

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

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

Case No. 21382

**MEWBOURNE OIL COMPANY'S
HEARING EXHIBITS**

Compulsory Pooling Checklist

Exhibit A	Self-Affirmed Statement of Tyler Jolly
A-1	Application
A-2	Midland Map
A-3	C-102s
A-4	Plat of Tracts and Ownership Interests
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 Tyler Hill
B-1	Horizontal Activity and Structure Map

B-2 Cross Section

B-3 Production Table

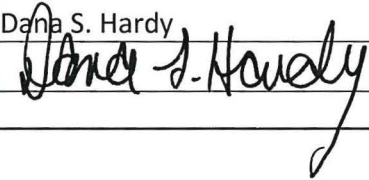
B-4 Well Planning Reports

COMPULSORY POOLING APPLICATION CHECKLIST

ALL INFORMATION IN THE APPLICATION MUST BE SUPPORTED BY SIGNED AFFIDAVITS

Case: 21382	APPLICANT'S RESPONSE
Date	September 8, 2020
Applicant	Mewbourne Oil Company
Designated Operator & OGRID (affiliation if applicable)	14744
Applicant's Counsel:	Dana S. Hardy
Case Title:	Application of Mewbourne Oil Company for Compulsory Pooling, Eddy County, New Mexico
Entries of Appearance/Intervenors:	None
Well Family	Creedence 21-16
Formation/Pool	
Formation Name(s) or Vertical Extent:	Wolfcamp
Primary Product (Oil or Gas):	Gas
Pooling this vertical extent:	Wolfcamp Formation
Pool Name and Pool Code:	Purple Sage Wolfcamp, 98220
Well Location Setback Rules:	330', Purple Sage Wolfcamp
Spacing Unit Size:	360 acres
Spacing Unit	
Type (Horizontal/Vertical)	Horizontal
Size (Acres)	640 acres
Building Blocks:	half-sections
Orientation:	South to North
Description: TRS/County	E/2 Sections 21 and 16, T-24S, R-28E
Standard Horizontal Well Spacing Unit (Y/N), If No, describe	Yes
Other Situations	
Depth Severance: Y/N. If yes, description	n/a
Proximity Tracts: If yes, description	n/a
Proximity Defining Well: if yes, description	n/a
Applicant's Ownership in Each Tract	Exhibit A-4
Well(s)	
Name & API (if assigned), surface and bottom hole location, footages, completion target, orientation, completion status (standard or non-standard)	
Well #1	Creedence 21-16 W1OB Fed Com #1H: SHL 100' FSL and 1235' FEL in Section 21; BHL 330' FNL and 2310' FEL in Section 16; Wolfcamp; standup; standard

Well #2	Creedence 21-16 W0OB Fed Com #2H: SHL 100' FSL and 1205' FEL in Section 21; BHL 330' FNL and 1650' FEL in Section 16; Wolfcamp; standup; standard
Well #3	Creedence 21-16 W0PA Fed Com #1H: SHL 100' FSL and 1145' FEL in Section 21; BHL 330' FNL and 330' FEL in Section 16; Wolfcamp; standup; standard
Well #4	Creedence 21-16 W1PA Fed Com #2H: SHL 100' FSL and 1175' FEL in Section 21; BHL 330' FNL and 990' FEL in Section 16; Wolfcamp; standup; standard
Horizontal Well First and Last Take Points	<p>Creedence 21-16 W1OB Fed Com #1H: FTP 330' FSL and 2310' FEL in Section 21 and LTP 330' FNL and 2310' FEL in Section 16.</p> <p>Creedence 21-16 W0OB Fed Com #2H: FTP 330' FSL and 1650' FEL in Section 21 and LTP 330' FNL and 1650' FEL in Section 16.</p> <p>Creedence 21-16 W0PA Fed Com #1H: FTP 330' FSL and 330' FEL in Section 21 and LTP 330' FNL and 330' FEL in Section 16.</p> <p>Creedence 21-16 W1PA Fed Com #2H: FTP 330' FSL and 990' FEL in Section 21, LTP 330' FNL and 990' FEL in Section 16</p>
Completion Target (Formation, TVD and MD)	<p>Creedence 21-16 W1OB Fed Com #1H: TVD 9,733', TMD 19,778'.</p> <p>Creedence 21-16 W0OB Fed Com #2H: TVD 9,538', TMD 19,580'.</p> <p>Creedence 21-16 W0PA Fed Com #1H: TVD 9,557', TMD of 19,627'.</p> <p>Creedence 21-16 W1PA Fed Com #2H: TVD 9,753, TMD 19,749'</p>
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	None
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	\$8,000/\$800, Exhibit 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	Exhibit B-1
Gunbarrel/Lateral Trajectory Schematic	Exhibit B-4
Well Orientation (with rationale)	Exhibit B
Target Formation	Wolfcamp, Exhibit B
HSU Cross Section	Exhibit B-2
Depth Severance Discussion	n/a
Forms, Figures and Tables	
C-102	Exhibit A-3
Tracts	Exhibit A-4
Summary of Interests, Unit Recapitulation (Tracts)	Exhibit A-5
General Location Map (including basin)	Exhibit A-2
Well Bore Location Map	Exhibit B-1
Structure Contour Map - Subsea Depth	Exhibit B-1
Cross Section Location Map (including wells)	Exhibit B-1
Cross Section (including Landing Zone)	Exhibit B-2
Additional Information	
Special Provisions/Stipulations	n/a
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:	9/8/2020

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

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

Case No. 21382

SELF-AFFIRMED STATEMENT OF
TYLER JOLLY

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

2. I am a landman for Mewbourne Oil Company ("Mewbourne"). I have had direct involvement with Mewbourne's development of the 640-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 E/2 of Section 21 and the E/2 of Section 16, Township 24 South, Range 28 East in Eddy County, New Mexico. A Midland Map depicting the proposed HSU is attached as Exhibit A-2.

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

6. The horizontal spacing unit will be dedicated to the following wells:

- (a) Creedence 21-16 W1OB Fed Com #1H well, which will be horizontally drilled from a surface location in Unit P in Section 21 to a bottom hole

Case No. 21382

MEWBOURNE OIL
Exhibit A

location in Unit B in Section 16, Township 24 South, Range 28 East. The first take point is 330' FSL and 2310' FEL in Section 21 and the last take point is 330' FNL and 2310' FEL in Section 16. The target interval is the Wolfcamp formation at a TVD of 9,733' and a TMD of 19,778'.

- (b) Creedence 21-16 W00B Fed Com #2H well, which will be horizontally drilled from a surface location in Unit P in Section 21 to a bottom hole location in Unit B in Section 16, Township 24 South, Range 28 East. The first take point is 330' FSL and 1650' FEL in Section 21 and the last take point is 330' FNL and 1650' FEL in Section 16. The target interval is the Wolfcamp formation at a TVD of 9,538' and a TMD of 19,580'.
- (c) Creedence 21-16 W0PA Fed Com #1H well, which will be horizontally drilled from a surface location in Unit P in Section 21 to a bottom hole location in Unit A in Section 16, Township 24 South, Range 28 East. The first take point is 330' FSL and 330' FEL in Section 21 and the last take point is 330' FNL and 330' FEL in Section 16. The target interval is the Wolfcamp formation at a TVD of 9,557' and a TMD of 19,627'.
- (d) Creedence 21-16 W1PA Fed Com #2H well, which will be horizontally drilled from a surface location in Unit P in Section 21 to a bottom hole location in Unit A in Section 16, Township 24 South, Range 28 East. The first take point is 330' FSL and 990' FEL in Section 21 and the last take point is 330' FNL and 990' FEL in Section 16. The target interval is the Wolfcamp formation at a TVD of 9,753' and a TMD of 19,749'.

8. The proposed wells will be completed from South to North, and the completed intervals of the wells will be orthodox.

9. The proposed wells are located in the Purple Sage Wolfcamp; Gas (Pool Code: 98220). The primary product in the pool is gas. This pool is subject to 330' setback requirements for the Purple Sage Wolfcamp. Spacing in this pool is based on half sections, and the HSU is constructed based on half sections.

10. The C-102s for the proposed wells are 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. The pooled parties are identified in Exhibit A-6. There were no unlocatable interests.

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

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

C. Joinder

16. I sent well proposal letters to the uncommitted interests on June 5, 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. 77.44% of the working interests are committed to the proposed well.

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

D. Notice of Hearing

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

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

22. Notice of Mewbourne's application and the Division hearing was published more than ten business days prior to the hearing date. The affidavits of publication are attached as Exhibit A-12.

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

E. Drilling and Operating Costs

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

25. Mewbourne requests overhead and administrative rates of \$8,000 per month while the wells are being drilled and \$800 per month while the wells are 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.

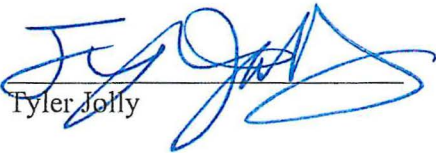
26. Mewbourne requests that it be designated the operator of the wells.

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

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

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

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


Tyler Jolly

8/28/2020
Date

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

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

Case No. 21382

APPLICATION

Pursuant to NMSA § 70-2-17, Mewbourne Oil Company ("Mewbourne") applies for an order pooling all uncommitted mineral interests in the Wolfcamp formation in a 640-acre, more or less, standard horizontal spacing unit comprised of the E/2 of Section 21 and the E/2 of Section 16, Township 24 South, Range 28 East in Eddy County, New Mexico. In support of its application, Mewbourne states the following.

1. Mewbourne (OGRID No. 14744) is a working interest owner in the proposed horizontal spacing unit and has the right to drill wells thereon.
2. The horizontal spacing unit will be dedicated to the following wells:
 - (a) Creedence 21-16 W1OB Fed Com #1H well, which will be horizontally drilled from a surface location in Unit P in Section 21 to a bottom hole location in Unit B in Section 16, Township 24 South, Range 28 East;
 - (b) Creedence 21-16 W0OB Fed Com #2H well, which will be horizontally drilled from a surface location in Unit P in Section 21 to a bottom hole location in Unit B in Section 16, Township 24 South, Range 28 East;
 - (c) Creedence 21-16 W0PA Fed Com #1H well, which will be horizontally drilled from a surface location in Unit P in Section 21 to a bottom hole location in Unit A in Section 16, Township 24 South, Range 28 East; and

Case No. 21382

**MEWBOURNE OIL
Exhibit A-1**

(d) Creedence 21-16 W1PA Fed Com #2H well, which will be horizontally drilled from a surface location in Unit P in Section 21 to a bottom hole location in Unit A in Section 16, Township 24 South, Range 28 East.

3. The completed intervals for the wells 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 wells but has been unable to obtain voluntary agreements from all of the mineral interest owners.

5. The pooling of all uncommitted mineral interests in the Wolfcamp formation underlying the E/2 of Section 21 and the E/2 of Section 16 will avoid the drilling of unnecessary wells, prevent waste, and protect correlative rights.

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 September 10, 2020 and that, after notice and hearing, the Division enter an order:

A. Pooling all uncommitted mineral interests in the Wolfcamp formation underlying the E/2 of Section 21 and the E/2 of Section 16, Township 24 South, Range 28 East in Eddy County;

B. Designating Mewbourne as the operator of the Creedence 21-16 W1OB Fed Com #1H, Creedence 21-16 W0OB Fed Com #2H, Creedence 21-16 W0PA Fed Com #1H, and Creedence 21-16 W1PA Fed Com #2H wells;

C. Authorizing Mewbourne to recover its costs of drilling, equipping, and completing the Creedence 21-16 W1OB Fed Com #1H, Creedence 21-16 W0OB Fed Com #2H, Creedence

21-16 W0PA Fed Com #1H, and Creedence 21-16 W1PA Fed Com #2H wells and allocating the costs among the wells' 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 Creedence 21-16 W1OB Fed Com #1H, Creedence 21-16 W0OB Fed Com #2H, Creedence 21-16 W0PA Fed Com #1H, and Creedence 21-16 W1PA Fed Com #2H wells against any mineral interest owner who does not voluntarily participate in the drilling of the wells.

Respectfully submitted,

HINKLE SHANOR LLP

/s/ Dana S. Hardy

Dana S. Hardy

Dioscoro "Andy" Blanco

P.O. Box 2068

Santa Fe, NM 87504-2068

Phone: (505) 982-4554

Facsimile: (505) 982-8623

dhardy@hinklelawfirm.com

dblanc@hinklelawfirm.com

Counsel for Mewbourne Oil Company



MEWBOURNE OIL
Exhibit A-2

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Case No. 21382
MEWBOURNE OIL
Exhibit A-3

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	² Pool Code	³ Pool Name
⁴ Property Code	⁵ Property Name CREEDENCE 21/16 W10B FED COM	⁶ Well Number 1H
⁷ OGRID NO.	⁸ Operator Name MEWBOURNE OIL COMPANY	⁹ Elevation 3005'

¹⁰ Surface Location

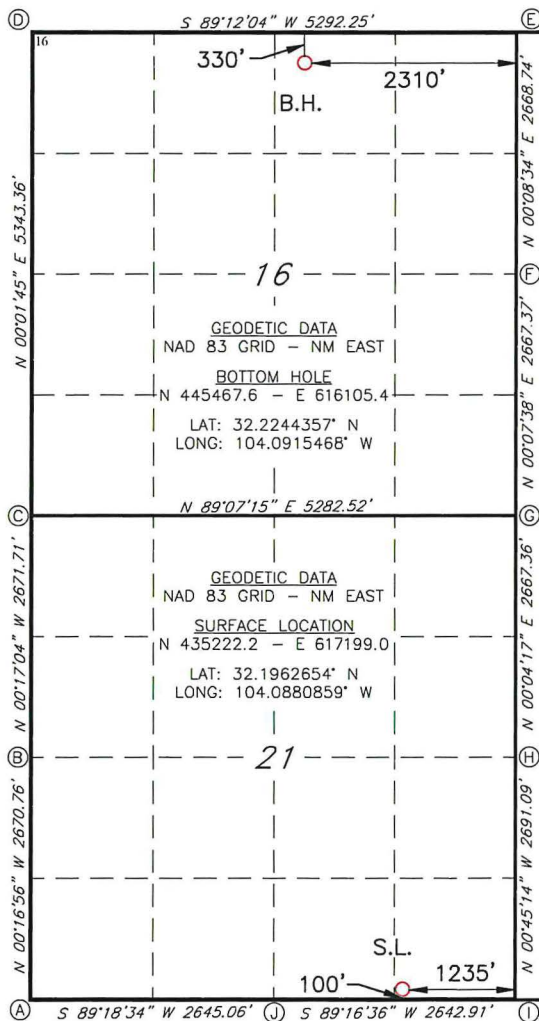
UL or lot no. P	Section 21	Township 24S	Range 28E	Lot Idn	Feet from the 100	North/South line SOUTH	Feet From the 1235	East/West line EAST	County EDDY
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no. B	Section 16	Township 24S	Range 28E	Lot Idn	Feet from the 330	North/South line NORTH	Feet from the 2310	East/West line EAST	County EDDY
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¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.



CORNER DATA
NAD 83 GRID - NM EAST
A: FOUND BRASS CAP "1942"
N 435072.6 - E 613148.6
B: FOUND BRASS CAP "1942"
N 437742.8 - E 613135.4
C: CALCULATED CORNER
N 440413.8 - E 613122.2
D: FOUND 10D NAIL
N 445756.0 - E 613124.9
E: CALCULATED CORNER
N 445829.8 - E 618415.5
F: FOUND BRASS CAP "1942"
N 443161.6 - E 618408.8
G: CALCULATED CORNER
N 440494.9 - E 618402.9
H: FOUND BRASS CAP "1942"
N 437828.1 - E 618399.6
I: FOUND BRASS CAP "1942"
N 435137.9 - E 618435.0
J: FOUND BRASS CAP "1942"
N 435104.5 - E 615792.9

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 _____

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.

02-19-2020

Date of Survey

Signature and Seal of Professional Surveyor

19680

Certificate Number



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
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1220 S. St. Francis Dr., Santa Fe, NM 87505
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State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number		² Pool Code		³ Pool Name	
⁴ Property Code		⁵ Property Name CREEDENCE 21/16 WOOB FED COM			
⁷ OGRID NO.		⁸ Operator Name MEWBOURNE OIL COMPANY			
		⁶ Well Number 2H			
		⁹ Elevation 3005'			

¹⁰ Surface Location

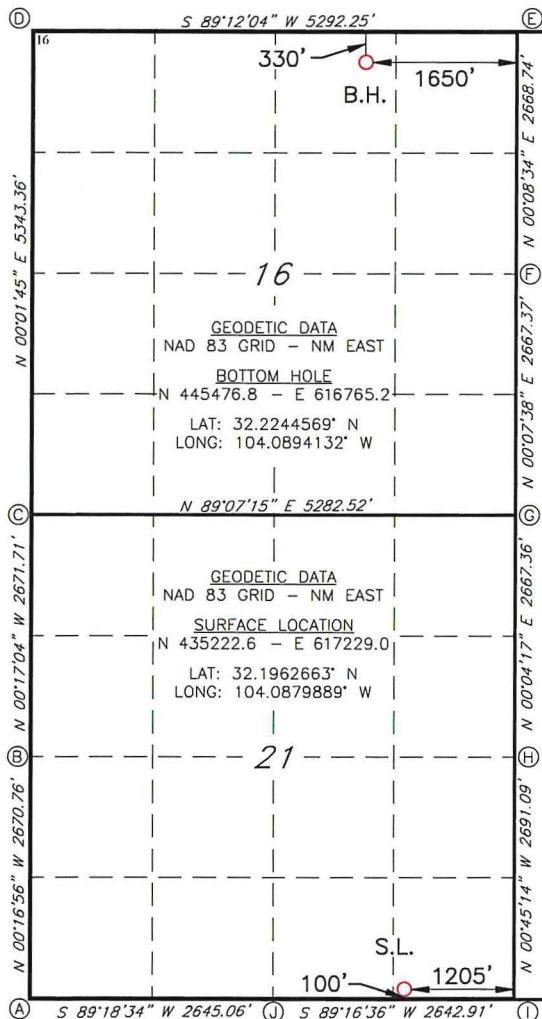
UL or lot no. P	Section 21	Township 24S	Range 28E	Lot Idn	Feet from the 100	North/South line SOUTH	Feet From the 1205	East/West line EAST	County EDDY
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no. B	Section 16	Township 24S	Range 28E	Lot Idn	Feet from the 330	North/South line NORTH	Feet from the 1650	East/West line EAST	County EDDY
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¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.



¹⁷ OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature _____ Date _____
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.

02-19-2020

Date of Survey

Signature and Seal of Professional Surveyor

19680

Certificate Number

RRC - Job No.: LS20020135

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State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	² Pool Code	³ Pool Name
⁴ Property Code	⁵ Property Name CREEDENCE 21/16 W1PA FED COM	⁶ Well Number 2H
⁷ OGRID NO.	⁸ Operator Name MEWBOURNE OIL COMPANY	⁹ Elevation 3005'

¹⁰ Surface Location

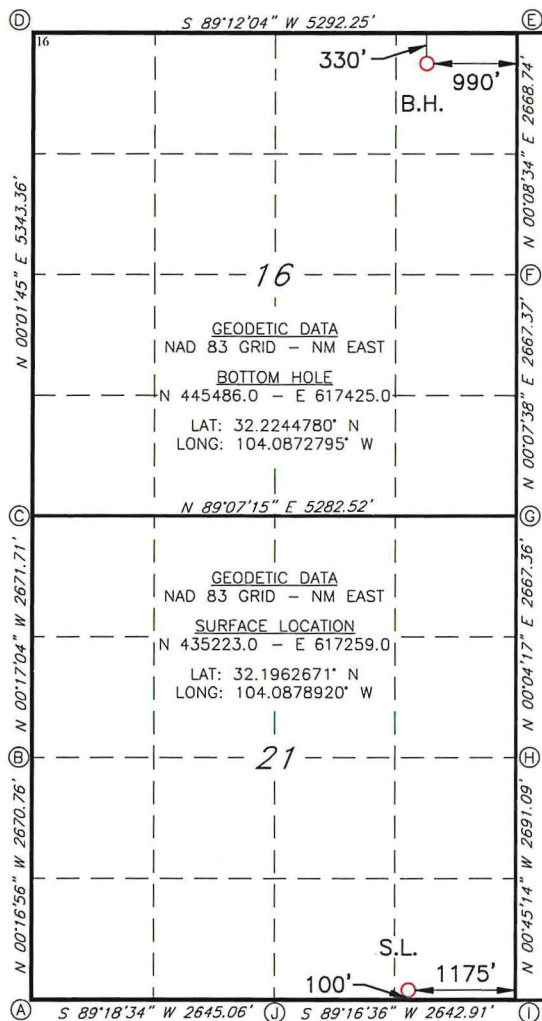
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet From the	East/West line	County
P	21	24S	28E		100	SOUTH	1175	EAST	EDDY

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	16	24S	28E		330	NORTH	990	EAST	EDDY

¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.



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 G: CALCULATED CORNER
 N 440494.9 - E 618402.9
 H: FOUND BRASS CAP "1942"
 N 437828.1 - E 618399.6
 I: FOUND BRASS CAP "1942"
 N 435137.9 - E 618435.0
 J: FOUND BRASS CAP "1942"
 N 435104.5 - E 615792.9

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 _____

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.

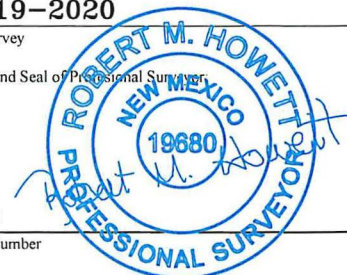
02-19-2020

Date of Survey

Signature and Seal of Professional Surveyor

19680

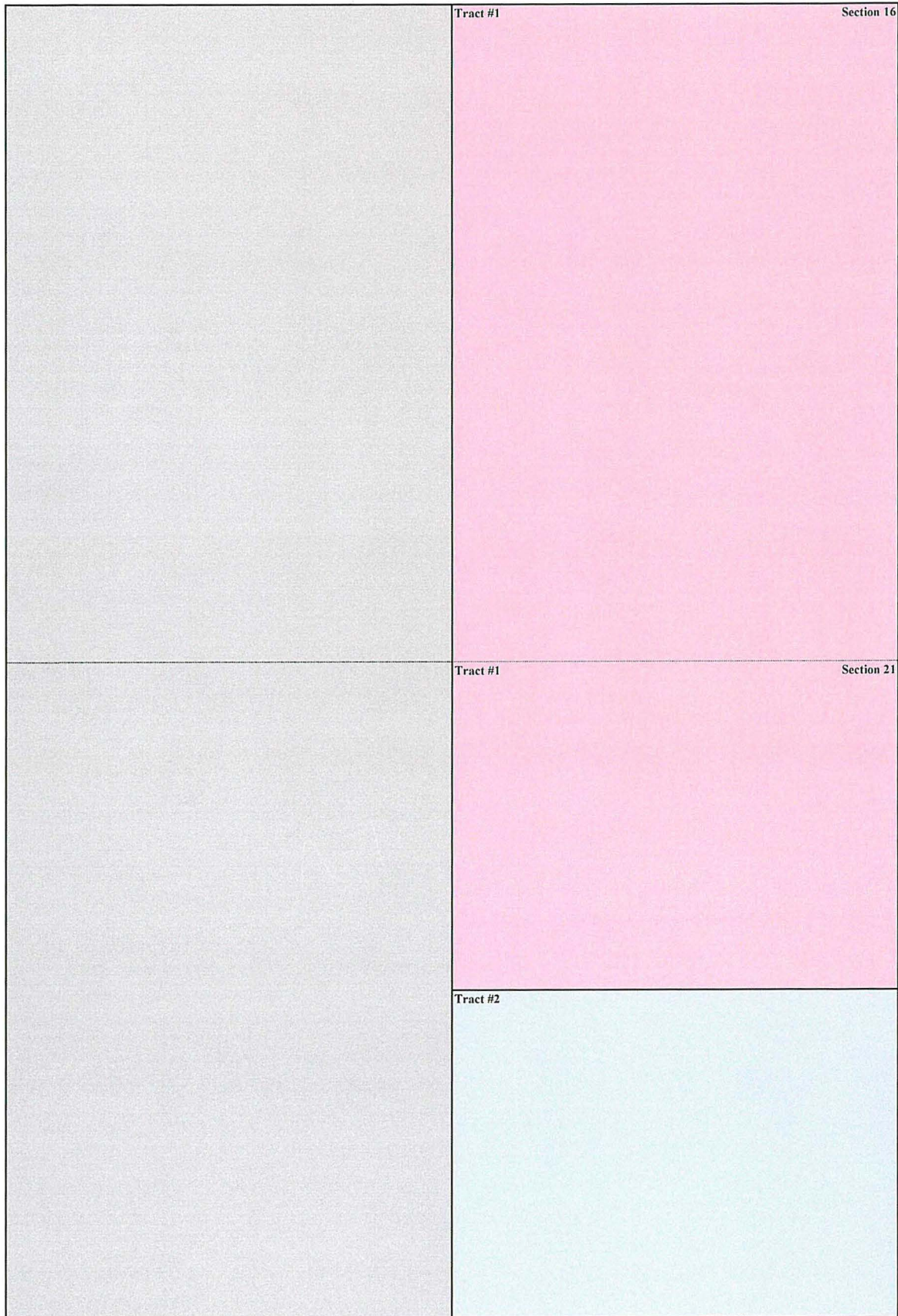
Certificate Number



RRC - Job No.:

LS20020138

Section Plat
Creedence 21-16 W1OB Fed Com #1H
Creedence 21-16 W0OB Fed Com #2H
Creedence 21-16 W0PA Fed Com #1H
Creedence 21-16 W1PA Fed Com #2H
E2 of Section 21 & E2 of Section 16, T24S, R28E, Eddy County, NM



Case No. 21382
MEWBOURNE OIL
Exhibit A-4

Tract #1: NE4 of Section 21 & E2 of Section 16

Mewbourne Oil Company	26.9400360%
COG Operating LLC	25.5621350%
C M. Resources, LLC	12.5000000%
Marathon Oil Permian LLC	11.5812140%
Marshall & Winston Inc.	6.2500000%
McCombs Exploration, LLC	3.5174600%
Veritas Permian Resources, LL	2.8363620%
Kennedy Minerals, Ltd.	2.5000000%
Crown Oil Partners, LP	1.2136370%
C.D. Ray Exploration, LLC	1.0254830%
Blanco Holdings I, LLC	0.9454560%
Royal Oak Oil & Gas, LLC	0.6363630%
Tom M. Ragsdale	0.6363620%
Collins & Jones Investments	0.6250000%
Warren Ventures, Ltd.	0.5000000%
Crump Family Partnership, Ltd	0.4451870%
Fasken Land & Minerals, Ltd	0.3610850%
KCK Energy LLC	0.2585420%
TIG Properties, LP	0.1875000%
Attwell Interests, Inc.	0.1818190%
James J. Braniff, III	0.1818190%
Kevin M. Cokinos	0.1818190%
R. Miller Houghton	0.1818190%
Wellington Hotwells	0.1454530%
Jane B. Ramsland Oil & Gas Pr	0.1375000%
John Wenck, Jr.	0.1363620%
Claudia R. Burch	0.0710410%
Elizabeth R. Robinson	0.0710410%
Bahnhof Holdings, LP	0.0710410%
Brett D. Taylor	0.0545470%
Dinero Energy Corporation	0.0366670%
TBO Oil & Gas LLC	0.0312500%
	100.0000000%

Tract #2: SE4 of Section 21

Mewbourne Oil Company	27.3963950%
COG Operating LLC	27.9516800%
McCombs Energy, LLC	21.1047600%
Marshall & Winston Inc.	18.7500000%
Marathon Oil Permian LLC	0.1781650%
Fasken Land & Minerals, Ltd	2.1190000%
T.I.G. Properties, LP	0.5000000%
KCK Energy LLC	0.7325000%
Jane B. Ramsland Oil & Gas Pr	0.4500000%
Claudia R. Burch	0.2325000%
Elizabeth R. Robinson	0.2325000%
Bahnhof Holdings, LP	0.2325000%
Dinero Energy Corporation	0.1200000%
	100.0000000%

Indicates parties being pooled

RECAPITULATION

Tract Number	Number of Acres Committed	Percentage of Interest in Communitized Area
1	480	75.000000%
2	160	25.000000%
TOTAL	640	100.000000%

Case No. 21382

MEWBOURNE OIL

Exhibit A-5

Tract #1: NE4 of Section 21 & E2 of Section 16

Mewbourne Oil Company	26.9400360%
COG Operating LLC	25.5621350%
C M Resources, LLC	12.5000000%
Marathon Oil Permian LLC	11.5812140%
Marshall & Winston Inc.	6.2500000%
McCombs Exploration, LLC	3.5174600%
Veritas Permian Resources, LL	2.8363620%
Kennedy Minerals, Ltd.	2.5000000%
Crown Oil Partners, LP	1.2136370%
C.D. Ray Exploration, LLC	1.0234830%
Blanco Holdings I, LLC	0.9454560%
Royal Oak Oil & Gas, LLC	0.6363630%
Tom M. Ragsdale	0.6363620%
Collins & Jones Investments	0.6250000%
Warren Ventures, Ltd.	0.5000000%
Crump Family Partnership, Ltd	0.4431870%
Fasken Land & Minerals, Ltd	0.3610850%
KCK Energy LLC	0.2585420%
TIG Properties, LP	0.1875000%
Attwell Interests, Inc.	0.1818190%
James J. Bramiff, III	0.1818190%
Kevin M. Cokinos	0.1818190%
R. Miller Houghton	0.1818190%
Wellington Hotwells	0.1454530%
Jane B. Ramsland Oil & Gas Pr	0.1375000%
John Wenck, Jr.	0.1363620%
Claudia R. Burch	0.0710410%
Elizabeth R. Robinson	0.0710410%
Bahnhof Holdings, LP	0.0710410%
Brett D. Taylor	0.0545470%
Dinero Energy Corporation	0.0366670%
TBO Oil & Gas LLC	0.0312500%
	100.0000000%

Tract #2: SE4 of Section 21

Mewbourne Oil Company	27.3963950%
COG Operating LLC	27.9516800%
McCombs Energy, LLC	21.1047600%
Marshall & Winston Inc.	18.7500000%
Marathon Oil Permian LLC	0.1781650%
Fasken Land & Minerals, Ltd	2.1190000%
T.I.G. Properties, LP	0.5000000%
KCK Energy LLC	0.7325000%
Jane B. Ramsland Oil & Gas Pr	0.4500000%
Claudia R. Burch	0.2325000%
Elizabeth R. Robinson	0.2325000%
Bahnhof Holdings, LP	0.2325000%
Dinero Energy Corporation	0.1200000%
	100.0000000%

Indicates parties being pooled

Case No. 21382

MEWBOURNE OIL

Exhibit A-6

MEWBOURNE OIL COMPANY

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

June 5, 2020

Via Certified Mail

COG Operating LLC
600 W. Illinois Ave.
Midland, TX 79701

Re: Creedence 21-16 W1OB Fed Com #1H
Creedence 21-16 W0OB Fed Com #2H
Creedence 21-16 W1PA Fed Com #2H
Creedence 21-16 W0PA Fed Com #1H
Kansas 28-33 W0BO Fed Com #1H
Kansas 28-33 W1OB Fed Com #2H
Kansas 28-33 W0AP Fed Com #1H
Kansas 28-33 W1AP Fed Com #2H
E2 of Section 16, E2 of Section 21
E2 of Section 28, E2 of Section 33
T24S, R28E, Eddy County, New Mexico

Ladies and Gentlemen:

In preparation for completing our Creedence/Kansas upper Wolfcamp development, Mewbourne Oil Company ("MOC"), as Operator, hereby proposes drilling the following eight (8) horizontal tests:

- 1) Creedence 21-16 W1OB Fed Com #1H – APD in process
Surface Location: 100' FSL, 1235' FEL, Section 21
Bottom Hole Location: 330' FNL, 2310' FEL, Section 16
Proposed Total Vertical Depth: 9733'
Proposed Total Measured Depth: 19778'
Formation: Wolfcamp
- 2) Creedence 21-16 W0OB Fed Com #2H – APD in process
Surface Location: 100' FSL, 1205' FEL, Section 21
Bottom Hole Location: 330' FNL, 1650' FEL, Section 16
Proposed Total Vertical Depth: 9538'
Proposed Total Measured Depth: 19580'
Formation: Wolfcamp
- 3) Creedence 21-16 W1PA Fed Com #2H – APD in process
Surface Location: 100' FSL, 1175' FEL, Section 21
Bottom Hole Location: 330' FNL, 990' FEL, Section 16
Proposed Total Vertical Depth: 9753'
Proposed Total Measured Depth: 19749'
Formation: Wolfcamp

Case No. 21382

MEWBOURNE OIL
Exhibit A-7

Creedence 21-16 W1OB Fed Com #1H
Creedence 21-16 W0OB Fed Com #2H
Creedence 21-16 W1PA Fed Com #2H
Creedence 21-16 W0PA Fed Com #1H
Kansas 28-33 W0BO Fed Com #1H
Kansas 28-33 W1OB Fed Com #2H
Kansas 28-33 W0AP Fed Com #1H
Kansas 28-33 W1AP Fed Com #2H

Page 2 of 3

- 4) Creedence 21-16 W0PA Fed Com #1H – APD in process
Surface Location: 100' FSL, 1145' FEL, Section 21
Bottom Hole Location: 330' FNL, 330' FEL, Section 16
Proposed Total Vertical Depth: 9557'
Proposed Total Measured Depth: 19627'
Formation: Wolfcamp
- 5) Kansas 28-33 W0BO Fed Com #1H – APD in process
Surface Location: 100' FNL, 1205' FEL, Section 28
Bottom Hole Location: 330' FSL, 1650' FEL, Section 33
Proposed Total Vertical Depth: 9538'
Proposed Total Measured Depth: 19654'
Formation: Wolfcamp
- 6) Kansas 28-33 W1BO Fed Com #2H – APD in process
Surface Location: 100' FNL, 1235' FEL, Section 28
Bottom Hole Location: 330' FSL, 2310' FEL, Section 33
Proposed Total Vertical Depth: 9735'
Proposed Total Measured Depth: 19852'
Formation: Wolfcamp
- 7) Kansas 28-33 W0AP Fed Com #1H – APD in process
Surface Location: 100' FNL, 1145' FEL, Section 28
Bottom Hole Location: 330' FSL, 330' FEL, Section 33
Proposed Total Vertical Depth: 9558'
Proposed Total Measured Depth: 19706'
Formation: Wolfcamp
- 8) Kansas 28-33 W1AP Fed Com #2H – APD in process
Surface Location: 100' FNL, 1175' FEL, Section 28
Bottom Hole Location: 330' FSL, 990' FEL, Section 33
Proposed Total Vertical Depth: 9759'
Proposed Total Measured Depth: 19831'
Formation: Wolfcamp

The wells will be pad drilled with the first well tentatively planned to spud 1st quarter 2021 depending on commodity prices. In the event you elect to participate in the proposed wells, please execute the enclosed Operating Agreement (the "OA") and AFEs before returning them to the undersigned within thirty (30) days. The OA will supersede the Operating Agreement dated April 15, 2018 as to the E2 of Section 16 and NE4 of Section 21 and will spread your interest across the captioned lands as to the Wolfcamp formation for two-mile development. Any existing wellbores will be unaffected by this new OA. The OA lists a non-consent penalty of 300%/100% and COPAS drilling/producing rates of \$8000/month and \$800/month respectively. Please enclose your most current well information requirements so that we may supply well data when available.

Creedence 21-16 W1OB Fed Com #1H
Creedence 21-16 W0OB Fed Com #2H
Creedence 21-16 W1PA Fed Com #2H
Creedence 21-16 W0PA Fed Com #1H
Kansas 28-33 W0BO Fed Com #1H
Kansas 28-33 W1OB Fed Com #2H
Kansas 28-33 W0AP Fed Com #1H
Kansas 28-33 W1AP Fed Com #2H

Page 3 of 3

Please contact me at (432) 682-3715 or via email at tjolly@mewbourne.com if you have any questions.

Very truly yours,

MEWBOURNE OIL COMPANY

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

Tyler Jolly
Landman

Enclosures

Summary of Communications
Creedence 21-16 W1OB Fed Com #1H
Creedence 21-16 W0OB Fed Com #2H
Creedence 21-16 W0PA Fed Com #1H
Creedence 21-16 W1PA Fed Com #2H

COG OPERATING LLC

1. June 5, 2020, sent well proposal via certified mail. Proof of Delivery is attached.
2. Email correspondence from June 10, 2020 through August 25, 2020 attached.

CM RESOURCES, LLC

1. June 5, 2020, sent well proposal via certified mail. Proof of Delivery is attached.
2. Email correspondence from June 25, 2020 through August 10, 2020 attached.

MARATHON OIL PERMIAN LLC

1. June 5, 2020, sent well proposal via certified mail. Proof of Delivery is attached.
2. Email correspondence from June 22, 2020 through August 19, 2020 attached.

CROWN OIL PARTNERS, LP AND CRUMP FAMILY PARTNERSHIP, LTD.

1. June 5, 2020, sent well proposal via certified mail. Proof of Delivery is attached.
2. Email correspondence from June 23, 2020 through August 20, 2020 attached.

TOM RAGSDALE

1. June 5, 2020, sent well proposal via certified mail. Proof of Delivery is attached.

FASKEN LAND & MINERALS, LTD.

