

Submit a Copy To Appropriate District Office
District I – (575) 393-6161
 1625 N. French Dr., Hobbs, NM 88240
District II – (575) 748-1283
 811 S. First St., Artesia, NM 88210
District III – (505) 334-6178
 1000 Rio Brazos Rd., Aztec, NM 87410
District IV – (505) 476-3460
 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
 Energy, Minerals and Natural Resources

Form C-103
 Revised July 18, 2013

OIL CONSERVATION DIVISION
 1220 South St. Francis Dr.
 Santa Fe, NM 87505

WELL API NO. 30-025-55311	
5. Indicate Type of Lease STATE ☒ FEE ☐	
6. State Oil & Gas Lease No.	
7. Lease Name or Unit Agreement Name North Wilson Deep Unit	
8. Well Number	13H
9. OGRID Number 14744	
10. Pool name or Wildcat WILSON; BONE SPRING, NORTH	
4. Well Location Unit Letter <u>G</u> : <u>2220</u> feet from the <u>NORTH</u> line and <u>2060</u> feet from the <u>EAST</u> line Section <u>17</u> Township <u>21S</u> Range <u>35E</u> NMPM County <u>LEA</u>	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3653' GLE	

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☒	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
DOWNHOLE COMMINGLE ☐			
CLOSED-LOOP SYSTEM ☐			
OTHER: ☐		OTHER: ☐	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Mewbourne Oil Company requests the subject well's SHL change from 2220' FNL & 2060' FEL, Sec 17, T21S R35E, Lea Co., NM. to 2370' FNL & 1010' FEL, Sec 17, T21S R35E, Lea Co., NM.

Attached is the C102 reflecting this SHL move.

Spud Date:

3/3/2026

Rig Release Date:

3/23/2026

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Alex Garza TITLE Petroleum Engineer DATE 10/2/2025

Type or print name Alex Garza E-mail address: alex.garza@mewbourne.com PHONE: 580-727-5116

For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any):

C-102 Submit Electronically Via OCD Permitting	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION		Revised July 9, 2024	
			Submittal Type:	☐ Initial Submittal
				☒ Amended Report
		☐ As Drilled		

WELL LOCATION INFORMATION

API Number 30-025-55311	Pool Code 97704	Pool Name WILSON; BONE SPRING, NORTH
Property Code 325675	Property Name NORTH WILSON DEEP UNIT	Well Number 13H
OGRID No. 14744	Operator Name MEWBOURNE OIL COMPANY	Ground Level Elevation 3641'
Surface Owner: ☒ State ☐ Fee ☐ Tribal ☐ Federal		Mineral Owner: ☒ State ☐ Fee ☐ Tribal ☐ Federal

Surface Location

UL G-H	Section 17	Township 21S	Range 35E	Lot	Ft. from N/S 2370 FNL	Ft. from E/W 1010 FEL	Latitude 32.4797711°N	Longitude 103.3843989°W	County LEA
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Bottom Hole Location

UL J	Section 5	Township 21S	Range 35E	Lot	Ft. from N/S 2542 FSL	Ft. from E/W 1850 FEL	Latitude 32.5077856°N	Longitude 103.3871393°W	County LEA
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Dedicated Acres 320	Infill or Defining Well DEFINING	Defining Well API	Overlapping Spacing Unit (Y/N) N	Consolidation Code U
Order Numbers. N/A			Well setbacks are under Common Ownership: ☒ Yes ☐ No	

Kick Off Point (KOP)

UL J	Section 17	Township 21S	Range 35E	Lot	Ft. from N/S 2170 FSL	Ft. from E/W 1850 FEL	Latitude 32.4777292°N	Longitude 103.3871178°W	County LEA
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First Take Point (FTP)

UL G	Section 17	Township 21S	Range 35E	Lot	Ft. from N/S 2539 FNL	Ft. from E/W 1850 FEL	Latitude 32.4793038°N	Longitude 103.3871195°W	County LEA
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Last Take Point (LTP)

UL J	Section 5	Township 21S	Range 35E	Lot	Ft. from N/S 2542 FSL	Ft. from E/W 1850 FEL	Latitude 32.5077856°N	Longitude 103.3871393°W	County LEA
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Unitized Area or Area of Uniform Interest N/A	Spacing Unit Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation: 3669'
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OPERATOR CERTIFICATIONS <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, 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 a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i> <i>If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.</i>		SURVEYOR CERTIFICATIONS <i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me under my supervision, and that the same is true and correct to the best of my belief.</i>	
 Signature		 Signature and Seal of Professional Surveyor	
Alex Garza Printed Name		Robert M. Howett Certificate Number	
9/3/2025 Date		19680 Date of Survey	
alex.garza@mewbourne.com Email Address		04/17/2025	

