540 FEL (6)		County: Lea	ST: NM
Sec. 5	Blk: 	Survey: 	TWP: 18S RNG: 32E Prop. TVD: 8750 TMD: 16429

INTANGIBLE COSTS 0180	CODE	TCP	CODE	CC
Regulatory Permits & Surveys	0180-0100	\$10,000	0180-0200	
Location / Road / Site / Preparation	0180-0105	\$100,000	0180-0205	\$25,000
Location / Restoration	0180-0106	\$200,000	0180-0206	\$30,000
Daywork / Turnkey / Footage Drilling 24 days drlg / 3 days comp @ \$21500/d	0180-0110	\$552,000	0180-0210	\$68,900
Fuel 1700 gal/day @ 2.74/gal	0180-0114	\$139,400	0180-0214	\$240,000
Mud, Chemical & Additives	0180-0120	\$200,000	0180-0220	
Horizontal Drillout Services			0180-0222	\$250,000
Cementing	0180-0125	\$100,000	0180-0225	\$30,000
Logging & Wireline Services	0180-0130	\$2,500	0180-0230	\$370,000
Casing / Tubing / Snubbing Service	0180-0134	\$20,000	0180-0234	\$90,000
Mud Logging	0180-0137	\$30,000		
Stimulation 37 Stg 14.8 MM gal / 14.8 MM lb			0180-0241	\$1,275,000
Stimulation Rentals & Other			0180-0242	\$200,000
Water & Other	0180-0145	\$60,000	0180-0245	\$400,000
Bits	0180-0148	\$138,800	0180-0248	\$8,000
Inspection & Repair Services	0180-0150	\$40,000	0180-0250	\$5,000
Misc. Air & Pumping Services	0180-0154		0180-0254	\$10,000
Testing & Flowback Services	0180-0158	\$15,000	0180-0258	\$30,000
Completion / Workover Rig			0180-0260	\$10,500
Rig Mobilization	0180-0164	\$150,000		
Transportation	0180-0165	\$30,000	0180-0265	\$20,000
Welding Services	0180-0168	\$5,000	0180-0268	\$15,000
Contract Services & Supervision	0180-0170	\$39,000	0180-0270	\$70,500
Directional Services Includes Vertical Control	0180-0175	\$273,000		
Equipment Rental	0180-0180	\$201,400	0180-0280	\$30,000
Well / Lease Legal	0180-0184	\$5,000	0180-0284	
Well / Lease Insurance	0180-0185	\$800	0180-0285	
Intangible Supplies	0180-0188	\$8,000	0180-0288	\$10,000
Damages	0180-0190	\$10,000	0180-0290	\$10,000
ROW & Easements	0180-0192		0180-0292	\$5,000
Pipeline Interconnect			0180-0293	\$50,000
Company Supervision	0180-0195	\$124,800	0180-0295	\$100,800
Overhead Fixed Rate	0180-0196	\$10,000	0180-0296	\$20,000
Well Abandonment	0180-0198		0180-0298	
Contingencies 2% (TCP) 2% (CC)	0180-0199	\$49,300	0180-0299	\$67,500
TOTAL		\$2,514,000		\$3,441,200

TANGIBLE COSTS 0181				
Casing (19.1" - 30")	0181-0793			
Casing (10.1" - 19.0") 1050' - 13 3/8" 54.5# J-55 ST&C @ \$34.83/ft	0181-0794	\$39,100		
Casing (8.1" - 10.0") 2600' - 9 5/8" 36# HCL80 LT&C @ \$22.72/ft	0181-0795	\$63,100		
Casing (6.1" - 8.0") 9025' - 7" 29# HCP-110 LT&C @ \$23.84/ft	0181-0796	\$229,800		
Casing (4.1" - 6.0") 8150' - 4 1/2" 13.5# P-110 BPN @ \$12.16/ft			0181-0797	\$105,900
Tubing 8175' - 2 7/8" 6.5# L-80 EUE 8rd @ \$4.60/ft			0181-0798	\$40,200
Drilling Head	0181-0860	\$40,000		
Tubing Head & Upper Section			0181-0870	\$50,000
Horizontal Completion Tools Completion Liner Hanger			0181-0871	\$70,000
Sucker Rods			0181-0875	
Subsurface Equipment			0181-0880	\$10,000
Artificial Lift Systems Gas Lift Valves & Packer			0181-0884	\$15,000
Pumping Unit			0181-0885	
Surface Pumps & Prime Movers VRU/SWD Pump/Circ Pump			0181-0886	\$30,000
Tanks - Oil 3 - 750 bbl			0181-0890	\$75,000
Tanks - Water (1/2) 5 - 750 bbl coated			0181-0891	\$57,000
Separation / Treating Equipment 1/2 GB/30"x10"x1k# 3 ph/36"x15"x1k# Hor 3ph/1/2VRT/Flare			0181-0895	\$95,000
Heater Treaters, Line Heaters 8"x20"x75# HT			0181-0897	\$27,000
Metering Equipment			0181-0898	\$15,000
Line Pipe & Valves - Gathering			0181-0900	\$50,000
Fittings / Valves & Accessories			0181-0906	\$100,000
Cathodic Protection			0181-0908	\$125,000
Electrical Installation			0181-0909	\$50,000
Equipment Installation			0181-0910	\$70,000
Pipeline Construction			0181-0920	\$100,000
TOTAL		\$372,000		\$1,085,100
SUBTOTAL		\$2,886,000		\$4,526,300
TOTAL WELL COST		\$7,412,300		

Extra Expense Insurance

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

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

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

Prepared by: <u>T. Cude</u>	Date: <u>11/26/2019</u>
Company Approval: <u><i>M. Whittall</i></u>	Date: <u>11/26/2019</u>
Joint Owner Interest: _____ Amount: _____	Signature: _____
Joint Owner Name: _____	

Case No. 21249

MEWBOURNE OIL

Exhibit A-13

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

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

Case No. 21249

**SELF-AFFIRMED STATEMENT OF
CHARLES CROSBY**

1. I am over 18 years of age and am competent to provide this Self-Affirmed Statement. I have personal knowledge of the matters addressed herein.
2. I am a geologist at Mewbourne Oil Company ("Mewbourne"). I am familiar with the geological matters that pertain to Mewbourne's application.
3. I have previously testified before the New Mexico Oil Conservation Division as an expert in geology, and my qualifications were accepted.
4. A general location map of the proposed horizontal spacing unit ("HSU") is attached as Exhibit B-1.
5. A structure map of the Base of the 2nd Bone Spring Sand formation is attached as Exhibit B-2. The map shows that the structure dips to the south. It also shows a line of cross section and the HSU for the proposed Winterfell 5/6 B2PO Fed Com #1H well.
6. Attached as Exhibit B-3 is a gross sand isopach map of the Lower 2nd Bone Spring Sand formation, which is the target zone for the proposed well. It shows that the sand across the HSU has an approximate thickness of 250-300'.
7. Attached as Exhibit B-4 is a west to east cross section. The well logs on the cross section provide a representative sample of the 2nd Bone Spring Sand formation in the area. The target zone for the proposed well is continuous across the HSU.