1. June 5, 2020, sent well proposal via certified mail. Proof of Delivery is attached.
2. Email correspondence from June 10, 2020 through July 7, 2020 attached.

Case No. 21382

MEWBOURNE OIL
Exhibit A-8



June 8, 2020

Dear Simple Certified:

The following is in response to your request for proof of delivery on your item with the tracking number:
9402 8106 9994 5050 7924 85.

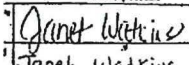
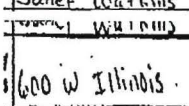
Item Details

Status: Delivered, Individual Picked Up at Postal Facility
Status Date / Time: June 8, 2020, 8:48 am
Location: MIDLAND, TX 79701
Postal Product: Priority Mail®
Extra Services: Certified Mail™
Return Receipt Electronic
Up to \$50 insurance included
Recipient Name: COG Operating LLC

Shipment Details

Weight: 1.0oz

Recipient Signature

Signature of Recipient:	
Address of Recipient:	

Note: Scanned image may reflect a different destination address due to Intended Recipient's delivery instructions on file.

Thank you for selecting the United States Postal Service® for your mailing needs. If you require additional assistance, please contact your local Post Office™ or a Postal representative at 1-800-222-1811.

Sincerely,
United States Postal Service®
475 L'Enfant Plaza SW
Washington, D.C. 20260-0004

COG Operating LLC
600 W. Illinois Ave
Midland, Tx 79701
Reference #: Creedence 21-16

Tyler Jolly

From: Sarah Byrne <SByrne@concho.com>
Sent: Thursday, June 25, 2020 10:07 AM
To: Tyler Jolly
Cc: Brent Sawyer; Liz Williams; Caroline Valles; Netha Aaron
Subject: RE: [EXT] Creedence / Kansas Wells

Thanks so much for this Tyler! You're awesome 🙏

From: Tyler Jolly <tjolly@mewbourne.com>
Sent: Thursday, June 25, 2020 9:59 AM
To: Sarah Byrne <SByrne@concho.com>
Cc: Brent Sawyer <BSawyer@concho.com>; Liz Williams <lwilliams@concho.com>; Caroline Valles <CValles@concho.com>; Netha Aaron <OAaron@concho.com>
Subject: [External] RE: [EXT] Creedence / Kansas Wells

**** External email. Use caution. ****

Sarah,

See attached plats. The first batch of four (4) wells is scheduled to spud in November. This could change depending on commodity prices.

I'll try to get you more information on proppant, water, etc. I would imagine they would be similar to the first four (4) Creedence wells that were drilled in the W2.

Tyler Jolly
Mewbourne Oil Company
500 West Texas, Suite 1020,
Midland, TX 79701
Ph: 432-682-3715

From: Sarah Byrne <SByrne@concho.com>
Sent: Wednesday, June 10, 2020 1:11 PM
To: Tyler Jolly <tjolly@mewbourne.com>
Cc: Brent Sawyer <BSawyer@concho.com>; Liz Williams <lwilliams@concho.com>; Caroline Valles <CValles@concho.com>; Netha Aaron <OAaron@concho.com>
Subject: [EXT] Creedence / Kansas Wells

Good Afternoon Tyler,

We received your proposal letter today and I wanted to ask if you could please provide the following:

- Plats
- Geo Progs
- Anticipated Spud Date
- Anticipated Completion Date
- Anticipated First Production Date
- Title Info (redacted is fine)
- Total Propant- Pounds/Foot

- Total Water -Gallons/Foot
- Intended Primary Lift- ESP/Gas/Other?
- Producing Method -Casing or Tubing?

Thanks,

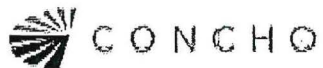
Sarah Byrne

Land Assistant II- Joint Interest Ventures

sbyrne@concho.com

600 W. Illinois Ave. | Midland, TX 79701

Direct: 432.686.3051 | Main: 432.683.7443



Tyler Jolly

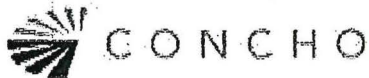
From: Brent Sawyer <BSawyer@concho.com>
Sent: Tuesday, August 25, 2020 4:15 PM
To: Tyler Jolly
Subject: RE: [EXT] kansas/creedence

Tyler:

Sorry, been meaning to shoot you an update. I got my list of requested changes back from our legal folks and want to get Mark to look them over so that hopefully getting the OA finished up will go quickly. I plan to get it over to you tomorrow morning. Don't expect there will be any surprises for you on the list.

Thanks

Brent Sawyer, CPL | Landman | COG Operating LLC
600 W. Illinois Avenue | Midland, TX 79701 | 432.686.3015



From: Tyler Jolly <tjolly@mewbourne.com>
Sent: Tuesday, August 25, 2020 3:55 PM
To: Brent Sawyer <BSawyer@concho.com>
Subject: [External] RE: [EXT] kansas/creedence

**** External email. Use caution. ****

Brent,

What is the status here? The 1st 4 wells are going to spud in October.

Tyler Jolly
Mewbourne Oil Company
500 West Texas, Suite 1020,
Midland, TX 79701
Ph: 432-682-3715

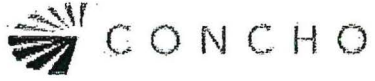
From: Brent Sawyer <BSawyer@concho.com>
Sent: Thursday, July 30, 2020 3:11 PM
To: Tyler Jolly <tjolly@mewbourne.com>
Subject: [EXT] kansas/creedence

Tyler:

Also, in our meeting today we discussed the E2 Kansas/Creedence 1280ac OA and once we work out the form we're in. I'll review it and get any requested changes to you sometime next week if that works? Looks like we received the comm agreements today in the mail so I'll plan on getting those signed concurrent to the OA.

Thanks

Brent Sawyer, CPL | Landman | COG Operating LLC
600 W. Illinois Avenue | Midland, TX 79701 | 432.686.3015



MEWBOURNE OIL COMPANY

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

June 5, 2020

Via Certified Mail

CM Resources, LLC
300 N. Marienfeld Street, Suite 1000
Midland, Texas 79701

Re: Creedence 21-16 W1OB Fed Com #1H
Creedence 21-16 W0OB Fed Com #2H
Creedence 21-16 W1PA Fed Com #2H
Creedence 21-16 W0PA Fed Com #1H
Kansas 28-33 W0BO Fed Com #1H
Kansas 28-33 W1OB Fed Com #2H
Kansas 28-33 W0AP Fed Com #1H
Kansas 28-33 W1AP Fed Com #2H
E2 of Section 16, E2 of Section 21
E2 of Section 28, E2 of Section 33
T24S, R28E, Eddy County, New Mexico

Ladies and Gentlemen:

In preparation for completing our Creedence/Kansas upper Wolfcamp development, Mewbourne Oil Company ("MOC"), as Operator, hereby proposes drilling the following eight (8) horizontal tests:

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Proposed Total Measured Depth: 19778'
Formation: Wolfcamp
- 2) Creedence 21-16 W0OB Fed Com #2H – APD in process
Surface Location: 100' FSL, 1205' FEL, Section 21
Bottom Hole Location: 330' FNL, 1650' FEL, Section 16
Proposed Total Vertical Depth: 9538'
Proposed Total Measured Depth: 19580'
Formation: Wolfcamp
- 3) Creedence 21-16 W1PA Fed Com #2H – APD in process
Surface Location: 100' FSL, 1175' FEL, Section 21
Bottom Hole Location: 330' FNL, 990' FEL, Section 16
Proposed Total Vertical Depth: 9753'
Proposed Total Measured Depth: 19749'
Formation: Wolfcamp

Creedence 21-16 W1OB Fed Com #1H
Creedence 21-16 W0OB Fed Com #2H
Creedence 21-16 W1PA Fed Com #2H
Creedence 21-16 W0PA Fed Com #1H
Kansas 28-33 W0BO Fed Com #1H
Kansas 28-33 W1OB Fed Com #2H
Kansas 28-33 W0AP Fed Com #1H
Kansas 28-33 W1AP Fed Com #2H

Page 2 of 3

- 4) Creedence 21-16 W0PA Fed Com #1H – APD in process
Surface Location: 100' FSL, 1145' FEL, Section 21
Bottom Hole Location: 330' FNL, 330' FEL, Section 16
Proposed Total Vertical Depth: 9557'
Proposed Total Measured Depth: 19627'
Formation: Wolfcamp
- 5) Kansas 28-33 W0BO Fed Com #1H – APD in process
Surface Location: 100' FNL, 1205' FEL, Section 28
Bottom Hole Location: 330' FSL, 1650' FEL, Section 33
Proposed Total Vertical Depth: 9538'
Proposed Total Measured Depth: 19654'
Formation: Wolfcamp
- 6) Kansas 28-33 W1BO Fed Com #2H – APD in process
Surface Location: 100' FNL, 1235' FEL, Section 28
Bottom Hole Location: 330' FSL, 2310' FEL, Section 33
Proposed Total Vertical Depth: 9735'
Proposed Total Measured Depth: 19852'
Formation: Wolfcamp
- 7) Kansas 28-33 W0AP Fed Com #1H – APD in process
Surface Location: 100' FNL, 1145' FEL, Section 28
Bottom Hole Location: 330' FSL, 330' FEL, Section 33
Proposed Total Vertical Depth: 9558'
Proposed Total Measured Depth: 19706'
Formation: Wolfcamp
- 8) Kansas 28-33 W1AP Fed Com #2H – APD in process
Surface Location: 100' FNL, 1175' FEL, Section 28
Bottom Hole Location: 330' FSL, 990' FEL, Section 33
Proposed Total Vertical Depth: 9759'
Proposed Total Measured Depth: 19831'
Formation: Wolfcamp

The wells will be pad drilled with the first well tentatively planned to spud 1st quarter 2021 depending on commodity prices. In the event you elect to participate in the proposed wells, please execute the enclosed Operating Agreement (the "OA") and AFEs before returning them to the undersigned within thirty (30) days. The OA will supersede the Operating Agreement dated April 15, 2018 as to the E2 of Section 16 and NE4 of Section 21 and will spread your interest across the captioned lands as to the Wolfcamp formation for two-mile development. Any existing wellbores will be unaffected by this new OA. The OA lists a non-consent penalty of 300%/100% and COPAS drilling/producing rates of \$8000/month and \$800/month respectively. Please enclose your most current well information requirements so that we may supply well data when available.

Creedence 21-16 W1OB Fed Com #1H
Creedence 21-16 W0OB Fed Com #2H
Creedence 21-16 W1PA Fed Com #2H
Creedence 21-16 W0PA Fed Com #1H
Kansas 28-33 W0BO Fed Com #1H
Kansas 28-33 W1OB Fed Com #2H
Kansas 28-33 W0AP Fed Com #1H
Kansas 28-33 W1AP Fed Com #2H

Page 3 of 3

Please contact me at (432) 682-3715 or via email at tjolly@mewbourne.com if you have any questions.

Very truly yours,

MEWBOURNE OIL COMPANY

A handwritten signature in black ink, appearing to read 'Tyler Jolly', is written over the printed name.

Tyler Jolly
Landman

Enclosures



June 6, 2020

Dear Simple Certified:

The following is in response to your request for proof of delivery on your item with the tracking number:
9402 8106 9994 5050 7924 54.

Item Details

Status: Delivered, Left with Individual
Status Date / Time: June 6, 2020, 11:17 am
Location: MIDLAND, TX 79701
Postal Product: Priority Mail®
Extra Services: Certified Mail™
Return Receipt Electronic
Up to \$50 insurance included
Recipient Name: CM Resources LLC

Shipment Details

Weight: 1.0oz

Recipient Signature

Signature of Recipient:

CM Resources
COVID-19 - F.B.

Address of Recipient:

300 N MARIENFELD ST STE
1000 MIDLAND, TX 79701

Note: Scanned image may reflect a different destination address due to Intended Recipient's delivery instructions on file.

Thank you for selecting the United States Postal Service® for your mailing needs. If you require additional assistance, please contact your local Post Office™ or a Postal representative at 1-800-222-1811.

Sincerely,
United States Postal Service®
475 L'Enfant Plaza SW
Washington, D.C. 20260-0004

CM Resources LLC
300 N. Marienfeld Suite 1000
Midland, Tx 79701
Reference #: Creedence 21-16

Tyler Jolly

From: Tyler Jolly
Sent: Thursday, June 25, 2020 2:56 PM
To: Mark Hajdik
Subject: RE: [EXT] Kansas Proposals
Attachments: Kansas.Creedence Plat.pdf; Kansas.Creedence Plat1.pdf

Mark,

CM is in our Creedence 21-16 Operating Agreement comprising of the N2 of Section 21 and All of Section 16. We have drilled four (4) upper Wolfcamp wells in the NW4 of Section 21 and W2 of Section 16. We now have the opportunity to drill two (2) mile laterals throughout the E2 of Section 16, E2 of Section 21, E2 of Section 28 and E2 of Section 33. See attached plats.

CM's interest would be spread throughout this new contract area for two (2) mile development. The first batch of four (4) wells is scheduled for November spud depending on commodity pricing. Please let me know if you have any questions or need additional information.

Tyler Jolly
Mewbourne Oil Company
500 West Texas, Suite 1020,
Midland, TX 79701
Ph: 432-682-3715

From: Mark Hajdik <MHajdik@colgateenergy.com>
Sent: Thursday, June 25, 2020 2:40 PM
To: Tyler Jolly <tjolly@mewbourne.com>
Subject: [EXT] Kansas Proposals

Tyler,
Are you showing CM to be in the Kansas wells?

Thanks,
Mark

Mark Hajdik | Colgate Energy | Senior Landman
300 N. Marienfeld St. | Suite 1000 | Midland, TX 79701
O: (432) 257-3886 | C: (832) 904-6006
Email: mhajdik@colgateenergy.com

Tyler Jolly

From: Mark Hajdik <MHajdik@colgateenergy.com>
Sent: Monday, August 10, 2020 9:52 AM
To: Tyler Jolly
Subject: RE: [EXTERNAL] RE: [EXT] Kansas Proposals

Wanted to see if you all had any further thoughts here on what we call the Silver Bar.

Also, have the sign off to move forward under the Kansas/Creedence blending of interest. Need to review your JOA this week.

Mark Hajdik | Colgate Energy | Senior Landman
300 N. Marienfeld St. | Suite 1000 | Midland, TX 79701
O: (432) 257-3886 | C: (832) 904-6006
Email: mhajdik@colgateenergy.com

From: Tyler Jolly <tjolly@mewbourne.com>
Sent: Wednesday, July 22, 2020 8:56 AM
To: Mark Hajdik <MHajdik@colgateenergy.com>
Subject: RE: [EXTERNAL] RE: [EXT] Kansas Proposals

*** Attention: This is an external email, use caution. ***

Mark,

We don't have a trade proposal. I think we could do a Term Assignment at \$1500 per net acre for your non-op interest under both the N2 of Sections 35 and 36.

We're simply trying to combine our existing JOAs to improve economics here. Do you guys have something against participating?

Tyler Jolly
Mewbourne Oil Company
500 West Texas, Suite 1020,
Midland, TX 79701
Ph: 432-682-3715

From: Mark Hajdik <MHajdik@colgateenergy.com>
Sent: Tuesday, July 21, 2020 3:40 PM
To: Tyler Jolly <tjolly@mewbourne.com>
Subject: RE: [EXTERNAL] RE: [EXT] Kansas Proposals

Did you have any proposals or do we need to start from scratch?

Mark Hajdik | Colgate Energy | Senior Landman
300 N. Marienfeld St. | Suite 1000 | Midland, TX 79701
O: (432) 257-3886 | C: (832) 904-6006
Email: mhajdik@colgateenergy.com

From: Tyler Jolly <tjolly@mewbourne.com>
Sent: Tuesday, July 21, 2020 3:33 PM
To: Mark Hajdik <MHajdik@colgateenergy.com>
Subject: RE: [EXTERNAL] RE: [EXT] Kansas Proposals

*** Attention: This is an external email, use caution. ***
Mark,

We are open to meeting this week about Colgate's Silver Bar proposals. Please let me know when you would like to meet or we could jump on a call.

Tyler Jolly
Mewbourne Oil Company
500 West Texas, Suite 1020,
Midland, TX 79701
Ph: 432-682-3715

From: Mark Hajdik <MHajdik@colgateenergy.com>
Sent: Monday, July 13, 2020 11:31 AM
To: Tyler Jolly <tjolly@mewbourne.com>
Subject: Re: [EXTERNAL] RE: [EXT] Kansas Proposals

Give my cell a call. I can't get through on yalls main line.

| Mark Hajdik | 832-904-6006 | mhajdik@colgateenergy.com |

On Jul 10, 2020, at 11:34 AM, Tyler Jolly <tjolly@mewbourne.com> wrote:

*** Attention: This is an external email, use caution. ***
Mark,

The sooner the better. Colgate and another party are the executed OA's that we lack. If we can get you guys signed up and the other party, we can avoid pooling all together.

The first four (4) wells are scheduled to spud in November.

Tyler Jolly
Mewbourne Oil Company
500 West Texas, Suite 1020,
Midland, TX 79701
Ph: 432-682-3715

From: Mark Hajdik <MHajdik@colgateenergy.com>
Sent: Friday, July 10, 2020 9:20 AM
To: Tyler Jolly <tjolly@mewbourne.com>
Subject: RE: [EXT] Kansas Proposals

Tyler, we are finalizing the engineering work on these. When are you needing the green light if the larger OA area will work for everyone?

Mark Hajdik | Colgate Energy | Senior Landman
300 N. Marienfeld St. | Suite 1000 | Midland, TX 79701
O: (432) 257-3886 | C: (832) 904-6006
Email: mhajdik@colgateenergy.com

From: Tyler Jolly <tjolly@mewbourne.com>
Sent: Thursday, June 25, 2020 3:08 PM
To: Mark Hajdik <MHajdik@colgateenergy.com>
Subject: [EXTERNAL] RE: [EXT] Kansas Proposals

*** Attention: This is an external email, use caution. ***

The Kansas wellbores traverse the E2 of 28 and E2 of 33. Does CM not want to be a part of more upper Wolfcamp wells?

From: Mark Hajdik <MHajdik@colgateenergy.com>
Sent: Thursday, June 25, 2020 3:03 PM
To: Tyler Jolly <tjolly@mewbourne.com>
Subject: RE: [EXT] Kansas Proposals

I am not sure where we will land on this, but is there a reason for proposing a contract area that covers all four half sections rather than the two sections the well bores actually traverse?

Mark Hajdik | Colgate Energy | Senior Landman
300 N. Marienfeld St. | Suite 1000 | Midland, TX 79701
O: (432) 257-3886 | C: (832) 904-6006
Email: mhajdik@colgateenergy.com

From: Tyler Jolly <tjolly@mewbourne.com>
Sent: Thursday, June 25, 2020 2:56 PM
To: Mark Hajdik <MHajdik@colgateenergy.com>
Subject: [EXTERNAL] RE: [EXT] Kansas Proposals

*** Attention: This is an external email, use caution. ***

Mark,

CM is in our Creedence 21-16 Operating Agreement comprising of the N2 of Section 21 and All of Section 16. We have drilled four (4) upper Wolfcamp wells in the NW4 of Section 21 and W2 of Section 16. We now have the opportunity to drill two (2) mile laterals throughout the E2 of Section 16, E2 of Section 21, E2 of Section 28 and E2 of Section 33. See attached plats.

CM's interest would be spread throughout this new contract area for two (2) mile development. The first batch of four (4) wells is scheduled for November spud depending on commodity pricing. Please let me know if you have any questions or need additional information.

Tyler Jolly
Mewbourne Oil Company
500 West Texas, Suite 1020,
Midland, TX 79701
Ph: 432-682-3715

From: Mark Hajdik <MHajdik@colgateenergy.com>
Sent: Thursday, June 25, 2020 2:40 PM
To: Tyler Jolly <tjolly@mewbourne.com>
Subject: [EXT] Kansas Proposals

Tyler,
Are you showing CM to be in the Kansas wells?

Thanks,
Mark

Mark Hajdik | Colgate Energy | Senior Landman
300 N. Marienfeld St. | Suite 1000 | Midland, TX 79701
O: (432) 257-3886 | C: (832) 904-6006
Email: mhajdik@colgateenergy.com

MEWBOURNE OIL COMPANY

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

June 5, 2020

Via Certified Mail

Marathon Oil Permian LLC
5555 San Felipe Street
Houston, TX 77056

Re: Creedence 21-16 W1OB Fed Com #1H
Creedence 21-16 W0OB Fed Com #2H
Creedence 21-16 W1PA Fed Com #2H
Creedence 21-16 W0PA Fed Com #1H
Kansas 28-33 W0BO Fed Com #1H
Kansas 28-33 W1OB Fed Com #2H
Kansas 28-33 W0AP Fed Com #1H
Kansas 28-33 W1AP Fed Com #2H
E2 of Section 16, E2 of Section 21
E2 of Section 28, E2 of Section 33
T24S, R28E, Eddy County, New Mexico

Ladies and Gentlemen:

In preparation for completing our Creedence/Kansas upper Wolfcamp development, Mewbourne Oil Company ("MOC"), as Operator, hereby proposes drilling the following eight (8) horizontal tests:

- 1) Creedence 21-16 W1OB Fed Com #1H – APD in process
Surface Location: 100' FSL, 1235' FEL, Section 21
Bottom Hole Location: 330' FNL, 2310' FEL, Section 16
Proposed Total Vertical Depth: 9733'
Proposed Total Measured Depth: 19778'
Formation: Wolfcamp
- 2) Creedence 21-16 W0OB Fed Com #2H – APD in process
Surface Location: 100' FSL, 1205' FEL, Section 21
Bottom Hole Location: 330' FNL, 1650' FEL, Section 16
Proposed Total Vertical Depth: 9538'
Proposed Total Measured Depth: 19580'
Formation: Wolfcamp
- 3) Creedence 21-16 W1PA Fed Com #2H – APD in process
Surface Location: 100' FSL, 1175' FEL, Section 21
Bottom Hole Location: 330' FNL, 990' FEL, Section 16
Proposed Total Vertical Depth: 9753'
Proposed Total Measured Depth: 19749'
Formation: Wolfcamp

Creedence 21-16 W1OB Fed Com #1H
Creedence 21-16 W0OB Fed Com #2H
Creedence 21-16 W1PA Fed Com #2H
Creedence 21-16 W0PA Fed Com #1H
Kansas 28-33 W0BO Fed Com #1H
Kansas 28-33 W1OB Fed Com #2H
Kansas 28-33 W0AP Fed Com #1H
Kansas 28-33 W1AP Fed Com #2H

Page 2 of 3

- 4) Creedence 21-16 W0PA Fed Com #1H – APD in process
Surface Location: 100' FSL, 1145' FEL, Section 21
Bottom Hole Location: 330' FNL, 330' FEL, Section 16
Proposed Total Vertical Depth: 9557'
Proposed Total Measured Depth: 19627'
Formation: Wolfcamp
- 5) Kansas 28-33 W0BO Fed Com #1H – APD in process
Surface Location: 100' FNL, 1205' FEL, Section 28
Bottom Hole Location: 330' FSL, 1650' FEL, Section 33
Proposed Total Vertical Depth: 9538'
Proposed Total Measured Depth: 19654'
Formation: Wolfcamp
- 6) Kansas 28-33 W1BO Fed Com #2H – APD in process
Surface Location: 100' FNL, 1235' FEL, Section 28
Bottom Hole Location: 330' FSL, 2310' FEL, Section 33
Proposed Total Vertical Depth: 9735'
Proposed Total Measured Depth: 19852'
Formation: Wolfcamp
- 7) Kansas 28-33 W0AP Fed Com #1H – APD in process
Surface Location: 100' FNL, 1145' FEL, Section 28
Bottom Hole Location: 330' FSL, 330' FEL, Section 33
Proposed Total Vertical Depth: 9558'
Proposed Total Measured Depth: 19706'
Formation: Wolfcamp
- 8) Kansas 28-33 W1AP Fed Com #2H – APD in process
Surface Location: 100' FNL, 1175' FEL, Section 28
Bottom Hole Location: 330' FSL, 990' FEL, Section 33
Proposed Total Vertical Depth: 9759'
Proposed Total Measured Depth: 19831'
Formation: Wolfcamp

The wells will be pad drilled with the first well tentatively planned to spud 1st quarter 2021 depending on commodity prices. In the event you elect to participate in the proposed wells, please execute the enclosed Operating Agreement (the "OA") and AFEs before returning them to the undersigned within thirty (30) days. The OA will supersede the Operating Agreement dated April 15, 2018 as to the E2 of Section 16 and NE4 of Section 21 and will spread your interest across the captioned lands as to the Wolfcamp formation for two-mile development. Any existing wellbores will be unaffected by this new OA. The OA lists a non-consent penalty of 300%/100% and COPAS drilling/producing rates of \$8000/month and \$800/month respectively. Please enclose your most current well information requirements so that we may supply well data when available.

Creedence 21-16 W1OB Fed Com #1H
Creedence 21-16 W0OB Fed Com #2H
Creedence 21-16 W1PA Fed Com #2H
Creedence 21-16 W0PA Fed Com #1H
Kansas 28-33 W0BO Fed Com #1H
Kansas 28-33 W1OB Fed Com #2H
Kansas 28-33 W0AP Fed Com #1H
Kansas 28-33 W1AP Fed Com #2H

Page 3 of 3

Please contact me at (432) 682-3715 or via email at tjolly@mewbourne.com if you have any questions.

Very truly yours,

MEWBOURNE OIL COMPANY

A handwritten signature in black ink, appearing to read 'Tyler Jolly', is written over the printed name.

Tyler Jolly
Landman

Enclosures



June 8, 2020

Dear Simple Certified:

The following is in response to your request for proof of delivery on your item with the tracking number:
9402 8106 9994 5050 7931 09.

Item Details

Status:	Delivered, Front Desk/Reception/Mail Room
Status Date / Time:	June 8, 2020, 3:42 pm
Location:	HOUSTON, TX 77056
Postal Product:	Priority Mail®
Extra Services:	Certified Mail™ Return Receipt Electronic Up to \$50 insurance included
Recipient Name:	Marathon Oil Permian

Shipment Details

Weight:	1.0oz
----------------	-------

Recipient Signature

Signature of Recipient:	C-19 C-19
Address of Recipient:	5555 San Felipe Houston, TX 77056

Note: Scanned image may reflect a different destination address due to Intended Recipient's delivery instructions on file.

Thank you for selecting the United States Postal Service® for your mailing needs. If you require additional assistance, please contact your local Post Office™ or a Postal representative at 1-800-222-1811.

Sincerely,
United States Postal Service®
475 L'Enfant Plaza SW
Washington, D.C. 20260-0004

Marathon Oil Permian
5555 San Felipe St.
Houston, TX 77056
Reference #: Creedence 21-16

Tyler Jolly

From: Tyler Jolly
Sent: Tuesday, June 23, 2020 8:39 AM
To: Rice, Chase F. (MRO)
Subject: RE: [EXT] Creedence/Kansas
Attachments: 20190530085410821.pdf; Kansas DTO; 11-12-2018.pdf; Document 1122-1127 MRO to MOC.pdf; 20200623083348819.pdf

Chase,

Now that I'm looking at this again. I think I gave Marathon a bump in interest. Now I am calculating Marathon with 4.365226%. Is that what you are coming up with?

See attached Title Opinions, Assignment from Marathon to Mewbourne, and Title Memo.

Tyler Jolly
Mewbourne Oil Company
500 West Texas, Suite 1020,
Midland, TX 79701
Ph: 432-682-3715

From: Rice, Chase F. (MRO) <cfrice@marathonoil.com>
Sent: Monday, June 22, 2020 1:31 PM
To: Tyler Jolly <tjolly@mewbourne.com>
Subject: [EXT] Creedence/Kansas

Tyler, I hope you are doing well.

Could you please provide some background on how Mewbourne calculated Marathon's WI in the proposed 1280 acre contract area for the above reference wells.

Thanks

Chase Rice, CPL
Staff Land Professional – Permian
Marathon Oil Corp.
5555 San Felipe Street
Houston, Texas 77056
O: 713-296-3055
C: 832-530-0051
F: 713-513-4430

CONFIDENTIAL

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Notice: Should the contents of this message concern any potential agreement it is understood that any final agreement is subject to diligence and management approval; there shall be no binding agreement until the parties have executed and exchanged a definitive final agreement.

Tyler Jolly

From: Kaul, Janine D. (MRO) <jkaul@marathonoil.com>
Sent: Wednesday, August 19, 2020 2:45 PM
To: Tyler Jolly
Cc: Kaul, Janine D. (MRO)
Subject: RE: [EXT] Creedence/Kansas

Yes, agree it is all relatively small % difference and I will need to let our Land Admin group know to inactivate that OA.

Appreciate all your help and will use your number for now until we receive the DOTO.

Thanks,

Janine Kaul

Marathon Oil Corporation
Land Specialist Advisor - Permian
Ph: (713) 296-2154 / Cell: (832) 459-0270
5555 San Felipe St., Houston TX, 77056

From: Tyler Jolly <tjolly@mewbourne.com>
Sent: Wednesday, August 19, 2020 2:40 PM
To: Kaul, Janine D. (MRO) <jkaul@marathonoil.com>
Subject: [External] RE: [EXT] Creedence/Kansas

Beware of links/attachments.

Janine,

Not a problem. The 2-28-2018 Operating Agreement expired on its own terms because we never drilled a well.

Our attorney is going to look at the numbers here when he renders a division order title opinion so he will have the final say. Either way, Marathon appears to have a little under 4.4%.

Tyler Jolly

Mewbourne Oil Company
500 West Texas, Suite 1020,
Midland, TX 79701
Ph: 432-682-3715

From: Kaul, Janine D. (MRO) <jkaul@marathonoil.com>
Sent: Wednesday, August 19, 2020 2:34 PM
To: Tyler Jolly <tjolly@mewbourne.com>
Subject: RE: [EXT] Creedence/Kansas

Tyler, you are correct, I was looking at the attached OA which covers the E2 of Sec 28 and SE4 of Sec 21 (which is Mewbourne's OA on 2-28-2018). The 2004 OA just covers the E2 of Sec 21...so honestly now I am confused how to calculate these overlapping OA! Apologies for making this so complicated.

Note I removed Exhibit C and on since the size bounced back my email first time.

Thanks,

Janine Kaul

Marathon Oil Corporation
Land Specialist Advisor - Permian
Ph: (713) 296-2154 / Cell: (832) 459-0270
5555 San Felipe St., Houston TX, 77056

From: Tyler Jolly <tjolly@mewbourne.com>
Sent: Wednesday, August 19, 2020 2:10 PM
To: Kaul, Janine D. (MRO) <jkaul@marathonoil.com>
Cc: Rice, Chase F. (MRO) <cfrice@marathonoil.com>
Subject: [External] RE: [EXT] Creedence/Kansas

Beware of links/attachments.

I was not aware that the 6-1-2004 Operating Agreement covered the E2 of Section 21 and E2 of Section 28? Does it not cover only the E2 of Section 21?

From: Kaul, Janine D. (MRO) <jkaul@marathonoil.com>
Sent: Wednesday, August 19, 2020 10:43 AM
To: Tyler Jolly <tjolly@mewbourne.com>
Cc: Rice, Chase F. (MRO) <cfrice@marathonoil.com>; Kaul, Janine D. (MRO) <jkaul@marathonoil.com>
Subject: RE: [EXT] Creedence/Kansas

Thank you Tyler, I agree completely with the calculations for the 2018 OA (E2 of Sec 16 and NE4 of Sec 21). However, I am coming up with something different for the 2004 OA (which covers the SE4 of Sec 21 and E2 of Sec 28), see below:

SESE (40 acres) and W2SE (80 acres) of Sec 21 (MOP's interest)

120 acres x 0.57012% WI (from DTO) = 0.684144 net acres / 480 acres in 2004 OA = 0.14253%

So 55.5898272 acres + 0.684144 acres = 56.2739712 net acres / 1280 OA acres = **4.396404% unit interest**

I had realized an error after sending my first email so the 4.37042% no longer applies but I do believe the amount stated above is now correct. Please let me know if you don't agree with this and still feel your 4.365226% is the correct answer and where I am going wrong ☺

Thanks,

Janine Kaul

Marathon Oil Corporation
Land Specialist Advisor - Permian
Ph: (713) 296-2154 / Cell: (832) 459-0270
5555 San Felipe St., Houston TX, 77056

From: Tyler Jolly <tjolly@mewbourne.com>
Sent: Tuesday, August 18, 2020 3:32 PM
To: Kaul, Janine D. (MRO) <jkaul@marathonoil.com>
Cc: Rice, Chase F. (MRO) <cfrice@marathonoil.com>
Subject: [External] RE: [EXT] Creedence/Kansas

Beware of links/attachments.

Janine,

I am showing Marathon Oil Permian with the following interest:

E2 of Section 16 and NE4 of Section 21 (4-15-2018 Operating Agreement)

11.581214% x 480 acres = 55.5898272 net acres

SE4 of Section 21 (6-1-2004 Operating Agreement)

0.178165% x 160 acres = 0.285064 net acres

55.5898272 acres + 0.285064 acres = 55.8748912 total net acres / 1280 unit acres = **4.365226% unit interest**

Marathon assigned to Mewbourne its 50.333% interest in the NE4SE4 of Section 21 via the attached assignment. This interest is subject to the 6-1-2004 Operating Agreement covering the entire E2 of Section 21 so 10.0666 of those net acres went to Mewbourne under its 4-15-2018 Operating Agreement and 10.0666 of the rest of the net acres were taken out of the SE4 of Section 21 contractually leaving Marathon with 0.285064 net acres or 0.178165%.

Please let me know if you have any questions or need additional information.

Tyler Jolly

Mewbourne Oil Company

500 West Texas, Suite 1020,

Midland, TX 79701

Ph: 432-682-3715

From: Kaul, Janine D. (MRO) <jkaul@marathonoil.com>

Sent: Tuesday, August 18, 2020 10:47 AM

To: Tyler Jolly <tjolly@mewbourne.com>

Cc: Rice, Chase F. (MRO) <cfrice@marathonoil.com>; Kaul, Janine D. (MRO) <jkaul@marathonoil.com>

Subject: RE: [EXT] Creedence/Kansas

Hi Tyler,

I've calculated our WI again and I'm coming up with 4.37042% WI in the new proposed JOA of 1280 net acres based on previous contractual interests. Can you provide your calculations for the WI listed below?

Appreciate your help.

Janine Kaul

Marathon Oil Corporation

Land Specialist Advisor - Permian

Ph: (713) 296-2154 / Cell: (832) 459-0270

5555 San Felipe St., Houston TX, 77056

From: Tyler Jolly <tjolly@mewbourne.com>

Sent: Tuesday, June 23, 2020 8:39 AM

To: Rice, Chase F. (MRO) <cfrice@marathonoil.com>

Subject: [External] RE: [EXT] Creedence/Kansas

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Chase,

Now that I'm looking at this again. I think I gave Marathon a bump in interest. Now I am calculating Marathon with 4.365226%. Is that what you are coming up with?

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Tyler Jolly
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500 West Texas, Suite 1020,
Midland, TX 79701
Ph: 432-682-3715

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Tyler, I hope you are doing well.

Could you please provide some background on how Mewbourne calculated Marathon's WI in the proposed 1280 acre contract area for the above reference wells.

Thanks

Chase Rice, CPL
Staff Land Professional – Permian
Marathon Oil Corp.
5555 San Felipe Street
Houston, Texas 77056
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F: 713-513-4430

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Notice: Should the contents of this message concern any potential agreement it is understood that any final agreement is subject to diligence and management approval; there shall be no binding agreement until the parties have executed and exchanged a definitive final agreement.