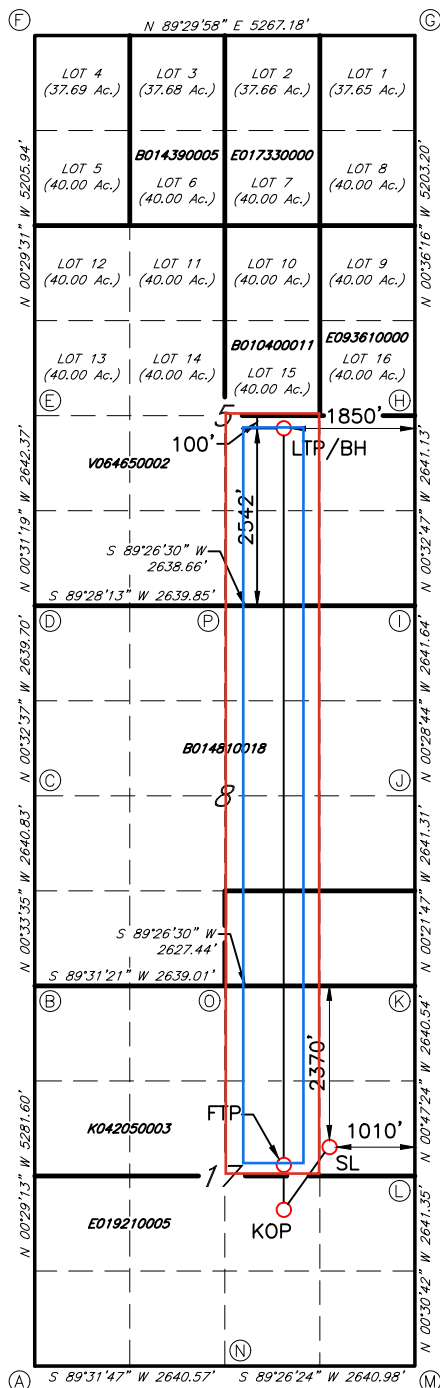
Note: No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

ACREAGE DEDICATION PLATS

This grid represents a standard section. You may superimpose a non-standard section, or larger area, over this grid. Operators must outline the dedicated acreage in a red box, clearly show the well surface location and bottom hole location, if it is a directionally drilled, with the dimensions from the section lines in the cardinal directions. If this is a horizontal wellbore show on this plat the location of the First Take Point and Last Take Point, and the point within the Completed interval (other than the First Take Point or Last Take Point) that is closest to any outer boundary of the tract.

Surveyors shall use the latest United States government survey or dependent resurvey. Well locations will be in reference to the New Mexico Principal Meridian. If the land is not surveyed, contact the OCD Engineering Bureau. Independent subdivision surveys will not be acceptable.

NORTH WILSON DEEP UNIT #13H



GEODETIC DATA

NAD 83 GRID - NM EAST

SURFACE LOCATION (SL)

2370' FNL - 1010' FEL SEC.17
N: 539572.9 - E: 833959.5

LAT: 32.4797711° N

LONG: 103.3843989° W

KICK OFF POINT (KOP)

2170' FSL - 1850' FEL SEC.17
N: 538822.6 - E: 833127.7

LAT: 32.4777292° N

LONG: 103.3871178° W

FIRST TAKE POINT (FTP)

2539' FNL - 1850' FEL SEC.17
N: 539395.4 - E: 833122.1

LAT: 32.4793038° N

LONG: 103.3871195° W

LAST TAKE POINT/BOTTOM HOLE (LTP/BH)