Case No. 21249

**MEWBOURNE OIL
Exhibit B**

8. Attached as Exhibit B-5 is a table containing production data from other 2nd Bone Spring Sand wells drilled in the vicinity. The preference is for laydown wells (west to east or east to west).

9. Exhibit B-6 is a Well Planning Report for the proposed well. The report contains plots and lateral trajectory schematics of the well bore. The well's producing interval will be orthodox.

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

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

a) The HSU is justified from a geologic standpoint;

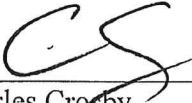
b) There is no faulting or other geologic impediment that could adversely affect the drilling of the proposed well; and

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

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

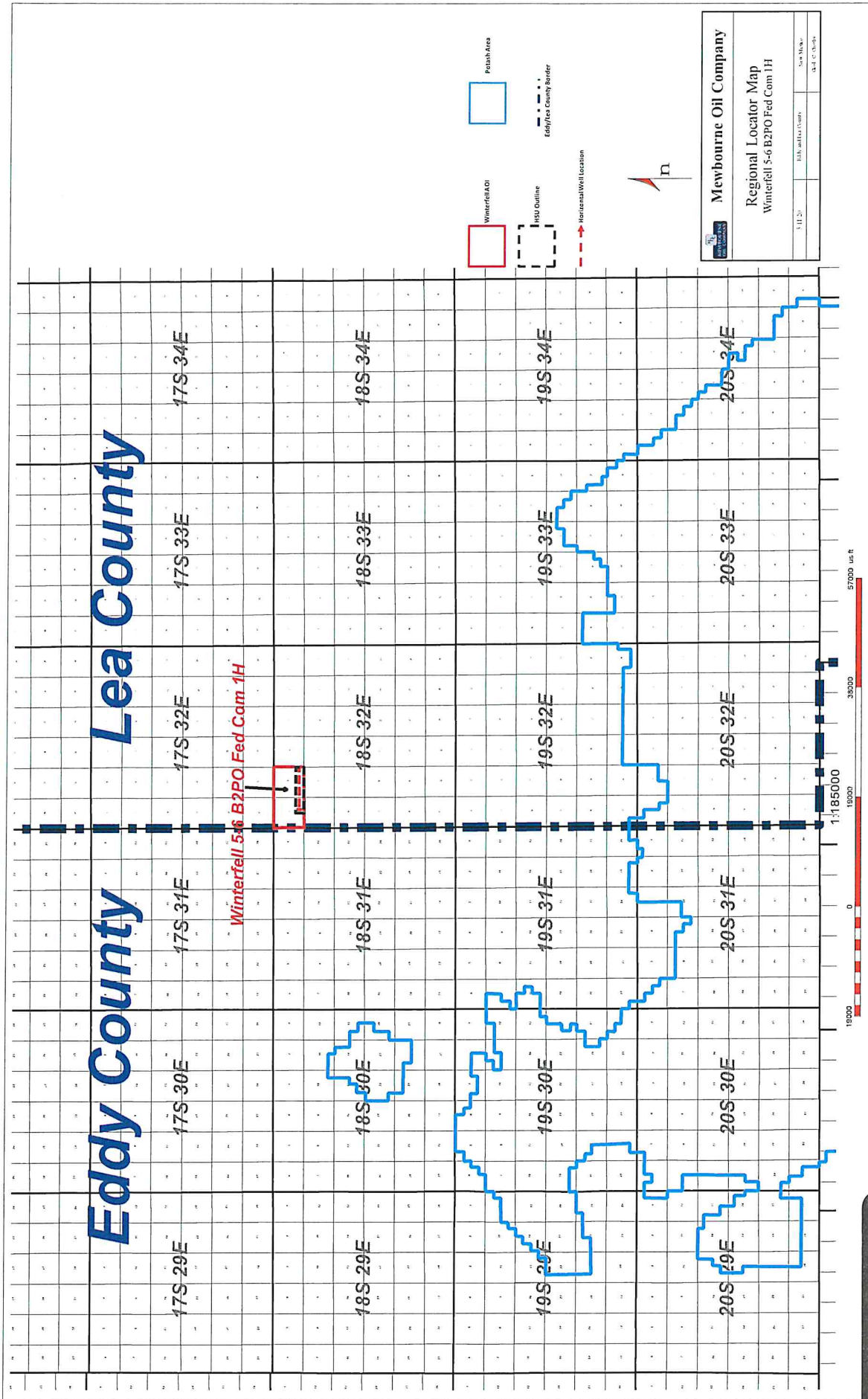
13. Exhibits B-1 through B-6 were either prepared by me or compiled from company records.