MEWBOURNE OIL COMPANY

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

June 5, 2020

Via Certified Mail

Crown Oil Partners, LP
4000 North Big Spring, Suite 310
Midland, TX 79705

Re: Creedence 21-16 W1OB Fed Com #1H
Creedence 21-16 W0OB Fed Com #2H
Creedence 21-16 W1PA Fed Com #2H
Creedence 21-16 W0PA Fed Com #1H
Kansas 28-33 W0BO Fed Com #1H
Kansas 28-33 W1OB Fed Com #2H
Kansas 28-33 W0AP Fed Com #1H
Kansas 28-33 W1AP Fed Com #2H
E2 of Section 16, E2 of Section 21
E2 of Section 28, E2 of Section 33
T24S, R28E, Eddy County, New Mexico

Ladies and Gentlemen:

In preparation for completing our Creedence/Kansas upper Wolfcamp development, Mewbourne Oil Company ("MOC"), as Operator, hereby proposes drilling the following eight (8) horizontal tests:

- 1) Creedence 21-16 W1OB Fed Com #1H – APD in process
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Proposed Total Vertical Depth: 9733'
Proposed Total Measured Depth: 19778'
Formation: Wolfcamp
- 2) Creedence 21-16 W0OB Fed Com #2H – APD in process
Surface Location: 100' FSL, 1205' FEL, Section 21
Bottom Hole Location: 330' FNL, 1650' FEL, Section 16
Proposed Total Vertical Depth: 9538'
Proposed Total Measured Depth: 19580'
Formation: Wolfcamp
- 3) Creedence 21-16 W1PA Fed Com #2H – APD in process
Surface Location: 100' FSL, 1175' FEL, Section 21
Bottom Hole Location: 330' FNL, 990' FEL, Section 16
Proposed Total Vertical Depth: 9753'
Proposed Total Measured Depth: 19749'
Formation: Wolfcamp

Creedence 21-16 W1OB Fed Com #1H
Creedence 21-16 W0OB Fed Com #2H
Creedence 21-16 W1PA Fed Com #2H
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Kansas 28-33 W0BO Fed Com #1H
Kansas 28-33 W1OB Fed Com #2H
Kansas 28-33 W0AP Fed Com #1H
Kansas 28-33 W1AP Fed Com #2H

Page 2 of 3

- 4) Creedence 21-16 W0PA Fed Com #1H – APD in process
Surface Location: 100' FSL, 1145' FEL, Section 21
Bottom Hole Location: 330' FNL, 330' FEL, Section 16
Proposed Total Vertical Depth: 9557'
Proposed Total Measured Depth: 19627'
Formation: Wolfcamp
- 5) Kansas 28-33 W0BO Fed Com #1H – APD in process
Surface Location: 100' FNL, 1205' FEL, Section 28
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Proposed Total Measured Depth: 19654'
Formation: Wolfcamp
- 6) Kansas 28-33 W1BO Fed Com #2H – APD in process
Surface Location: 100' FNL, 1235' FEL, Section 28
Bottom Hole Location: 330' FSL, 2310' FEL, Section 33
Proposed Total Vertical Depth: 9735'
Proposed Total Measured Depth: 19852'
Formation: Wolfcamp
- 7) Kansas 28-33 W0AP Fed Com #1H – APD in process
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Formation: Wolfcamp
- 8) Kansas 28-33 W1AP Fed Com #2H – APD in process
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Formation: Wolfcamp

The wells will be pad drilled with the first well tentatively planned to spud 1st quarter 2021 depending on commodity prices. In the event you elect to participate in the proposed wells, please execute the enclosed Operating Agreement (the "OA") and AFEs before returning them to the undersigned within thirty (30) days. The OA will supersede the Operating Agreement dated April 15, 2018 as to the E2 of Section 16 and NE4 of Section 21 and will spread your interest across the captioned lands as to the Wolfcamp formation for two-mile development. Any existing wellbores will be unaffected by this new OA. The OA lists a non-consent penalty of 300%/100% and COPAS drilling/producing rates of \$8000/month and \$800/month respectively. Please enclose your most current well information requirements so that we may supply well data when available.

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Kansas 28-33 W0AP Fed Com #1H
Kansas 28-33 W1AP Fed Com #2H

Page 3 of 3

Please contact me at (432) 682-3715 or via email at tjolly@mewbourne.com if you have any questions.

Very truly yours,

MEWBOURNE OIL COMPANY

A handwritten signature in black ink, appearing to read 'Tyler Jolly', is written over the company name.

Tyler Jolly
Landman

Enclosures

MEWBOURNE OIL COMPANY

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

June 5, 2020

Via Certified Mail

Crump Family Partnership, Ltd.
4000 North Big Spring, Suite 310
Midland, TX 79705

Re: Creedence 21-16 W1OB Fed Com #1H
Creedence 21-16 W0OB Fed Com #2H
Creedence 21-16 W1PA Fed Com #2H
Creedence 21-16 W0PA Fed Com #1H
Kansas 28-33 W0BO Fed Com #1H
Kansas 28-33 W1OB Fed Com #2H
Kansas 28-33 W0AP Fed Com #1H
Kansas 28-33 W1AP Fed Com #2H
E2 of Section 16, E2 of Section 21
E2 of Section 28, E2 of Section 33
T24S, R28E, Eddy County, New Mexico

Ladies and Gentlemen:

In preparation for completing our Creedence/Kansas upper Wolfcamp development, Mewbourne Oil Company ("MOC"), as Operator, hereby proposes drilling the following eight (8) horizontal tests:

- 1) Creedence 21-16 W1OB Fed Com #1H – APD in process
Surface Location: 100' FSL, 1235' FEL, Section 21
Bottom Hole Location: 330' FNL, 2310' FEL, Section 16
Proposed Total Vertical Depth: 9733'
Proposed Total Measured Depth: 19778'
Formation: Wolfcamp
- 2) Creedence 21-16 W0OB Fed Com #2H – APD in process
Surface Location: 100' FSL, 1205' FEL, Section 21
Bottom Hole Location: 330' FNL, 1650' FEL, Section 16
Proposed Total Vertical Depth: 9538'
Proposed Total Measured Depth: 19580'
Formation: Wolfcamp
- 3) Creedence 21-16 W1PA Fed Com #2H – APD in process
Surface Location: 100' FSL, 1175' FEL, Section 21
Bottom Hole Location: 330' FNL, 990' FEL, Section 16
Proposed Total Vertical Depth: 9753'
Proposed Total Measured Depth: 19749'
Formation: Wolfcamp

Creedence 21-16 W1OB Fed Com #1H
Creedence 21-16 W0OB Fed Com #2H
Creedence 21-16 W1PA Fed Com #2H
Creedence 21-16 W0PA Fed Com #1H
Kansas 28-33 W0BO Fed Com #1H
Kansas 28-33 W1OB Fed Com #2H
Kansas 28-33 W0AP Fed Com #1H
Kansas 28-33 W1AP Fed Com #2H

Page 2 of 3

- 4) Creedence 21-16 W0PA Fed Com #1H – APD in process
Surface Location: 100' FSL, 1145' FEL, Section 21
Bottom Hole Location: 330' FNL, 330' FEL, Section 16
Proposed Total Vertical Depth: 9557'
Proposed Total Measured Depth: 19627'
Formation: Wolfcamp
- 5) Kansas 28-33 W0BO Fed Com #1H – APD in process
Surface Location: 100' FNL, 1205' FEL, Section 28
Bottom Hole Location: 330' FSL, 1650' FEL, Section 33
Proposed Total Vertical Depth: 9538'
Proposed Total Measured Depth: 19654'
Formation: Wolfcamp
- 6) Kansas 28-33 W1BO Fed Com #2H – APD in process
Surface Location: 100' FNL, 1235' FEL, Section 28
Bottom Hole Location: 330' FSL, 2310' FEL, Section 33
Proposed Total Vertical Depth: 9735'
Proposed Total Measured Depth: 19852'
Formation: Wolfcamp
- 7) Kansas 28-33 W0AP Fed Com #1H – APD in process
Surface Location: 100' FNL, 1145' FEL, Section 28
Bottom Hole Location: 330' FSL, 330' FEL, Section 33
Proposed Total Vertical Depth: 9558'
Proposed Total Measured Depth: 19706'
Formation: Wolfcamp
- 8) Kansas 28-33 W1AP Fed Com #2H – APD in process
Surface Location: 100' FNL, 1175' FEL, Section 28
Bottom Hole Location: 330' FSL, 990' FEL, Section 33
Proposed Total Vertical Depth: 9759'
Proposed Total Measured Depth: 19831'
Formation: Wolfcamp

The wells will be pad drilled with the first well tentatively planned to spud 1st quarter 2021 depending on commodity prices. In the event you elect to participate in the proposed wells, please execute the enclosed Operating Agreement (the "OA") and AFEs before returning them to the undersigned within thirty (30) days. The OA will supersede the Operating Agreement dated April 15, 2018 as to the E2 of Section 16 and NE4 of Section 21 and will spread your interest across the captioned lands as to the Wolfcamp formation for two-mile development. Any existing wellbores will be unaffected by this new OA. The OA lists a non-consent penalty of 300%/100% and COPAS drilling/producing rates of \$8000/month and \$800/month respectively. Please enclose your most current well information requirements so that we may supply well data when available.

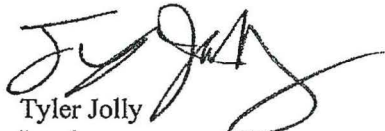
Creedence 21-16 WIOB Fed Com #1H
Creedence 21-16 W0OB Fed Com #2H
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Kansas 28-33 W1AP Fed Com #2H

Page 3 of 3

Please contact me at (432) 682-3715 or via email at tjolly@mewbourne.com if you have any questions.

Very truly yours,

MEWBOURNE OIL COMPANY


Tyler Jolly
Landman

Enclosures



June 6, 2020

Dear Simple Certified:

The following is in response to your request for proof of delivery on your item with the tracking number:
9402 8106 9994 5050 7925 84.

Item Details

Status: Delivered, Left with Individual
Status Date / Time: June 6, 2020, 4:29 pm
Location: MIDLAND, TX 79705
Postal Product: Priority Mail®
Extra Services: Certified Mail™
Return Receipt Electronic
Up to \$50 insurance included
Recipient Name: Crown Oil Partners LP

Shipment Details

Weight: 1.0oz

Recipient Signature

Signature of Recipient:

Left on mailbox
Crown Oil

Address of Recipient:

4000 N BIG SPRING ST STE
310 MIDLAND, TX 79705
COVID-19

Note: Scanned image may reflect a different destination address due to Intended Recipient's delivery instructions on file.

Thank you for selecting the United States Postal Service® for your mailing needs. If you require additional assistance, please contact your local Post Office™ or a Postal representative at 1-800-222-1811.

Sincerely,
United States Postal Service®
475 L'Enfant Plaza SW
Washington, D.C. 20260-0004

Crown Oil Partners LP
4000 North Big Spring
Suite 310
Midland, TX 79703
Reference #: Creedence 21-16

Tyler Jolly

From: Tyler Jolly
Sent: Tuesday, July 07, 2020 8:56 AM
To: 'Samantha Durham'
Cc: Walker Meadows
Subject: RE: [EXT] RE: Creedence 21/16 WOFC State Com #4H-dr

Samantha,

We are moving forward with pooling this week as these wells are scheduled for November 2020.

Please let me know if you have any questions about the OA. If you can send me the executed OA pages for Crown and Crump, you can disregard the pooling notice.

Thank you for working with us.

Tyler Jolly
Mewbourne Oil Company
500 West Texas, Suite 1020,
Midland, TX 79701
Ph: 432-682-3715

From: Tyler Jolly
Sent: Wednesday, June 24, 2020 10:41 AM
To: Walker Meadows <wmeadows@bcoperating.com>
Cc: 'Samantha Durham' <samantha@foundationminerals.com>
Subject: RE: [EXT] RE: Creedence 21/16 WOFC State Com #4H-dr

Thanks. Samantha, please let me know if you have any questions.

From: Walker Meadows <wmeadows@bcoperating.com>
Sent: Wednesday, June 24, 2020 10:01 AM
To: Tyler Jolly <tjolly@mewbourne.com>
Cc: 'Samantha Durham' <samantha@foundationminerals.com>
Subject: RE: [EXT] RE: Creedence 21/16 WOFC State Com #4H-dr

Thanks Tyler,
I have passed this along to Samantha Durham in our office.
She typically handles the WI for Crown Oil Partners, LP and Crump Family Partnership, Ltd.

Walker Meadows, RPL
817.994.3718

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Walker,

See attached Title Opinions that should help with the different Crown and Crump entities owning interest here.

Crown and Crump both executed Mewbourne's Operating Agreement covering the N2 of Section 21 and All of Section 16 for 1 ½ mile development. We have drilled four (4) upper Wolfcamp wells starting from the West working our way East, but we have recently acquired the E2 of Section 33 which sets us up for 2 mile development on the E2. I have attached some plats that may better show what we're trying to do here.

We have completed the W1ED and W0ED wells and they are producing. The W1FC and W0FC wells are drilled and are awaiting completion. They are scheduled for later in the fall I believe.

Please let me know if you have any additional questions or need additional information.

Tyler Jolly
Mewbourne Oil Company
500 West Texas, Suite 1020,
Midland, TX 79701
Ph: 432-682-3715

From: Walker Meadows <wmeadows@bcoperating.com>
Sent: Tuesday, June 23, 2020 10:44 AM
To: Tyler Jolly <tjolly@mewbourne.com>
Subject: RE: [EXT] RE: Creedence 21/16 W0FC State Com #4H-dr

Tyler,
I received Mewbourne's well proposals for the new Kansas and Creedence wells.

A few questions before I route these for review.

1. Do you show **Crown Oil Partners VI** and **Crump Energy Partners III** owning WI/NRI in these wells? (The letter is addressed to the LP's and Family Partnerships, so if ownership is in these entities I need to confirm we don't need do an internal assignment)
2. Are we already subject to a JOA on the Creedence wells?
3. What are the status' of these 4 Creedence wells:

Well Name
Creedence 21-16 W0ED State Com #2H
Creedence 21-16 W1ED State Com #1H
Creedence 21-16 W1FC State Com #3H
Creedence 21-16 W0FC State Com #4H

- Do you have a completed TO on the Creedence and Kansas units that you could share?

Thanks – and feel free to give me a shout on any of this if easier.

Walker Meadows, RPL
817.994.3718

From: Tyler Jolly <tjolly@mewbourne.com>
Sent: Friday, January 10, 2020 3:16 PM
To: Walker Meadows <wmeadows@bcoperating.com>
Subject: RE: [EXT] RE: Creedence 21/16 WOFC State Com #4H-dr

We are rendering a title opinion right now for those wells so I'm not sure about net revenue.

I'm showing Crown Oil Partners, LP with 1.213637% and Crump Family Partnership, Ltd. with 0.443187% in our 960-acre working interest unit.

See attached AFEs.

Please let me know if you have any questions.

Tyler Jolly
Mewbourne Oil Company
500 West Texas, Suite 1020,
Midland, TX 79701
Ph: 432-682-3715

From: Walker Meadows <wmeadows@bcoperating.com>
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Subject: RE: [EXT] RE: Creedence 21/16 WOFC State Com #4H-dr

Thanks Tyler,
What do you show Crown VI / Crump III's working interest/revenue interest to be in the 4H?

I see Crown & Crumps WI differs on the Exhibit A to the JOA, but these are our older entities. Thanks

Walker Meadows, RPL
817.994.3718

From: Tyler Jolly <tjolly@mewbourne.com>
Sent: Friday, January 10, 2020 2:42 PM
To: Walker Meadows <wmeadows@bcoperating.com>
Subject: RE: [EXT] RE: Creedence 21/16 WOFC State Com #4H-dr

From: Walker Meadows <wmeadows@bcoperating.com>
Sent: Friday, January 10, 2020 2:40 PM
To: Tyler Jolly <tjolly@mewbourne.com>
Subject: [EXT] RE: Creedence 21/16 WOFC State Com #4H-dr

Tyler,

Just following up on this one. Can you send the well elections when you have a chance?
Next week is fine, but I would like to get our non-op report updated when possible. Thanks for the help.

Walker Meadows, RPL
817.994.3718

From: Walker Meadows
Sent: Wednesday, January 08, 2020 8:49 AM
To: 'tjolly@mewbourne.com' <tjolly@mewbourne.com>
Subject: RE: Creedence 21/16 WOFC State Com #4H-dr

Hi Tyler -- I received your VM yesterday. Thanks for trying to send.
I think our emails are limited to 20 MB, but didn't see those docs come through. I can send you a dropbox link if that is easier than email?

In addition to the docs, I am hoping to confirm what you guys are showing our WI and Rev Interest is in each Creedence well, so I can update our non-op records.

Thanks for the help here!

Walker Meadows, RPL
817.994.3718

From: Walker Meadows
Sent: Tuesday, January 07, 2020 2:12 PM
To: tjolly@mewbourne.com
Cc: Mitch Robb <mrobb@mewbourne.com>
Subject: Creedence 21/16 WOFC State Com #4H-dr

Tyler,
BC Operating (Crown Oil Partners VI and Crump Energy Partners III) are receiving drilling updates on the above well. I was not aware we were WI partners in this one. Can you please let me know if I am missing a well election, or if this is a well we don't own WI in.

I attached the well elections I could find on the Creedence wells. These were done back in July 2018 before I started at BC, so I don't have signed copies of these Well Elections, or if we signed a JOA. Thanks in advance for any help you could provide.

Walker Meadows, RPL
Landman
BC Operating, Inc.
4000 North Big Spring, Suite 310 • Midland, Texas 79705
O 432-253-4329 • C 817.994.3718
wmeadows@bcoperating.com

Tyler Jolly

From: Tyler Jolly
Sent: Thursday, August 20, 2020 1:01 PM
To: Samantha Durham
Cc: 'Walker Meadows'; Phil Hammond
Subject: RE: [EXT] RE: Creedence 21/16 WOFC State Com #4H-dr

Samantha,

Any word here on curing the title or executing an Operating Agreement? The first well is about to spud so I just wanted to follow up.

Tyler Jolly
Mewbourne Oil Company
500 West Texas, Suite 1020,
Midland, TX 79701
Ph: 432-682-3715

From: Samantha Durham <samantha@foundationminerals.com>
Sent: Tuesday, August 11, 2020 8:24 AM
To: Tyler Jolly <tjolly@mewbourne.com>
Cc: 'Walker Meadows' <wmeadows@bcoperating.com>; Phil Hammond <phammond@bcoperating.com>
Subject: RE: [EXT] RE: Creedence 21/16 WOFC State Com #4H-dr

Tyler-

I show we sold the interest in 28-23S-28E to Marathon, it is listed on page of the Exhibit (page 30 of the total document).

Following up with management again regarding the Creedence, I believe they are going to participate but need to get confirmation.

Thank you,
Samantha

From: Tyler Jolly <tjolly@mewbourne.com>
Sent: Tuesday, August 11, 2020 7:46 AM
To: Samantha Durham <samantha@foundationminerals.com>
Cc: Walker Meadows <wmeadows@bcoperating.com>
Subject: RE: [EXT] RE: Creedence 21/16 WOFC State Com #4H-dr

Samantha,

Following up here. Does Crown or Crump want to participate in these wells or execute a quick term assignment?

Tyler Jolly
Mewbourne Oil Company
500 West Texas, Suite 1020,
Midland, TX 79701
Ph: 432-682-3715

From: Samantha Durham <samantha@foundationminerals.com>
Sent: Wednesday, August 05, 2020 10:36 AM
To: Tyler Jolly <tjolly@mewbourne.com>
Cc: Walker Meadows <wmeadows@bcoperating.com>
Subject: Re: [EXT] RE: Creedence 21/16 WOFC State Com #4H-dr

Tyler- I'm not in the office this week but can look Monday. I believe that interest was sold to Marathon in 2017.

Thanks,
Samantha

Sent from my iPhone

On Aug 5, 2020, at 10:00 AM, Tyler Jolly <tjolly@mewbourne.com> wrote:

Samantha,

I also wanted to discuss our Thor 28 area that we took over from Marathon. It appears Crown, Crump, and Nadel and Gussman have an interest in the E2SW4 and SW4SW4 of Section 28, T23S, R28E. It appears this interest was pooled but wanted to reach out to see if you guys wanted to execute a term assignment or participate in the wells.

Please let me know ASAP as these wells are Scheduled to spud next month.

Tyler Jolly
Mewbourne Oil Company
500 West Texas, Suite 1020,
Midland, TX 79701
Ph: 432-682-3715

From: Samantha Durham <samantha@foundationminerals.com>
Sent: Wednesday, August 05, 2020 9:23 AM
To: Tyler Jolly <tjolly@mewbourne.com>
Cc: Walker Meadows <wmeadows@bcoperating.com>
Subject: Re: [EXT] RE: Creedence 21/16 WOFC State Com #4H-dr

Tyler- good morning, Walker passed along your voicemail. I had sent these to management to be circulated for signature, checking the status now and will get back to you. Thanks!

Samantha

Sent from my iPhone

On Jul 7, 2020, at 8:55 AM, Tyler Jolly <tjolly@mewbourne.com> wrote:

Samantha,

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Thank you for working with us.

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<image001.png>

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Landman

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O 432-253-4329 • C 817.994.3718

wmeadows@bcoperating.com

MEWBOURNE OIL COMPANY

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

June 5, 2020

Via Certified Mail

Tom Ragsdale
400 N. Sam Houston Pkwy East Suite 601
Houston, TX 77060

Re: Creedence 21-16 W1OB Fed Com #1H
Creedence 21-16 W0OB Fed Com #2H
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E2 of Section 16, E2 of Section 21
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T24S, R28E, Eddy County, New Mexico

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Page 2 of 3

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Surface Location: 100' FNL, 1145' FEL, Section 28
Bottom Hole Location: 330' FSL, 330' FEL, Section 33
Proposed Total Vertical Depth: 9558'
Proposed Total Measured Depth: 19706'
Formation: Wolfcamp
- 8) Kansas 28-33 W1AP Fed Com #2H – APD in process
Surface Location: 100' FNL, 1175' FEL, Section 28
Bottom Hole Location: 330' FSL, 990' FEL, Section 33
Proposed Total Vertical Depth: 9759'
Proposed Total Measured Depth: 19831'
Formation: Wolfcamp

The wells will be pad drilled with the first well tentatively planned to spud 1st quarter 2021 depending on commodity prices. In the event you elect to participate in the proposed wells, please execute the enclosed Operating Agreement (the "OA") and AFEs before returning them to the undersigned within thirty (30) days. The OA will supersede the Operating Agreement dated April 15, 2018 as to the E2 of Section 16 and NE4 of Section 21 and will spread your interest across the captioned lands as to the Wolfcamp formation for two-mile development. Any existing wellbores will be unaffected by this new OA. The OA lists a non-consent penalty of 300%/100% and COPAS drilling/producing rates of \$8000/month and \$800/month respectively. Please enclose your most current well information requirements so that we may supply well data when available.

Creedence 21-16 W1OB Fed Com #1H
Creedence 21-16 W0OB Fed Com #2H
Creedence 21-16 W1PA Fed Com #2H
Creedence 21-16 W0PA Fed Com #1H
Kansas 28-33 W0BO Fed Com #1H
Kansas 28-33 W1OB Fed Com #2H
Kansas 28-33 W0AP Fed Com #1H
Kansas 28-33 W1AP Fed Com #2H

Page 3 of 3

Please contact me at (432) 682-3715 or via email at tjolly@mewbourne.com if you have any questions.

Very truly yours,

MEWBOURNE OIL COMPANY

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

Tyler Jolly
Landman

Enclosures



June 8, 2020

Dear Simple Certified:

The following is in response to your request for proof of delivery on your item with the tracking number:
9402 8106 9994 5050 7937 58.

Item Details

Status:	Delivered to Agent for Final Delivery
Status Date / Time:	June 8, 2020, 11:28 am
Location:	HOUSTON, TX 77060
Postal Product:	Priority Mail®
Extra Services:	Certified Mail™ Return Receipt Electronic Up to \$50 insurance included
Recipient Name:	Tom Ragsdale

Shipment Details

Weight: 1.0oz

Recipient Signature

Signature of Recipient:
(Authorized Agent)

Raymond F. ...
RL C19

400 N SAM HOUSTON PKWY E
STE 601 HOUSTON, TX 77060

Address of Recipient:

Note: Scanned image may reflect a different destination address due to Intended Recipient's delivery instructions on file.

Thank you for selecting the United States Postal Service® for your mailing needs. If you require additional assistance, please contact your local Post Office™ or a Postal representative at 1-800-222-1811.

Sincerely,
United States Postal Service®
475 L'Enfant Plaza SW
Washington, D.C. 20260-0004

Tom Ragsdale
400 N. Sam Houston Pkwy East, Suite 601
Houston, tx 77060
Reference #: Creedence 21-16

EXHIBIT "A"

Attached to and made a part of that certain Operating Agreement dated June 1, 2020, by and between MEWBOURNE OIL COMPANY as Operator and COG OPERATING LLC, et al, as Non-Operators.

1. LANDS SUBJECT TO THIS AGREEMENT:

Township 24 South, Range 28 East, N.M.P.M., Eddy County, New Mexico
E2 of Section 16
E2 of Section 21
E2 of Section 28
E2 of Section 33
containing 1280 acres, more or less.

2. DEPTH RESTRICTIONS AND EXCLUSIONS:

Wolfcamp formation only.

3. ADDRESSES OF THE PARTIES:

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

COG Production LLC
c/o COG Operating LLC
600 W. Illinois Ave.
Midland, TX 79701
Attn: Outside Operated Properties
Phone: (432) 683-7443
Email: oboland@concho.com

CM Resources, LLC
300 N. Marienfeld Street, Suite 1000
Midland, Texas 79701

Marshall & Winston, Inc.
6 Desta Drive, Suite 3100
Midland, TX 79705

Marathon Oil Permian LLC
5555 San Felipe Street
Houston, TX 77056

McCombs Exploration LLC
750 E. Mulberry, Suite 403
San Antonio, TX 78212

Veritas Permian Resources, LLC
P.O. Box 10850
Fort Worth, Texas 76114

Kennedy Minerals, Ltd
500 W. Texas Ave., Suite 655
Midland, TX 79701

Case No. 21382

MEWBOURNE OIL

Exhibit A-9

Crown Oil Partners, LP
Crump Family Partnership, Ltd.
4000 North Big Spring
Suite 310
Midland, TX 79705

Blanco Holdings I, Ltd.
Attn: Peter Way
P.O. Box 36530
Houston, TX 77236

Collins & Jones Investments, LLC
508 W. Wall Street, Suite 1200
Midland, TX 79701

Warren Ventures, Ltd
808 W. Wall Street
Midland, TX 79701

T.I.G. Properties L.P.
P.O. Box 10508
Midland, TX 79702

James J. Braniff, III
9811 Katy Fwy., Suite 500
Houston, TX 77024

R. Miller Houghton
3114 Gulf
Midland, TX 79705

Jane B. Ramsland Oil & Gas
Partnership, LP
P.O. Box 10505
Midland, TX 79702

Dinero Energy Corporation
P.O. Box 10505
Midland, TX 79702

Elizabeth R. Robinson
P.O. Box 10505
Midland, TX 79702

C.D. Ray Exploration, LLC
P.O. Box 51608
Midland, TX 79710

Tom M. Ragsdale
400 N. Sam Houston Pkwy East, Suite
601
Houston, TX 77060

Royal Oak Oil & Gas, LLC
11510 Montmartre Blvd.
Houston, TX 77082

Fasken Land & Minerals, Ltd.
6101 Holiday Hill Road
Midland, TX 79707

Attwell Interests, Inc.
2410 Lock Lane
Houston, TX 77019

Kevin M. Cokinos
5718 Westheimer, Suite 900
Houston, TX 77057

Wellington Hotwells
5599 San Felipe #110
Houston, TX 77056

John A. Wenck, Jr.
745 Pagasus Lane
League City, TX 77573-2080

Claudia R. Burch
P.O. Box 10505
Midland, TX 79702

Brett D. Taylor
7918 S. Wellington Ct.
Houston, TX 77055

Bahnhof Holdings, LP
P.O. Box 10505
Midland, TX 79702

TBO Oil & Gas LLC
P.O. Box 10502
Midland, TX 79702

KCK Energy LLC
5600 Fenway
Midland, TX 79707

Blanco Holdings I, LLC
P.O. Box 36530
Houston, TX 77236

4. PERCENTAGES OF THE PARTIES:

Initial, Substitute and Subsequent Wells

Mewbourne Oil Company
COG Operating LLC
CM Resources, LLC
Marshall & Winston Inc.
Marathon Oil Permian LLC
McCombs Exploration, LLC
Veritas Permian Resources, LLC
Kennedy Minerals, Ltd.
Crown Oil Partners, LP
Fasken Land & Minerals, Ltd.
C.D. Ray Exploration, LLC
Blanco Holdings I, LLC
Royal Oak Oil & Gas, LLC
Tom M. Ragsdale
Collins & Jones Investments
KCK Energy, LLC
Warren Ventures, Ltd.
Crump Family Partnership, Ltd.
TIG Properties, LP
Jane B. Ramsland Oil & Gas Partnership, LP
Attwell Interests, Inc.
James J. Braniff, III
Kevin M. Cokinos
R. Miller Houghton
Claudia R. Burch
Elizabeth R. Robinson
Bahnhof Holdings, LP
Wellington Hotwells

John Wenck, Jr.
Dinero Energy Corporation
Brett D. Taylor
TBO Oil & Gas LLC

5. OIL AND GAS LEASES SUBJECT TO THIS AGREEMENT:

Lease No. 1:

Lease Serial No. V-5979.
Date: October 1, 2000.
Lessor: State of New Mexico.
Lessee: Chi Energy, Inc.
Recorded: Book 395, page 974, Eddy County Records.
Description: **Township 24 South, Range 28 East, N.M.P.M., Eddy County, New Mexico**
Section 16: ONLY INSOFAR as the lease covers the SE4,
containing 160 acres, more or less.

Lease No. 2:

Lease Serial No. VC-0017.
Date: May 1, 2006.
Lessor: State of New Mexico.
Lessee: Charles D. Ray.
Recorded: Unrecorded.
Description: **Township 24 South, Range 28 East, N.M.P.M., Eddy County, New Mexico**
Section 16: NE4,
containing 160 acres, more or less.

Lease No. 3:

Date: November 6, 1980.
Lessor: Jean Biddle McCoid.
Lessee: M. Brad Bennett.
Recorded: Book 191, page 648, Miscellaneous Records.
Description: **Township 24 South, Range 28 East, N.M.P.M., Eddy County, New Mexico**
Section 21: ONLY INSOFAR as the lease covers the E2NW4SW4NE4
(Malaga Tract 903),
containing 5 acres, more or less.

Lease No. 4:

Date: October 7, 1997.
Lessor: Beverly Atha Auck.
Lessee: Chi Energy, Inc.
Recorded: Book 301, page 42, Eddy County Records.
Description: **Township 24 South, Range 28 East, N.M.P.M., Eddy County, New Mexico**
Section 21: W2NW4NW4NE4 (Malaga Tract 870),
containing 5 acres, more or less.

Lease No. 5:

Date: January 15, 2003.
Lessor: Pardue Limited Company.
Lessee: OGX Resources, LLC.
Recorded: Book 494, page 1192, Eddy County Records.
Description: **Township 24 South, Range 28 East, N.M.P.M., Eddy County, New Mexico**
Section 21: ONLY INsofar as the lease covers the S2SW4NE4,
W2NW4SW4NE4, W2NE4SW4NE4, E2NE4, E2NW4NE4, SW4NW4NE4,
E2NW4NW4NE4,
containing 145 acres, more or less.

Lease No. 6:

Date: May 1, 2003.
Lessor: Gail A. Johnson, joined pro forma by her husband, Paul W. Johnson.
Lessee: OGX Resources, LLC.
Recorded: Book 512, page 267, Eddy County Records.
Description: **Township 24 South, Range 28 East, N.M.P.M., Eddy County, New Mexico**
Section 21: E2NE4SW4NE4,
containing 5 acres, more or less.

Lease No. 7:

Date: August 23, 1997.
Lessor: Pardue Limited Company.
Lessee: Chi Energy, Inc.
Recorded: Book 292, page 390, Eddy County Records.
Description: **Township 24 South, Range 28 East, N.M.P.M., Eddy County, New Mexico**
Section 21: E2NW4NE4, SW4NW4NE4, E2NW4NW4NE4,
containing 35 acres, more or less.

Lease No. 8:

Date: June 1, 2004.
Lessor: Thomas N. Atha; Randell J. Atha; and Robert J. Atha, a widower.
Lessee: OGX Resources, LLC.
Recorded: Book 558, page 1036, Eddy County Records.
Description: **Township 24 South, Range 28 East, N.M.P.M., Eddy County, New Mexico**
Section 21: W2NW4NW4NE4 (Malaga Tract 870),
containing 5 acres, more or less.

Lease No. 9:

Lease Serial No. NMNM 81922.
Date: August 1, 1989.
Lessor: United States of America.
Lessee: Santa Fe Energy Operating Partners, LP.
Recorded: Book 51, page 673, Eddy County Records.
Description: **Township 24 South, Range 28 East, N.M.P.M., Eddy County, New Mexico**
Section 21: ONLY INSOFAR as the lease covers the NE4SE4,
containing 40 acres, more or less.

Lease No. 10:

Lease Serial No. NMNM 36975.
Date: February 1, 1981.
Lessor: United States of America.
Lessee: Joseph J. Della-Penna.
Recorded: Unrecorded.
Description: **Township 24 South, Range 28 East, N.M.P.M., Eddy County, New Mexico**
Section 21: ONLY INSOFAR as the lease covers the W2SE4, SE4SE4,
Section 28: ONLY INSOFAR as the lease covers the E2,
containing 440 acres, more or less.

Lease No. 11:

Lease Serial No. NMNM 115411.
Date: March 1, 2006.
Lessor: United States of America.
Lessee: March 1, 2006.
Recorded: Unrecorded.
Description: **Township 24 South, Range 28 East, N.M.P.M., Eddy County, New Mexico**
Section 33: ONLY INSOFAR as the lease covers the E2,
containing 320 acres, more or less.

6. BURDENS ON PRODUCTION:

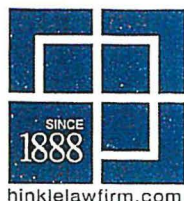
Burdens of Record.

End of Exhibit "A"

Application of Mewbourne Oil Company for compulsory pooling, Eddy County, New Mexico. Applicant seeks an order pooling all uncommitted mineral interests in the Wolfcamp formation in a 640-acre, more or less, standard horizontal spacing unit comprised of the E/2 of Section 21 and the E/2 of Section 16, Township 24 South, Range 28 East in Eddy County, New Mexico. The horizontal spacing unit will be dedicated to the following wells: (a) Creedence 21-16 W1OB Fed Com #1H well, which will be horizontally drilled from a surface location in Unit P in Section 21 to a bottom hole location in Unit B in Section 16, Township 24 South, Range 28 East; (b) Creedence 21-16 W0OB Fed Com #2H well, which will be horizontally drilled from a surface location in Unit P in Section 21 to a bottom hole location in Unit B in Section 16, Township 24 South, Range 28 East; (c) Creedence 21-16 W0PA Fed Com #1H well, which will be horizontally drilled from a surface location in Unit P in Section 21 to a bottom hole location in Unit A in Section 16, Township 24 South, Range 28 East; and (d) Creedence 21-16 W1PA Fed Com #2H well, which will be horizontally drilled from a surface location in Unit P in Section 21 to a bottom hole location in Unit A in Section 16, Township 24 South, Range 28 East. The completed intervals for the wells will be orthodox. Also to be considered will be the costs of drilling and completing the wells and the allocation of the costs, the designation of Mewbourne Oil Company as the operator of the wells, and a 200% charge for the risk involved in drilling and completing the wells. The wells are located approximately 4 miles south of Loving, New Mexico.

Case No. 21382

**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

August 18, 2020

VIA CERTIFIED MAIL

Crown Oil Partners, LP
4000 North Big Spring, Suite 310
Midland, TX 79705

Case No. 21382

MEWBOURNE OIL
Exhibit A-11

Re: Mewbourne Oil Company NMOCD Application

Dear Sir or Madam:

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"). The application (Case No. 21382) seeks an order pooling all uncommitted mineral interests in the Wolfcamp formation in a 640-acre, more or less, standard horizontal spacing unit comprised of the E/2 of Section 21 and the E/2 of Section 16, Township 24 South, Range 28 East in Eddy County, New Mexico. The horizontal spacing unit will be dedicated to the following wells: (a) Creedence 21-16 W1OB Fed Com #1H well, which will be horizontally drilled from a surface location in Unit P in Section 21 to a bottom hole location in Unit B in Section 16, Township 24 South, Range 28 East; (b) Creedence 21-16 W0OB Fed Com #2H well, which will be horizontally drilled from a surface location in Unit P in Section 21 to a bottom hole location in Unit B in Section 16, Township 24 South, Range 28 East; (c) Creedence 21-16 W0PA Fed Com #1H well, which will be horizontally drilled from a surface location in Unit P in Section 21 to a bottom hole location in Unit A in Section 16, Township 24 South, Range 28 East; and (d) Creedence 21-16 W1PA Fed Com #2H well, which will be horizontally drilled from a surface location in Unit P in Section 21 to a bottom hole location in Unit A in Section 16, Township 24 South, Range 28 East.

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 September 10, 2020 beginning at 8:15 a.m. To participate in the electronic hearing, see the instructions posted on the docket for the hearing date: <http://www.emnrd.state.nm.us/OCD/hearings.html>. Crown Oil Partners, LP ("Crown") 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 Crown 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, September 3, 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

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

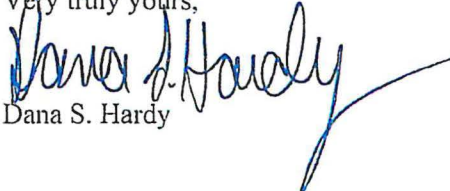
7601 JEFFERSON ST NE • SUITE 180
ALBUQUERQUE, NEW MEXICO 87109
505-858-8320
(FAX) 505-858-8321

August 18, 2020
Page 2

an identification of any procedural matters that need to be resolved prior to the hearing. The Pre-Hearing Statement must also be provided to me.

Thank you for your attention to this matter.

Very truly yours,


Dana S. Hardy

Enclosure

HINKLE SHANOR LLP

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:

Crown Oil Partners, LP
4000 North Big Spring, Suite 310
Midland, TX 79705



9590 9402 5941 0062 9891 53

2.