2542' FSL - 1850' FEL SEC.5
N: 549757.6 - E: 833024.0

LAT: 32.5077856° N

LONG: 103.3871393° W

CORNER DATA

NAD 83 GRID - NM EAST

A: FOUND 3/4" REBAR N: 536624.0 - E: 829716.2	I: FOUND 10"x6"x4" LIMESTONE ROCK N: 547234.1 - E: 834897.9
B: CALCULATED CORNER N: 541904.6 - E: 829671.3	J: FOUND 3/4" REBAR N: 544593.0 - E: 834919.9
C: FOUND 1/2" REBAR N: 544544.8 - E: 829645.5	K: FOUND LIMESTONE ROCK N: 541952.2 - E: 834936.7
D: FOUND 12"x6"x4" LIMESTONE ROCK N: 547184.0 - E: 829620.4	L: FOUND LIMESTONE ROCK N: 539312.3 - E: 834973.1
E: FOUND 12"x6"x2.5" LIMESTONE ROCK N: 549825.8 - E: 829596.4	M: FOUND 3/4" REBAR N: 536671.5 - E: 834996.6
F: FOUND NAIL N: 555030.7 - E: 829551.7	N: FOUND 12"x4"x4" LIMESTONE ROCK N: 536645.7 - E: 832356.2
G: FOUND BRASS CAP "1937" N: 555076.8 - E: 834817.8	O: FOUND LIMESTONE ROCK N: 541926.5 - E: 832309.8
H: FOUND 12"x4"x4" LIMESTONE ROCK N: 549874.7 - E: 834872.7	P: FOUND 10"x6"x3" LIMESTONE ROCK N: 547208.4 - E: 832259.7

JOB #: LS25040331D2

Mewbourne Oil Company

Lea County, New Mexico NAD 83

North Wilson Deep Unit #13H

Sec 17, T21S, R35E

SHL: 2370' FNL & 1010' FEL (Sec 17)

BHL: 2542' FSL & 1850' FEL (Sec 5)

Plan: Design #1

Standard Planning Report

03 September, 2025

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site North Wilson Deep Unit #13H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3681.0usft (Original Well Elev)
Project:	Lea County, New Mexico NAD 83	MD Reference:	WELL @ 3681.0usft (Original Well Elev)
Site:	North Wilson Deep Unit #13H	North Reference:	Grid
Well:	Sec 17, T21S, R35E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 2542' FSL & 1850' FEL (Sec 5)		
Design:	Design #1		

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

Site		North Wilson Deep Unit #13H			
Site Position:		Northing:	539,572.90 usft	Latitude:	32.4797711
From:	Map	Easting:	833,959.50 usft	Longitude:	-103.3843990
Position Uncertainty:		0.0 usft	Slot Radius:	13-3/16 "	

Well	Sec 17, T21S, R35E					
Well Position	+N/-S	0.0 usft	Northing:	539,572.90 usft	Latitude:	32.4797711
	+E/-W	0.0 usft	Easting:	833,959.50 usft	Longitude:	-103.3843990
Position Uncertainty		0.0 usft	Wellhead Elevation:	3,669.0 usft	Ground Level:	3,641.0 usft
Grid Convergence:		0.51 °				

Wellbore	BHL: 2542' FSL & 1850' FEL (Sec 5)				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	12/31/2014	7.08	60.36	48,433.52195420

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	354.75	

Plan Survey Tool Program	Date	9/3/2025			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.0	20,661.6	Design #1 (BHL: 2542' FSL & 1850' FEL (Sec 5))		

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	
1,915.0	0.00	0.00	1,915.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,373.9	9.18	227.95	2,371.9	-24.6	-27.2	2.00	2.00	0.00	227.95	
8,937.0	9.18	227.95	8,851.1	-725.7	-804.6	0.00	0.00	0.00	0.00	
9,395.9	0.00	0.00	9,308.0	-750.3	-831.8	2.00	-2.00	0.00	180.00	KOP: 2170' FSL & 1850' FEL (Sec 5)
10,310.1	91.38	359.46	9,881.0	-163.3	-837.4	10.00	10.00	0.00	-0.54	
20,661.6	91.38	359.46	9,631.0	10,184.7	-935.5	0.00	0.00	0.00	0.00	BHL: 2542' FSL & 1850' FEL (Sec 5)