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



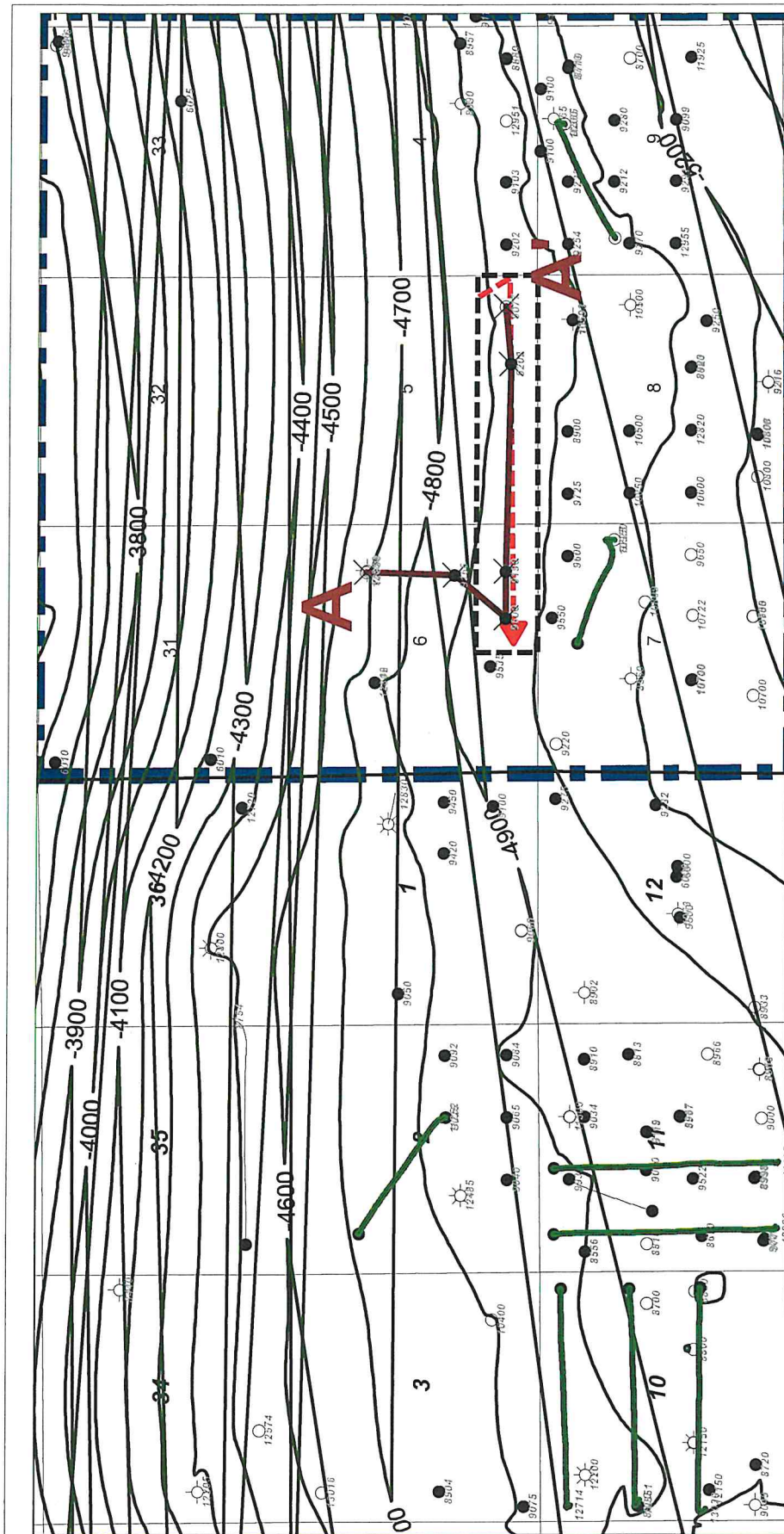
Charles Crosby

5/12/20
Date



Case No. 21249


MEWBOURNE OIL
Exhibit B-1



2nd Bone Spring SD Horizontal




Eddy/Lea County Border

 Mewbourne Oil Company	Winterfell 5-6 B2PO Fed Com 1H Base Activity Map Base 2nd BSPG SD Structure Map (C.I. 100')	
5/11/20	Eddy and Lea County	New Mexico Geol. C. Crosby

Case No. 21249

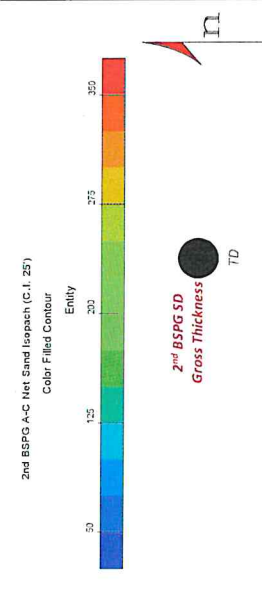
MEWBOURNE OIL

Exhibit B-2


Mewbourne Oil Company

Winterfell 5-6 B2PO Fed Com 1H
 Base Activity Map
 Lower 2nd BSPG SD Gross Isopach (C.I. 25')