7020 0640 0000 0302 9003

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

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☐ Agent☐ Addressee

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Restricted Delivery

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1. Article Addressed to:

Crump Family Partnership, Ltd
4000 North Big Spring, Suite 310
Midland, TX 79705



9590 9402 5941 0062 9878 21

2. Article Number (Transfer from service label)

7020 0640 0000 0302 9010

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If YES, enter delivery address below: ☐ No

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

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1. Article Addressed to:

Fasken Iron & Minerals, Ltd
6101 Holiday Hill Road
Midland, TX 79707



9590 9402 5941 0062 9878 38

2. Article Number (Transfer from service label)

7020 0640 0000 0302 9027

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

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A. Signature

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☐ Agent☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type

☐ Adult Signature
☐ Adult Signature Restricted Delivery
☒ Certified Mail®☐ Certified Mail Restricted Delivery☐ Collect on Delivery☐ Collect on Delivery Restricted Delivery

all Restricted Delivery

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

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<p>■ Complete items 1, 2, and 3.</p> <p>■ Print your name and address on the reverse so that we can return the card to you.</p> <p>■ Attach this card to the back of the mailpiece, or on the front if space permits.</p> <p>1. Article Addressed to:</p> <p>Jim Braniff III 9811 Katy Fwy. Suite 500 Houston, TX 77024</p> <p>2. Article Tracking Number (from sender label)</p> <p>7020 0640 0000 0302 9393</p>	<p>A. Signature</p> <p>X RS 2445 <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) C. Date of Delivery</p> <p>COVINO 9 8/21/20</p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If YES, enter delivery address below:</p> <p>3. Service Type <input type="checkbox"/> Priority Mail Express® <input type="checkbox"/> Registered Mail™ <input type="checkbox"/> Registered Mail Restricted Delivery <input 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"/> Return Receipt for Merchandise <input type="checkbox"/> Signature Confirmation™ <input type="checkbox"/> Signature Confirmation Restricted Delivery</p>

9590 9402 5941 0062 9878 45

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

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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>Kennedy Minerals Ltd 500 W. Texas Avenue, Suite 655 Midland, TX 79701</p> <p>2. Article Tracking Number (from sender label)</p> <p>7020 0640 0000 0302 8921</p>	<p>A. Signature</p> <p>X <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) C. Date of Delivery</p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If YES, enter delivery address below:</p> <p>3. Service Type <input type="checkbox"/> Priority Mail Express® <input type="checkbox"/> Registered Mail™ <input type="checkbox"/> Registered Mail Restricted Delivery <input 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"/> Return Receipt for Merchandise <input type="checkbox"/> Signature Confirmation™ <input type="checkbox"/> Signature Confirmation Restricted Delivery</p>

9590 9402 5941 0062 9890 78

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Certified Mail Fee \$

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

☐ Return Receipt (hardcopy) \$

☐ Return Receipt (electronic) \$

☐ Certified Mail Restricted Delivery \$

☐ Adult Signature Required \$

☐ Adult Signature Restricted Delivery \$

Postage \$

Total Postage and Fees \$

Sent To Kevin M. Cokinos

Street and Apt. No., or PO Box 5718 Westheimer, Ste 900

City, State, ZIP+4® Houston, TX 77057

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

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:

Marathon Oil Permian LLC
5555 San Felipe Street
Houston, TX 77056



9590 9402 5941 0062 9890 92

2. Article Number (Transfer from service label)

7020 0640 0000 0302 8945

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

Domestic Return Receipt

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

☐ Agent☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

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

If YES, enter delivery address below:

☐ No

3. Service Type

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

II Restricted Delivery

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

1. Article Addressed to:

R. Miller Houghton
3114 Guil
Midland, TX 79705



9590 9402 5941 0062 9891 08

2. Article Number (Transfer from service label)

7020 0640 0000 0302 8952

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

Domestic Return Receipt

COMPLETE THIS SECTION ON DELIVERY

A. Signature

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☐ Agent☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

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

If YES, enter delivery address below:

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3. Service Type

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I Restricted Delivery

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

1. Article Addressed to:

Tom Ragsdale
400 N. Sam Houston Pkwy East,
Suite 601
Houston, TX 77060



9590 9402 5941 0062 9891 15

2. Article Number (Transfer from service label)

7020 0640 0000 0302 8969

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

Domestic Return Receipt

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

☐ Agent☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

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

If YES, enter delivery address below:

☐ No

3. Service Type


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

all Restricted Delivery

7020 0640 0000 0302 8976

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT Domestic Mail Only	
For delivery information, visit our website at www.usps.com ®.	
OFFICIAL USE	
Certified Mail Fee	\$
Extra Services & Fees (check box, add fee as appropriate)	
<input type="checkbox"/> Return Receipt (hardcopy)	\$
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$
Postage	\$
Total Postage and Fees	\$
Sent To	Attwell Interests, Inc.
Street and Apt. No., or PO Box	2410 Locke Lane
City, State, ZIP+4®	Houston, TX 77019
PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions	

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none">Complete items 1, 2, and 3.Print your name and address on the reverse so that we can return the card to you.Attach this card to the back of the mailpiece, or on the front if space permits.	A. Signature <input checked="" type="checkbox"/> <i>M Horton</i> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee
1. Article Addressed to: CM Resources, LLC 300 N. Marienfeld St, Ste 1000 Midland, TX 79701	B. Received by (Printed Name) <i>COVID-19-7.2</i> C. Date of Delivery <i>8/27/20</i>
 9590 9402 5941 0062 9891 39	D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No
2. Article Number (Transfer from service label) 7020 0640 0000 0302 8983	3. Service Type <input type="checkbox"/> Adult Signature <input type="checkbox"/> Priority Mail Express® <input type="checkbox"/> Adult Signature Restricted Delivery <input type="checkbox"/> Registered Mail™ <input checked="" type="checkbox"/> Certified Mail® <input type="checkbox"/> Registered Mail Restricted Delivery <input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Signature Confirmation™ <input type="checkbox"/> Collect on Delivery Restricted Delivery <input type="checkbox"/> Signature Confirmation Restricted Delivery
PS Form 3811, July 2015 PSN 7530-02-000-9053 Domestic Return Receipt	

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none">Complete items 1, 2, and 3.Print your name and address on the reverse so that we can return the card to you.Attach this card to the back of the mailpiece, or on the front if space permits.	A. Signature <input checked="" type="checkbox"/> <i>Danese King</i> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee
1. Article Addressed to: COG Operating LLC 600 W. Illinois Avenue Midland, TX 79701	B. Received by (Printed Name) <i>Danese King</i> C. Date of Delivery <i>8/24/2020</i>
 9590 9402 5941 0062 9891 46	D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No
2. Article Number (Transfer from service label) 7020 0640 0000 0302 8990	3. Service Type <input type="checkbox"/> Adult Signature <input type="checkbox"/> Priority Mail Express® <input type="checkbox"/> Adult Signature Restricted Delivery <input type="checkbox"/> Registered Mail™ <input checked="" type="checkbox"/> Certified Mail® <input type="checkbox"/> Registered Mail Restricted Delivery <input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Signature Confirmation™ <input type="checkbox"/> Collect on Delivery Restricted Delivery <input type="checkbox"/> Signature Confirmation Restricted Delivery
PS Form 3811, July 2015 PSN 7530-02-000-9053 Domestic Return Receipt	

Affidavit of Publication

Ad # 0004334923

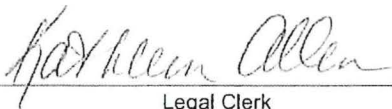
This is not an invoice

HINKLE SHANOR LLP
218 MONTEZUMA

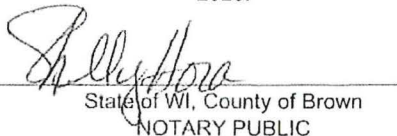
SANTA FE, NM 87501

I, a legal clerk of the **Carlsbad Current Argus**, a newspaper published daily at the City of Carlsbad, in said county of Eddy, state of New Mexico and of general paid circulation in said county; that the same is a duly qualified newspaper under the laws of the State wherein legal notices and advertisements may be published; that the printed notice attached hereto was published in the regular and entire edition of said newspaper and not in supplement thereof on the date as follows, to wit:

08/18/2020


Legal Clerk

Subscribed and sworn before me this August 18,
2020:


State of WI, County of Brown
NOTARY PUBLIC

8-25-23
My commission expires

SHELLY HORA
Notary Public
State of Wisconsin

Ad # 0004334923
PO #: COG Operating LLC
of Affidavits 1

This is not an invoice

This is to notify all interested parties, including COG Operating LLC, CM Resources, LLC, Marathon Oil Permian LLC, Kennedy Minerals Ltd, Crown Oil Partners, LP, Fasken Land & Minerals, Ltd, Tom Ragsdale, Crump Family Partnership, Ltd, Attwell Interests, Inc., Jim Braniff III, Kevin M. Cokinos, R. Miller Houghton, 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. 21382). 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 September 10, 2020 beginning at 8:15 a.m. To participate in the electronic hearing, see the instructions posted on the docket for the hearing date: <http://www.emnrd.state.nm.us/OCD/hearings.html>. Applicant seeks an order pooling all uncommitted mineral interests in the Wolfcamp formation in a 640-acre, more or less, standard horizontal spacing unit comprised of the E/2 of Section 21 and the E/2 of Section 16, Township 24 South, Range 28 East in Eddy County, New Mexico. The horizontal spacing unit will be dedicated to the following wells: (a) Creedence 21-16 W10B Fed Com #1H well, which will be horizontally drilled from a surface location in Unit P in Section 21 to a bottom hole location in Unit B in Section 16, Township 24 South, Range 28 East; (b) Creedence 21-16 W00B Fed Com #2H well, which will be horizontally drilled from a surface location in Unit P in Section 21 to a bottom hole location in Unit B in Section 16, Township 24 South, Range 28 East; (c) Creedence 21-16 W0PA Fed Com #1H well, which will be horizontally drilled from a surface location in Unit P in Section 21 to a bottom hole location in Unit A in Section 16, Township 24 South, Range 28 East; and (d) Creedence 21-16 W1PA Fed Com #2H well, which will be horizontally drilled from a surface location in Unit P in Section 21 to a bottom hole location in Unit A in Section 16, Township 24 South, Range 28 East. The completed intervals for the wells will be orthodox. Also to be considered will be the costs of drilling and completing the wells and the allocation of the costs, the designation of Mewbourne Oil Company as the operator of the wells, and a 200% charge for the risk involved in drilling and completing the wells. The wells are located approximately 4 miles south of Loving, New Mexico.
#4334923, Current Argus, August 18, 2020

Case No. 21382

MEWBOURNE OIL
Exhibit A-12

AUTHORIZATION FOR EXPENDITURE

Well Name: Creedence 21/16 WOOB Fed Com #2H		Prospect: Creedence			
Location: SL: 100 FSL & 1205 FEL (21); BHL: 330 FNL & 1650 FEL (16)		County: Eddy ST: NM			
Sec. 21/16	Blk:	Survey:	TWP: 24S RNG: 28E Prop. TVD: 9538 TMD: 19580		
INTANGIBLE COSTS 0180		CODE	TCP	CODE	CC
Regulatory Permits & Surveys		0180-0100	\$20,000	0180-0200	
Location / Road / Site / Preparation		0180-0105	\$35,000	0180-0205	\$35,000
Location / Restoration		0180-0106	\$200,000	0180-0206	\$35,000
Daywork / Turnkey / Footage Drilling 28 days drlg / 4 days comp @ \$18000/d		0180-0110	\$538,300	0180-0210	\$76,900
Fuel 1700 gal/day @ \$1.1/gal		0180-0114	\$59,800	0180-0214	\$320,000
Mud, Chemical & Additives		0180-0120	\$170,000	0180-0220	
Horizontal Drillout Services				0180-0222	\$200,000
Cementing		0180-0125	\$80,000	0180-0225	\$30,000
Logging & Wireline Services		0180-0130	\$2,300	0180-0230	\$365,000
Casing / Tubing / Snubbing Service		0180-0134	\$18,000	0180-0234	\$42,000
Mud Logging		0180-0137	\$35,000		
Stimulation 60 Stg 24.8 MM gal / 24.8 MM lb				0180-0241	\$1,505,000
Stimulation Rentals & Other				0180-0242	\$185,000
Water & Other		0180-0145	\$35,000	0180-0245	\$350,000
Bits		0180-0148	\$96,100	0180-0248	\$5,000
Inspection & Repair Services		0180-0150	\$50,000	0180-0250	\$5,000
Misc. Air & Pumping Services		0180-0154		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	\$120,000		
Transportation		0180-0165	\$30,000	0180-0265	\$20,000
Welding Services		0180-0168	\$4,000	0180-0268	\$15,000
Contract Services & Supervision		0180-0170		0180-0270	\$18,000
Directional Services Includes Vertical Control		0180-0175	\$403,000		
Equipment Rental		0180-0180	\$221,300	0180-0280	\$24,000
Well / Lease Legal		0180-0184	\$5,000	0180-0284	
Well / Lease Insurance		0180-0185	\$5,900	0180-0285	
Intangible Supplies		0180-0188	\$7,000	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	
Company Supervision		0180-0195	\$316,800	0180-0295	\$124,800
Overhead Fixed Rate		0180-0196	\$10,000	0180-0296	\$20,000
Well Abandonment		0180-0198		0180-0298	
Contingencies 2% (TCP) 2% (CC)		0180-0199	\$49,700	0180-0299	\$68,900
TOTAL			\$2,534,200		\$3,514,100
TANGIBLE COSTS 0181					
Casing (19.1" - 30")		0181-0793			
Casing (10.1" - 19.0") 425' - 13 3/8" 54.5# J-55 ST&C @ \$32.16/ft		0181-0794	\$14,800		
Casing (8.1" - 10.0") 2475' - 9 5/8" 40# J-55 LT&C @ \$24.48/ft		0181-0795	\$65,400		
Casing (6.1" - 8.0") 9865' - 7" 29# HCP-110 LT&C @ \$21.47/ft		0181-0796	\$228,700		
Casing (4.1" - 6.0") 10690' - 4 1/2" 13.5# P-110 BPN @ \$11.72/ft				0181-0797	\$135,300
Tubing 8965' - 2 7/8" 6.5# L-80 Tbg @ \$4.54/ft				0181-0798	\$43,900
Drilling Head		0181-0860	\$35,000		
Tubing Head & Upper Section				0181-0870	\$30,000
Horizontal Completion Tools Completion Liner Hanger				0181-0871	\$45,000
Sucker Rods				0181-0875	
Subsurface Equipment Packer				0181-0880	\$10,000
Artificial Lift Systems Gas Lift Valves				0181-0884	\$15,000
Pumping Unit				0181-0885	
Surface Pumps & Prime Movers 1/2 VRU/SWD TP				0181-0886	\$55,000
Tanks - Oil 1/2 of 6 - 750 bbl				0181-0890	\$60,000
Tanks - Water 1/2 of 5 - 750 bbl coated				0181-0891	\$50,000
Separation / Treating Equipment 1/2(GB,VRT/Flare) / 30"x10"x1k 3 ph/48"x15"x1k# Hor 3				0181-0895	\$154,000
Heater Treaters, Line Heaters 8'x20"x75# HT				0181-0897	\$27,000
Metering Equipment				0181-0898	\$15,000
Line Pipe & Valves - Gathering (1/2) 1 mile 6" poly & 1 mile 4-1/2" steel gas line				0181-0900	\$31,000
Fittings / Valves & Accessories				0181-0906	\$150,000
Cathodic Protection Automation				0181-0908	\$57,500
Electrical Installation				0181-0909	\$75,000
Equipment Installation				0181-0910	\$65,000
Pipeline Construction (1/2) 1 mile buried 6" poly & 1 mile 4-1/2" steel gas line					

MEWBOURNE OIL COMPANY

AUTHORIZATION FOR EXPENDITURE

Well Name: Creedence 21/16 WOPA Fed Com #1H		Prospect: Creedence	
Location: SL: 100 FSL & 1145 FEL (21); BHL: 330 FNL & 330 FEL (16)		County: Eddy	ST: NM
Sec: 21/16	Blk: 	Survey: 	TWP: 24S RNG: 28E Prop. TVD: 9557 TMD: 19627

INTANGIBLE COSTS 0180		CODE	TCP	CODE	CC
Regulatory Permits & Surveys		0180-0100	\$20,000	0180-0200	
Location / Road / Site / Preparation		0180-0105	\$35,000	0180-0205	\$35,000
Location / Restoration		0180-0106	\$200,000	0180-0206	\$35,000
Daywork / Turnkey / Footage Drilling	28 days drlg / 4 days comp @ \$18000/d	0180-0110	\$538,300	0180-0210	\$76,900
Fuel	1700 gal/day @ \$1.1/gal	0180-0114	\$59,800	0180-0214	\$320,000
Mud, Chemical & Additives		0180-0120	\$170,000	0180-0220	
Horizontal Drillout Services				0180-0222	\$200,000
Cementing		0180-0125	\$80,000	0180-0225	\$30,000
Logging & Wireline Services		0180-0130	\$2,300	0180-0230	\$365,000
Casing / Tubing / Snubbing Service		0180-0134	\$18,000	0180-0234	\$42,000
Mud Logging		0180-0137	\$35,000		
Stimulation	60 Stg 24.8 MM gal / 24.8 MM lb			0180-0241	\$1,505,000
Stimulation Rentals & Other				0180-0242	\$185,000
Water & Other		0180-0145	\$35,000	0180-0245	\$350,000
Bits		0180-0148	\$96,100	0180-0248	\$5,000
Inspection & Repair Services		0180-0150	\$50,000	0180-0250	\$5,000
Misc. Air & Pumping Services		0180-0154		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	\$120,000		
Transportation		0180-0165	\$30,000	0180-0265	\$20,000
Welding Services		0180-0168	\$4,000	0180-0268	\$15,000
Contract Services & Supervision		0180-0170		0180-0270	\$18,000
Directional Services	Includes Vertical Control	0180-0175	\$403,000		
Equipment Rental		0180-0180	\$221,300	0180-0280	\$24,000
Well / Lease Legal		0180-0184	\$5,000	0180-0284	
Well / Lease Insurance		0180-0185	\$5,900	0180-0285	
Intangible Supplies		0180-0188	\$7,000	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	
Company Supervision		0180-0195	\$316,800	0180-0295	\$124,800
Overhead Fixed Rate		0180-0196	\$10,000	0180-0296	\$20,000
Well Abandonment		0180-0198		0180-0298	
Contingencies	2% (TCP) 2% (CC)	0180-0199	\$49,700	0180-0299	\$68,900
TOTAL			\$2,534,200		\$3,514,100

TANGIBLE COSTS 0181		CODE	TCP	CODE	CC
Casing (19.1" - 30")		0181-0793			
Casing (10.1" - 19.0")	425' - 13 3/8" 54.5# J-55 ST&C @ \$32.16/ft	0181-0794	\$14,800		
Casing (8.1" - 10.0")	2475' - 9 5/8" 40# J-55 LT&C @ \$24.48/ft	0181-0795	\$65,400		
Casing (6.1" - 8.0")	9880' - 7" 29# HCP-110 LT&C @ \$21.47/ft	0181-0796	\$229,100		
Casing (4.1" - 6.0")	10690' - 4 1/2" 13.5# P-110 BPN @ \$11.72/ft			0181-0797	\$135,300
Tubing	8980' - 2 7/8" 6.5# L-80 Tbg @ \$4.54/ft			0181-0798	\$44,000
Drilling Head		0181-0860	\$35,000		
Tubing Head & Upper Section				0181-0870	\$30,000
Horizontal Completion Tools	Completion Liner Hanger			0181-0871	\$45,000
Sucker Rods				0181-0875	
Subsurface Equipment	Packer			0181-0880	\$10,000
Artificial Lift Systems	Gas Lift Valves			0181-0884	\$15,000
Pumping Unit				0181-0885	
Surface Pumps & Prime Movers	1/2 VRU/SWD TP			0181-0886	\$55,000
Tanks - Oil	1/2 of 6 - 750 bbl			0181-0890	\$60,000
Tanks - Water	1/2 of 5 - 750 bbl coated			0181-0891	\$50,000
Separation / Treating Equipment	1/2(GB,VRT/Flare) / 30"x10"x1k 3 ph/48"x15"x1k# Hor 3			0181-0895	\$154,000
Heater Treaters, Line Heaters	8"x20"x75# HT			0181-0897	\$27,000
Metering Equipment				0181-0898	\$15,000
Line Pipe & Valves - Gathering	(1/2) 1 mile 6" poly & 1 mile 4-1/2" steel gas line			0181-0900	\$31,000
Fittings / Valves & Accessories				0181-0906	\$150,000
Cathodic Protection	Automation			0181-0908	\$57,500
Electrical Installation				0181-0909	\$75,000
Equipment Installation				0181-0910	\$65,000
Pipeline Construction	(1/2) 1 mile buried 6" poly & 1 mile 4-1/2" steel gas line			0181-0920	\$65,000
TOTAL			\$344,300		\$1,083,800
SUBTOTAL			\$2,878,500		\$4,597,900

TOTAL WELL COST \$7,476,400

Extra Expense Insurance <input type="checkbox"/> 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.	
<input type="checkbox"/> I elect to purchase my own well control insurance policy.	
If neither box is checked above, non-operating working interest owner elects to be covered by Operator's well control insurance.	
Prepared by: H. Buckley	Date: 5/18/2020
Company Approval: _____	Date: _____
Joint Owner Interest: _____ Amount: _____	Signature: _____
Joint Owner Name: _____	

MEWBOURNE OIL COMPANY

Well Name: Creedence 21/16 W1OB Fed Com #1H		Prospect: Creedence			
Location: SL: 100 FSL & 1235 FEL (21); BHL: 330 FNL & 2310 FEL (16)		County: Eddy ST: NM			
Sec. 21/16	Blk: 	Survey: 	TWP: 24S RNG: 28E Prop. TVD: 9733 TMD: 19778		
INTANGIBLE COSTS 0180		CODE	TCP	CODE	CC
Regulatory Permits & Surveys		0180-0100	\$20,000	0180-0200	
Location / Road / Site / Preparation		0180-0105	\$35,000	0180-0205	\$35,000
Location / Restoration		0180-0106	\$200,000	0180-0206	\$35,000
Daywork / Turnkey / Footage Drilling 28 days drlg / 4 days comp @ \$18000/d		0180-0110	\$538,300	0180-0210	\$76,900
Fuel 1700 gal/day @ \$1.1/gal		0180-0114	\$59,800	0180-0214	\$320,000
Mud, Chemical & Additives		0180-0120	\$170,000	0180-0220	
Horizontal Drillout Services				0180-0222	\$200,000
Cementing		0180-0125	\$80,000	0180-0225	\$30,000
Logging & Wireline Services		0180-0130	\$2,300	0180-0230	\$365,000
Casing / Tubing / Snubbing Service		0180-0134	\$18,000	0180-0234	\$42,000
Mud Logging		0180-0137	\$35,000		
Stimulation 60 Stg 24.8 MM gal / 24.8 MM lb				0180-0241	\$1,505,000
Stimulation Rentals & Other				0180-0242	\$185,000
Water & Other		0180-0145	\$35,000	0180-0245	\$350,000
Bits		0180-0148	\$96,100	0180-0248	\$5,000
Inspection & Repair Services		0180-0150	\$50,000	0180-0250	\$5,000
Misc. Air & Pumping Services		0180-0154		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	\$120,000		
Transportation		0180-0165	\$30,000	0180-0265	\$20,000
Welding Services		0180-0168	\$4,000	0180-0268	\$15,000
Contract Services & Supervision		0180-0170		0180-0270	\$18,000
Directional Services Includes Vertical Control		0180-0175	\$403,000		
Equipment Rental		0180-0180	\$221,300	0180-0280	\$24,000
Well / Lease Legal		0180-0184	\$5,000	0180-0284	
Well / Lease Insurance		0180-0185	\$5,900	0180-0285	
Intangible Supplies		0180-0188	\$7,000	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	
Company Supervision		0180-0195	\$316,800	0180-0295	\$124,800
Overhead Fixed Rate		0180-0196	\$10,000	0180-0296	\$20,000
Well Abandonment		0180-0198		0180-0298	
Contingencies 2% (TCP) 2% (CC)		0180-0199	\$49,700	0180-0299	\$68,900
TOTAL			\$2,534,200		\$3,514,100
TANGIBLE COSTS 0181					
Casing (19.1" - 30")		0181-0793			
Casing (10.1" - 19.0") 425' - 13 3/8" 54.5# J-55 ST&C @ \$32.16/ft		0181-0794	\$14,800		
Casing (8.1" - 10.0") 2475' - 9 5/8" 40# J-55 LT&C @ \$24.48/ft		0181-0795	\$65,400		
Casing (6.1" - 8.0") 10060' - 7" 29# HCP-110 LT&C @ \$21.47/ft		0181-0796	\$233,200		
Casing (4.1" - 6.0") 10690' - 4 1/2" 13.5# P-110 BPN @ \$11.72/ft				0181-0797	\$135,300
Tubing 9160' - 2 7/8" 6.5# L-80 Tbg @ \$4.54/ft				0181-0798	\$44,900
Drilling Head		0181-0860	\$35,000		
Tubing Head & Upper Section				0181-0870	\$30,000
Horizontal Completion Tools Completion Liner Hanger				0181-0871	\$45,000
Sucker Rods				0181-0875	
Subsurface Equipment Packer				0181-0880	\$10,000
Artificial Lift Systems Gas Lift Valves				0181-0884	\$15,000
Pumping Unit				0181-0885	
Surface Pumps & Prime Movers 1/2 VRU/SWD TP				0181-0886	\$55,000
Tanks - Oil 1/2 of 6 - 750 bbl				0181-0890	\$60,000
Tanks - Water 1/2 of 5 - 750 bbl coated				0181-0891	\$50,000
Separation / Treating Equipment 1/2(GB,VRT/Flare) / 30"x10"x1k 3 ph/48"x15"x1k# Hor 3				0181-0895	\$154,000
Heater Treaters, Line Heaters 8'x20'x75# HT				0181-0897	\$27,000
Metering Equipment				0181-0898	\$15,000
Line Pipe & Valves - Gathering (1/2) 1 mile 6" poly & 1 mile 4-1/2" steel gas line				0181-0900	\$31,000
Fittings / Valves & Accessories				0181-0906	\$150,000
Cathodic Protection Automation				0181-0908	\$57,500
Electrical Installation				0181-0909	\$75,000

MEWBOURNE OIL COMPANY

AUTHORIZATION FOR EXPENDITURE

Well Name: Creedence 21/16 W1PA Fed Com #2H		Prospect: Creedence	
Location: SL: 100 FSL & 1175 FEL (21); BHL: 330 FNL & 990 FEL (16)		County: Eddy	ST: NM
Sec. 21/16	Blk: 	Survey: 	TWP: 24S RNG: 28E Prop. TVD: 9753 TMD: 19749

INTANGIBLE COSTS 0180		CODE	TCP	CODE	CC
Regulatory Permits & Surveys		0180-0100	\$20,000	0180-0200	
Location / Road / Site / Preparation		0180-0105	\$35,000	0180-0205	\$35,000
Location / Restoration		0180-0106	\$200,000	0180-0206	\$35,000
Daywork / Turnkey / Footage Drilling	28 days drlg / 4 days comp @ \$18000/d	0180-0110	\$538,300	0180-0210	\$76,900
Fuel	1700 gal/day @ \$1.1/gal	0180-0114	\$59,800	0180-0214	\$320,000
Mud, Chemical & Additives		0180-0120	\$170,000	0180-0220	
Horizontal Drillout Services				0180-0222	\$200,000
Cementing		0180-0125	\$80,000	0180-0225	\$30,000
Logging & Wireline Services		0180-0130	\$2,300	0180-0230	\$365,000
Casing / Tubing / Snubbing Service		0180-0134	\$18,000	0180-0234	\$42,000
Mud Logging		0180-0137	\$35,000		
Stimulation	60 Stg 24.8 MM gal / 24.8 MM lb			0180-0241	\$1,505,000
Stimulation Rentals & Other				0180-0242	\$185,000
Water & Other		0180-0145	\$35,000	0180-0245	\$350,000
Bits		0180-0148	\$96,100	0180-0248	\$5,000
Inspection & Repair Services		0180-0150	\$50,000	0180-0250	\$5,000
Misc. Air & Pumping Services		0180-0154		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	\$120,000		
Transportation		0180-0165	\$30,000	0180-0265	\$20,000
Welding Services		0180-0168	\$4,000	0180-0268	\$15,000
Contract Services & Supervision		0180-0170		0180-0270	\$18,000
Directional Services	Includes Vertical Control	0180-0175	\$403,000		
Equipment Rental		0180-0180	\$221,300	0180-0280	\$24,000
Well / Lease Legal		0180-0184	\$5,000	0180-0284	
Well / Lease Insurance		0180-0185	\$5,900	0180-0285	
Intangible Supplies		0180-0188	\$7,000	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	
Company Supervision		0180-0195	\$316,800	0180-0295	\$124,800
Overhead Fixed Rate		0180-0196	\$10,000	0180-0296	\$20,000
Well Abandonment		0180-0198		0180-0298	
Contingencies	2% (TCP) 2% (CC)	0180-0199	\$49,700	0180-0299	\$68,900
TOTAL			\$2,534,200		\$3,514,100

TANGIBLE COSTS 0181		CODE	TCP	CODE	CC
Casing (19.1" - 30")		0181-0793			
Casing (10.1" - 19.0")	425' - 13 3/8" 54.5# J-55 ST&C @ \$32.16/ft	0181-0794	\$14,800		
Casing (8.1" - 10.0")	2475' - 9 5/8" 40# J-55 LT&C @ \$24.48/ft	0181-0795	\$65,400		
Casing (6.1" - 8.0")	10080' - 7" 29# HCP-110 LT&C @ \$21.47/ft	0181-0796	\$233,700		
Casing (4.1" - 6.0")	10690' - 4 1/2" 13.5# P-110 BPN @ \$11.72/ft			0181-0797	\$135,300
Tubing	9180' - 2 7/8" 6.5# L-80 Tbg @ \$4.54/ft			0181-0798	\$45,000
Drilling Head		0181-0860	\$35,000		
Tubing Head & Upper Section				0181-0870	\$30,000
Horizontal Completion Tools	Completion Liner Hanger			0181-0871	\$45,000
Sucker Rods				0181-0875	
Subsurface Equipment	Packer			0181-0880	\$10,000
Artificial Lift Systems	Gas Lift Valves			0181-0884	\$15,000
Pumping Unit				0181-0885	
Surface Pumps & Prime Movers	1/2 VRU/SWD TP			0181-0886	\$55,000
Tanks - Oil	1/2 of 6 - 750 bbl			0181-0890	\$60,000
Tanks - Water	1/2 of 5 - 750 bbl coated			0181-0891	\$50,000
Separation / Treating Equipment	1/2(GB,VRT/Flare) / 30"x10"x1k 3 ph/48"x15"x1k# Hor 3			0181-0895	\$154,000
Heater Treaters, Line Heaters	8'x20'x75# HT			0181-0897	\$27,000
Metering Equipment				0181-0898	\$15,000
Line Pipe & Valves - Gathering	(1/2) 1 mile 6" poly & 1 mile 4-1/2" steel gas line			0181-0900	\$31,000
Fittings / Valves & Accessories				0181-0906	\$150,000
Cathodic Protection	Automation			0181-0908	\$57,500
Electrical Installation				0181-0909	\$75,000
Equipment Installation				0181-0910	\$65,000
Pipeline Construction	(1/2) 1 mile buried 6" poly & 1 mile 4-1/2" steel gas line			0181-0920	\$65,000
TOTAL			\$348,900		\$1,084,800
SUBTOTAL			\$2,883,100		\$4,598,900

TOTAL WELL COST \$7,482,000

Extra Expense Insurance	
<input type="checkbox"/>	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.
<input type="checkbox"/>	I elect to purchase my own well control insurance policy.
If neither box is checked above, non-operating working interest owner elects to be covered by Operator's well control insurance.	
Prepared by: H. Buckley	Date: 5/18/2020
Company Approval: _____	Date: _____
Joint Owner Interest: _____ Amount: _____	Signature: _____
Joint Owner Name: _____	

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

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

Case No. 21382

SELF-AFFIRMED STATEMENT OF
TYLER HILL

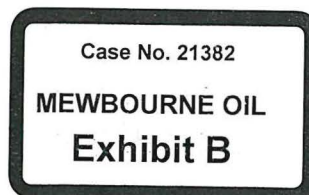
1. I am over 18 years of age and am competent to provide this Self-Affirmed Statement. I have personal knowledge of the matters addressed herein.

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 horizontal activity and structure map of the Wolfcamp formation is attached as Exhibit B-1. The map shows that the structure dips to the East. The map also shows a line of cross section and the HSU for the proposed Creedence 21-16 W1OB Fed Com #1H, Creedence 21-16 W0OB Fed Com #2H, Creedence 21-16 W0PA Fed Com #1H, and Creedence 21-16 W1PA Fed Com #2H wells.

5. Attached as Exhibit B-2 is a south to north cross section. The well logs on the cross section provide a representative sample of the Wolfcamp formation in the area. The target zone for the proposed wells is continuous across the HSU.



6. Attached as Exhibit B-3 is a table containing production data from other Wolfcamp wells drilled in the vicinity. The preference is for standup wells (north to south or south to north), and the completed wells in the area (recent completions) apparently are commercial.

7. Exhibit B-4 includes Well Planning Reports for the proposed wells. The reports contain plots and lateral trajectory schematics of the well bores. The wells' producing intervals will be orthodox.

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

9. 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 wells; and

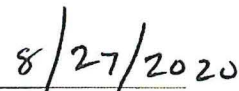
c) Each quarter-quarter section in the HSU will contribute more or less equally to production.

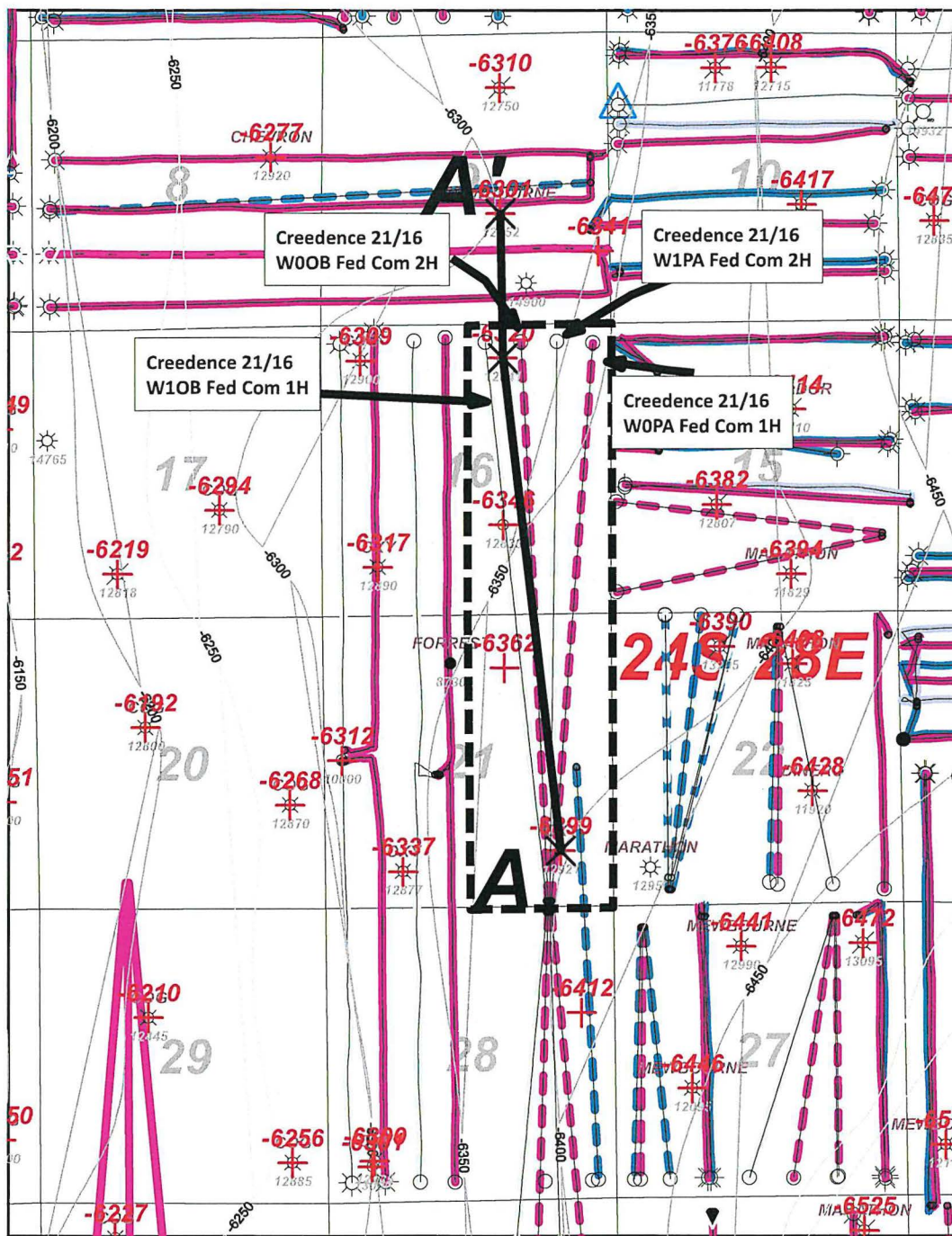
10. In my opinion, the granting of Mewbourne's application will serve the interests of conservation, the protection of correlative rights, and the prevention of waste.

11. Exhibits B-1 through B-4 were either prepared by me or compiled from company records.

12. 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 11 above is true and correct and is made under penalty of perjury under the laws of the State of New Mexico. My testimony is made as of the date handwritten next to my signature below.