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site North Wilson Deep Unit #13H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3681.0usft (Original Well Elev)
Project:	Lea County, New Mexico NAD 83	MD Reference:	WELL @ 3681.0usft (Original Well Elev)
Site:	North Wilson Deep Unit #13H	North Reference:	Grid
Well:	Sec 17, T21S, R35E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 2542' FSL & 1850' FEL (Sec 5)		
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: 2370' FNL & 1010' FEL (Sec 17)									
50.0	0.00	0.00	50.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
150.0	0.00	0.00	150.0	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
250.0	0.00	0.00	250.0	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
350.0	0.00	0.00	350.0	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
450.0	0.00	0.00	450.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
550.0	0.00	0.00	550.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
650.0	0.00	0.00	650.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
750.0	0.00	0.00	750.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
850.0	0.00	0.00	850.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
950.0	0.00	0.00	950.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,050.0	0.00	0.00	1,050.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,150.0	0.00	0.00	1,150.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,250.0	0.00	0.00	1,250.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,350.0	0.00	0.00	1,350.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,450.0	0.00	0.00	1,450.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,550.0	0.00	0.00	1,550.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,650.0	0.00	0.00	1,650.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,750.0	0.00	0.00	1,750.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,850.0	0.00	0.00	1,850.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,915.0	0.00	0.00	1,915.0	0.0	0.0	0.0	0.00	0.00	0.00
1,950.0	0.70	227.95	1,950.0	-0.1	-0.2	-0.1	2.00	2.00	0.00
2,000.0	1.70	227.95	2,000.0	-0.8	-0.9	-0.8	2.00	2.00	0.00
2,050.0	2.70	227.95	2,050.0	-2.1	-2.4	-1.9	2.00	2.00	0.00
2,100.0	3.70	227.95	2,099.9	-4.0	-4.4	-3.6	2.00	2.00	0.00
2,150.0	4.70	227.95	2,149.7	-6.5	-7.2	-5.8	2.00	2.00	0.00
2,200.0	5.70	227.95	2,199.5	-9.5	-10.5	-8.5	2.00	2.00	0.00
2,250.0	6.70	227.95	2,249.2	-13.1	-14.5	-11.7	2.00	2.00	0.00
2,300.0	7.70	227.95	2,298.8	-17.3	-19.2	-15.5	2.00	2.00	0.00
2,350.0	8.70	227.95	2,348.3	-22.1	-24.5	-19.7	2.00	2.00	0.00
2,373.9	9.18	227.95	2,371.9	-24.6	-27.2	-22.0	2.00	2.00	0.00
2,400.0	9.18	227.95	2,397.7	-27.4	-30.3	-24.5	0.00	0.00	0.00
2,450.0	9.18	227.95	2,447.1	-32.7	-36.2	-29.2	0.00	0.00	0.00
2,500.0	9.18	227.95	2,496.4	-38.0	-42.2	-34.0	0.00	0.00	0.00