5/11/20	Billy and Lea County	New Mexico
		Geol. C. Crosby



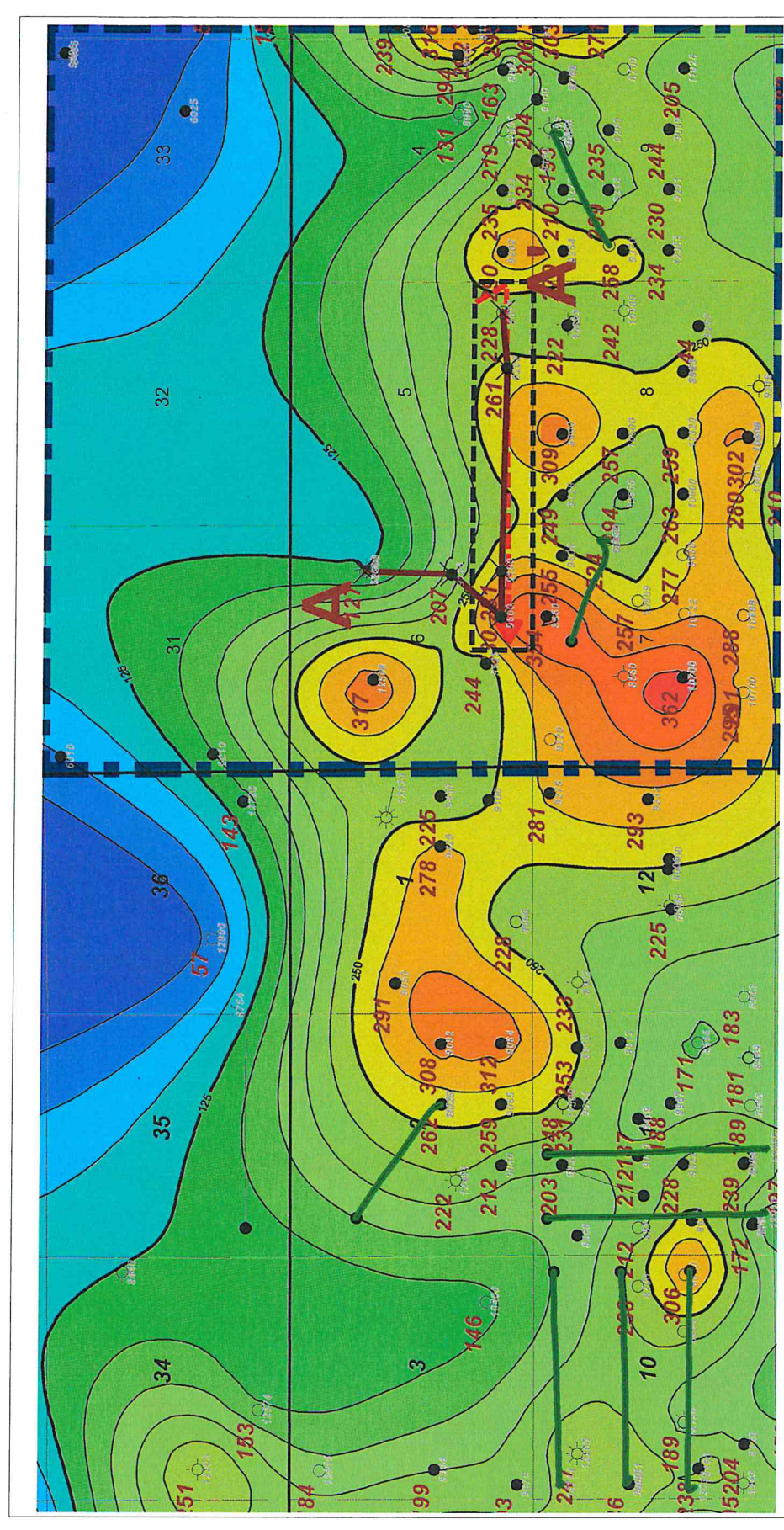
2nd Bone Spring SD Horizontal

Eddy/Lea County Border

Case No. 21249

MEWBOURNE OIL

Exhibit B-3



A
W

WINTERFELL 5-6 B2PO
TOP 18 5-4-1997 21 E-14-6
TOP 18 5-4-1997 21 E-14-6

WINTERFELL 5-6 B2PO
TOP 18 5-4-1997 21 E-14-6
TOP 18 5-4-1997 21 E-14-6

WINTERFELL 5-6 B2PO
TOP 18 5-4-1997 21 E-14-6
TOP 18 5-4-1997 21 E-14-6

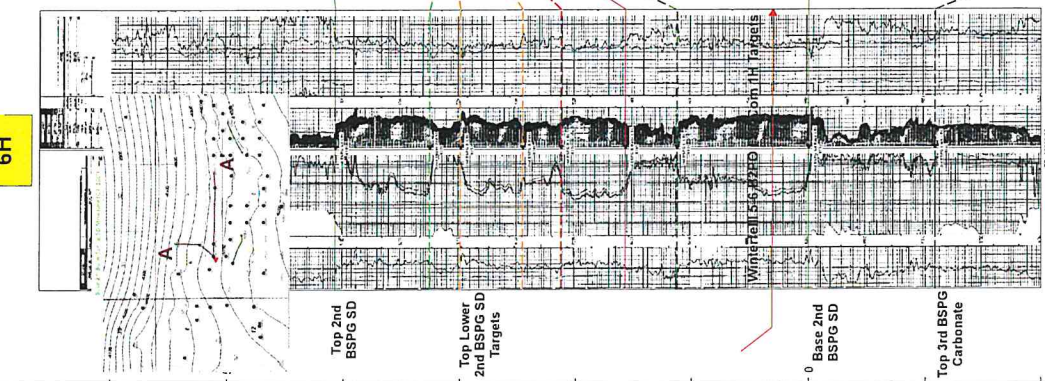
WINTERFELL 5-6 B2PO
TOP 18 5-4-1997 21 E-14-6
TOP 18 5-4-1997 21 E-14-6

WINTERFELL 5-6 B2PO
TOP 18 5-4-1997 21 E-14-6
TOP 18 5-4-1997 21 E-14-6

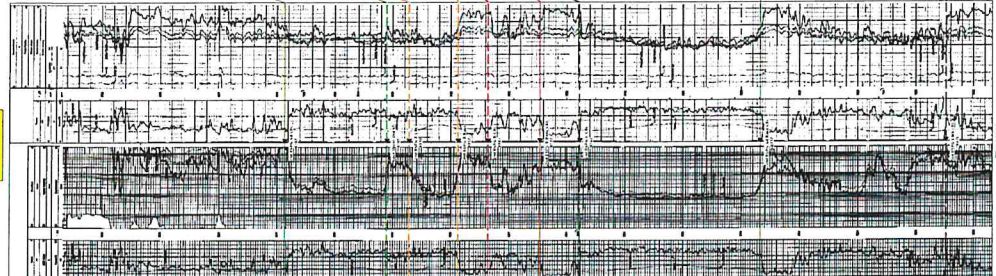
WINTERFELL 5-6 B2PO
TOP 18 5-4-1997 21 E-14-6
TOP 18 5-4-1997 21 E-14-6

A'
E

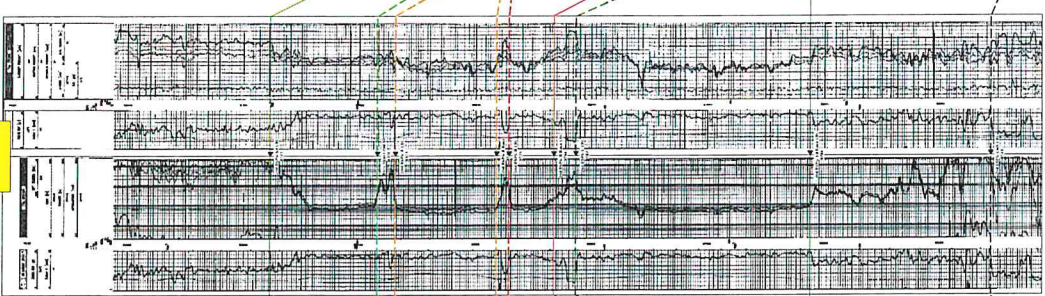
6H



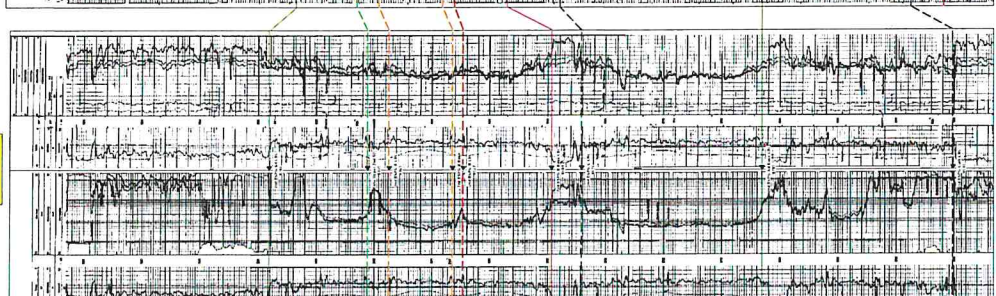
6I



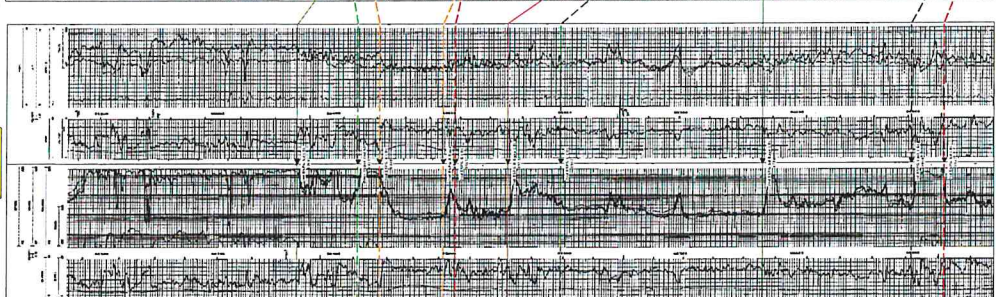
6O



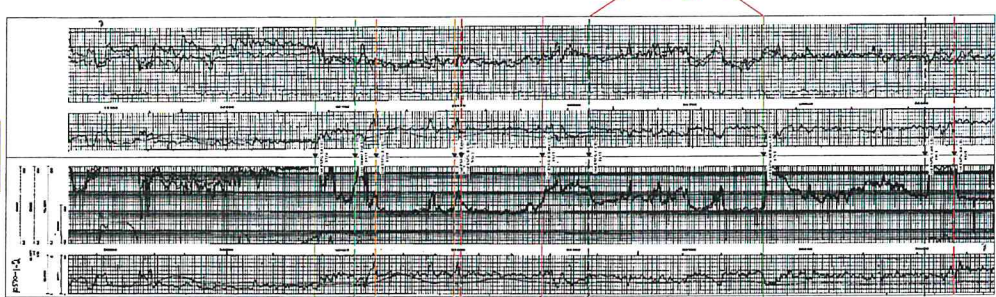
6P



5O



5P



Target Interval

Winterfell 5-6 B2PO Fed Com 1H
Cross Section Exhibit (A-A')