Tyler Hill


Date



Case No. 21382
MEWBOURNE OIL
Exhibit B-1



Horizontal Activity

- Wolfcamp Sand
- Wolfcamp A Shale
- Wolfcamp D Shale

1 inch = 3000 feet



MOC Mewbourne Oil Company

*Creedence 21/16 W0PA Fed Com 1H
Creedence 21/16 W1PA Fed Com 2H
Creedence 21/16 W1OB Fed Com 1H
Creedence 21/16 W0OB Fed Com 2H
Structure top WFMP (C.I. 50')*

Author: T. Hill	County: Eddy	Date: 19 August, 2020
	Scale: 1.0"=4000'	

Credence 21/16 W0.1PA/W0.1BO

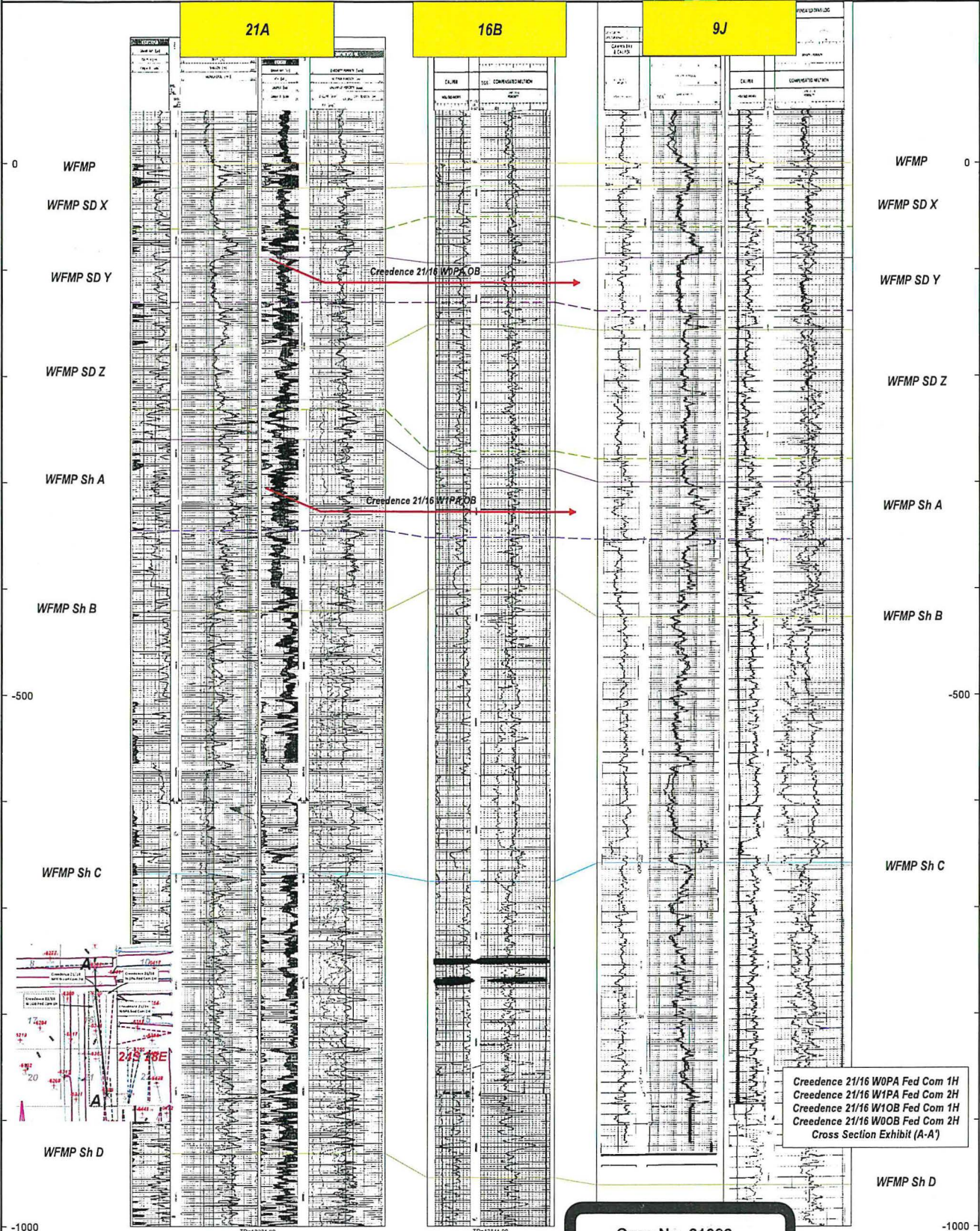
A

A'

300151351100
 OCCIDENTAL PERMIAN LIMITED
 OIL, NEW JERSEY FEDERAL, 1
 NW SE SE
 Datum=2023.00
 Reference=KB
 TWP 24 S - Range 28 E - Sec. 21

300152733200
 HIG OIL COMPANY
 NEW MEXICO 14 STATE 1
 NW NE
 Datum=2023.00
 Reference=KB
 TWP 24 S - Range 28 E - Sec. 16

300152235300
 MEWSBORNE OIL COMPANY
 WOODS 1 COM 1
 1830 FSL/2000 FEL
 Datum=2045.00
 Reference=KB
 TWP 24 S - Range 28 E - Sec. 9



Creedence Area Upper Wolfcamp Production Data Table

Well Name	Operator	API	Location	WFMP Comp Date	Cum Oil (mbo)	Cum Gas (bcf)	Cum Water (mbw)	NS/EW	HZ Target
Mad River 133H	Caza	3001543898	13PM/24S/27E	1/2/2017	269	0.5	985	EW	WFMP Sand
Mad River 13 4H	Caza	3001544042	13IL/24S/27E	4/11/2017	266	0.7	932	EW	WFMP Sand
Quien Sabe 801H	COG	3001546125	24A-25P/24S/27E	2/1/2020	134	0.3	362	NS	WFMP Sand
Quien Sabe 602H	COG	3001546127	24A-25P/24S/27E	2/1/2020	118	0.3	362	NS	WFMP Sand
Quien Sabe 603H	COG	3001546128	24B-25O/24S/27E	2/1/2020	103	0.2	361	NS	WFMP Sand
Creedence 21/16 W0ED 2H	Mewbourne	3001544871	21E-16D/24S/28E	11/15/2019	188	0.4	406	NS	WFMP Sand
Creedence 21/16 W1ED 1H	Mewbourne	3001544887	21E-16D/24S/28E	11/15/2019	185	0.4	415	NS	WFMP A
Kansas 21/28 W1LM 1H	Mewbourne	3001545763	21L-28M/24S/28E	11/15/2019	199	0.5	508	NS	WFMP A
Kansas 21/28 W0LM 2H	Mewbourne	3001546016	21L-28M/24S/28E	11/15/2019	198	0.4	505	NS	WFMP Sand
Rustler Breaks 26/23 W0ML 2H	Mewbourne	3001544660	26M-23L/24S/28E	8/8/2019	227	0.5	606	NS	WFMP Sand
Rock Spur 27 W0CN 2H	Mewbourne	3001544064	27CN/24S/28E	6/28/2017	400	1.1	1240	NS	WFMP Sand
Rock Spur 27 W0AP 2H	Mewbourne	3001544093	27AP/24S/28E	8/28/2019	263	0.7	864	NS	WFMP Sand
Chicken Fry 1H	Marathon	3001542882	22AP/24S/28E	9/24/2017	179	0.5	743	NS	WFMP Sand
Kyle 34 5H	Marathon	3001543295	34PA/24S/28E	11/26/2017	291	0.9	958	NS	WFMP Sand
Kyle 34 3H	Marathon	3001543405	34NC/24S/28E	12/12/2017	254	0.7	1148	NS	WFMP Sand
Salt Draw 10 WCA 3H	Chisholm	3001545775	10BO/25S/28E	7/9/2019	107	0.3	385	NS	WFMP Sand
Rick Deckard WXY 18H	Marathon	3001545091	4PA/25S/28E	2/25/2019	112	0.4	NA	NS	WFMP Sand
Rick Deckard WA 14H	Marathon	3001545092	4PA/25S/28E	2/25/2019	110	0.3	NA	NS	WFMP Sand
Rick Deckard WXY 12H	Marathon	3001545090	4OB/25S/28E	2/25/2019	112	0.3	NA	NS	WFMP Sand
Rick Deckard WA 15H	Marathon	3001545093	4OB/25S/28E	2/25/2019	94	0.3	NA	NS	WFMP Sand
Rick Deckard WA 9H	Marathon	3001545345	4CN/25S/28E	7/13/2019	18	0.1	67	NS	WFMP Sand
Rick Deckard WXY 8H	Marathon	3001545348	4CN/25S/28E	7/13/2019	15	0.1	75.0	NS	WFMP Sand
Rick Deckard WA 2H	Marathon	3001545344	4DM/25S/28E	7/13/2019	15	0.1	55	NS	WFMP Sand
Rick Deckard WXY 6H	Marathon	3001545347	4DM/25S/28E	7/13/2019	23	0.1	98	NS	WFMP Sand
Myox 21 31H	COG	3001544000	21M-16D/25S/28E	10/27/2019	137	0.4	654	NS	WFMP A
Myox 21 32H	COG	3001544002	21M-16D/25S/28E	10/27/2019	121	0.3	702	NS	WFMP Sand
Myox 21 33H	COG	3001544006	21M-16D/25S/28E	10/27/2019	150	0.4	752	NS	WFMP A
Myox 21 34H	COG	3001545376	21N-16C/25S/28E	10/27/2019	136	0.4	681	NS	WFMP Sand
Myox 21 35H	COG	3001545373	21N-16C/25S/28E	10/27/2019	138	0.4	758	NS	WFMP A
Myox 31 601H	COG	3001545948	31A-6P/26S/28E	12/28/2019	103	0.3	397	NS	WFMP Sand
Myox 31 602H	COG	3001545949	31A-6P/26S/28E	12/28/2019	117	0.4	381	NS	WFMP Sand
Myox 31 603H	COG	3001545950	31B-6O/26S/28E	12/28/2019	123	0.4	400	NS	WFMP Sand

Case No. 21382

MEWBOURNE OIL
Exhibit B-3

Mewbourne Oil Company

Eddy County, New Mexico NAD 83
Creedence 21/16 W00B Fed Com #2H
Sec 21, T24S, R28E
SHL: 100' FSL & 1205' FEL, Sec 21
BHL: 330' FNL & 1650' FEL, Sec 16

Plan: Design #1

Standard Planning Report

30 March, 2020

Case No. 21382

MEWBOURNE OIL
Exhibit B-4

Planning Report

Database: Hobbs
Company: Mewbourne Oil Company
Project: Eddy County, New Mexico NAD 83
Site: Creedence 21/16 W00B Fed Com #2H
Well: Sec 21, T24S, R28E
Wellbore: BHL: 330' FNL & 1650' FEL, Sec 16
Design: Design #1

Local Co-ordinate Reference: Site Creedence 21/16 W00B Fed Com #2H
TVD Reference: WELL @ 3033.0usft (Original Well Elev)
MD Reference: WELL @ 3033.0usft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

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

Site	Creedence 21/16 W00B Fed Com #2H			
Site Position:		Northing:	435,223.00 usft	Latitude: 32.1962673
From:	Map	Easting:	617,229.00 usft	Longitude: -104.0879889
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence: 0.13 °

Well	Sec 21, T24S, R28E			
Well Position	+N/-S	0.0 usft	Northing:	435,223.00 usft
	+E/-W	0.0 usft	Easting:	617,229.00 usft
Position Uncertainty	0.0 usft		Wellhead Elevation:	3,033.0 usft
			Ground Level:	3,005.0 usft

Wellbore	BHL: 330' FNL & 1650' FEL, Sec 16				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	12/31/2014	7.38	59.99	48,167

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	357.41

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	
400.0	0.00	0.00	400.0	0.0	0.0	0.00	0.00	0.00	0.00	
604.9	3.07	257.92	604.8	-1.1	-5.4	1.50	1.50	0.00	257.92	
8,868.2	3.07	257.92	8,856.2	-93.9	-438.6	0.00	0.00	0.00	0.00	
9,073.1	0.00	0.00	9,061.0	-95.0	-444.0	1.50	-1.50	0.00	180.00	KOP: 10' FSL & 1650'
9,825.5	90.38	359.89	9,538.0	385.2	-444.9	12.01	12.01	0.00	-0.11	
19,694.6	90.38	359.89	9,473.0	10,254.0	-464.0	0.00	0.00	0.00	0.00	BHL: 330' FNL & 1650'

Planning Report

Database: Hobbs
 Company: Mewbourne Oil Company
 Project: Eddy County, New Mexico NAD 83
 Site: Creedence 21/16 W00B Fed Com #2H
 Well: Sec 21, T24S, R28E
 Wellbore: BHL: 330' FNL & 1650' FEL, Sec 16
 Design: Design #1

Local Co-ordinate Reference: Site Creedence 21/16 W00B Fed Com #2H
 TVD Reference: WELL @ 3033.0usft (Original Well Elev)
 MD Reference: WELL @ 3033.0usft (Original Well Elev)
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
SHL: 100' FSL & 1205' FEL (Sec 21)									
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	1.50	257.92	500.0	-0.3	-1.3	-0.2	1.50	1.50	0.00
600.0	3.00	257.92	599.9	-1.1	-5.1	-0.9	1.50	1.50	0.00
604.9	3.07	257.92	604.8	-1.1	-5.4	-0.9	1.50	1.50	0.00
700.0	3.07	257.92	699.8	-2.2	-10.4	-1.7	0.00	0.00	0.00
800.0	3.07	257.92	799.6	-3.3	-15.6	-2.6	0.00	0.00	0.00
900.0	3.07	257.92	899.5	-4.5	-20.8	-3.5	0.00	0.00	0.00
1,000.0	3.07	257.92	999.3	-5.6	-26.1	-4.4	0.00	0.00	0.00
1,100.0	3.07	257.92	1,099.2	-6.7	-31.3	-5.3	0.00	0.00	0.00
1,200.0	3.07	257.92	1,199.0	-7.8	-36.6	-6.2	0.00	0.00	0.00
1,300.0	3.07	257.92	1,298.9	-8.9	-41.8	-7.0	0.00	0.00	0.00
1,400.0	3.07	257.92	1,398.8	-10.1	-47.1	-7.9	0.00	0.00	0.00
1,500.0	3.07	257.92	1,498.6	-11.2	-52.3	-8.8	0.00	0.00	0.00
1,600.0	3.07	257.92	1,598.5	-12.3	-57.5	-9.7	0.00	0.00	0.00
1,700.0	3.07	257.92	1,698.3	-13.4	-62.8	-10.6	0.00	0.00	0.00
1,800.0	3.07	257.92	1,798.2	-14.6	-68.0	-11.5	0.00	0.00	0.00
1,900.0	3.07	257.92	1,898.0	-15.7	-73.3	-12.4	0.00	0.00	0.00
2,000.0	3.07	257.92	1,997.9	-16.8	-78.5	-13.2	0.00	0.00	0.00
2,100.0	3.07	257.92	2,097.8	-17.9	-83.8	-14.1	0.00	0.00	0.00
2,200.0	3.07	257.92	2,197.6	-19.0	-89.0	-15.0	0.00	0.00	0.00
2,300.0	3.07	257.92	2,297.5	-20.2	-94.2	-15.9	0.00	0.00	0.00
2,400.0	3.07	257.92	2,397.3	-21.3	-99.5	-16.8	0.00	0.00	0.00
2,500.0	3.07	257.92	2,497.2	-22.4	-104.7	-17.7	0.00	0.00	0.00
2,600.0	3.07	257.92	2,597.0	-23.5	-110.0	-18.5	0.00	0.00	0.00
2,700.0	3.07	257.92	2,696.9	-24.7	-115.2	-19.4	0.00	0.00	0.00
2,800.0	3.07	257.92	2,796.7	-25.8	-120.5	-20.3	0.00	0.00	0.00
2,900.0	3.07	257.92	2,896.6	-26.9	-125.7	-21.2	0.00	0.00	0.00
3,000.0	3.07	257.92	2,996.5	-28.0	-131.0	-22.1	0.00	0.00	0.00
3,100.0	3.07	257.92	3,096.3	-29.1	-136.2	-23.0	0.00	0.00	0.00
3,200.0	3.07	257.92	3,196.2	-30.3	-141.4	-23.8	0.00	0.00	0.00
3,300.0	3.07	257.92	3,296.0	-31.4	-146.7	-24.7	0.00	0.00	0.00
3,400.0	3.07	257.92	3,395.9	-32.5	-151.9	-25.6	0.00	0.00	0.00
3,500.0	3.07	257.92	3,495.7	-33.6	-157.2	-26.5	0.00	0.00	0.00
3,600.0	3.07	257.92	3,595.6	-34.7	-162.4	-27.4	0.00	0.00	0.00
3,700.0	3.07	257.92	3,695.4	-35.9	-167.7	-28.3	0.00	0.00	0.00
3,800.0	3.07	257.92	3,795.3	-37.0	-172.9	-29.1	0.00	0.00	0.00
3,900.0	3.07	257.92	3,895.2	-38.1	-178.1	-30.0	0.00	0.00	0.00
4,000.0	3.07	257.92	3,995.0	-39.2	-183.4	-30.9	0.00	0.00	0.00
4,100.0	3.07	257.92	4,094.9	-40.4	-188.6	-31.8	0.00	0.00	0.00
4,200.0	3.07	257.92	4,194.7	-41.5	-193.9	-32.7	0.00	0.00	0.00
4,300.0	3.07	257.92	4,294.6	-42.6	-199.1	-33.6	0.00	0.00	0.00
4,400.0	3.07	257.92	4,394.4	-43.7	-204.4	-34.4	0.00	0.00	0.00
4,500.0	3.07	257.92	4,494.3	-44.8	-209.6	-35.3	0.00	0.00	0.00
4,600.0	3.07	257.92	4,594.2	-46.0	-214.8	-36.2	0.00	0.00	0.00
4,700.0	3.07	257.92	4,694.0	-47.1	-220.1	-37.1	0.00	0.00	0.00
4,800.0	3.07	257.92	4,793.9	-48.2	-225.3	-38.0	0.00	0.00	0.00
4,900.0	3.07	257.92	4,893.7	-49.3	-230.6	-38.9	0.00	0.00	0.00
5,000.0	3.07	257.92	4,993.6	-50.5	-235.8	-39.7	0.00	0.00	0.00
5,100.0	3.07	257.92	5,093.4	-51.6	-241.1	-40.6	0.00	0.00	0.00

Planning Report

Database: Hobbs
Company: Mewbourne Oil Company
Project: Eddy County, New Mexico NAD 83
Site: Creedence 21/16 W00B Fed Com #2H
Well: Sec 21, T24S, R28E
Wellbore: BHL: 330' FNL & 1650' FEL, Sec 16
Design: Design #1

Local Co-ordinate Reference: Site Creedence 21/16 W00B Fed Com #2H
TVD Reference: WELL @ 3033.0usft (Original Well Elev)
MD Reference: WELL @ 3033.0usft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,200.0	3.07	257.92	5,193.3	-52.7	-246.3	-41.5	0.00	0.00	0.00
5,300.0	3.07	257.92	5,293.1	-53.8	-251.5	-42.4	0.00	0.00	0.00
5,400.0	3.07	257.92	5,393.0	-54.9	-256.8	-43.3	0.00	0.00	0.00
5,500.0	3.07	257.92	5,492.9	-56.1	-262.0	-44.2	0.00	0.00	0.00
5,600.0	3.07	257.92	5,592.7	-57.2	-267.3	-45.0	0.00	0.00	0.00
5,700.0	3.07	257.92	5,692.6	-58.3	-272.5	-45.9	0.00	0.00	0.00
5,800.0	3.07	257.92	5,792.4	-59.4	-277.8	-46.8	0.00	0.00	0.00
5,900.0	3.07	257.92	5,892.3	-60.6	-283.0	-47.7	0.00	0.00	0.00
6,000.0	3.07	257.92	5,992.1	-61.7	-288.2	-48.6	0.00	0.00	0.00
6,100.0	3.07	257.92	6,092.0	-62.8	-293.5	-49.5	0.00	0.00	0.00
6,200.0	3.07	257.92	6,191.9	-63.9	-298.7	-50.3	0.00	0.00	0.00
6,300.0	3.07	257.92	6,291.7	-65.0	-304.0	-51.2	0.00	0.00	0.00
6,400.0	3.07	257.92	6,391.6	-66.2	-309.2	-52.1	0.00	0.00	0.00
6,500.0	3.07	257.92	6,491.4	-67.3	-314.5	-53.0	0.00	0.00	0.00
6,600.0	3.07	257.92	6,591.3	-68.4	-319.7	-53.9	0.00	0.00	0.00
6,700.0	3.07	257.92	6,691.1	-69.5	-324.9	-54.8	0.00	0.00	0.00
6,800.0	3.07	257.92	6,791.0	-70.6	-330.2	-55.7	0.00	0.00	0.00
6,900.0	3.07	257.92	6,890.8	-71.8	-335.4	-56.5	0.00	0.00	0.00
7,000.0	3.07	257.92	6,990.7	-72.9	-340.7	-57.4	0.00	0.00	0.00
7,100.0	3.07	257.92	7,090.6	-74.0	-345.9	-58.3	0.00	0.00	0.00
7,200.0	3.07	257.92	7,190.4	-75.1	-351.2	-59.2	0.00	0.00	0.00
7,300.0	3.07	257.92	7,290.3	-76.3	-356.4	-60.1	0.00	0.00	0.00
7,400.0	3.07	257.92	7,390.1	-77.4	-361.6	-61.0	0.00	0.00	0.00
7,500.0	3.07	257.92	7,490.0	-78.5	-366.9	-61.8	0.00	0.00	0.00
7,600.0	3.07	257.92	7,589.8	-79.6	-372.1	-62.7	0.00	0.00	0.00
7,700.0	3.07	257.92	7,689.7	-80.7	-377.4	-63.6	0.00	0.00	0.00
7,800.0	3.07	257.92	7,789.6	-81.9	-382.6	-64.5	0.00	0.00	0.00
7,900.0	3.07	257.92	7,889.4	-83.0	-387.9	-65.4	0.00	0.00	0.00
8,000.0	3.07	257.92	7,989.3	-84.1	-393.1	-66.3	0.00	0.00	0.00
8,100.0	3.07	257.92	8,089.1	-85.2	-398.4	-67.1	0.00	0.00	0.00
8,200.0	3.07	257.92	8,189.0	-86.4	-403.6	-68.0	0.00	0.00	0.00
8,300.0	3.07	257.92	8,288.8	-87.5	-408.8	-68.9	0.00	0.00	0.00
8,400.0	3.07	257.92	8,388.7	-88.6	-414.1	-69.8	0.00	0.00	0.00
8,500.0	3.07	257.92	8,488.5	-89.7	-419.3	-70.7	0.00	0.00	0.00
8,600.0	3.07	257.92	8,588.4	-90.8	-424.6	-71.6	0.00	0.00	0.00
8,700.0	3.07	257.92	8,688.3	-92.0	-429.8	-72.4	0.00	0.00	0.00
8,800.0	3.07	257.92	8,788.1	-93.1	-435.1	-73.3	0.00	0.00	0.00
8,868.2	3.07	257.92	8,856.2	-93.9	-438.6	-73.9	0.00	0.00	0.00
8,900.0	2.60	257.92	8,888.0	-94.2	-440.2	-74.2	1.50	-1.50	0.00
9,000.0	1.10	257.92	8,987.9	-94.9	-443.3	-74.7	1.50	-1.50	0.00
9,073.1	0.00	0.00	9,061.0	-95.0	-444.0	-74.8	1.50	-1.50	0.00
KOP: 10' FSL & 1650' FEL (Sec 21)									
9,100.0	3.23	359.89	9,087.9	-94.2	-444.0	-74.1	12.01	12.01	0.00
9,200.0	15.24	359.89	9,186.4	-78.2	-444.0	-58.1	12.01	12.01	0.00
9,300.0	27.26	359.89	9,279.5	-42.0	-444.1	-21.9	12.01	12.01	0.00
9,400.0	39.27	359.89	9,362.9	12.7	-444.2	32.8	12.01	12.01	0.00
9,500.0	51.28	359.89	9,433.2	83.6	-444.3	103.6	12.01	12.01	0.00
9,600.0	63.29	359.89	9,487.1	167.6	-444.5	187.5	12.01	12.01	0.00
9,661.3	70.66	359.89	9,511.1	224.0	-444.6	243.9	12.01	12.01	0.00
FTP: 300' FSL & 1650' FEL (Sec 21)									
9,700.0	75.30	359.89	9,522.4	261.0	-444.7	280.8	12.01	12.01	0.00
9,800.0	87.31	359.89	9,537.5	359.6	-444.9	379.4	12.01	12.01	0.00
9,825.6	90.38	359.89	9,538.0	385.2	-444.9	404.9	11.99	11.99	0.00

Planning Report

Database: Hobbs
Company: Mewbourne Oil Company
Project: Eddy County, New Mexico NAD 83
Site: Creedence 21/16 W00B Fed Com #2H
Well: Sec 21, T24S, R28E
Wellbore: BHL: 330' FNL & 1650' FEL, Sec 16
Design: Design #1

Local Co-ordinate Reference: Site Creedence 21/16 W00B Fed Com #2H
TVD Reference: WELL @ 3033.0usft (Original Well Elev)
MD Reference: WELL @ 3033.0usft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
LP: 485' FSL & 1650' FEL (Sec 21)									
9,900.0	90.38	359.89	9,537.5	459.6	-445.1	479.3	0.00	0.00	0.00
10,000.0	90.38	359.89	9,536.9	559.6	-445.3	579.2	0.00	0.00	0.00
10,100.0	90.38	359.89	9,536.2	659.6	-445.5	679.1	0.00	0.00	0.00
10,200.0	90.38	359.89	9,535.5	759.6	-445.7	779.0	0.00	0.00	0.00
10,300.0	90.38	359.89	9,534.9	859.6	-445.8	878.9	0.00	0.00	0.00
10,400.0	90.38	359.89	9,534.2	959.6	-446.0	978.8	0.00	0.00	0.00
10,500.0	90.38	359.89	9,533.6	1,059.6	-446.2	1,078.7	0.00	0.00	0.00
10,600.0	90.38	359.89	9,532.9	1,159.6	-446.4	1,178.6	0.00	0.00	0.00
10,700.0	90.38	359.89	9,532.2	1,259.6	-446.6	1,278.5	0.00	0.00	0.00
10,800.0	90.38	359.89	9,531.6	1,359.6	-446.8	1,378.4	0.00	0.00	0.00
10,900.0	90.38	359.89	9,530.9	1,459.6	-447.0	1,478.3	0.00	0.00	0.00
11,000.0	90.38	359.89	9,530.3	1,559.6	-447.2	1,578.2	0.00	0.00	0.00
11,100.0	90.38	359.89	9,529.6	1,659.6	-447.4	1,678.1	0.00	0.00	0.00
11,200.0	90.38	359.89	9,528.9	1,759.6	-447.6	1,778.0	0.00	0.00	0.00
11,300.0	90.38	359.89	9,528.3	1,859.6	-447.8	1,877.9	0.00	0.00	0.00
11,400.0	90.38	359.89	9,527.6	1,959.6	-448.0	1,977.9	0.00	0.00	0.00
11,500.0	90.38	359.89	9,527.0	2,059.6	-448.2	2,077.8	0.00	0.00	0.00
11,600.0	90.38	359.89	9,526.3	2,159.6	-448.4	2,177.7	0.00	0.00	0.00
11,700.0	90.38	359.89	9,525.7	2,259.6	-448.6	2,277.6	0.00	0.00	0.00
11,800.0	90.38	359.89	9,525.0	2,359.6	-448.7	2,377.5	0.00	0.00	0.00
11,900.0	90.38	359.89	9,524.3	2,459.6	-448.9	2,477.4	0.00	0.00	0.00
12,000.0	90.38	359.89	9,523.7	2,559.6	-449.1	2,577.3	0.00	0.00	0.00
12,018.4	90.38	359.89	9,523.6	2,578.0	-449.2	2,595.7	0.00	0.00	0.00
PPP2: 2668' FNL & 1650' FEL (Sec 21)									
12,100.0	90.38	359.89	9,523.0	2,659.6	-449.3	2,677.2	0.00	0.00	0.00
12,200.0	90.38	359.89	9,522.4	2,759.6	-449.5	2,777.1	0.00	0.00	0.00
12,300.0	90.38	359.89	9,521.7	2,859.6	-449.7	2,877.0	0.00	0.00	0.00
12,400.0	90.38	359.89	9,521.0	2,959.6	-449.9	2,976.9	0.00	0.00	0.00
12,500.0	90.38	359.89	9,520.4	3,059.6	-450.1	3,076.8	0.00	0.00	0.00
12,600.0	90.38	359.89	9,519.7	3,159.6	-450.3	3,176.7	0.00	0.00	0.00
12,700.0	90.38	359.89	9,519.1	3,259.6	-450.5	3,276.6	0.00	0.00	0.00
12,800.0	90.38	359.89	9,518.4	3,359.6	-450.7	3,376.5	0.00	0.00	0.00
12,900.0	90.38	359.89	9,517.8	3,459.6	-450.9	3,476.4	0.00	0.00	0.00
13,000.0	90.38	359.89	9,517.1	3,559.6	-451.1	3,576.3	0.00	0.00	0.00
13,100.0	90.38	359.89	9,516.4	3,659.6	-451.3	3,676.2	0.00	0.00	0.00
13,200.0	90.38	359.89	9,515.8	3,759.6	-451.4	3,776.1	0.00	0.00	0.00
13,300.0	90.38	359.89	9,515.1	3,859.6	-451.6	3,876.0	0.00	0.00	0.00
13,400.0	90.38	359.89	9,514.5	3,959.6	-451.8	3,975.9	0.00	0.00	0.00
13,500.0	90.38	359.89	9,513.8	4,059.6	-452.0	4,075.8	0.00	0.00	0.00
13,600.0	90.38	359.89	9,513.1	4,159.6	-452.2	4,175.7	0.00	0.00	0.00
13,700.0	90.38	359.89	9,512.5	4,259.5	-452.4	4,275.6	0.00	0.00	0.00
13,800.0	90.38	359.89	9,511.8	4,359.5	-452.6	4,375.5	0.00	0.00	0.00
13,900.0	90.38	359.89	9,511.2	4,459.5	-452.8	4,475.5	0.00	0.00	0.00
14,000.0	90.38	359.89	9,510.5	4,559.5	-453.0	4,575.4	0.00	0.00	0.00
14,100.0	90.38	359.89	9,509.8	4,659.5	-453.2	4,675.3	0.00	0.00	0.00
14,200.0	90.38	359.89	9,509.2	4,759.5	-453.4	4,775.2	0.00	0.00	0.00
14,300.0	90.38	359.89	9,508.5	4,859.5	-453.6	4,875.1	0.00	0.00	0.00
14,400.0	90.38	359.89	9,507.9	4,959.5	-453.8	4,975.0	0.00	0.00	0.00
14,500.0	90.38	359.89	9,507.2	5,059.5	-454.0	5,074.9	0.00	0.00	0.00
14,600.0	90.38	359.89	9,506.6	5,159.5	-454.2	5,174.8	0.00	0.00	0.00
14,700.0	90.38	359.89	9,505.9	5,259.5	-454.3	5,274.7	0.00	0.00	0.00
14,800.0	90.38	359.89	9,505.2	5,359.5	-454.5	5,374.6	0.00	0.00	0.00

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Creedence 21/16 W00B Fed Com #2H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3033.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3033.0usft (Original Well Elev)
Site:	Creedence 21/16 W00B Fed Com #2H	North Reference:	Grid
Well:	Sec 21, T24S, R28E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 330' FNL & 1650' FEL, Sec 16		
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)
14,900.0	90.38	359.89	9,504.6	5,459.5	-454.7	5,474.5	0.00	0.00	0.00
15,000.0	90.38	359.89	9,503.9	5,559.5	-454.9	5,574.4	0.00	0.00	0.00
15,100.0	90.38	359.89	9,503.3	5,659.5	-455.1	5,674.3	0.00	0.00	0.00
15,200.0	90.38	359.89	9,502.6	5,759.5	-455.3	5,774.2	0.00	0.00	0.00
15,300.0	90.38	359.89	9,501.9	5,859.5	-455.5	5,874.1	0.00	0.00	0.00
15,400.0	90.38	359.89	9,501.3	5,959.5	-455.7	5,974.0	0.00	0.00	0.00
15,500.0	90.38	359.89	9,500.6	6,059.5	-455.9	6,073.9	0.00	0.00	0.00
15,600.0	90.38	359.89	9,500.0	6,159.5	-456.1	6,173.8	0.00	0.00	0.00
15,700.0	90.38	359.89	9,499.3	6,259.5	-456.3	6,273.7	0.00	0.00	0.00
15,800.0	90.38	359.89	9,498.7	6,359.5	-456.5	6,373.6	0.00	0.00	0.00
15,900.0	90.38	359.89	9,498.0	6,459.5	-456.7	6,473.5	0.00	0.00	0.00
16,000.0	90.38	359.89	9,497.3	6,559.5	-456.9	6,573.4	0.00	0.00	0.00
16,100.0	90.38	359.89	9,496.7	6,659.5	-457.1	6,673.3	0.00	0.00	0.00
16,200.0	90.38	359.89	9,496.0	6,759.5	-457.2	6,773.2	0.00	0.00	0.00
16,300.0	90.38	359.89	9,495.4	6,859.5	-457.4	6,873.2	0.00	0.00	0.00
16,400.0	90.38	359.89	9,494.7	6,959.5	-457.6	6,973.1	0.00	0.00	0.00
16,500.0	90.38	359.89	9,494.0	7,059.5	-457.8	7,073.0	0.00	0.00	0.00
16,600.0	90.38	359.89	9,493.4	7,159.5	-458.0	7,172.9	0.00	0.00	0.00
16,700.0	90.38	359.89	9,492.7	7,259.5	-458.2	7,272.8	0.00	0.00	0.00
16,800.0	90.38	359.89	9,492.1	7,359.5	-458.4	7,372.7	0.00	0.00	0.00
16,900.0	90.38	359.89	9,491.4	7,459.5	-458.6	7,472.6	0.00	0.00	0.00
17,000.0	90.38	359.89	9,490.7	7,559.5	-458.8	7,572.5	0.00	0.00	0.00
17,100.0	90.38	359.89	9,490.1	7,659.5	-459.0	7,672.4	0.00	0.00	0.00
17,200.0	90.38	359.89	9,489.4	7,759.5	-459.2	7,772.3	0.00	0.00	0.00
17,300.0	90.38	359.89	9,488.8	7,859.5	-459.4	7,872.2	0.00	0.00	0.00
17,400.0	90.38	359.89	9,488.1	7,959.5	-459.6	7,972.1	0.00	0.00	0.00
17,500.0	90.38	359.89	9,487.5	8,059.5	-459.8	8,072.0	0.00	0.00	0.00
17,600.0	90.38	359.89	9,486.8	8,159.5	-460.0	8,171.9	0.00	0.00	0.00
17,700.0	90.38	359.89	9,486.1	8,259.5	-460.1	8,271.8	0.00	0.00	0.00
17,800.0	90.38	359.89	9,485.5	8,359.5	-460.3	8,371.7	0.00	0.00	0.00
17,900.0	90.38	359.89	9,484.8	8,459.4	-460.5	8,471.6	0.00	0.00	0.00
18,000.0	90.38	359.89	9,484.2	8,559.4	-460.7	8,571.5	0.00	0.00	0.00
18,100.0	90.38	359.89	9,483.5	8,659.4	-460.9	8,671.4	0.00	0.00	0.00
18,200.0	90.38	359.89	9,482.8	8,759.4	-461.1	8,771.3	0.00	0.00	0.00
18,300.0	90.38	359.89	9,482.2	8,859.4	-461.3	8,871.2	0.00	0.00	0.00
18,400.0	90.38	359.89	9,481.5	8,959.4	-461.5	8,971.1	0.00	0.00	0.00
18,500.0	90.38	359.89	9,480.9	9,059.4	-461.7	9,071.0	0.00	0.00	0.00
18,600.0	90.38	359.89	9,480.2	9,159.4	-461.9	9,170.9	0.00	0.00	0.00
18,700.0	90.38	359.89	9,479.6	9,259.4	-462.1	9,270.9	0.00	0.00	0.00
18,800.0	90.38	359.89	9,478.9	9,359.4	-462.3	9,370.8	0.00	0.00	0.00
18,900.0	90.38	359.89	9,478.2	9,459.4	-462.5	9,470.7	0.00	0.00	0.00
19,000.0	90.38	359.89	9,477.6	9,559.4	-462.7	9,570.6	0.00	0.00	0.00
19,100.0	90.38	359.89	9,476.9	9,659.4	-462.9	9,670.5	0.00	0.00	0.00
19,200.0	90.38	359.89	9,476.3	9,759.4	-463.0	9,770.4	0.00	0.00	0.00
19,300.0	90.38	359.89	9,475.6	9,859.4	-463.2	9,870.3	0.00	0.00	0.00
19,400.0	90.38	359.89	9,474.9	9,959.4	-463.4	9,970.2	0.00	0.00	0.00
19,500.0	90.38	359.89	9,474.3	10,059.4	-463.6	10,070.1	0.00	0.00	0.00
19,600.0	90.38	359.89	9,473.6	10,159.4	-463.8	10,170.0	0.00	0.00	0.00
19,694.6	90.38	359.89	9,473.0	10,254.0	-464.0	10,264.5	0.00	0.00	0.00

BHL: 330' FNL & 1650' FEL (Sec 16)

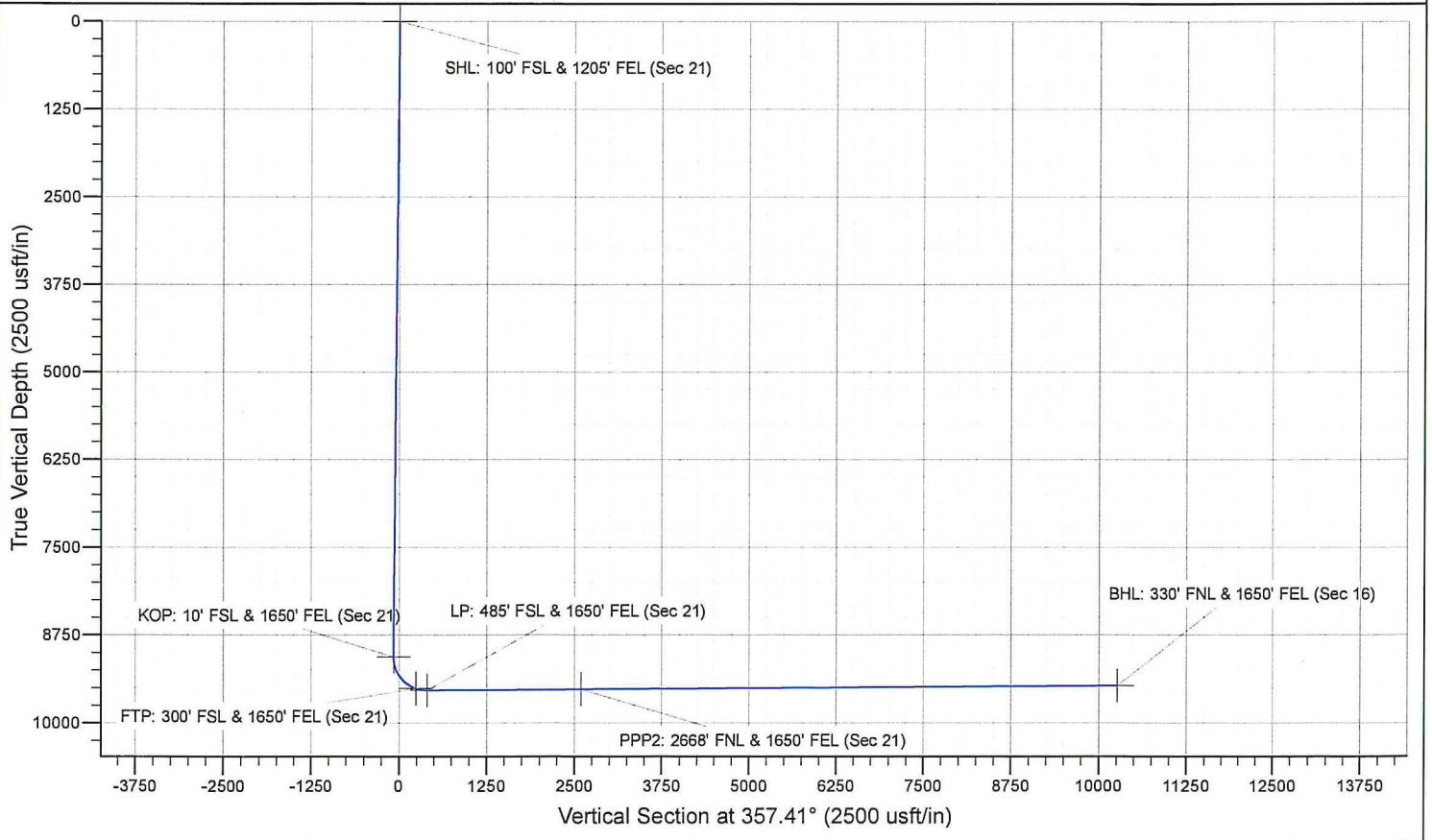
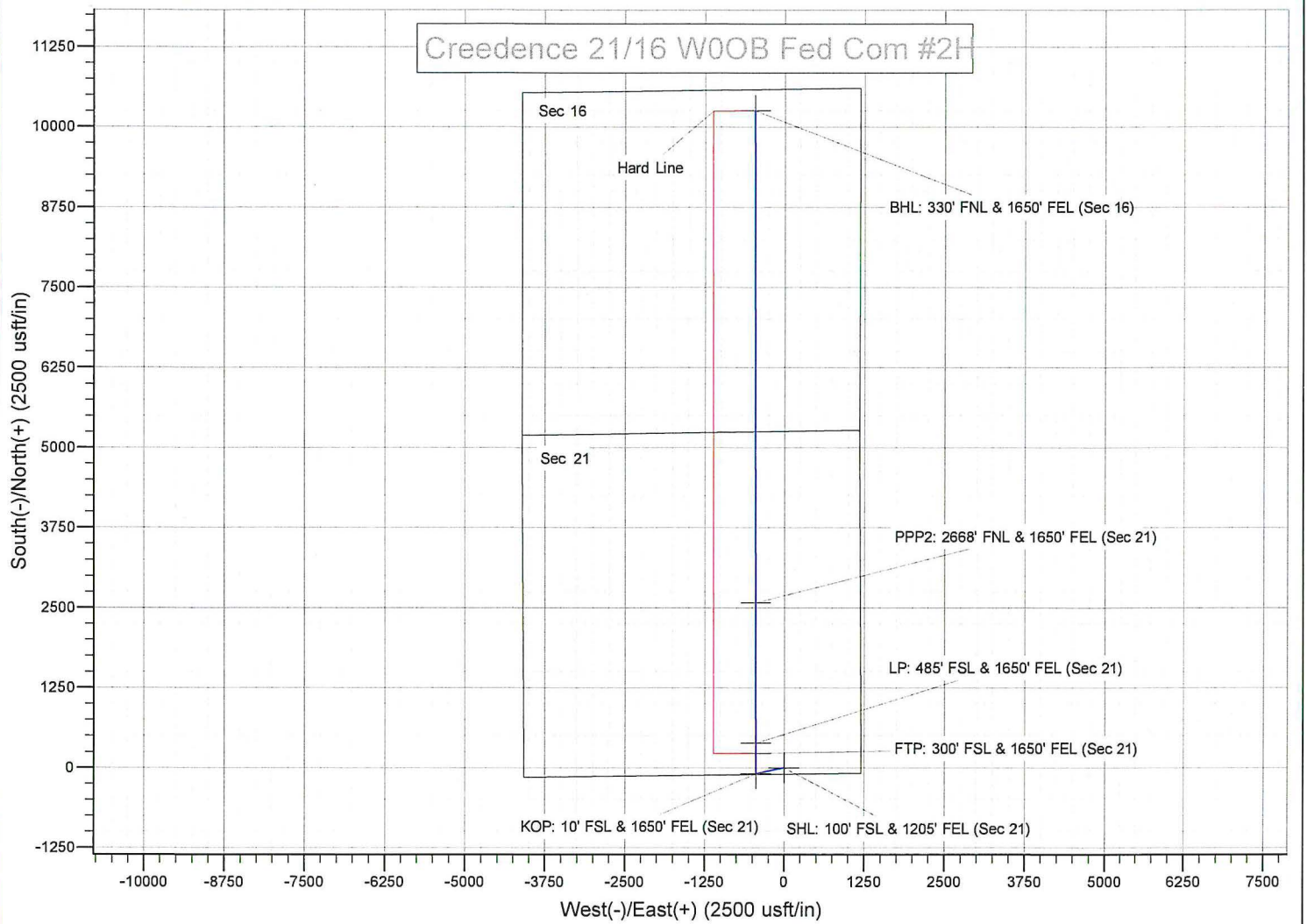
Planning Report

Database: Hobbs
Company: Mewbourne Oil Company
Project: Eddy County, New Mexico NAD 83
Site: Creedence 21/16 W00B Fed Com #2H
Well: Sec 21, T24S, R28E
Wellbore: BHL: 330' FNL & 1650' FEL, Sec 16
Design: Design #1

Local Co-ordinate Reference: Site Creedence 21/16 W00B Fed Com #2H
TVD Reference: WELL @ 3033.0usft (Original Well Elev)
MD Reference: WELL @ 3033.0usft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Design Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
SHL: 100' FSL & 1205' F - plan hits target center - Point	0.00	0.00	0.0	0.0	0.0	435,223.00	617,229.00	32.1962673	-104.0879889
KOP: 10' FSL & 1650' FI - plan hits target center - Point	0.00	0.00	9,061.0	-95.0	-444.0	435,128.00	616,785.00	32.1960090	-104.0894249
BHL: 330' FNL & 1650' F - plan hits target center - Point	0.00	0.00	9,473.0	10,254.0	-464.0	445,477.00	616,765.00	32.2244573	-104.0894137
FTP: 300' FSL & 1650' F - plan hits target center - Point	0.00	0.00	9,511.1	224.0	-444.6	435,447.00	616,784.39	32.1968859	-104.0894246
PPP2: 2668' FNL & 1650' F - plan hits target center - Point	0.00	0.00	9,523.6	2,578.0	-449.2	437,801.00	616,779.84	32.2033568	-104.0894220
LP: 485' FSL & 1650' FE - plan hits target center - Point	0.00	0.00	9,538.0	385.2	-444.9	435,608.20	616,784.10	32.1973290	-104.0894243

Creedence 21/16 W00B Fed Com #21



Mewbourne Oil Company

Eddy County, New Mexico NAD 83

Creedence 21/16 W0PA Fed Com #1H

Sec 21, T24S, R28E

SHL: 100' FSL & 1145' FEL, Sec 21

BHL: 330' FNL & 330' FEL, Sec 16

Plan: Design #1

Standard Planning Report

27 March, 2020

Planning Report

Database: Hobbs
Company: Mewbourne Oil Company
Project: Eddy County, New Mexico NAD 83
Site: Creedence 21/16 W0PA Fed Com #1H
Well: Sec 21, T24S, R28E
Wellbore: BHL: 330' FNL & 330' FEL, Sec 16
Design: Design #1

Local Co-ordinate Reference: Site Creedence 21/16 W0PA Fed Com #1H
TVD Reference: WELL @ 3032.0usft (Original Well Elev)
MD Reference: WELL @ 3032.0usft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Project Eddy County, New Mexico NAD 83
Map System: US State Plane 1983 **System Datum:** Ground Level
Geo Datum: North American Datum 1983
Map Zone: New Mexico Eastern Zone

Site Creedence 21/16 W0PA Fed Com #1H
Site Position: **Map** **Northing:** 435,223.00 usft **Latitude:** 32.1962670
From: **Easting:** 617,289.00 usft **Longitude:** -104.0877949
Position Uncertainty: 0.0 usft **Slot Radius:** 13-3/16 " **Grid Convergence:** 0.13 °

Well Sec 21, T24S, R28E
Well Position **+N/-S** 0.0 usft **Northing:** 435,223.00 usft **Latitude:** 32.1962670
+E/-W 0.0 usft **Easting:** 617,289.00 usft **Longitude:** -104.0877949
Position Uncertainty 0.0 usft **Wellhead Elevation:** 3,032.0 usft **Ground Level:** 3,004.0 usft

Wellbore BHL: 330' FNL & 330' FEL, Sec 16
Magnetics **Model Name** **Sample Date** **Declination** **Dip Angle** **Field Strength**
 (°) (°) (nT)
 IGRF2010 12/31/2014 7.38 59.99 48,167

Design Design #1
Audit Notes:
Version: **Phase:** PROTOTYPE **Tie On Depth:** 0.0
Vertical Section: **Depth From (TVD)** **+N/-S** **+E/-W** **Direction**
 (usft) (usft) (usft) (°)
 0.0 0.0 0.0 4.43

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	
400.0	0.00	0.00	400.0	0.0	0.0	0.00	0.00	0.00	0.00	
774.9	5.62	95.54	774.3	-1.8	18.3	1.50	1.50	0.00	95.54	
8,744.6	5.62	95.54	8,705.7	-77.2	795.7	0.00	0.00	0.00	0.00	
9,119.6	0.00	0.00	9,080.0	-79.0	814.0	1.50	-1.50	0.00	180.00	KOP: 10' FSL & 330' I
9,872.0	90.38	359.90	9,557.0	401.2	813.2	12.01	12.01	0.00	-0.10	
19,743.1	90.38	359.90	9,492.0	10,272.0	796.0	0.00	0.00	0.00	0.00	BHL: 330' FNL & 330'

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Creedence 21/16 W0PA Fed Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3032.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3032.0usft (Original Well Elev)
Site:	Creedence 21/16 W0PA Fed Com #1H	North Reference:	Grid
Well:	Sec 21, T24S, R28E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 330' FNL & 330' FEL, Sec 16		
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: 100' FSL & 1145' FEL (Sec 21)									
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	1.50	95.54	500.0	-0.1	1.3	0.0	1.50	1.50	0.00
600.0	3.00	95.54	599.9	-0.5	5.2	-0.1	1.50	1.50	0.00
700.0	4.50	95.54	699.7	-1.1	11.7	-0.2	1.50	1.50	0.00
774.9	5.62	95.54	774.3	-1.8	18.3	-0.4	1.50	1.50	0.00
800.0	5.62	95.54	799.3	-2.0	20.7	-0.4	0.00	0.00	0.00
900.0	5.62	95.54	898.8	-3.0	30.5	-0.6	0.00	0.00	0.00
1,000.0	5.62	95.54	998.3	-3.9	40.3	-0.8	0.00	0.00	0.00
1,100.0	5.62	95.54	1,097.8	-4.9	50.0	-1.0	0.00	0.00	0.00
1,200.0	5.62	95.54	1,197.4	-5.8	59.8	-1.2	0.00	0.00	0.00
1,300.0	5.62	95.54	1,296.9	-6.7	69.5	-1.4	0.00	0.00	0.00
1,400.0	5.62	95.54	1,396.4	-7.7	79.3	-1.5	0.00	0.00	0.00
1,500.0	5.62	95.54	1,495.9	-8.6	89.0	-1.7	0.00	0.00	0.00
1,600.0	5.62	95.54	1,595.4	-9.6	98.8	-1.9	0.00	0.00	0.00
1,700.0	5.62	95.54	1,694.9	-10.5	108.5	-2.1	0.00	0.00	0.00
1,800.0	5.62	95.54	1,794.5	-11.5	118.3	-2.3	0.00	0.00	0.00
1,900.0	5.62	95.54	1,894.0	-12.4	128.0	-2.5	0.00	0.00	0.00
2,000.0	5.62	95.54	1,993.5	-13.4	137.8	-2.7	0.00	0.00	0.00
2,100.0	5.62	95.54	2,093.0	-14.3	147.6	-2.9	0.00	0.00	0.00
2,200.0	5.62	95.54	2,192.5	-15.3	157.3	-3.1	0.00	0.00	0.00
2,300.0	5.62	95.54	2,292.1	-16.2	167.1	-3.3	0.00	0.00	0.00
2,400.0	5.62	95.54	2,391.6	-17.2	176.8	-3.4	0.00	0.00	0.00
2,500.0	5.62	95.54	2,491.1	-18.1	186.6	-3.6	0.00	0.00	0.00
2,600.0	5.62	95.54	2,590.6	-19.1	196.3	-3.8	0.00	0.00	0.00
2,700.0	5.62	95.54	2,690.1	-20.0	206.1	-4.0	0.00	0.00	0.00
2,800.0	5.62	95.54	2,789.6	-20.9	215.8	-4.2	0.00	0.00	0.00
2,900.0	5.62	95.54	2,889.2	-21.9	225.6	-4.4	0.00	0.00	0.00
3,000.0	5.62	95.54	2,988.7	-22.8	235.3	-4.6	0.00	0.00	0.00
3,100.0	5.62	95.54	3,088.2	-23.8	245.1	-4.8	0.00	0.00	0.00
3,200.0	5.62	95.54	3,187.7	-24.7	254.9	-5.0	0.00	0.00	0.00
3,300.0	5.62	95.54	3,287.2	-25.7	264.6	-5.2	0.00	0.00	0.00
3,400.0	5.62	95.54	3,386.8	-26.6	274.4	-5.4	0.00	0.00	0.00
3,500.0	5.62	95.54	3,486.3	-27.6	284.1	-5.5	0.00	0.00	0.00
3,600.0	5.62	95.54	3,585.8	-28.5	293.9	-5.7	0.00	0.00	0.00
3,700.0	5.62	95.54	3,685.3	-29.5	303.6	-5.9	0.00	0.00	0.00
3,800.0	5.62	95.54	3,784.8	-30.4	313.4	-6.1	0.00	0.00	0.00
3,900.0	5.62	95.54	3,884.4	-31.4	323.1	-6.3	0.00	0.00	0.00
4,000.0	5.62	95.54	3,983.9	-32.3	332.9	-6.5	0.00	0.00	0.00
4,100.0	5.62	95.54	4,083.4	-33.3	342.6	-6.7	0.00	0.00	0.00
4,200.0	5.62	95.54	4,182.9	-34.2	352.4	-6.9	0.00	0.00	0.00
4,300.0	5.62	95.54	4,282.4	-35.1	362.2	-7.1	0.00	0.00	0.00
4,400.0	5.62	95.54	4,381.9	-36.1	371.9	-7.3	0.00	0.00	0.00
4,500.0	5.62	95.54	4,481.5	-37.0	381.7	-7.4	0.00	0.00	0.00
4,600.0	5.62	95.54	4,581.0	-38.0	391.4	-7.6	0.00	0.00	0.00
4,700.0	5.62	95.54	4,680.5	-38.9	401.2	-7.8	0.00	0.00	0.00
4,800.0	5.62	95.54	4,780.0	-39.9	410.9	-8.0	0.00	0.00	0.00
4,900.0	5.62	95.54	4,879.5	-40.8	420.7	-8.2	0.00	0.00	0.00
5,000.0	5.62	95.54	4,979.1	-41.8	430.4	-8.4	0.00	0.00	0.00
5,100.0	5.62	95.54	5,078.6	-42.7	440.2	-8.6	0.00	0.00	0.00

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Creedence 21/16 W0PA Fed Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3032.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3032.0usft (Original Well Elev)
Site:	Creedence 21/16 W0PA Fed Com #1H	North Reference:	Grid
Well:	Sec 21, T24S, R28E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 330' FNL & 330' FEL, Sec 16		
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)	
5,200.0	5.62	95.54	5,178.1	-43.7	449.9	-8.8	0.00	0.00	0.00	
5,300.0	5.62	95.54	5,277.6	-44.6	459.7	-9.0	0.00	0.00	0.00	
5,400.0	5.62	95.54	5,377.1	-45.6	469.4	-9.2	0.00	0.00	0.00	
5,500.0	5.62	95.54	5,476.7	-46.5	479.2	-9.3	0.00	0.00	0.00	
5,600.0	5.62	95.54	5,576.2	-47.5	489.0	-9.5	0.00	0.00	0.00	
5,700.0	5.62	95.54	5,675.7	-48.4	498.7	-9.7	0.00	0.00	0.00	
5,800.0	5.62	95.54	5,775.2	-49.3	508.5	-9.9	0.00	0.00	0.00	
5,900.0	5.62	95.54	5,874.7	-50.3	518.2	-10.1	0.00	0.00	0.00	
6,000.0	5.62	95.54	5,974.2	-51.2	528.0	-10.3	0.00	0.00	0.00	
6,100.0	5.62	95.54	6,073.8	-52.2	537.7	-10.5	0.00	0.00	0.00	
6,200.0	5.62	95.54	6,173.3	-53.1	547.5	-10.7	0.00	0.00	0.00	
6,300.0	5.62	95.54	6,272.8	-54.1	557.2	-10.9	0.00	0.00	0.00	
6,400.0	5.62	95.54	6,372.3	-55.0	567.0	-11.1	0.00	0.00	0.00	
6,500.0	5.62	95.54	6,471.8	-56.0	576.7	-11.2	0.00	0.00	0.00	
6,600.0	5.62	95.54	6,571.4	-56.9	586.5	-11.4	0.00	0.00	0.00	
6,700.0	5.62	95.54	6,670.9	-57.9	596.3	-11.6	0.00	0.00	0.00	
6,800.0	5.62	95.54	6,770.4	-58.8	606.0	-11.8	0.00	0.00	0.00	
6,900.0	5.62	95.54	6,869.9	-59.8	615.8	-12.0	0.00	0.00	0.00	
7,000.0	5.62	95.54	6,969.4	-60.7	625.5	-12.2	0.00	0.00	0.00	
7,100.0	5.62	95.54	7,069.0	-61.7	635.3	-12.4	0.00	0.00	0.00	
7,200.0	5.62	95.54	7,168.5	-62.6	645.0	-12.6	0.00	0.00	0.00	
7,300.0	5.62	95.54	7,268.0	-63.5	654.8	-12.8	0.00	0.00	0.00	
7,400.0	5.62	95.54	7,367.5	-64.5	664.5	-13.0	0.00	0.00	0.00	
7,500.0	5.62	95.54	7,467.0	-65.4	674.3	-13.1	0.00	0.00	0.00	
7,600.0	5.62	95.54	7,566.5	-66.4	684.0	-13.3	0.00	0.00	0.00	
7,700.0	5.62	95.54	7,666.1	-67.3	693.8	-13.5	0.00	0.00	0.00	
7,800.0	5.62	95.54	7,765.6	-68.3	703.6	-13.7	0.00	0.00	0.00	
7,900.0	5.62	95.54	7,865.1	-69.2	713.3	-13.9	0.00	0.00	0.00	
8,000.0	5.62	95.54	7,964.6	-70.2	723.1	-14.1	0.00	0.00	0.00	
8,100.0	5.62	95.54	8,064.1	-71.1	732.8	-14.3	0.00	0.00	0.00	
8,200.0	5.62	95.54	8,163.7	-72.1	742.6	-14.5	0.00	0.00	0.00	
8,300.0	5.62	95.54	8,263.2	-73.0	752.3	-14.7	0.00	0.00	0.00	
8,400.0	5.62	95.54	8,362.7	-74.0	762.1	-14.9	0.00	0.00	0.00	
8,500.0	5.62	95.54	8,462.2	-74.9	771.8	-15.1	0.00	0.00	0.00	
8,600.0	5.62	95.54	8,561.7	-75.9	781.6	-15.2	0.00	0.00	0.00	
8,700.0	5.62	95.54	8,661.2	-76.8	791.3	-15.4	0.00	0.00	0.00	
8,744.6	5.62	95.54	8,705.7	-77.2	795.7	-15.5	0.00	0.00	0.00	
8,800.0	4.79	95.54	8,760.8	-77.7	800.7	-15.6	1.50	-1.50	0.00	
8,900.0	3.29	95.54	8,860.6	-78.4	807.7	-15.8	1.50	-1.50	0.00	
9,000.0	1.79	95.54	8,960.5	-78.8	812.1	-15.8	1.50	-1.50	0.00	
9,100.0	0.29	95.54	9,060.4	-79.0	814.0	-15.9	1.50	-1.50	0.00	
9,119.6	0.00	0.00	9,080.0	-79.0	814.0	-15.9	1.50	-1.50	0.00	
KOP: 10' FSL & 330' FEL (Sec 21)										
9,200.0	9.66	359.90	9,160.1	-72.2	814.0	-9.1	12.01	12.01	0.00	
9,300.0	21.67	359.90	9,256.2	-45.3	813.9	17.7	12.01	12.01	0.00	
9,400.0	33.68	359.90	9,344.6	1.1	813.9	64.0	12.01	12.01	0.00	
9,500.0	45.70	359.90	9,421.4	64.8	813.7	127.5	12.01	12.01	0.00	
9,600.0	57.71	359.90	9,483.2	143.2	813.6	205.6	12.01	12.01	0.00	
9,700.0	69.72	359.90	9,527.4	232.7	813.5	294.8	12.01	12.01	0.00	
9,708.8	70.78	359.90	9,530.4	241.0	813.4	303.1	12.01	12.01	0.00	
FTP: 330' FSL & 330' FEL (Sec 21)										
9,800.0	81.73	359.90	9,552.0	329.4	813.3	391.2	12.01	12.01	0.00	
9,872.0	90.38	359.90	9,557.0	401.2	813.2	462.8	12.00	12.00	0.00	

Planning Report

Database: Hobbs
Company: Mewbourne Oil Company
Project: Eddy County, New Mexico NAD 83
Site: Creedence 21/16 W0PA Fed Com #1H
Well: Sec 21, T24S, R28E
Wellbore: BHL: 330' FNL & 330' FEL, Sec 16
Design: Design #1

Local Co-ordinate Reference: Site Creedence 21/16 W0PA Fed Com #1H
TVD Reference: WELL @ 3032.0usft (Original Well Elev)
MD Reference: WELL @ 3032.0usft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
LP: 501' FSL & 330' FEL (Sec 21)									
9,900.0	90.38	359.90	9,556.8	429.2	813.1	490.7	0.00	0.00	0.00
10,000.0	90.38	359.90	9,556.2	529.2	812.9	590.4	0.00	0.00	0.00
10,100.0	90.38	359.90	9,555.5	629.1	812.8	690.1	0.00	0.00	0.00
10,200.0	90.38	359.90	9,554.8	729.1	812.6	789.7	0.00	0.00	0.00
10,300.0	90.38	359.90	9,554.2	829.1	812.4	889.4	0.00	0.00	0.00
10,400.0	90.38	359.90	9,553.5	929.1	812.2	989.1	0.00	0.00	0.00
10,500.0	90.38	359.90	9,552.9	1,029.1	812.1	1,088.8	0.00	0.00	0.00
10,600.0	90.38	359.90	9,552.2	1,129.1	811.9	1,188.5	0.00	0.00	0.00
10,700.0	90.38	359.90	9,551.5	1,229.1	811.7	1,288.2	0.00	0.00	0.00
10,727.9	90.38	359.90	9,551.4	1,257.0	811.7	1,316.0	0.00	0.00	0.00
PPP2: 1346' FSL & 330' FEL (Sec 21)									
10,800.0	90.38	359.90	9,550.9	1,329.1	811.6	1,387.9	0.00	0.00	0.00
10,900.0	90.38	359.90	9,550.2	1,429.1	811.4	1,487.5	0.00	0.00	0.00
11,000.0	90.38	359.90	9,549.6	1,529.1	811.2	1,587.2	0.00	0.00	0.00
11,100.0	90.38	359.90	9,548.9	1,629.1	811.0	1,686.9	0.00	0.00	0.00
11,200.0	90.38	359.90	9,548.3	1,729.1	810.9	1,786.6	0.00	0.00	0.00
11,300.0	90.38	359.90	9,547.6	1,829.1	810.7	1,886.3	0.00	0.00	0.00
11,400.0	90.38	359.90	9,546.9	1,929.1	810.5	1,986.0	0.00	0.00	0.00
11,500.0	90.38	359.90	9,546.3	2,029.1	810.3	2,085.7	0.00	0.00	0.00
11,600.0	90.38	359.90	9,545.6	2,129.1	810.2	2,185.3	0.00	0.00	0.00
11,700.0	90.38	359.90	9,545.0	2,229.1	810.0	2,285.0	0.00	0.00	0.00
11,800.0	90.38	359.90	9,544.3	2,329.1	809.8	2,384.7	0.00	0.00	0.00
11,900.0	90.38	359.90	9,543.6	2,429.1	809.6	2,484.4	0.00	0.00	0.00
12,000.0	90.38	359.90	9,543.0	2,529.1	809.5	2,584.1	0.00	0.00	0.00
12,070.9	90.38	359.90	9,542.5	2,600.0	809.3	2,654.8	0.00	0.00	0.00
PPP3: 2667' FNL & 330' FEL (Sec 21)									
12,100.0	90.38	359.90	9,542.3	2,629.1	809.3	2,683.8	0.00	0.00	0.00
12,200.0	90.38	359.90	9,541.7	2,729.1	809.1	2,783.5	0.00	0.00	0.00
12,300.0	90.38	359.90	9,541.0	2,829.1	808.9	2,883.1	0.00	0.00	0.00
12,400.0	90.38	359.90	9,540.4	2,929.1	808.8	2,982.8	0.00	0.00	0.00
12,500.0	90.38	359.90	9,539.7	3,029.1	808.6	3,082.5	0.00	0.00	0.00
12,600.0	90.38	359.90	9,539.0	3,129.1	808.4	3,182.2	0.00	0.00	0.00
12,700.0	90.38	359.90	9,538.4	3,229.1	808.2	3,281.9	0.00	0.00	0.00
12,800.0	90.38	359.90	9,537.7	3,329.1	808.1	3,381.6	0.00	0.00	0.00
12,900.0	90.38	359.90	9,537.1	3,429.1	807.9	3,481.3	0.00	0.00	0.00
13,000.0	90.38	359.90	9,536.4	3,529.1	807.7	3,580.9	0.00	0.00	0.00
13,100.0	90.38	359.90	9,535.7	3,629.1	807.6	3,680.6	0.00	0.00	0.00
13,200.0	90.38	359.90	9,535.1	3,729.1	807.4	3,780.3	0.00	0.00	0.00
13,300.0	90.38	359.90	9,534.4	3,829.1	807.2	3,880.0	0.00	0.00	0.00
13,400.0	90.38	359.90	9,533.8	3,929.1	807.0	3,979.7	0.00	0.00	0.00
13,500.0	90.38	359.90	9,533.1	4,029.1	806.9	4,079.4	0.00	0.00	0.00
13,600.0	90.38	359.90	9,532.5	4,129.1	806.7	4,179.1	0.00	0.00	0.00
13,700.0	90.38	359.90	9,531.8	4,229.1	806.5	4,278.7	0.00	0.00	0.00
13,800.0	90.38	359.90	9,531.1	4,329.1	806.3	4,378.4	0.00	0.00	0.00
13,900.0	90.38	359.90	9,530.5	4,429.1	806.2	4,478.1	0.00	0.00	0.00
14,000.0	90.38	359.90	9,529.8	4,529.1	806.0	4,577.8	0.00	0.00	0.00
14,100.0	90.38	359.90	9,529.2	4,629.1	805.8	4,677.5	0.00	0.00	0.00
14,200.0	90.38	359.90	9,528.5	4,729.1	805.6	4,777.2	0.00	0.00	0.00
14,300.0	90.38	359.90	9,527.8	4,829.1	805.5	4,876.8	0.00	0.00	0.00
14,400.0	90.38	359.90	9,527.2	4,929.0	805.3	4,976.5	0.00	0.00	0.00
14,500.0	90.38	359.90	9,526.5	5,029.0	805.1	5,076.2	0.00	0.00	0.00
14,600.0	90.38	359.90	9,525.9	5,129.0	804.9	5,175.9	0.00	0.00	0.00

Planning Report

Database: Hobbs
Company: Mewbourne Oil Company
Project: Eddy County, New Mexico NAD 83
Site: Creedence 21/16 W0PA Fed Com #1H
Well: Sec 21, T24S, R28E
Wellbore: BHL: 330' FNL & 330' FEL, Sec 16
Design: Design #1

Local Co-ordinate Reference: Site Creedence 21/16 W0PA Fed Com #1H
TVD Reference: WELL @ 3032.0usft (Original Well Elev)
MD Reference: WELL @ 3032.0usft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
14,700.0	90.38	359.90	9,525.2	5,229.0	804.8	5,275.6	0.00	0.00	0.00
14,800.0	90.38	359.90	9,524.5	5,329.0	804.6	5,375.3	0.00	0.00	0.00
14,900.0	90.38	359.90	9,523.9	5,429.0	804.4	5,475.0	0.00	0.00	0.00
15,000.0	90.38	359.90	9,523.2	5,529.0	804.2	5,574.6	0.00	0.00	0.00
15,100.0	90.38	359.90	9,522.6	5,629.0	804.1	5,674.3	0.00	0.00	0.00
15,200.0	90.38	359.90	9,521.9	5,729.0	803.9	5,774.0	0.00	0.00	0.00
15,300.0	90.38	359.90	9,521.3	5,829.0	803.7	5,873.7	0.00	0.00	0.00
15,400.0	90.38	359.90	9,520.6	5,929.0	803.6	5,973.4	0.00	0.00	0.00
15,500.0	90.38	359.90	9,519.9	6,029.0	803.4	6,073.1	0.00	0.00	0.00
15,600.0	90.38	359.90	9,519.3	6,129.0	803.2	6,172.8	0.00	0.00	0.00
15,700.0	90.38	359.90	9,518.6	6,229.0	803.0	6,272.4	0.00	0.00	0.00
15,800.0	90.38	359.90	9,518.0	6,329.0	802.9	6,372.1	0.00	0.00	0.00
15,900.0	90.38	359.90	9,517.3	6,429.0	802.7	6,471.8	0.00	0.00	0.00
16,000.0	90.38	359.90	9,516.6	6,529.0	802.5	6,571.5	0.00	0.00	0.00
16,100.0	90.38	359.90	9,516.0	6,629.0	802.3	6,671.2	0.00	0.00	0.00
16,200.0	90.38	359.90	9,515.3	6,729.0	802.2	6,770.9	0.00	0.00	0.00
16,300.0	90.38	359.90	9,514.7	6,829.0	802.0	6,870.6	0.00	0.00	0.00
16,400.0	90.38	359.90	9,514.0	6,929.0	801.8	6,970.2	0.00	0.00	0.00
16,500.0	90.38	359.90	9,513.4	7,029.0	801.6	7,069.9	0.00	0.00	0.00
16,600.0	90.38	359.90	9,512.7	7,129.0	801.5	7,169.6	0.00	0.00	0.00
16,700.0	90.38	359.90	9,512.0	7,229.0	801.3	7,269.3	0.00	0.00	0.00
16,800.0	90.38	359.90	9,511.4	7,329.0	801.1	7,369.0	0.00	0.00	0.00
16,900.0	90.38	359.90	9,510.7	7,429.0	800.9	7,468.7	0.00	0.00	0.00
17,000.0	90.38	359.90	9,510.1	7,529.0	800.8	7,568.4	0.00	0.00	0.00
17,100.0	90.38	359.90	9,509.4	7,629.0	800.6	7,668.0	0.00	0.00	0.00
17,200.0	90.38	359.90	9,508.7	7,729.0	800.4	7,767.7	0.00	0.00	0.00
17,300.0	90.38	359.90	9,508.1	7,829.0	800.2	7,867.4	0.00	0.00	0.00
17,400.0	90.38	359.90	9,507.4	7,929.0	800.1	7,967.1	0.00	0.00	0.00
17,500.0	90.38	359.90	9,506.8	8,029.0	799.9	8,066.8	0.00	0.00	0.00
17,600.0	90.38	359.90	9,506.1	8,129.0	799.7	8,166.5	0.00	0.00	0.00
17,700.0	90.38	359.90	9,505.5	8,229.0	799.6	8,266.2	0.00	0.00	0.00
17,800.0	90.38	359.90	9,504.8	8,329.0	799.4	8,365.8	0.00	0.00	0.00
17,900.0	90.38	359.90	9,504.1	8,429.0	799.2	8,465.5	0.00	0.00	0.00
18,000.0	90.38	359.90	9,503.5	8,529.0	799.0	8,565.2	0.00	0.00	0.00
18,100.0	90.38	359.90	9,502.8	8,629.0	798.9	8,664.9	0.00	0.00	0.00
18,200.0	90.38	359.90	9,502.2	8,729.0	798.7	8,764.6	0.00	0.00	0.00
18,300.0	90.38	359.90	9,501.5	8,829.0	798.5	8,864.3	0.00	0.00	0.00
18,400.0	90.38	359.90	9,500.8	8,929.0	798.3	8,963.9	0.00	0.00	0.00
18,500.0	90.38	359.90	9,500.2	9,029.0	798.2	9,063.6	0.00	0.00	0.00
18,600.0	90.38	359.90	9,499.5	9,129.0	798.0	9,163.3	0.00	0.00	0.00
18,700.0	90.38	359.90	9,498.9	9,229.0	797.8	9,263.0	0.00	0.00	0.00
18,800.0	90.38	359.90	9,498.2	9,328.9	797.6	9,362.7	0.00	0.00	0.00
18,900.0	90.38	359.90	9,497.6	9,428.9	797.5	9,462.4	0.00	0.00	0.00
19,000.0	90.38	359.90	9,496.9	9,528.9	797.3	9,562.1	0.00	0.00	0.00
19,100.0	90.38	359.90	9,496.2	9,628.9	797.1	9,661.7	0.00	0.00	0.00
19,200.0	90.38	359.90	9,495.6	9,728.9	796.9	9,761.4	0.00	0.00	0.00
19,300.0	90.38	359.90	9,494.9	9,828.9	796.8	9,861.1	0.00	0.00	0.00
19,400.0	90.38	359.90	9,494.3	9,928.9	796.6	9,960.8	0.00	0.00	0.00
19,500.0	90.38	359.90	9,493.6	10,028.9	796.4	10,060.5	0.00	0.00	0.00
19,600.0	90.38	359.90	9,492.9	10,128.9	796.2	10,160.2	0.00	0.00	0.00
19,700.0	90.38	359.90	9,492.3	10,228.9	796.1	10,259.9	0.00	0.00	0.00
19,743.1	90.38	359.90	9,492.0	10,272.0	796.0	10,302.8	0.00	0.00	0.00

BHL: 330' FNL & 330' FEL (Sec 16)

Planning Report

Database: Hobbs
Company: Mewbourne Oil Company
Project: Eddy County, New Mexico NAD 83
Site: Creedence 21/16 WOPA Fed Com #1H
Well: Sec 21, T24S, R28E
Wellbore: BHL: 330' FNL & 330' FEL, Sec 16
Design: Design #1