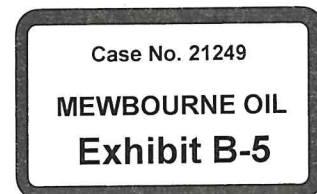
Case No. 21249

MEWBORNE OIL
Exhibit B-4

Winterfell Area 2nd BSPG SD Horizontal Production Table									
Well Name	Operator	API	Location	Completion Date	Cum Oil (Mbo)	Cum Gas (Bcf)	Cum Water (Mbw)	NS/EW	Production Zone
Mesquite 2 State Com 3H	Matador	30015254520100	2I/18S/31E	3/5/2006	116.7	0.14	64.7	NW/SE	Lower 2nd BSPG SD
Tamano 11 MD Federal Com 1H	Mewbourne	30015413490000	11M/18S/31E	8/10/2014	116.4	0.16	108.7	NS	Lower 2nd BSPG SD
Tamano 11 NC Federal 1H	Mewbourne	30015413500000	11N/18S/31E	2/9/2014	85.7	0.14	126.9	NS	Lower 2nd BSPG SD
Bola 7 Federal Com 3H	Matador	30025355350100	7H/18S/32E	9/12/2006	98.8	0.11	16.0	NW/SE	Lower 2nd BSPG SD
Tamano 10 Federal Com 6H	Mewbourne	30015382860000	10D/18S/31E	11/2/2011	158.9	0.2	123.9	EW	Lower 2nd BSPG SD
Tamano 10 Federal Com 7H	Mewbourne	30015396850000	10E/18S/31E	1/14/2012	179.3	0.3	189.5	EW	Lower 2nd BSPG SD
Tamano 10 Federal Com 8H	Mewbourne	30015401090000	10I/18S/31E	7/16/2012	63.6	0.06	176.8	EW	Lower 2nd BSPG SD

*Sidetrack Recompletion

*Sidetrack Recompletion



Mewbourne Oil Company

Lea County, New Mexico NAD 83
Winterfell 5/6 B2PO FEd Com #1H
Sec 5, T18S, R32E
SHL: 1240' FSL & 455' FEL, Sec 5
BHL: 500' FSL & 2539' FEL, Sec 6

Plan: Design #1

Standard Planning Report

26 July, 2019

Case No. 21249

MEWBOURNE OIL
Exhibit B-6

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Winterfell 5/6 B2PO FEd Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3832.0usft (Original Well Elev)
Project:	Lea County, New Mexico NAD 83	MD Reference:	WELL @ 3832.0usft (Original Well Elev)
Site:	Winterfell 5/6 B2PO FEd Com #1H	North Reference:	Grid
Well:	Sec 5, T18S, R32E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 500' FSL & 2539' FEL, Sec 6		
Design:	Design #1		

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

Site	Winterfell 5/6 B2PO FEd Com #1H			
Site Position:		Northing:	645,296.80 usft	Latitude: 32.7727390
From:	Map	Easting:	710,977.70 usft	Longitude: -103.7814103
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence: 0.30 °

Well	Sec 5, T18S, R32E			
Well Position	+N/-S	0.0 usft	Northing:	645,296.80 usft
	+E/-W	0.0 usft	Easting:	710,977.70 usft
Position Uncertainty	0.0 usft		Wellhead Elevation:	3,859.0 usft
			Ground Level:	3,832.0 usft

Wellbore	BHL: 500' FSL & 2539' FEL, Sec 6				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	User Defined	7/26/2019	0.00	0.00	0

Design	Design #1			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	264.08

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

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Winterfell 5/6 B2PO FEd Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3832.0usft (Original Well Elev)
Project:	Lea County, New Mexico NAD 83	MD Reference:	WELL @ 3832.0usft (Original Well Elev)
Site:	Winterfell 5/6 B2PO FEd Com #1H	North Reference:	Grid
Well:	Sec 5, T18S, R32E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 500' FSL & 2539' FEL, Sec 6		
Design:	Design #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
SHL: 1240' FSL & 455' FEL (5)									
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,375.0	0.00	0.00	1,375.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.38	148.55	1,400.0	-0.1	0.0	0.0	1.50	1.50	0.00
1,500.0	1.88	148.55	1,500.0	-1.7	1.1	-0.9	1.50	1.50	0.00
1,600.0	3.38	148.55	1,599.9	-5.7	3.5	-2.9	1.50	1.50	0.00
1,700.0	4.88	148.55	1,699.6	-11.8	7.2	-6.0	1.50	1.50	0.00
1,800.0	6.38	148.55	1,799.1	-20.1	12.3	-10.2	1.50	1.50	0.00
1,889.4	7.72	148.55	1,887.9	-29.5	18.0	-14.9	1.50	1.50	0.00
1,900.0	7.72	148.55	1,898.4	-30.7	18.8	-15.5	0.00	0.00	0.00
2,000.0	7.72	148.55	1,997.4	-42.2	25.8	-21.3	0.00	0.00	0.00
2,100.0	7.72	148.55	2,096.5	-53.6	32.8	-27.1	0.00	0.00	0.00
2,200.0	7.72	148.55	2,195.6	-65.1	39.8	-32.9	0.00	0.00	0.00
2,300.0	7.72	148.55	2,294.7	-76.5	46.8	-38.7	0.00	0.00	0.00
2,400.0	7.72	148.55	2,393.8	-88.0	53.8	-44.5	0.00	0.00	0.00
2,500.0	7.72	148.55	2,492.9	-99.4	60.8	-50.2	0.00	0.00	0.00
2,600.0	7.72	148.55	2,592.0	-110.9	67.8	-56.0	0.00	0.00	0.00
2,700.0	7.72	148.55	2,691.1	-122.4	74.8	-61.8	0.00	0.00	0.00
2,800.0	7.72	148.55	2,790.2	-133.8	81.8	-67.6	0.00	0.00	0.00
2,900.0	7.72	148.55	2,889.3	-145.3	88.9	-73.4	0.00	0.00	0.00
3,000.0	7.72	148.55	2,988.4	-156.7	95.9	-79.2	0.00	0.00	0.00
3,100.0	7.72	148.55	3,087.5	-168.2	102.9	-85.0	0.00	0.00	0.00
3,200.0	7.72	148.55	3,186.6	-179.6	109.9	-90.8	0.00	0.00	0.00
3,300.0	7.72	148.55	3,285.7	-191.1	116.9	-96.5	0.00	0.00	0.00
3,400.0	7.72	148.55	3,384.8	-202.5	123.9	-102.3	0.00	0.00	0.00
3,500.0	7.72	148.55	3,483.9	-214.0	130.9	-108.1	0.00	0.00	0.00
3,600.0	7.72	148.55	3,583.0	-225.4	137.9	-113.9	0.00	0.00	0.00
3,700.0	7.72	148.55	3,682.0	-236.9	144.9	-119.7	0.00	0.00	0.00
3,800.0	7.72	148.55	3,781.1	-248.4	151.9	-125.5	0.00	0.00	0.00
3,900.0	7.72	148.55	3,880.2	-259.8	158.9	-131.3	0.00	0.00	0.00
4,000.0	7.72	148.55	3,979.3	-271.3	165.9	-137.1	0.00	0.00	0.00
4,100.0	7.72	148.55	4,078.4	-282.7	172.9	-142.8	0.00	0.00	0.00
4,200.0	7.72	148.55	4,177.5	-294.2	179.9	-148.6	0.00	0.00	0.00
4,300.0	7.72	148.55	4,276.6	-305.6	186.9	-154.4	0.00	0.00	0.00
4,400.0	7.72	148.55	4,375.7	-317.1	194.0	-160.2	0.00	0.00	0.00
4,500.0	7.72	148.55	4,474.8	-328.5	201.0	-166.0	0.00	0.00	0.00
4,600.0	7.72	148.55	4,573.9	-340.0	208.0	-171.8	0.00	0.00	0.00
4,700.0	7.72	148.55	4,673.0	-351.4	215.0	-177.6	0.00	0.00	0.00
4,800.0	7.72	148.55	4,772.1	-362.9	222.0	-183.4	0.00	0.00	0.00
4,900.0	7.72	148.55	4,871.2	-374.4	229.0	-189.1	0.00	0.00	0.00
5,000.0	7.72	148.55	4,970.3	-385.8	236.0	-194.9	0.00	0.00	0.00