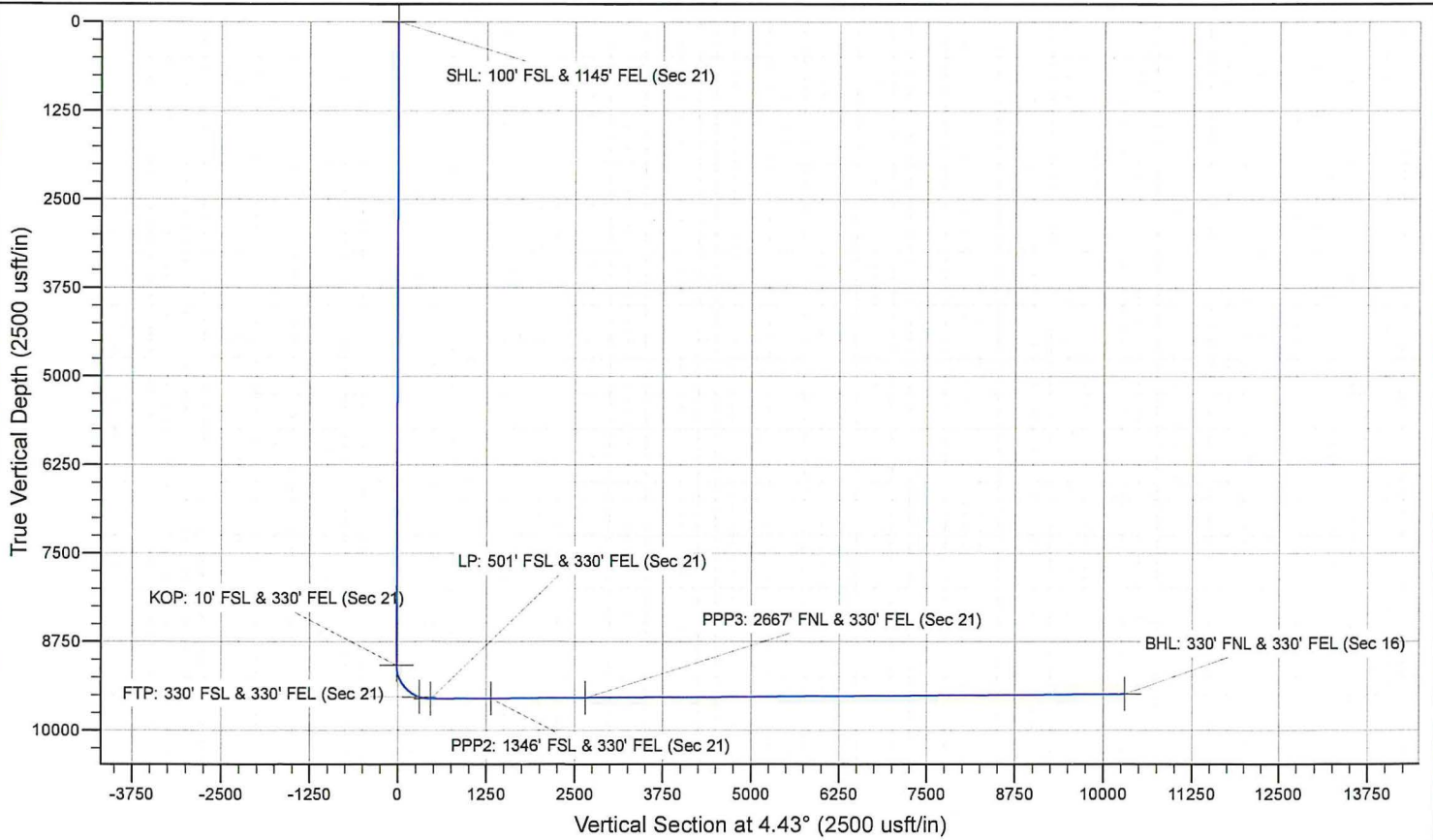
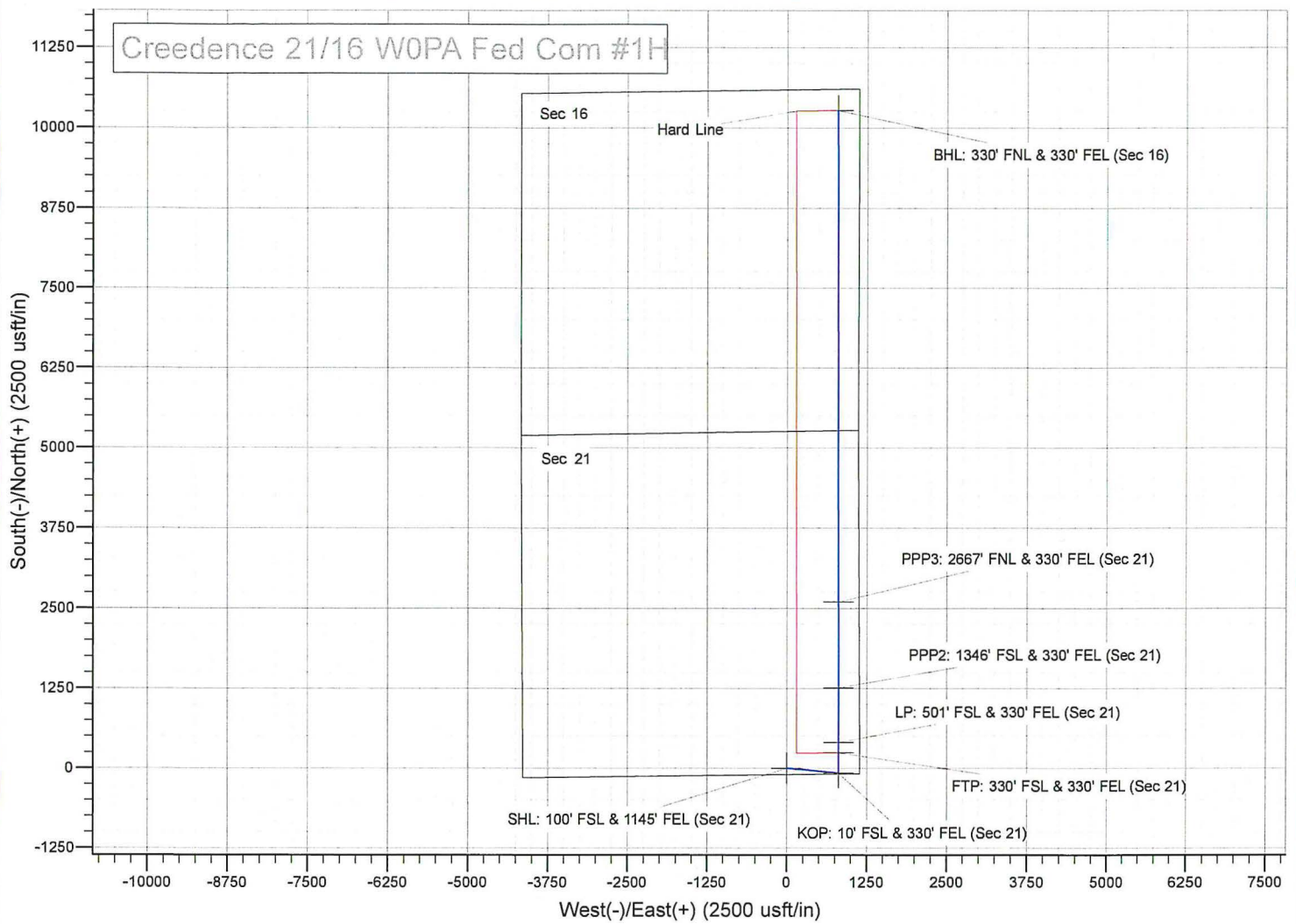
Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:

Site Creedence 21/16 WOPA Fed Com #1H
 WELL @ 3032.0usft (Original Well Elev)
 WELL @ 3032.0usft (Original Well Elev)
 Grid
 Minimum Curvature

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
SHL: 100' FSL & 1145' F - plan hits target center - Point	0.00	0.00	0.0	0.0	0.0	435,223.00	617,289.00	32.1962670	-104.0877949
KOP: 10' FSL & 330' FE - plan hits target center - Point	0.00	0.00	9,080.0	-79.0	814.0	435,144.00	618,103.00	32.1960447	-104.0851640
BHL: 330' FNL & 330' FE - plan hits target center - Point	0.00	0.00	9,492.0	10,272.0	796.0	445,495.00	618,085.00	32.2244985	-104.0851449
FTP: 330' FSL & 330' FE - plan hits target center - Point	0.00	0.00	9,530.4	241.0	813.4	435,464.00	618,102.45	32.1969243	-104.0851634
PPP3: 2667' FNL & 330' - plan hits target center - Point	0.00	0.00	9,542.5	2,600.0	809.3	437,823.00	618,098.35	32.2034090	-104.0851591
PPP2: 1346' FSL & 330' - plan hits target center - Point	0.00	0.00	9,551.4	1,257.0	811.7	436,480.00	618,100.68	32.1997172	-104.0851615
LP: 501' FSL & 330' FEL - plan hits target center - Point	0.00	0.00	9,557.0	401.2	813.2	435,624.20	618,102.20	32.1973647	-104.0851630

Creedence 21/16 W0PA Fed Com #1H



Mewbourne Oil Company

Eddy County, New Mexico NAD 83

Creedence 21/16 W1OB Fed Com #1H

Sec 21, T24S, R28E

SHL: 100' FSL & 1235' FEL, Sec 21

BHL: 330' FNL & 2310' FEL, Sec 16

Plan: Design #1

Standard Planning Report

30 March, 2020

Planning Report

Database: Hobbs
Company: Mewbourne Oil Company
Project: Eddy County, New Mexico NAD 83
Site: Creedence 21/16 W1OB Fed Com #1H
Well: Sec 21, T24S, R28E
Wellbore: BHL: 330' FNL & 2310' FEL, Sec 16
Design: Design #1

Local Co-ordinate Reference: Site Creedence 21/16 W1OB Fed Com #1H
TVD Reference: WELL @ 3033.0usft (Original Well Elev)
MD Reference: WELL @ 3033.0usft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

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

Site	Creedence 21/16 W1OB Fed Com #1H				
Site Position:		Northing:	435,222.00 usft	Latitude:	32.1962648
From:	Map	Easting:	617,199.00 usft	Longitude:	-104.0880859
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.13 °

Well	Sec 21, T24S, R28E					
Well Position	+N/-S	0.0 usft	Northing:	435,222.00 usft	Latitude:	32.1962648
	+E/-W	0.0 usft	Easting:	617,199.00 usft	Longitude:	-104.0880859
Position Uncertainty		0.0 usft	Wellhead Elevation:	3,033.0 usft	Ground Level:	3,005.0 usft

Wellbore	BHL: 330' FNL & 2310' FEL, Sec 16				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	12/31/2014	7.38	59.99	48,167

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	353.91

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

Planning Report

Database: Hobbs
Company: Mewbourne Oil Company
Project: Eddy County, New Mexico NAD 83
Site: Creedence 21/16 W1OB Fed Com #1H
Well: Sec 21, T24S, R28E
Wellbore: BHL: 330' FNL & 2310' FEL, Sec 16
Design: Design #1

Local Co-ordinate Reference: Site Creedence 21/16 W1OB Fed Com #1H
TVD Reference: WELL @ 3033.0usft (Original Well Elev)
MD Reference: WELL @ 3033.0usft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
SHL: 100' FSL & 1235' FEL (Sec 21)									
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	1.50	264.52	500.0	-0.1	-1.3	0.0	1.50	1.50	0.00
600.0	3.00	264.52	599.9	-0.5	-5.2	0.1	1.50	1.50	0.00
700.0	4.50	264.52	699.7	-1.1	-11.7	0.1	1.50	1.50	0.00
800.0	6.00	264.52	799.3	-2.0	-20.8	0.2	1.50	1.50	0.00
895.9	7.44	264.52	894.5	-3.1	-32.0	0.3	1.50	1.50	0.00
900.0	7.44	264.52	898.6	-3.1	-32.5	0.4	0.00	0.00	0.00
1,000.0	7.44	264.52	997.7	-4.4	-45.4	0.5	0.00	0.00	0.00
1,100.0	7.44	264.52	1,096.9	-5.6	-58.3	0.6	0.00	0.00	0.00
1,200.0	7.44	264.52	1,196.0	-6.8	-71.2	0.8	0.00	0.00	0.00
1,300.0	7.44	264.52	1,295.2	-8.1	-84.1	0.9	0.00	0.00	0.00
1,400.0	7.44	264.52	1,394.4	-9.3	-97.0	1.0	0.00	0.00	0.00
1,500.0	7.44	264.52	1,493.5	-10.5	-109.9	1.2	0.00	0.00	0.00
1,600.0	7.44	264.52	1,592.7	-11.8	-122.7	1.3	0.00	0.00	0.00
1,700.0	7.44	264.52	1,691.8	-13.0	-135.6	1.5	0.00	0.00	0.00
1,800.0	7.44	264.52	1,791.0	-14.2	-148.5	1.6	0.00	0.00	0.00
1,900.0	7.44	264.52	1,890.2	-15.5	-161.4	1.7	0.00	0.00	0.00
2,000.0	7.44	264.52	1,989.3	-16.7	-174.3	1.9	0.00	0.00	0.00
2,100.0	7.44	264.52	2,088.5	-18.0	-187.2	2.0	0.00	0.00	0.00
2,200.0	7.44	264.52	2,187.6	-19.2	-200.1	2.2	0.00	0.00	0.00
2,300.0	7.44	264.52	2,286.8	-20.4	-213.0	2.3	0.00	0.00	0.00
2,400.0	7.44	264.52	2,385.9	-21.7	-225.8	2.4	0.00	0.00	0.00
2,500.0	7.44	264.52	2,485.1	-22.9	-238.7	2.6	0.00	0.00	0.00
2,600.0	7.44	264.52	2,584.3	-24.1	-251.6	2.7	0.00	0.00	0.00
2,700.0	7.44	264.52	2,683.4	-25.4	-264.5	2.9	0.00	0.00	0.00
2,800.0	7.44	264.52	2,782.6	-26.6	-277.4	3.0	0.00	0.00	0.00
2,900.0	7.44	264.52	2,881.7	-27.8	-290.3	3.1	0.00	0.00	0.00
3,000.0	7.44	264.52	2,980.9	-29.1	-303.2	3.3	0.00	0.00	0.00
3,100.0	7.44	264.52	3,080.1	-30.3	-316.1	3.4	0.00	0.00	0.00
3,200.0	7.44	264.52	3,179.2	-31.5	-328.9	3.6	0.00	0.00	0.00
3,300.0	7.44	264.52	3,278.4	-32.8	-341.8	3.7	0.00	0.00	0.00
3,400.0	7.44	264.52	3,377.5	-34.0	-354.7	3.8	0.00	0.00	0.00
3,500.0	7.44	264.52	3,476.7	-35.3	-367.6	4.0	0.00	0.00	0.00
3,600.0	7.44	264.52	3,575.8	-36.5	-380.5	4.1	0.00	0.00	0.00
3,700.0	7.44	264.52	3,675.0	-37.7	-393.4	4.3	0.00	0.00	0.00
3,800.0	7.44	264.52	3,774.2	-39.0	-406.3	4.4	0.00	0.00	0.00
3,900.0	7.44	264.52	3,873.3	-40.2	-419.2	4.5	0.00	0.00	0.00
4,000.0	7.44	264.52	3,972.5	-41.4	-432.0	4.7	0.00	0.00	0.00
4,100.0	7.44	264.52	4,071.6	-42.7	-444.9	4.8	0.00	0.00	0.00
4,200.0	7.44	264.52	4,170.8	-43.9	-457.8	4.9	0.00	0.00	0.00
4,300.0	7.44	264.52	4,270.0	-45.1	-470.7	5.1	0.00	0.00	0.00
4,400.0	7.44	264.52	4,369.1	-46.4	-483.6	5.2	0.00	0.00	0.00
4,500.0	7.44	264.52	4,468.3	-47.6	-496.5	5.4	0.00	0.00	0.00
4,600.0	7.44	264.52	4,567.4	-48.9	-509.4	5.5	0.00	0.00	0.00
4,700.0	7.44	264.52	4,666.6	-50.1	-522.3	5.6	0.00	0.00	0.00
4,800.0	7.44	264.52	4,765.7	-51.3	-535.1	5.8	0.00	0.00	0.00
4,900.0	7.44	264.52	4,864.9	-52.6	-548.0	5.9	0.00	0.00	0.00
5,000.0	7.44	264.52	4,964.1	-53.8	-560.9	6.1	0.00	0.00	0.00
5,100.0	7.44	264.52	5,063.2	-55.0	-573.8	6.2	0.00	0.00	0.00

Planning Report

Database: Hobbs
Company: Mewbourne Oil Company
Project: Eddy County, New Mexico NAD 83
Site: Creedence 21/16 W10B Fed Com #1H
Well: Sec 21, T24S, R28E
Wellbore: BHL: 330' FNL & 2310' FEL, Sec 16
Design: Design #1

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:

Site Creedence 21/16 W10B Fed Com #1H
 WELL @ 3033.0usft (Original Well Elev)
 WELL @ 3033.0usft (Original Well Elev)
 Grid
 Minimum Curvature

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,200.0	7.44	264.52	5,162.4	-56.3	-586.7	6.3	0.00	0.00	0.00
5,300.0	7.44	264.52	5,261.5	-57.5	-599.6	6.5	0.00	0.00	0.00
5,400.0	7.44	264.52	5,360.7	-58.7	-612.5	6.6	0.00	0.00	0.00
5,500.0	7.44	264.52	5,459.9	-60.0	-625.4	6.8	0.00	0.00	0.00
5,600.0	7.44	264.52	5,559.0	-61.2	-638.2	6.9	0.00	0.00	0.00
5,700.0	7.44	264.52	5,658.2	-62.4	-651.1	7.0	0.00	0.00	0.00
5,800.0	7.44	264.52	5,757.3	-63.7	-664.0	7.2	0.00	0.00	0.00
5,900.0	7.44	264.52	5,856.5	-64.9	-676.9	7.3	0.00	0.00	0.00
6,000.0	7.44	264.52	5,955.6	-66.2	-689.8	7.5	0.00	0.00	0.00
6,100.0	7.44	264.52	6,054.8	-67.4	-702.7	7.6	0.00	0.00	0.00
6,200.0	7.44	264.52	6,154.0	-68.6	-715.6	7.7	0.00	0.00	0.00
6,300.0	7.44	264.52	6,253.1	-69.9	-728.5	7.9	0.00	0.00	0.00
6,400.0	7.44	264.52	6,352.3	-71.1	-741.4	8.0	0.00	0.00	0.00
6,500.0	7.44	264.52	6,451.4	-72.3	-754.2	8.2	0.00	0.00	0.00
6,600.0	7.44	264.52	6,550.6	-73.6	-767.1	8.3	0.00	0.00	0.00
6,700.0	7.44	264.52	6,649.8	-74.8	-780.0	8.4	0.00	0.00	0.00
6,800.0	7.44	264.52	6,748.9	-76.0	-792.9	8.6	0.00	0.00	0.00
6,900.0	7.44	264.52	6,848.1	-77.3	-805.8	8.7	0.00	0.00	0.00
7,000.0	7.44	264.52	6,947.2	-78.5	-818.7	8.8	0.00	0.00	0.00
7,100.0	7.44	264.52	7,046.4	-79.7	-831.6	9.0	0.00	0.00	0.00
7,200.0	7.44	264.52	7,145.5	-81.0	-844.5	9.1	0.00	0.00	0.00
7,300.0	7.44	264.52	7,244.7	-82.2	-857.3	9.3	0.00	0.00	0.00
7,400.0	7.44	264.52	7,343.9	-83.5	-870.2	9.4	0.00	0.00	0.00
7,500.0	7.44	264.52	7,443.0	-84.7	-883.1	9.5	0.00	0.00	0.00
7,600.0	7.44	264.52	7,542.2	-85.9	-896.0	9.7	0.00	0.00	0.00
7,700.0	7.44	264.52	7,641.3	-87.2	-908.9	9.8	0.00	0.00	0.00
7,800.0	7.44	264.52	7,740.5	-88.4	-921.8	10.0	0.00	0.00	0.00
7,900.0	7.44	264.52	7,839.7	-89.6	-934.7	10.1	0.00	0.00	0.00
8,000.0	7.44	264.52	7,938.8	-90.9	-947.6	10.2	0.00	0.00	0.00
8,100.0	7.44	264.52	8,038.0	-92.1	-960.4	10.4	0.00	0.00	0.00
8,200.0	7.44	264.52	8,137.1	-93.3	-973.3	10.5	0.00	0.00	0.00
8,300.0	7.44	264.52	8,236.3	-94.6	-986.2	10.7	0.00	0.00	0.00
8,400.0	7.44	264.52	8,335.5	-95.8	-999.1	10.8	0.00	0.00	0.00
8,500.0	7.44	264.52	8,434.6	-97.1	-1,012.0	10.9	0.00	0.00	0.00
8,600.0	7.44	264.52	8,533.8	-98.3	-1,024.9	11.1	0.00	0.00	0.00
8,700.0	7.44	264.52	8,632.9	-99.5	-1,037.8	11.2	0.00	0.00	0.00
8,732.8	7.44	264.52	8,665.5	-99.9	-1,042.0	11.3	0.00	0.00	0.00
8,800.0	6.43	264.52	8,732.2	-100.7	-1,050.1	11.3	1.50	-1.50	0.00
8,900.0	4.93	264.52	8,831.7	-101.7	-1,059.9	11.5	1.50	-1.50	0.00
9,000.0	3.43	264.52	8,931.4	-102.3	-1,067.2	11.5	1.50	-1.50	0.00
9,100.0	1.93	264.52	9,031.3	-102.8	-1,071.8	11.6	1.50	-1.50	0.00
9,200.0	0.43	264.52	9,131.3	-103.0	-1,073.9	11.6	1.50	-1.50	0.00
9,228.7	0.00	0.00	9,160.0	-103.0	-1,074.0	11.6	1.50	-1.50	0.00
KOP: 10' FSL & 2310' FEL (Sec 21)									
9,300.0	7.13	359.89	9,231.1	-98.6	-1,074.0	16.0	10.00	10.00	0.00
9,400.0	17.12	359.89	9,328.7	-77.6	-1,074.0	36.9	10.00	10.00	0.00
9,500.0	27.12	359.89	9,421.2	-40.0	-1,074.1	74.3	10.00	10.00	0.00
9,600.0	37.12	359.89	9,505.8	13.1	-1,074.2	127.1	10.00	10.00	0.00
9,700.0	47.12	359.89	9,579.9	80.1	-1,074.4	193.7	10.00	10.00	0.00
9,800.0	57.12	359.89	9,641.2	158.9	-1,074.5	272.1	10.00	10.00	0.00
9,866.8	63.80	359.89	9,674.1	217.0	-1,074.6	329.9	10.00	10.00	0.00
FTP: 330' FSL & 2310' FEL (Sec 21)									
9,900.0	67.12	359.89	9,687.9	247.2	-1,074.7	359.9	10.00	10.00	0.00
10,000.0	77.12	359.89	9,718.6	342.3	-1,074.9	454.5	10.00	10.00	0.00

Planning Report

Database: Hobbs
 Company: Mewbourne Oil Company
 Project: Eddy County, New Mexico NAD 83
 Site: Creedence 21/16 W10B Fed Com #1H
 Well: Sec 21, T24S, R28E
 Wellbore: BHL: 330' FNL & 2310' FEL, Sec 16
 Design: Design #1

Local Co-ordinate Reference: Site Creedence 21/16 W10B Fed Com #1H
 TVD Reference: WELL @ 3033.0usft (Original Well Elev)
 MD Reference: WELL @ 3033.0usft (Original Well Elev)
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
10,100.0	87.12	359.89	9,732.3	441.2	-1,075.1	552.8	10.00	10.00	0.00
10,131.7	90.29	359.89	9,733.0	472.9	-1,075.1	584.4	10.00	10.00	0.00
LP: 573' FSL & 2310' FEL (Sec 21)									
10,200.0	90.29	359.89	9,732.7	541.2	-1,075.2	652.3	0.01	0.01	0.00
10,300.0	90.29	359.89	9,732.1	641.2	-1,075.4	751.7	0.00	0.00	0.00
10,400.0	90.29	359.89	9,731.6	741.2	-1,075.6	851.2	0.00	0.00	0.00
10,500.0	90.29	359.89	9,731.1	841.2	-1,075.8	950.6	0.00	0.00	0.00
10,600.0	90.29	359.89	9,730.6	941.2	-1,076.0	1,050.1	0.00	0.00	0.00
10,700.0	90.29	359.89	9,730.1	1,041.2	-1,076.2	1,149.6	0.00	0.00	0.00
10,800.0	90.29	359.89	9,729.6	1,141.2	-1,076.4	1,249.0	0.00	0.00	0.00
10,900.0	90.29	359.89	9,729.1	1,241.2	-1,076.6	1,348.5	0.00	0.00	0.00
11,000.0	90.29	359.89	9,728.6	1,341.2	-1,076.8	1,447.9	0.00	0.00	0.00
11,100.0	90.29	359.89	9,728.0	1,441.2	-1,077.0	1,547.4	0.00	0.00	0.00
11,200.0	90.29	359.89	9,727.5	1,541.2	-1,077.2	1,646.8	0.00	0.00	0.00
11,300.0	90.29	359.89	9,727.0	1,641.2	-1,077.4	1,746.3	0.00	0.00	0.00
11,400.0	90.29	359.89	9,726.5	1,741.2	-1,077.6	1,845.7	0.00	0.00	0.00
11,500.0	90.29	359.89	9,726.0	1,841.2	-1,077.8	1,945.2	0.00	0.00	0.00
11,600.0	90.29	359.89	9,725.5	1,941.2	-1,078.0	2,044.6	0.00	0.00	0.00
11,700.0	90.29	359.89	9,725.0	2,041.2	-1,078.1	2,144.1	0.00	0.00	0.00
11,800.0	90.29	359.89	9,724.5	2,141.2	-1,078.3	2,243.5	0.00	0.00	0.00
11,900.0	90.29	359.89	9,724.0	2,241.2	-1,078.5	2,343.0	0.00	0.00	0.00
12,000.0	90.29	359.89	9,723.4	2,341.2	-1,078.7	2,442.5	0.00	0.00	0.00
12,100.0	90.29	359.89	9,722.9	2,441.2	-1,078.9	2,541.9	0.00	0.00	0.00
12,200.0	90.29	359.89	9,722.4	2,541.2	-1,079.1	2,641.4	0.00	0.00	0.00
12,227.8	90.29	359.89	9,722.3	2,569.0	-1,079.2	2,669.1	0.00	0.00	0.00
PPP2: 2669' FNL & 2310' FEL (Sec 21)									
12,300.0	90.29	359.89	9,721.9	2,641.2	-1,079.3	2,740.8	0.00	0.00	0.00
12,400.0	90.29	359.89	9,721.4	2,741.2	-1,079.5	2,840.3	0.00	0.00	0.00
12,500.0	90.29	359.89	9,720.9	2,841.1	-1,079.7	2,939.7	0.00	0.00	0.00
12,600.0	90.29	359.89	9,720.4	2,941.1	-1,079.9	3,039.2	0.00	0.00	0.00
12,700.0	90.29	359.89	9,719.9	3,041.1	-1,080.1	3,138.6	0.00	0.00	0.00
12,800.0	90.29	359.89	9,719.3	3,141.1	-1,080.3	3,238.1	0.00	0.00	0.00
12,900.0	90.29	359.89	9,718.8	3,241.1	-1,080.5	3,337.5	0.00	0.00	0.00
13,000.0	90.29	359.89	9,718.3	3,341.1	-1,080.7	3,437.0	0.00	0.00	0.00
13,100.0	90.29	359.89	9,717.8	3,441.1	-1,080.8	3,536.4	0.00	0.00	0.00
13,200.0	90.29	359.89	9,717.3	3,541.1	-1,081.0	3,635.9	0.00	0.00	0.00
13,300.0	90.29	359.89	9,716.8	3,641.1	-1,081.2	3,735.4	0.00	0.00	0.00
13,400.0	90.29	359.89	9,716.3	3,741.1	-1,081.4	3,834.8	0.00	0.00	0.00
13,500.0	90.29	359.89	9,715.8	3,841.1	-1,081.6	3,934.3	0.00	0.00	0.00
13,600.0	90.29	359.89	9,715.3	3,941.1	-1,081.8	4,033.7	0.00	0.00	0.00
13,700.0	90.29	359.89	9,714.7	4,041.1	-1,082.0	4,133.2	0.00	0.00	0.00
13,800.0	90.29	359.89	9,714.2	4,141.1	-1,082.2	4,232.6	0.00	0.00	0.00
13,900.0	90.29	359.89	9,713.7	4,241.1	-1,082.4	4,332.1	0.00	0.00	0.00
14,000.0	90.29	359.89	9,713.2	4,341.1	-1,082.6	4,431.5	0.00	0.00	0.00
14,100.0	90.29	359.89	9,712.7	4,441.1	-1,082.8	4,531.0	0.00	0.00	0.00
14,200.0	90.29	359.89	9,712.2	4,541.1	-1,083.0	4,630.4	0.00	0.00	0.00
14,300.0	90.29	359.89	9,711.7	4,641.1	-1,083.2	4,729.9	0.00	0.00	0.00
14,400.0	90.29	359.89	9,711.2	4,741.1	-1,083.4	4,829.3	0.00	0.00	0.00
14,500.0	90.29	359.89	9,710.7	4,841.1	-1,083.6	4,928.8	0.00	0.00	0.00
14,600.0	90.29	359.89	9,710.1	4,941.1	-1,083.7	5,028.3	0.00	0.00	0.00
14,700.0	90.29	359.89	9,709.6	5,041.1	-1,083.9	5,127.7	0.00	0.00	0.00
14,800.0	90.29	359.89	9,709.1	5,141.1	-1,084.1	5,227.2	0.00	0.00	0.00
14,900.0	90.29	359.89	9,708.6	5,241.1	-1,084.3	5,326.6	0.00	0.00	0.00

Planning Report

Database: Hobbs
 Company: Mewbourne Oil Company
 Project: Eddy County, New Mexico NAD 83
 Site: Creedence 21/16 W1OB Fed Com #1H
 Well: Sec 21, T24S, R28E
 Wellbore: BHL: 330' FNL & 2310' FEL, Sec 16
 Design: Design #1

Local Co-ordinate Reference: Site Creedence 21/16 W1OB Fed Com #1H
 TVD Reference: WELL @ 3033.0usft (Original Well Elev)
 MD Reference: WELL @ 3033.0usft (Original Well Elev)
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
15,000.0	90.29	359.89	9,708.1	5,341.1	-1,084.5	5,426.1	0.00	0.00	0.00
15,100.0	90.29	359.89	9,707.6	5,441.1	-1,084.7	5,525.5	0.00	0.00	0.00
15,200.0	90.29	359.89	9,707.1	5,541.1	-1,084.9	5,625.0	0.00	0.00	0.00
15,300.0	90.29	359.89	9,706.6	5,641.1	-1,085.1	5,724.4	0.00	0.00	0.00
15,400.0	90.29	359.89	9,706.0	5,741.1	-1,085.3	5,823.9	0.00	0.00	0.00
15,500.0	90.29	359.89	9,705.5	5,841.1	-1,085.5	5,923.3	0.00	0.00	0.00
15,600.0	90.29	359.89	9,705.0	5,941.1	-1,085.7	6,022.8	0.00	0.00	0.00
15,700.0	90.29	359.89	9,704.5	6,041.1	-1,085.9	6,122.2	0.00	0.00	0.00
15,800.0	90.29	359.89	9,704.0	6,141.1	-1,086.1	6,221.7	0.00	0.00	0.00
15,900.0	90.29	359.89	9,703.5	6,241.1	-1,086.3	6,321.2	0.00	0.00	0.00
16,000.0	90.29	359.89	9,703.0	6,341.1	-1,086.5	6,420.6	0.00	0.00	0.00
16,100.0	90.29	359.89	9,702.5	6,441.1	-1,086.6	6,520.1	0.00	0.00	0.00
16,200.0	90.29	359.89	9,702.0	6,541.1	-1,086.8	6,619.5	0.00	0.00	0.00
16,300.0	90.29	359.89	9,701.4	6,641.1	-1,087.0	6,719.0	0.00	0.00	0.00
16,400.0	90.29	359.89	9,700.9	6,741.1	-1,087.2	6,818.4	0.00	0.00	0.00
16,500.0	90.29	359.89	9,700.4	6,841.1	-1,087.4	6,917.9	0.00	0.00	0.00
16,600.0	90.29	359.89	9,699.9	6,941.1	-1,087.6	7,017.3	0.00	0.00	0.00
16,700.0	90.29	359.89	9,699.4	7,041.1	-1,087.8	7,116.8	0.00	0.00	0.00
16,800.0	90.29	359.89	9,698.9	7,141.1	-1,088.0	7,216.2	0.00	0.00	0.00
16,900.0	90.29	359.89	9,698.4	7,241.1	-1,088.2	7,315.7	0.00	0.00	0.00
17,000.0	90.29	359.89	9,697.9	7,341.1	-1,088.4	7,415.1	0.00	0.00	0.00
17,100.0	90.29	359.89	9,697.4	7,441.1	-1,088.6	7,514.6	0.00	0.00	0.00
17,200.0	90.29	359.89	9,696.8	7,541.1	-1,088.8	7,614.1	0.00	0.00	0.00
17,300.0	90.29	359.89	9,696.3	7,641.1	-1,089.0	7,713.5	0.00	0.00	0.00
17,400.0	90.29	359.89	9,695.8	7,741.1	-1,089.2	7,813.0	0.00	0.00	0.00
17,500.0	90.29	359.89	9,695.3	7,841.1	-1,089.4	7,912.4	0.00	0.00	0.00
17,600.0	90.29	359.89	9,694.8	7,941.1	-1,089.5	8,011.9	0.00	0.00	0.00
17,700.0	90.29	359.89	9,694.3	8,041.1	-1,089.7	8,111.3	0.00	0.00	0.00
17,800.0	90.29	359.89	9,693.8	8,141.1	-1,089.9	8,210.8	0.00	0.00	0.00
17,900.0	90.29	359.89	9,693.3	8,241.1	-1,090.1	8,310.2	0.00	0.00	0.00
18,000.0	90.29	359.89	9,692.7	8,341.1	-1,090.3	8,409.7	0.00	0.00	0.00
18,100.0	90.29	359.89	9,692.2	8,441.1	-1,090.5	8,509.1	0.00	0.00	0.00
18,200.0	90.29	359.89	9,691.7	8,541.1	-1,090.7	8,608.6	0.00	0.00	0.00
18,300.0	90.29	359.89	9,691.2	8,641.1	-1,090.9	8,708.0	0.00	0.00	0.00
18,400.0	90.29	359.89	9,690.7	8,741.1	-1,091.1	8,807.5	0.00	0.00	0.00
18,500.0	90.29	359.89	9,690.2	8,841.1	-1,091.3	8,907.0	0.00	0.00	0.00
18,600.0	90.29	359.89	9,689.7	8,941.1	-1,091.5	9,006.4	0.00	0.00	0.00
18,700.0	90.29	359.89	9,689.2	9,041.1	-1,091.7	9,105.9	0.00	0.00	0.00
18,800.0	90.29	359.89	9,688.7	9,141.1	-1,091.9	9,205.3	0.00	0.00	0.00
18,900.0	90.29	359.89	9,688.1	9,241.1	-1,092.1	9,304.8	0.00	0.00	0.00
19,000.0	90.29	359.89	9,687.6	9,341.1	-1,092.3	9,404.2	0.00	0.00	0.00
19,100.0	90.29	359.89	9,687.1	9,441.1	-1,092.4	9,503.7	0.00	0.00	0.00
19,200.0	90.29	359.89	9,686.6	9,541.0	-1,092.6	9,603.1	0.00	0.00	0.00
19,300.0	90.29	359.89	9,686.1	9,641.0	-1,092.8	9,702.6	0.00	0.00	0.00
19,400.0	90.29	359.89	9,685.6	9,741.0	-1,093.0	9,802.0	0.00	0.00	0.00
19,500.0	90.29	359.89	9,685.1	9,841.0	-1,093.2	9,901.5	0.00	0.00	0.00
19,600.0	90.29	359.89	9,684.6	9,941.0	-1,093.4	10,000.9	0.00	0.00	0.00
19,700.0	90.29	359.89	9,684.0	10,041.0	-1,093.6	10,100.4	0.00	0.00	0.00
19,800.0	90.29	359.89	9,683.5	10,141.0	-1,093.8	10,199.9	0.00	0.00	0.00
19,900.0	90.29	359.89	9,683.0	10,241.0	-1,094.0	10,299.3	0.00	0.00	0.00
19,905.0	90.29	359.89	9,683.0	10,246.0	-1,094.0	10,304.2	0.00	0.00	0.00

BHL: 330' FNL & 2310' FEL (Sec 16)

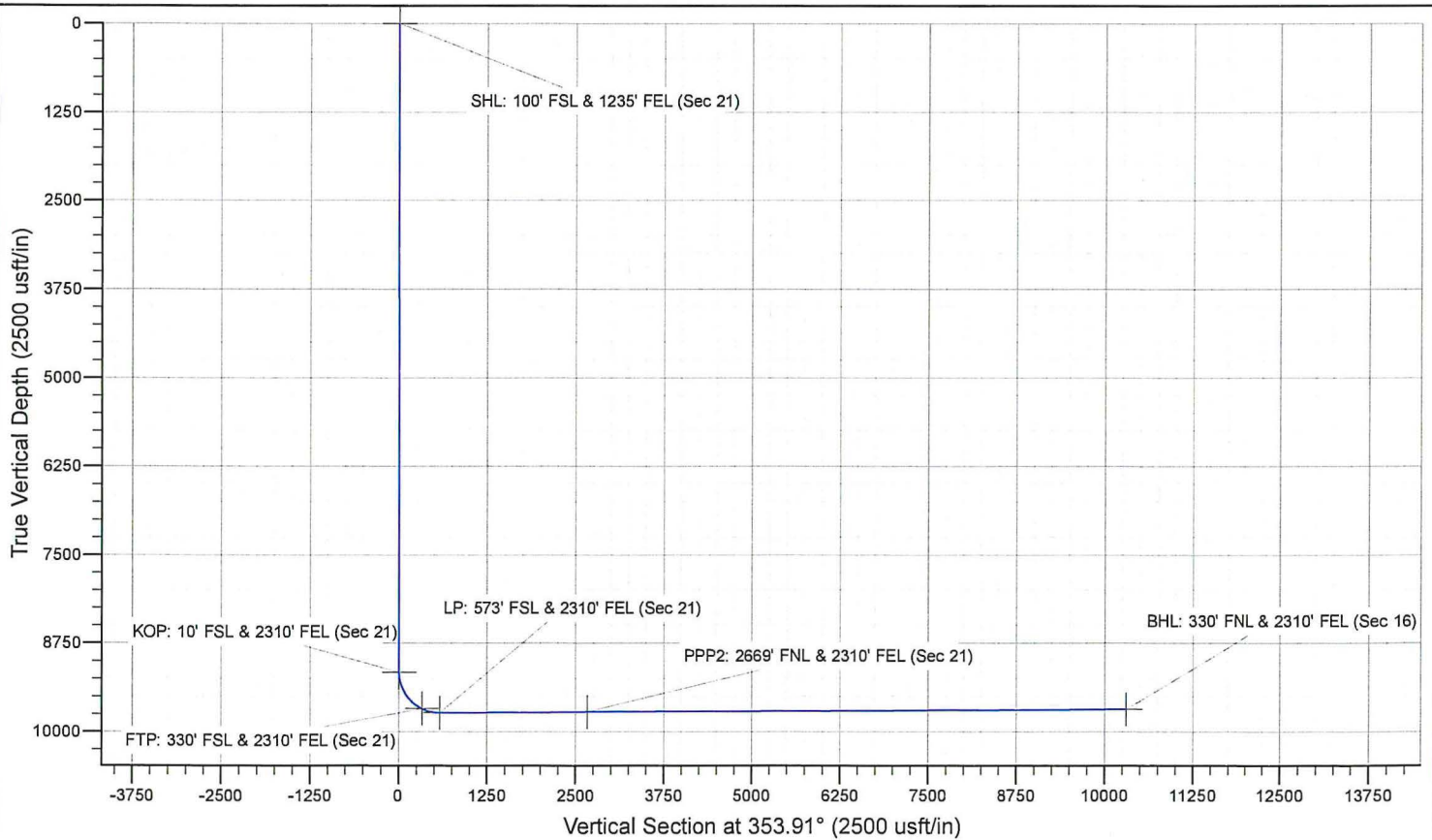
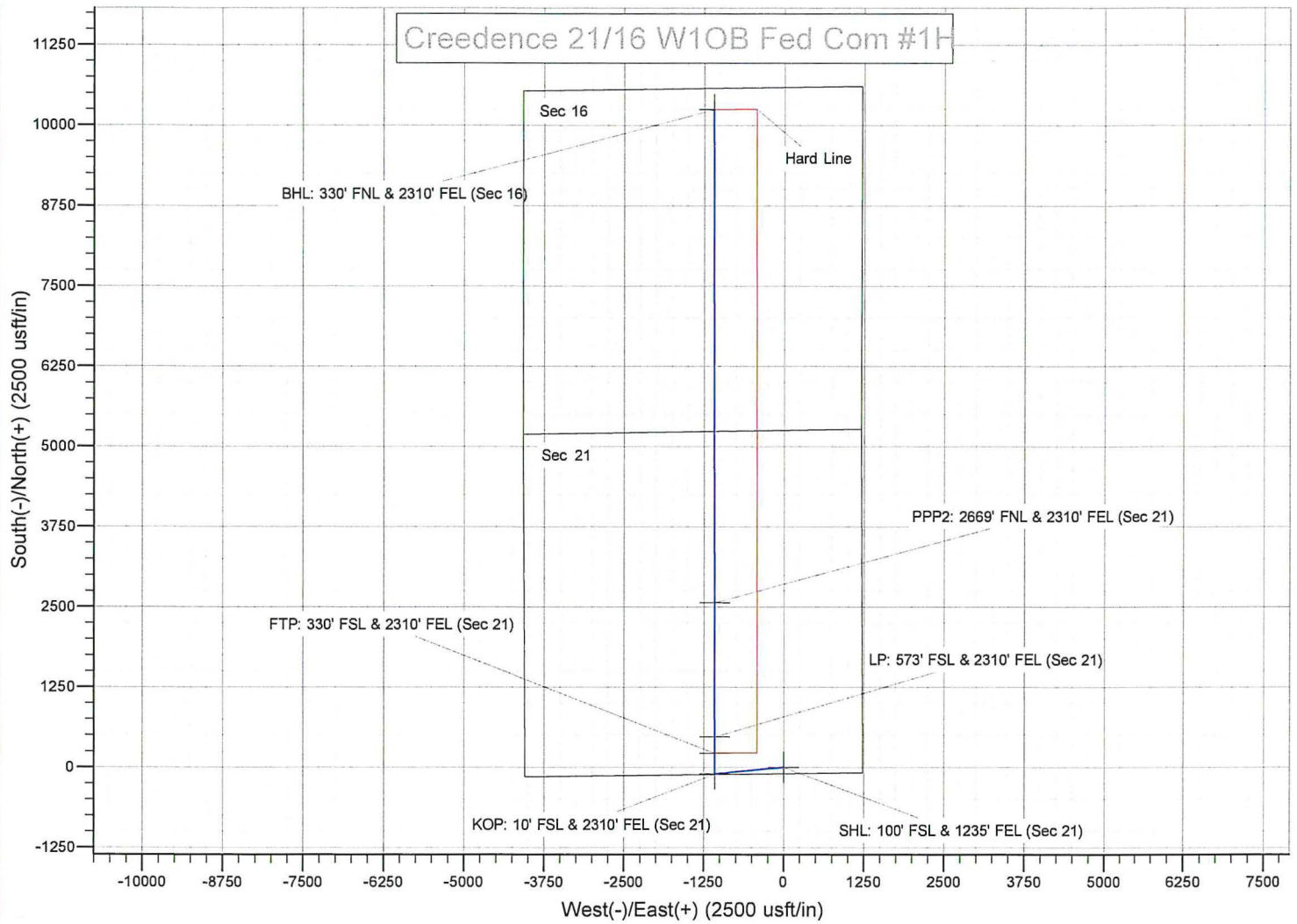
Planning Report

Database: Hobbs
Company: Mewbourne Oil Company
Project: Eddy County, New Mexico NAD 83
Site: Creedence 21/16 W1OB Fed Com #1H
Well: Sec 21, T24S, R28E
Wellbore: BHL: 330' FNL & 2310' FEL, Sec 16
Design: Design #1

Local Co-ordinate Reference: Site Creedence 21/16 W1OB Fed Com #1H
TVD Reference: WELL @ 3033.0usft (Original Well Elev)
MD Reference: WELL @ 3033.0usft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Design Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
SHL: 100' FSL & 1235' F - plan hits target center - Point	0.00	0.00	0.0	0.0	0.0	435,222.00	617,199.00	32.1962648	-104.0880859
KOP: 10' FSL & 2310' FI - plan hits target center - Point	0.00	0.00	9,160.0	-103.0	-1,074.0	435,119.00	616,125.00	32.1959883	-104.0915586
FTP: 330' FSL & 2310' F - plan hits target center - Point	0.00	0.00	9,674.1	217.0	-1,074.6	435,439.00	616,124.39	32.1968680	-104.0915583
BHL: 330' FNL & 2310' F - plan hits target center - Point	0.00	0.00	9,683.0	10,246.0	-1,094.0	445,468.00	616,105.00	32.2244367	-104.0915480
PPP2: 2669' FNL & 2310' F - plan hits target center - Point	0.00	0.00	9,722.3	2,569.0	-1,079.2	437,791.00	616,119.84	32.2033334	-104.0915559
LP: 573' FSL & 2310' FE - plan hits target center - Point	0.00	0.00	9,733.0	472.9	-1,075.1	435,694.90	616,123.90	32.1975714	-104.0915580

Creedence 21/16 W1OB Fed Com #1H



Mewbourne Oil Company

Eddy County, New Mexico NAD 83

Creedence 21/16 W1PA Fed Com #2H

Sec 21, T24S, R28E

SHL: 100' FSL & 1175' FEL, Sec 21

BHL: 330' FNL & 990' FEL, Sec 16

Plan: Design #1

Standard Planning Report

30 March, 2020

Planning Report

Database: Hobbs
Company: Mewbourne Oil Company
Project: Eddy County, New Mexico NAD 83
Site: Creedence 21/16 W1PA Fed Com #2H
Well: Sec 21, T24S, R28E
Wellbore: BHL: 330' FNL & 990' FEL, Sec 16
Design: Design #1

Local Co-ordinate Reference: Site Creedence 21/16 W1PA Fed Com #2H
TVD Reference: WELL @ 3033.0usft (Original Well Elev)
MD Reference: WELL @ 3033.0usft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Project Eddy County, New Mexico NAD 83
Map System: US State Plane 1983 **System Datum:** Ground Level
Geo Datum: North American Datum 1983
Map Zone: New Mexico Eastern Zone

Site Creedence 21/16 W1PA Fed Com #2H
Site Position: **Map** **Northing:** 435,223.00 usft **Latitude:** 32.1962672
From: **Easting:** 617,259.00 usft **Longitude:** -104.0878919
Position Uncertainty: 0.0 usft **Slot Radius:** 13-3/16" **Grid Convergence:** 0.13 °

Well Sec 21, T24S, R28E
Well Position **+N/-S** 0.0 usft **Northing:** 435,223.00 usft **Latitude:** 32.1962672
+E/-W 0.0 usft **Easting:** 617,259.00 usft **Longitude:** -104.0878919
Position Uncertainty 0.0 usft **Wellhead Elevation:** 3,033.0 usft **Ground Level:** 3,005.0 usft

Wellbore BHL: 330' FNL & 990' FEL, Sec 16
Magnetics **Model Name** **Sample Date** **Declination** **Dip Angle** **Field Strength**
 (°) (°) (nT)
 IGRF2010 12/31/2014 7.38 59.99 48,167

Design Design #1
Audit Notes:
Version: **Phase:** PROTOTYPE **Tie On Depth:** 0.0
Vertical Section: **Depth From (TVD)** **+N/-S** **+E/-W** **Direction**
 (usft) (usft) (usft) (°)
 0.0 0.0 0.0 0.93

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

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Creedence 21/16 W1PA Fed Com #2H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3033.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3033.0usft (Original Well Elev)
Site:	Creedence 21/16 W1PA Fed Com #2H	North Reference:	Grid
Well:	Sec 21, T24S, R28E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 330' FNL & 990' FEL, Sec 16		
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: 100' FSL & 1175' FEL (Sec 21)									
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
490.2	1.35	115.07	490.2	-0.5	1.0	-0.4	1.50	1.50	0.00
500.0	1.35	115.07	500.0	-0.5	1.2	-0.5	0.00	0.00	0.00
600.0	1.35	115.07	600.0	-1.6	3.3	-1.5	0.00	0.00	0.00
700.0	1.35	115.07	699.9	-2.6	5.5	-2.5	0.00	0.00	0.00
800.0	1.35	115.07	799.9	-3.6	7.6	-3.4	0.00	0.00	0.00
900.0	1.35	115.07	899.9	-4.6	9.7	-4.4	0.00	0.00	0.00
1,000.0	1.35	115.07	999.8	-5.6	11.9	-5.4	0.00	0.00	0.00
1,100.0	1.35	115.07	1,099.8	-6.6	14.0	-6.3	0.00	0.00	0.00
1,200.0	1.35	115.07	1,199.8	-7.6	16.2	-7.3	0.00	0.00	0.00
1,300.0	1.35	115.07	1,299.8	-8.6	18.3	-8.3	0.00	0.00	0.00
1,400.0	1.35	115.07	1,399.7	-9.6	20.4	-9.2	0.00	0.00	0.00
1,500.0	1.35	115.07	1,499.7	-10.6	22.6	-10.2	0.00	0.00	0.00
1,600.0	1.35	115.07	1,599.7	-11.6	24.7	-11.2	0.00	0.00	0.00
1,700.0	1.35	115.07	1,699.7	-12.6	26.9	-12.1	0.00	0.00	0.00
1,800.0	1.35	115.07	1,799.6	-13.6	29.0	-13.1	0.00	0.00	0.00
1,900.0	1.35	115.07	1,899.6	-14.6	31.1	-14.1	0.00	0.00	0.00
2,000.0	1.35	115.07	1,999.6	-15.6	33.3	-15.0	0.00	0.00	0.00
2,100.0	1.35	115.07	2,099.5	-16.6	35.4	-16.0	0.00	0.00	0.00
2,200.0	1.35	115.07	2,199.5	-17.6	37.6	-17.0	0.00	0.00	0.00
2,300.0	1.35	115.07	2,299.5	-18.6	39.7	-17.9	0.00	0.00	0.00
2,400.0	1.35	115.07	2,399.5	-19.6	41.8	-18.9	0.00	0.00	0.00
2,500.0	1.35	115.07	2,499.4	-20.6	44.0	-19.9	0.00	0.00	0.00
2,600.0	1.35	115.07	2,599.4	-21.6	46.1	-20.8	0.00	0.00	0.00
2,700.0	1.35	115.07	2,699.4	-22.6	48.3	-21.8	0.00	0.00	0.00
2,800.0	1.35	115.07	2,799.3	-23.6	50.4	-22.8	0.00	0.00	0.00
2,900.0	1.35	115.07	2,899.3	-24.6	52.5	-23.7	0.00	0.00	0.00
3,000.0	1.35	115.07	2,999.3	-25.6	54.7	-24.7	0.00	0.00	0.00
3,100.0	1.35	115.07	3,099.3	-26.6	56.8	-25.7	0.00	0.00	0.00
3,200.0	1.35	115.07	3,199.2	-27.6	59.0	-26.6	0.00	0.00	0.00
3,300.0	1.35	115.07	3,299.2	-28.6	61.1	-27.6	0.00	0.00	0.00
3,400.0	1.35	115.07	3,399.2	-29.6	63.2	-28.5	0.00	0.00	0.00
3,500.0	1.35	115.07	3,499.2	-30.6	65.4	-29.5	0.00	0.00	0.00
3,600.0	1.35	115.07	3,599.1	-31.6	67.5	-30.5	0.00	0.00	0.00
3,700.0	1.35	115.07	3,699.1	-32.6	69.6	-31.4	0.00	0.00	0.00
3,800.0	1.35	115.07	3,799.1	-33.6	71.8	-32.4	0.00	0.00	0.00
3,900.0	1.35	115.07	3,899.0	-34.6	73.9	-33.4	0.00	0.00	0.00
4,000.0	1.35	115.07	3,999.0	-35.6	76.1	-34.3	0.00	0.00	0.00
4,100.0	1.35	115.07	4,099.0	-36.6	78.2	-35.3	0.00	0.00	0.00
4,200.0	1.35	115.07	4,199.0	-37.6	80.3	-36.3	0.00	0.00	0.00
4,300.0	1.35	115.07	4,298.9	-38.6	82.5	-37.2	0.00	0.00	0.00
4,400.0	1.35	115.07	4,398.9	-39.6	84.6	-38.2	0.00	0.00	0.00
4,500.0	1.35	115.07	4,498.9	-40.6	86.8	-39.2	0.00	0.00	0.00
4,600.0	1.35	115.07	4,598.8	-41.6	88.9	-40.1	0.00	0.00	0.00
4,700.0	1.35	115.07	4,698.8	-42.6	91.0	-41.1	0.00	0.00	0.00
4,800.0	1.35	115.07	4,798.8	-43.6	93.2	-42.1	0.00	0.00	0.00
4,900.0	1.35	115.07	4,898.8	-44.6	95.3	-43.0	0.00	0.00	0.00
5,000.0	1.35	115.07	4,998.7	-45.6	97.5	-44.0	0.00	0.00	0.00
5,100.0	1.35	115.07	5,098.7	-46.6	99.6	-45.0	0.00	0.00	0.00

Planning Report

Database: Hobbs
 Company: Mewbourne Oil Company
 Project: Eddy County, New Mexico NAD 83
 Site: Creedence 21/16 W1PA Fed Com #2H
 Well: Sec 21, T24S, R28E
 Wellbore: BHL: 330' FNL & 990' FEL, Sec 16
 Design: Design #1

Local Co-ordinate Reference:
 TVD Reference:
 MD Reference:
 North Reference:
 Survey Calculation Method:

Site Creedence 21/16 W1PA Fed Com #2H
 WELL @ 3033.0usft (Original Well Elev)
 WELL @ 3033.0usft (Original Well Elev)
 Grid
 Minimum Curvature

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,200.0	1.35	115.07	5,198.7	-47.6	101.7	-45.9	0.00	0.00	0.00
5,300.0	1.35	115.07	5,298.6	-48.6	103.9	-46.9	0.00	0.00	0.00
5,400.0	1.35	115.07	5,398.6	-49.6	106.0	-47.9	0.00	0.00	0.00
5,500.0	1.35	115.07	5,498.6	-50.6	108.2	-48.8	0.00	0.00	0.00
5,600.0	1.35	115.07	5,598.6	-51.6	110.3	-49.8	0.00	0.00	0.00
5,700.0	1.35	115.07	5,698.5	-52.6	112.4	-50.8	0.00	0.00	0.00
5,800.0	1.35	115.07	5,798.5	-53.6	114.6	-51.7	0.00	0.00	0.00
5,900.0	1.35	115.07	5,898.5	-54.6	116.7	-52.7	0.00	0.00	0.00
6,000.0	1.35	115.07	5,998.5	-55.6	118.9	-53.7	0.00	0.00	0.00
6,100.0	1.35	115.07	6,098.4	-56.6	121.0	-54.6	0.00	0.00	0.00
6,200.0	1.35	115.07	6,198.4	-57.6	123.1	-55.6	0.00	0.00	0.00
6,300.0	1.35	115.07	6,298.4	-58.6	125.3	-56.6	0.00	0.00	0.00
6,400.0	1.35	115.07	6,398.3	-59.6	127.4	-57.5	0.00	0.00	0.00
6,500.0	1.35	115.07	6,498.3	-60.6	129.6	-58.5	0.00	0.00	0.00
6,600.0	1.35	115.07	6,598.3	-61.6	131.7	-59.5	0.00	0.00	0.00
6,700.0	1.35	115.07	6,698.3	-62.6	133.8	-60.4	0.00	0.00	0.00
6,800.0	1.35	115.07	6,798.2	-63.6	136.0	-61.4	0.00	0.00	0.00
6,900.0	1.35	115.07	6,898.2	-64.6	138.1	-62.4	0.00	0.00	0.00
7,000.0	1.35	115.07	6,998.2	-65.6	140.3	-63.3	0.00	0.00	0.00
7,100.0	1.35	115.07	7,098.1	-66.6	142.4	-64.3	0.00	0.00	0.00
7,200.0	1.35	115.07	7,198.1	-67.6	144.5	-65.3	0.00	0.00	0.00
7,300.0	1.35	115.07	7,298.1	-68.6	146.7	-66.2	0.00	0.00	0.00
7,400.0	1.35	115.07	7,398.1	-69.6	148.8	-67.2	0.00	0.00	0.00
7,500.0	1.35	115.07	7,498.0	-70.6	151.0	-68.2	0.00	0.00	0.00
7,600.0	1.35	115.07	7,598.0	-71.6	153.1	-69.1	0.00	0.00	0.00
7,700.0	1.35	115.07	7,698.0	-72.6	155.2	-70.1	0.00	0.00	0.00
7,800.0	1.35	115.07	7,798.0	-73.6	157.4	-71.1	0.00	0.00	0.00
7,900.0	1.35	115.07	7,897.9	-74.6	159.5	-72.0	0.00	0.00	0.00
8,000.0	1.35	115.07	7,997.9	-75.6	161.7	-73.0	0.00	0.00	0.00
8,100.0	1.35	115.07	8,097.9	-76.6	163.8	-74.0	0.00	0.00	0.00
8,200.0	1.35	115.07	8,197.8	-77.6	165.9	-74.9	0.00	0.00	0.00
8,300.0	1.35	115.07	8,297.8	-78.6	168.1	-75.9	0.00	0.00	0.00
8,400.0	1.35	115.07	8,397.8	-79.6	170.2	-76.9	0.00	0.00	0.00
8,500.0	1.35	115.07	8,497.8	-80.6	172.4	-77.8	0.00	0.00	0.00
8,600.0	1.35	115.07	8,597.7	-81.6	174.5	-78.8	0.00	0.00	0.00
8,700.0	1.35	115.07	8,697.7	-82.6	176.6	-79.8	0.00	0.00	0.00
8,800.0	1.35	115.07	8,797.7	-83.6	178.8	-80.7	0.00	0.00	0.00
8,900.0	1.35	115.07	8,897.6	-84.6	180.9	-81.7	0.00	0.00	0.00
9,000.0	1.35	115.07	8,997.6	-85.6	183.1	-82.7	0.00	0.00	0.00
9,092.2	1.35	115.07	9,089.8	-86.5	185.0	-83.5	0.00	0.00	0.00
9,100.0	1.24	115.07	9,097.6	-86.6	185.2	-83.6	1.50	-1.50	0.00
9,182.4	0.00	0.00	9,180.0	-87.0	186.0	-84.0	1.50	-1.50	0.00
KOP: 10' FSL & 990' FEL (Sec 21)									
9,200.0	1.76	359.89	9,197.6	-86.7	186.0	-83.7	10.00	10.00	0.00
9,300.0	11.76	359.89	9,296.8	-75.0	186.0	-72.0	10.00	10.00	0.00
9,400.0	21.76	359.89	9,392.4	-46.2	185.9	-43.2	10.00	10.00	0.00
9,500.0	31.76	359.89	9,481.6	-1.2	185.8	1.8	10.00	10.00	0.00
9,600.0	41.75	359.89	9,561.6	58.5	185.7	61.5	10.00	10.00	0.00
9,700.0	51.75	359.89	9,630.0	131.3	185.6	134.3	10.00	10.00	0.00
9,800.0	61.75	359.89	9,684.8	214.8	185.4	217.8	10.00	10.00	0.00
9,820.4	63.80	359.89	9,694.1	233.0	185.4	235.9	10.00	10.00	0.00
FTP: 330' FSL & 990' FEL (Sec 21)									
9,900.0	71.75	359.89	9,724.2	306.6	185.2	309.5	10.00	10.00	0.00
10,000.0	81.75	359.89	9,747.1	403.8	185.1	406.7	10.00	10.00	0.00

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Creedence 21/16 W1PA Fed Com #2H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3033.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3033.0usft (Original Well Elev)
Site:	Creedence 21/16 W1PA Fed Com #2H	North Reference:	Grid
Well:	Sec 21, T24S, R28E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 330' FNL & 990' FEL, Sec 16		
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)
10,085.4	90.29	359.89	9,753.0	488.9	184.9	491.8	10.00	10.00	0.00
LP: 589' FSL & 990' FEL (Sec 21)									
10,100.0	90.29	359.89	9,752.9	503.5	184.9	506.4	0.03	0.03	0.00
10,200.0	90.29	359.89	9,752.4	603.5	184.7	606.4	0.00	0.00	0.00
10,300.0	90.29	359.89	9,751.9	703.5	184.5	706.4	0.00	0.00	0.00
10,400.0	90.29	359.89	9,751.4	803.5	184.3	806.4	0.00	0.00	0.00
10,500.0	90.29	359.89	9,750.9	903.5	184.1	906.4	0.00	0.00	0.00
10,600.0	90.29	359.89	9,750.4	1,003.5	183.9	1,006.3	0.00	0.00	0.00
10,700.0	90.29	359.89	9,749.9	1,103.5	183.7	1,106.3	0.00	0.00	0.00
10,800.0	90.29	359.89	9,749.3	1,203.5	183.5	1,206.3	0.00	0.00	0.00
10,843.5	90.29	359.89	9,749.1	1,247.0	183.4	1,249.8	0.00	0.00	0.00
PPP2: 1344' FSL & 990' FEL (Sec 21)									
10,900.0	90.29	359.89	9,748.8	1,303.5	183.3	1,306.3	0.00	0.00	0.00
11,000.0	90.29	359.89	9,748.3	1,403.5	183.1	1,406.3	0.00	0.00	0.00
11,100.0	90.29	359.89	9,747.8	1,503.5	182.9	1,506.3	0.00	0.00	0.00
11,200.0	90.29	359.89	9,747.3	1,603.5	182.7	1,606.2	0.00	0.00	0.00
11,300.0	90.29	359.89	9,746.8	1,703.5	182.5	1,706.2	0.00	0.00	0.00
11,400.0	90.29	359.89	9,746.3	1,803.5	182.3	1,806.2	0.00	0.00	0.00
11,500.0	90.29	359.89	9,745.8	1,903.5	182.2	1,906.2	0.00	0.00	0.00
11,600.0	90.29	359.89	9,745.3	2,003.5	182.0	2,006.2	0.00	0.00	0.00
11,700.0	90.29	359.89	9,744.7	2,103.5	181.8	2,106.2	0.00	0.00	0.00
11,800.0	90.29	359.89	9,744.2	2,203.5	181.6	2,206.1	0.00	0.00	0.00
11,900.0	90.29	359.89	9,743.7	2,303.5	181.4	2,306.1	0.00	0.00	0.00
12,000.0	90.29	359.89	9,743.2	2,403.5	181.2	2,406.1	0.00	0.00	0.00
12,100.0	90.29	359.89	9,742.7	2,503.5	181.0	2,506.1	0.00	0.00	0.00
12,185.5	90.29	359.89	9,742.3	2,589.0	180.8	2,591.6	0.00	0.00	0.00
PPP3: 2667' FNL & 990' FEL (Sec 21)									
12,200.0	90.29	359.89	9,742.2	2,603.5	180.8	2,606.1	0.00	0.00	0.00
12,300.0	90.29	359.89	9,741.7	2,703.5	180.6	2,706.0	0.00	0.00	0.00
12,400.0	90.29	359.89	9,741.2	2,803.5	180.4	2,806.0	0.00	0.00	0.00
12,500.0	90.29	359.89	9,740.6	2,903.5	180.2	2,906.0	0.00	0.00	0.00
12,600.0	90.29	359.89	9,740.1	3,003.5	180.0	3,006.0	0.00	0.00	0.00
12,700.0	90.29	359.89	9,739.6	3,103.5	179.8	3,106.0	0.00	0.00	0.00
12,800.0	90.29	359.89	9,739.1	3,203.5	179.6	3,206.0	0.00	0.00	0.00
12,900.0	90.29	359.89	9,738.6	3,303.5	179.4	3,305.9	0.00	0.00	0.00
13,000.0	90.29	359.89	9,738.1	3,403.5	179.3	3,405.9	0.00	0.00	0.00
13,100.0	90.29	359.89	9,737.6	3,503.5	179.1	3,505.9	0.00	0.00	0.00
13,200.0	90.29	359.89	9,737.1	3,603.5	178.9	3,605.9	0.00	0.00	0.00
13,300.0	90.29	359.89	9,736.6	3,703.5	178.7	3,705.9	0.00	0.00	0.00
13,400.0	90.29	359.89	9,736.0	3,803.5	178.5	3,805.9	0.00	0.00	0.00
13,500.0	90.29	359.89	9,735.5	3,903.5	178.3	3,905.8	0.00	0.00	0.00
13,600.0	90.29	359.89	9,735.0	4,003.5	178.1	4,005.8	0.00	0.00	0.00
13,700.0	90.29	359.89	9,734.5	4,103.5	177.9	4,105.8	0.00	0.00	0.00
13,800.0	90.29	359.89	9,734.0	4,203.5	177.7	4,205.8	0.00	0.00	0.00
13,900.0	90.29	359.89	9,733.5	4,303.5	177.5	4,305.8	0.00	0.00	0.00
14,000.0	90.29	359.89	9,733.0	4,403.5	177.3	4,405.7	0.00	0.00	0.00
14,100.0	90.29	359.89	9,732.5	4,503.5	177.1	4,505.7	0.00	0.00	0.00
14,200.0	90.29	359.89	9,732.0	4,603.4	176.9	4,605.7	0.00	0.00	0.00
14,300.0	90.29	359.89	9,731.4	4,703.4	176.7	4,705.7	0.00	0.00	0.00
14,400.0	90.29	359.89	9,730.9	4,803.4	176.5	4,805.7	0.00	0.00	0.00
14,500.0	90.29	359.89	9,730.4	4,903.4	176.4	4,905.7	0.00	0.00	0.00
14,600.0	90.29	359.89	9,729.9	5,003.4	176.2	5,005.6	0.00	0.00	0.00
14,700.0	90.29	359.89	9,729.4	5,103.4	176.0	5,105.6	0.00	0.00	0.00

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Creedence 21/16 W1PA Fed Com #2H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3033.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3033.0usft (Original Well Elev)
Site:	Creedence 21/16 W1PA Fed Com #2H	North Reference:	Grid
Well:	Sec 21, T24S, R28E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 330' FNL & 990' FEL, Sec 16		
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)
14,800.0	90.29	359.89	9,728.9	5,203.4	175.8	5,205.6	0.00	0.00	0.00
14,900.0	90.29	359.89	9,728.4	5,303.4	175.6	5,305.6	0.00	0.00	0.00
15,000.0	90.29	359.89	9,727.9	5,403.4	175.4	5,405.6	0.00	0.00	0.00
15,100.0	90.29	359.89	9,727.3	5,503.4	175.2	5,505.5	0.00	0.00	0.00
15,200.0	90.29	359.89	9,726.8	5,603.4	175.0	5,605.5	0.00	0.00	0.00
15,300.0	90.29	359.89	9,726.3	5,703.4	174.8	5,705.5	0.00	0.00	0.00
15,400.0	90.29	359.89	9,725.8	5,803.4	174.6	5,805.5	0.00	0.00	0.00
15,500.0	90.29	359.89	9,725.3	5,903.4	174.4	5,905.5	0.00	0.00	0.00
15,600.0	90.29	359.89	9,724.8	6,003.4	174.2	6,005.5	0.00	0.00	0.00
15,700.0	90.29	359.89	9,724.3	6,103.4	174.0	6,105.4	0.00	0.00	0.00
15,800.0	90.29	359.89	9,723.8	6,203.4	173.8	6,205.4	0.00	0.00	0.00
15,900.0	90.29	359.89	9,723.3	6,303.4	173.7	6,305.4	0.00	0.00	0.00
16,000.0	90.29	359.89	9,722.7	6,403.4	173.5	6,405.4	0.00	0.00	0.00
16,100.0	90.29	359.89	9,722.2	6,503.4	173.3	6,505.4	0.00	0.00	0.00
16,200.0	90.29	359.89	9,721.7	6,603.4	173.1	6,605.4	0.00	0.00	0.00
16,300.0	90.29	359.89	9,721.2	6,703.4	172.9	6,705.3	0.00	0.00	0.00
16,400.0	90.29	359.89	9,720.7	6,803.4	172.7	6,805.3	0.00	0.00	0.00
16,500.0	90.29	359.89	9,720.2	6,903.4	172.5	6,905.3	0.00	0.00	0.00
16,600.0	90.29	359.89	9,719.7	7,003.4	172.3	7,005.3	0.00	0.00	0.00
16,700.0	90.29	359.89	9,719.2	7,103.4	172.1	7,105.3	0.00	0.00	0.00
16,800.0	90.29	359.89	9,718.7	7,203.4	171.9	7,205.2	0.00	0.00	0.00
16,900.0	90.29	359.89	9,718.1	7,303.4	171.7	7,305.2	0.00	0.00	0.00
17,000.0	90.29	359.89	9,717.6	7,403.4	171.5	7,405.2	0.00	0.00	0.00
17,100.0	90.29	359.89	9,717.1	7,503.4	171.3	7,505.2	0.00	0.00	0.00
17,200.0	90.29	359.89	9,716.6	7,603.4	171.1	7,605.2	0.00	0.00	0.00
17,300.0	90.29	359.89	9,716.1	7,703.4	170.9	7,705.2	0.00	0.00	0.00
17,400.0	90.29	359.89	9,715.6	7,803.4	170.8	7,805.1	0.00	0.00	0.00
17,500.0	90.29	359.89	9,715.1	7,903.4	170.6	7,905.1	0.00	0.00	0.00
17,600.0	90.29	359.89	9,714.6	8,003.4	170.4	8,005.1	0.00	0.00	0.00
17,700.0	90.29	359.89	9,714.0	8,103.4	170.2	8,105.1	0.00	0.00	0.00
17,800.0	90.29	359.89	9,713.5	8,203.4	170.0	8,205.1	0.00	0.00	0.00
17,900.0	90.29	359.89	9,713.0	8,303.4	169.8	8,305.1	0.00	0.00	0.00
18,000.0	90.29	359.89	9,712.5	8,403.4	169.6	8,405.0	0.00	0.00	0.00
18,100.0	90.29	359.89	9,712.0	8,503.4	169.4	8,505.0	0.00	0.00	0.00
18,200.0	90.29	359.89	9,711.5	8,603.4	169.2	8,605.0	0.00	0.00	0.00
18,300.0	90.29	359.89	9,711.0	8,703.4	169.0	8,705.0	0.00	0.00	0.00
18,400.0	90.29	359.89	9,710.5	8,803.4	168.8	8,805.0	0.00	0.00	0.00
18,500.0	90.29	359.89	9,710.0	8,903.4	168.6	8,904.9	0.00	0.00	0.00
18,600.0	90.29	359.89	9,709.4	9,003.4	168.4	9,004.9	0.00	0.00	0.00
18,700.0	90.29	359.89	9,708.9	9,103.4	168.2	9,104.9	0.00	0.00	0.00
18,800.0	90.29	359.89	9,708.4	9,203.4	168.0	9,204.9	0.00	0.00	0.00
18,900.0	90.29	359.89	9,707.9	9,303.4	167.9	9,304.9	0.00	0.00	0.00
19,000.0	90.29	359.89	9,707.4	9,403.4	167.7	9,404.9	0.00	0.00	0.00
19,100.0	90.29	359.89	9,706.9	9,503.4	167.5	9,504.8	0.00	0.00	0.00
19,200.0	90.29	359.89	9,706.4	9,603.4	167.3	9,604.8	0.00	0.00	0.00
19,300.0	90.29	359.89	9,705.9	9,703.4	167.1	9,704.8	0.00	0.00	0.00
19,400.0	90.29	359.89	9,705.4	9,803.4	166.9	9,804.8	0.00	0.00	0.00
19,500.0	90.29	359.89	9,704.8	9,903.4	166.7	9,904.8	0.00	0.00	0.00
19,600.0	90.29	359.89	9,704.3	10,003.4	166.5	10,004.8	0.00	0.00	0.00
19,700.0	90.29	359.89	9,703.8	10,103.4	166.3	10,104.7	0.00	0.00	0.00
19,800.0	90.29	359.89	9,703.3	10,203.4	166.1	10,204.7	0.00	0.00	0.00
19,859.6	90.29	359.89	9,703.0	10,263.0	166.0	10,264.3	0.00	0.00	0.00
BHL: 330' FNL & 990' FEL (Sec 16)									

Planning Report

Database: Hobbs
Company: Mewbourne Oil Company
Project: Eddy County, New Mexico NAD 83
Site: Creedence 21/16 W1PA Fed Com #2H
Well: Sec 21, T24S, R28E
Wellbore: BHL: 330' FNL & 990' FEL, Sec 16
Design: Design #1

Local Co-ordinate Reference: Site Creedence 21/16 W1PA Fed Com #2H
TVD Reference: WELL @ 3033.0usft (Original Well Elev)
MD Reference: WELL @ 3033.0usft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Design Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
- Shape									
SHL: 100' FSL & 1175' F - plan hits target center - Point	0.00	0.00	0.0	0.0	0.0	435,223.00	617,259.00	32.1962672	-104.0878919
KOP: 10' FSL & 990' FE - plan hits target center - Point	0.00	0.00	9,180.0	-87.0	186.0	435,136.00	617,445.00	32.1960268	-104.0872912
FTP: 330' FSL & 990' FE - plan hits target center - Point	0.00	0.00	9,694.1	233.0	185.4	435,456.00	617,444.39	32.1969065	-104.0872909
BHL: 330' FNL & 990' FE - plan hits target center - Point	0.00	0.01	9,703.0	10,263.0	166.0	445,486.00	617,425.00	32.2244779	-104.0872793
PPP3: 2667' FNL & 990' - plan hits target center - Point	0.00	0.00	9,742.3	2,589.0	180.8	437,812.00	617,439.83	32.2033829	-104.0872881
PPP2: 1344' FSL & 990' - plan hits target center - Point	0.00	0.00	9,749.1	1,247.0	183.4	436,470.00	617,442.43	32.1996939	-104.0872897
LP: 589' FSL & 990' FEL - plan hits target center - Point	0.00	0.00	9,753.0	488.9	184.9	435,711.90	617,443.90	32.1976099	-104.0872905

Creedence 21/16 W1PA Fed Com #2H