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Winterfell 5/6 B2PO FEd Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3832.0usft (Original Well Elev)
Project:	Lea County, New Mexico NAD 83	MD Reference:	WELL @ 3832.0usft (Original Well Elev)
Site:	Winterfell 5/6 B2PO FEd Com #1H	North Reference:	Grid
Well:	Sec 5, T18S, R32E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 500' FSL & 2539' FEL, Sec 6		
Design:	Design #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,100.0	7.72	148.55	5,069.4	-397.3	243.0	-200.7	0.00	0.00	0.00
5,200.0	7.72	148.55	5,168.5	-408.7	250.0	-206.5	0.00	0.00	0.00
5,300.0	7.72	148.55	5,267.6	-420.2	257.0	-212.3	0.00	0.00	0.00
5,400.0	7.72	148.55	5,366.7	-431.6	264.0	-218.1	0.00	0.00	0.00
5,500.0	7.72	148.55	5,465.7	-443.1	271.0	-223.9	0.00	0.00	0.00
5,600.0	7.72	148.55	5,564.8	-454.5	278.0	-229.7	0.00	0.00	0.00
5,700.0	7.72	148.55	5,663.9	-466.0	285.0	-235.4	0.00	0.00	0.00
5,800.0	7.72	148.55	5,763.0	-477.4	292.0	-241.2	0.00	0.00	0.00
5,900.0	7.72	148.55	5,862.1	-488.9	299.1	-247.0	0.00	0.00	0.00
6,000.0	7.72	148.55	5,961.2	-500.4	306.1	-252.8	0.00	0.00	0.00
6,100.0	7.72	148.55	6,060.3	-511.8	313.1	-258.6	0.00	0.00	0.00
6,200.0	7.72	148.55	6,159.4	-523.3	320.1	-264.4	0.00	0.00	0.00
6,300.0	7.72	148.55	6,258.5	-534.7	327.1	-270.2	0.00	0.00	0.00
6,400.0	7.72	148.55	6,357.6	-546.2	334.1	-276.0	0.00	0.00	0.00
6,500.0	7.72	148.55	6,456.7	-557.6	341.1	-281.7	0.00	0.00	0.00
6,600.0	7.72	148.55	6,555.8	-569.1	348.1	-287.5	0.00	0.00	0.00
6,700.0	7.72	148.55	6,654.9	-580.5	355.1	-293.3	0.00	0.00	0.00
6,800.0	7.72	148.55	6,754.0	-592.0	362.1	-299.1	0.00	0.00	0.00
6,900.0	7.72	148.55	6,853.1	-603.4	369.1	-304.9	0.00	0.00	0.00
7,000.0	7.72	148.55	6,952.2	-614.9	376.1	-310.7	0.00	0.00	0.00
7,100.0	7.72	148.55	7,051.3	-626.4	383.1	-316.5	0.00	0.00	0.00
7,200.0	7.72	148.55	7,150.4	-637.8	390.1	-322.3	0.00	0.00	0.00
7,300.0	7.72	148.55	7,249.4	-649.3	397.1	-328.0	0.00	0.00	0.00
7,400.0	7.72	148.55	7,348.5	-660.7	404.2	-333.8	0.00	0.00	0.00
7,500.0	7.72	148.55	7,447.6	-672.2	411.2	-339.6	0.00	0.00	0.00
7,600.0	7.72	148.55	7,546.7	-683.6	418.2	-345.4	0.00	0.00	0.00
7,700.0	7.72	148.55	7,645.8	-695.1	425.2	-351.2	0.00	0.00	0.00
7,800.0	7.72	148.55	7,744.9	-706.5	432.2	-357.0	0.00	0.00	0.00
7,815.3	7.72	148.55	7,760.1	-708.3	433.3	-357.9	0.00	0.00	0.00
7,900.0	6.45	148.55	7,844.1	-717.2	438.7	-362.4	1.50	-1.50	0.00
8,000.0	4.95	148.55	7,943.6	-725.7	443.9	-366.6	1.50	-1.50	0.00
8,100.0	3.45	148.55	8,043.4	-731.9	447.7	-369.8	1.50	-1.50	0.00
8,200.0	1.95	148.55	8,143.3	-735.9	450.1	-371.8	1.50	-1.50	0.00
8,300.0	0.45	148.55	8,243.2	-737.7	451.2	-372.7	1.50	-1.50	0.00
8,329.8	0.00	0.00	8,273.0	-737.8	451.3	-372.8	1.50	-1.50	0.00
KOP: 500' FSL & 10' FEL (5)									
8,350.0	2.43	269.80	8,293.2	-737.8	450.9	-372.4	12.01	12.01	0.00
8,375.0	5.43	269.80	8,318.2	-737.8	449.2	-370.6	12.01	12.01	0.00
8,400.0	8.44	269.80	8,343.0	-737.8	446.1	-367.6	12.01	12.01	0.00
8,425.0	11.44	269.80	8,367.6	-737.8	441.8	-363.4	12.01	12.01	0.00
8,450.0	14.44	269.80	8,392.0	-737.9	436.2	-357.8	12.01	12.01	0.00
8,475.0	17.44	269.80	8,416.0	-737.9	429.4	-350.9	12.01	12.01	0.00
8,500.0	20.45	269.80	8,439.6	-737.9	421.2	-342.9	12.01	12.01	0.00
8,525.0	23.45	269.80	8,462.8	-737.9	411.9	-333.6	12.01	12.01	0.00
8,550.0	26.45	269.80	8,485.5	-738.0	401.4	-323.1	12.01	12.01	0.00
8,575.0	29.46	269.80	8,507.6	-738.0	389.6	-311.4	12.01	12.01	0.00
8,600.0	32.46	269.80	8,529.0	-738.1	376.8	-298.6	12.01	12.01	0.00
8,625.0	35.46	269.80	8,549.7	-738.1	362.8	-284.7	12.01	12.01	0.00
8,638.2	37.05	269.80	8,560.4	-738.1	355.0	-277.0	12.01	12.01	0.00
FTP: 500' FSL & 100' FEL (5)									
8,650.0	38.46	269.80	8,569.7	-738.2	347.8	-269.8	12.01	12.01	0.00
8,675.0	41.47	269.80	8,588.9	-738.2	331.7	-253.8	12.01	12.01	0.00
8,700.0	44.47	269.80	8,607.2	-738.3	314.7	-236.9	12.01	12.01	0.00
8,725.0	47.47	269.80	8,624.5	-738.3	296.7	-219.0	12.01	12.01	0.00

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Winterfell 5/6 B2PO FEd Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3832.0usft (Original Well Elev)
Project:	Lea County, New Mexico NAD 83	MD Reference:	WELL @ 3832.0usft (Original Well Elev)
Site:	Winterfell 5/6 B2PO FEd Com #1H	North Reference:	Grid
Well:	Sec 5, T18S, R32E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 500' FSL & 2539' FEL, Sec 6		
Design:	Design #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,750.0	50.48	269.80	8,640.9	-738.4	277.9	-200.2	12.01	12.01	0.00
8,775.0	53.48	269.80	8,656.3	-738.5	258.2	-180.6	12.01	12.01	0.00
8,800.0	56.48	269.80	8,670.7	-738.5	237.7	-160.2	12.01	12.01	0.00
8,825.0	59.49	269.80	8,683.9	-738.6	216.5	-139.1	12.01	12.01	0.00
8,850.0	62.49	269.80	8,696.1	-738.7	194.6	-117.4	12.01	12.01	0.00
8,875.0	65.49	269.80	8,707.0	-738.8	172.2	-95.0	12.01	12.01	0.00
8,900.0	68.49	269.80	8,716.8	-738.8	149.2	-72.2	12.01	12.01	0.00
8,925.0	71.50	269.80	8,725.3	-738.9	125.7	-48.8	12.01	12.01	0.00
8,950.0	74.50	269.80	8,732.7	-739.0	101.8	-25.0	12.01	12.01	0.00
8,975.0	77.50	269.80	8,738.7	-739.1	77.5	-0.9	12.01	12.01	0.00
9,000.0	80.51	269.80	8,743.5	-739.2	53.0	23.6	12.01	12.01	0.00
9,025.0	83.51	269.80	8,746.9	-739.3	28.2	48.2	12.01	12.01	0.00
9,050.0	86.51	269.80	8,749.1	-739.4	3.3	73.0	12.01	12.01	0.00
9,075.0	89.51	269.80	8,750.0	-739.4	-21.7	97.8	12.01	12.01	0.00
9,078.3	89.92	269.80	8,750.0	-739.5	-25.0	101.2	12.01	12.01	0.00
LP: 500' FSL & 480' FEL (5)									
9,078.5	89.93	269.80	8,750.0	-739.5	-25.1	101.3	12.01	12.01	0.00
9,100.0	89.93	269.80	8,750.0	-739.5	-46.7	122.7	0.00	0.00	0.00
9,200.0	89.93	269.80	8,750.1	-739.9	-146.7	222.2	0.00	0.00	0.00
9,300.0	89.93	269.80	8,750.3	-740.2	-246.7	321.7	0.00	0.00	0.00
9,400.0	89.93	269.80	8,750.4	-740.6	-346.7	421.2	0.00	0.00	0.00
9,500.0	89.93	269.80	8,750.5	-740.9	-446.7	520.7	0.00	0.00	0.00
9,600.0	89.93	269.80	8,750.6	-741.3	-546.7	620.2	0.00	0.00	0.00
9,700.0	89.93	269.80	8,750.8	-741.6	-646.7	719.7	0.00	0.00	0.00
9,800.0	89.93	269.80	8,750.9	-742.0	-746.6	819.2	0.00	0.00	0.00
9,900.0	89.93	269.80	8,751.0	-742.3	-846.6	918.7	0.00	0.00	0.00
9,923.4	89.93	269.80	8,751.0	-742.4	-870.0	941.9	0.00	0.00	0.00
PPP2: 500' FSL & 1325' FEL (5)									
10,000.0	89.93	269.80	8,751.1	-742.7	-946.6	1,018.2	0.00	0.00	0.00
10,100.0	89.93	269.80	8,751.3	-743.0	-1,046.6	1,117.7	0.00	0.00	0.00
10,200.0	89.93	269.80	8,751.4	-743.4	-1,146.6	1,217.2	0.00	0.00	0.00
10,300.0	89.93	269.80	8,751.5	-743.7	-1,246.6	1,316.7	0.00	0.00	0.00
10,400.0	89.93	269.80	8,751.6	-744.0	-1,346.6	1,416.2	0.00	0.00	0.00
10,500.0	89.93	269.80	8,751.7	-744.4	-1,446.6	1,515.7	0.00	0.00	0.00
10,600.0	89.93	269.80	8,751.9	-744.7	-1,546.6	1,615.2	0.00	0.00	0.00
10,700.0	89.93	269.80	8,752.0	-745.1	-1,646.6	1,714.7	0.00	0.00	0.00
10,800.0	89.93	269.80	8,752.1	-745.4	-1,746.6	1,814.2	0.00	0.00	0.00
10,900.0	89.93	269.80	8,752.2	-745.8	-1,846.6	1,913.7	0.00	0.00	0.00
11,000.0	89.93	269.80	8,752.4	-746.1	-1,946.6	2,013.2	0.00	0.00	0.00
11,100.0	89.93	269.80	8,752.5	-746.5	-2,046.6	2,112.7	0.00	0.00	0.00
11,200.0	89.93	269.80	8,752.6	-746.8	-2,146.6	2,212.2	0.00	0.00	0.00
11,300.0	89.93	269.80	8,752.7	-747.2	-2,246.6	2,311.7	0.00	0.00	0.00
11,400.0	89.93	269.80	8,752.8	-747.5	-2,346.6	2,411.2	0.00	0.00	0.00
11,500.0	89.93	269.80	8,753.0	-747.9	-2,446.6	2,510.7	0.00	0.00	0.00
11,600.0	89.93	269.80	8,753.1	-748.2	-2,546.6	2,610.2	0.00	0.00	0.00
11,700.0	89.93	269.80	8,753.2	-748.6	-2,646.6	2,709.7	0.00	0.00	0.00
11,800.0	89.93	269.80	8,753.3	-748.9	-2,746.6	2,809.2	0.00	0.00	0.00
11,900.0	89.93	269.80	8,753.5	-749.3	-2,846.6	2,908.7	0.00	0.00	0.00
12,000.0	89.93	269.80	8,753.6	-749.6	-2,946.6	3,008.2	0.00	0.00	0.00
12,100.0	89.93	269.80	8,753.7	-750.0	-3,046.6	3,107.7	0.00	0.00	0.00
12,200.0	89.93	269.80	8,753.8	-750.3	-3,146.6	3,207.2	0.00	0.00	0.00
12,300.0	89.93	269.80	8,753.9	-750.7	-3,246.6	3,306.8	0.00	0.00	0.00
12,400.0	89.93	269.80	8,754.1	-751.0	-3,346.6	3,406.3	0.00	0.00	0.00

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Winterfell 5/6 B2PO FEd Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3832.0usft (Original Well Elev)
Project:	Lea County, New Mexico NAD 83	MD Reference:	WELL @ 3832.0usft (Original Well Elev)
Site:	Winterfell 5/6 B2PO FEd Com #1H	North Reference:	Grid
Well:	Sec 5, T18S, R32E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 500' FSL & 2539' FEL, Sec 6		
Design:	Design #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
12,500.0	89.93	269.80	8,754.2	-751.3	-3,446.6	3,505.8	0.00	0.00	0.00
12,574.4	89.93	269.80	8,754.3	-751.6	-3,521.0	3,579.8	0.00	0.00	0.00
PPP3: 500' FSL & 3976' FEL (5)									
12,600.0	89.93	269.80	8,754.3	-751.7	-3,546.6	3,605.3	0.00	0.00	0.00
12,700.0	89.93	269.80	8,754.4	-752.0	-3,646.6	3,704.8	0.00	0.00	0.00
12,800.0	89.93	269.80	8,754.6	-752.4	-3,746.6	3,804.3	0.00	0.00	0.00
12,900.0	89.93	269.80	8,754.7	-752.7	-3,846.6	3,903.8	0.00	0.00	0.00
13,000.0	89.93	269.80	8,754.8	-753.1	-3,946.6	4,003.3	0.00	0.00	0.00
13,100.0	89.93	269.80	8,754.9	-753.4	-4,046.6	4,102.8	0.00	0.00	0.00
13,200.0	89.93	269.80	8,755.0	-753.8	-4,146.6	4,202.3	0.00	0.00	0.00
13,300.0	89.93	269.80	8,755.2	-754.1	-4,246.6	4,301.8	0.00	0.00	0.00
13,400.0	89.93	269.80	8,755.3	-754.5	-4,346.6	4,401.3	0.00	0.00	0.00
13,500.0	89.93	269.80	8,755.4	-754.8	-4,446.6	4,500.8	0.00	0.00	0.00
13,600.0	89.93	269.80	8,755.5	-755.2	-4,546.6	4,600.3	0.00	0.00	0.00
13,700.0	89.93	269.80	8,755.7	-755.5	-4,646.6	4,699.8	0.00	0.00	0.00
13,800.0	89.93	269.80	8,755.8	-755.9	-4,746.6	4,799.3	0.00	0.00	0.00
13,899.4	89.93	269.80	8,755.9	-756.2	-4,846.6	4,898.2	0.00	0.00	0.00
PPP4: 500' FSL & 0' FEL (6)									
13,900.0	89.93	269.80	8,755.9	-756.2	-4,846.6	4,898.8	0.00	0.00	0.00
14,000.0	89.93	269.80	8,756.0	-756.6	-4,946.6	4,998.3	0.00	0.00	0.00
14,100.0	89.93	269.80	8,756.1	-756.9	-5,046.6	5,097.8	0.00	0.00	0.00
14,200.0	89.93	269.80	8,756.3	-757.3	-5,146.6	5,197.3	0.00	0.00	0.00
14,300.0	89.93	269.80	8,756.4	-757.6	-5,246.6	5,296.8	0.00	0.00	0.00
14,400.0	89.93	269.80	8,756.5	-757.9	-5,346.6	5,396.3	0.00	0.00	0.00
14,500.0	89.93	269.80	8,756.6	-758.3	-5,446.6	5,495.8	0.00	0.00	0.00
14,600.0	89.93	269.80	8,756.8	-758.6	-5,546.6	5,595.3	0.00	0.00	0.00
14,700.0	89.93	269.80	8,756.9	-759.0	-5,646.6	5,694.8	0.00	0.00	0.00
14,800.0	89.93	269.80	8,757.0	-759.3	-5,746.6	5,794.3	0.00	0.00	0.00
14,900.0	89.93	269.80	8,757.1	-759.7	-5,846.6	5,893.8	0.00	0.00	0.00
15,000.0	89.93	269.80	8,757.3	-760.0	-5,946.6	5,993.3	0.00	0.00	0.00
15,100.0	89.93	269.80	8,757.4	-760.4	-6,046.6	6,092.8	0.00	0.00	0.00
15,200.0	89.93	269.80	8,757.5	-760.7	-6,146.6	6,192.3	0.00	0.00	0.00
15,300.0	89.93	269.80	8,757.6	-761.1	-6,246.6	6,291.8	0.00	0.00	0.00
15,400.0	89.93	269.80	8,757.7	-761.4	-6,346.6	6,391.3	0.00	0.00	0.00
15,500.0	89.93	269.80	8,757.9	-761.8	-6,446.6	6,490.8	0.00	0.00	0.00
15,600.0	89.93	269.80	8,758.0	-762.1	-6,546.6	6,590.3	0.00	0.00	0.00
15,700.0	89.93	269.80	8,758.1	-762.5	-6,646.6	6,689.8	0.00	0.00	0.00
15,800.0	89.93	269.80	8,758.2	-762.8	-6,746.6	6,789.3	0.00	0.00	0.00
15,900.0	89.93	269.80	8,758.4	-763.2	-6,846.6	6,888.8	0.00	0.00	0.00
16,000.0	89.93	269.80	8,758.5	-763.5	-6,946.6	6,988.3	0.00	0.00	0.00
16,100.0	89.93	269.80	8,758.6	-763.9	-7,046.6	7,087.8	0.00	0.00	0.00
16,200.0	89.93	269.80	8,758.7	-764.2	-7,146.6	7,187.3	0.00	0.00	0.00
16,300.0	89.93	269.80	8,758.8	-764.6	-7,246.6	7,286.8	0.00	0.00	0.00
16,400.0	89.93	269.80	8,759.0	-764.9	-7,346.6	7,386.3	0.00	0.00	0.00
16,429.2	89.93	269.80	8,759.0	-765.0	-7,375.8	7,415.4	0.00	0.00	0.00
BHL: 500' FSL 2539' FEL (6)									

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Winterfell 5/6 B2PO FEd Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3832.0usft (Original Well Elev)
Project:	Lea County, New Mexico NAD 83	MD Reference:	WELL @ 3832.0usft (Original Well Elev)
Site:	Winterfell 5/6 B2PO FEd Com #1H	North Reference:	Grid
Well:	Sec 5, T18S, R32E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 500' FSL & 2539' FEL, Sec 6		
Design:	Design #1		

Design Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
SHL: 1240' FSL & 455' F - plan hits target center - Point	0.00	0.00	0.0	0.0	0.0	645,296.80	710,977.70	32.7727390	-103.7814103
KOP: 500' FSL & 10' FE - plan hits target center - Point	0.00	0.00	8,273.0	-737.8	451.3	644,559.00	711,429.00	32.7707046	-103.7799546
FTP: 500' FSL & 100' FE - plan hits target center - Point	0.00	0.00	8,560.4	-738.1	355.0	644,558.67	711,332.70	32.7707051	-103.7802679
LP: 500' FSL & 480' FEL - plan hits target center - Point	0.00	0.00	8,750.0	-739.5	-25.0	644,557.35	710,952.70	32.7707069	-103.7815042
PPP2: 500' FSL & 1325' - plan hits target center - Point	0.00	0.00	8,751.0	-742.4	-870.0	644,554.41	710,107.70	32.7707109	-103.7842533
PPP3: 500' FSL & 3976' - plan hits target center - Point	0.00	0.00	8,754.3	-751.6	-3,521.0	644,545.20	707,456.70	32.7707231	-103.7928779
PPP4: 500' FSL & 0' FEI - plan hits target center - Point	0.00	0.00	8,755.9	-756.2	-4,846.0	644,540.60	706,131.70	32.7707290	-103.7971886
BHL: 500' FSL 2539' FE - plan hits target center - Point	0.00	0.00	8,759.0	-765.0	-7,375.8	644,531.80	703,601.90	32.7707398	-103.8054189