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site North Wilson Deep Unit #13H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3681.0usft (Original Well Elev)
Project:	Lea County, New Mexico NAD 83	MD Reference:	WELL @ 3681.0usft (Original Well Elev)
Site:	North Wilson Deep Unit #13H	North Reference:	Grid
Well:	Sec 17, T21S, R35E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 2542' FSL & 1850' FEL (Sec 5)		
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)
2,550.0	9.18	227.95	2,545.8	-43.4	-48.1	-38.8	0.00	0.00	0.00
2,600.0	9.18	227.95	2,595.1	-48.7	-54.0	-43.6	0.00	0.00	0.00
2,650.0	9.18	227.95	2,644.5	-54.1	-59.9	-48.4	0.00	0.00	0.00
2,700.0	9.18	227.95	2,693.9	-59.4	-65.9	-53.1	0.00	0.00	0.00
2,750.0	9.18	227.95	2,743.2	-64.7	-71.8	-57.9	0.00	0.00	0.00
2,800.0	9.18	227.95	2,792.6	-70.1	-77.7	-62.7	0.00	0.00	0.00
2,850.0	9.18	227.95	2,841.9	-75.4	-83.6	-67.5	0.00	0.00	0.00
2,900.0	9.18	227.95	2,891.3	-80.8	-89.5	-72.2	0.00	0.00	0.00
2,950.0	9.18	227.95	2,940.7	-86.1	-95.5	-77.0	0.00	0.00	0.00
3,000.0	9.18	227.95	2,990.0	-91.5	-101.4	-81.8	0.00	0.00	0.00
3,050.0	9.18	227.95	3,039.4	-96.8	-107.3	-86.6	0.00	0.00	0.00
3,100.0	9.18	227.95	3,088.7	-102.1	-113.2	-91.4	0.00	0.00	0.00
3,150.0	9.18	227.95	3,138.1	-107.5	-119.2	-96.1	0.00	0.00	0.00
3,200.0	9.18	227.95	3,187.5	-112.8	-125.1	-100.9	0.00	0.00	0.00
3,250.0	9.18	227.95	3,236.8	-118.2	-131.0	-105.7	0.00	0.00	0.00
3,300.0	9.18	227.95	3,286.2	-123.5	-136.9	-110.5	0.00	0.00	0.00
3,350.0	9.18	227.95	3,335.5	-128.8	-142.8	-115.2	0.00	0.00	0.00
3,400.0	9.18	227.95	3,384.9	-134.2	-148.8	-120.0	0.00	0.00	0.00
3,450.0	9.18	227.95	3,434.3	-139.5	-154.7	-124.8	0.00	0.00	0.00
3,500.0	9.18	227.95	3,483.6	-144.9	-160.6	-129.6	0.00	0.00	0.00
3,550.0	9.18	227.95	3,533.0	-150.2	-166.5	-134.4	0.00	0.00	0.00
3,600.0	9.18	227.95	3,582.3	-155.6	-172.5	-139.1	0.00	0.00	0.00
3,650.0	9.18	227.95	3,631.7	-160.9	-178.4	-143.9	0.00	0.00	0.00
3,700.0	9.18	227.95	3,681.1	-166.2	-184.3	-148.7	0.00	0.00	0.00
3,750.0	9.18	227.95	3,730.4	-171.6	-190.2	-153.5	0.00	0.00	0.00
3,800.0	9.18	227.95	3,779.8	-176.9	-196.1	-158.2	0.00	0.00	0.00
3,850.0	9.18	227.95	3,829.1	-182.3	-202.1	-163.0	0.00	0.00	0.00
3,900.0	9.18	227.95	3,878.5	-187.6	-208.0	-167.8	0.00	0.00	0.00
3,950.0	9.18	227.95	3,927.9	-192.9	-213.9	-172.6	0.00	0.00	0.00
4,000.0	9.18	227.95	3,977.2	-198.3	-219.8	-177.4	0.00	0.00	0.00
4,050.0	9.18	227.95	4,026.6	-203.6	-225.7	-182.1	0.00	0.00	0.00
4,100.0	9.18	227.95	4,075.9	-209.0	-231.7	-186.9	0.00	0.00	0.00
4,150.0	9.18	227.95	4,125.3	-214.3	-237.6	-191.7	0.00	0.00	0.00
4,200.0	9.18	227.95	4,174.7	-219.7	-243.5	-196.5	0.00	0.00	0.00
4,250.0	9.18	227.95	4,224.0	-225.0	-249.4	-201.2	0.00	0.00	0.00
4,300.0	9.18	227.95	4,273.4	-230.3	-255.4	-206.0	0.00	0.00	0.00
4,350.0	9.18	227.95	4,322.7	-235.7	-261.3	-210.8	0.00	0.00	0.00
4,400.0	9.18	227.95	4,372.1	-241.0	-267.2	-215.6	0.00	0.00	0.00
4,450.0	9.18	227.95	4,421.5	-246.4	-273.1	-220.3	0.00	0.00	0.00
4,500.0	9.18	227.95	4,470.8	-251.7	-279.0	-225.1	0.00	0.00	0.00
4,550.0	9.18	227.95	4,520.2	-257.0	-285.0	-229.9	0.00	0.00	0.00
4,600.0	9.18	227.95	4,569.5	-262.4	-290.9	-234.7	0.00	0.00	0.00
4,650.0	9.18	227.95	4,618.9	-267.7	-296.8	-239.5	0.00	0.00	0.00
4,700.0	9.18	227.95	4,668.3	-273.1	-302.7	-244.2	0.00	0.00	0.00
4,750.0	9.18	227.95	4,717.6	-278.4	-308.7	-249.0	0.00	0.00	0.00
4,800.0	9.18	227.95	4,767.0	-283.8	-314.6	-253.8	0.00	0.00	0.00
4,850.0	9.18	227.95	4,816.3	-289.1	-320.5	-258.6	0.00	0.00	0.00
4,900.0	9.18	227.95	4,865.7	-294.4	-326.4	-263.3	0.00	0.00	0.00
4,950.0	9.18	227.95	4,915.1	-299.8	-332.3	-268.1	0.00	0.00	0.00
5,000.0	9.18	227.95	4,964.4	-305.1	-338.3	-272.9	0.00	0.00	0.00
5,050.0	9.18	227.95	5,013.8	-310.5	-344.2	-277.7	0.00	0.00	0.00
5,100.0	9.18	227.95	5,063.1	-315.8	-350.1	-282.5	0.00	0.00	0.00
5,150.0	9.18	227.95	5,112.5	-321.1	-356.0	-287.2	0.00	0.00	0.00
5,200.0	9.18	227.95	5,161.9	-326.5	-362.0	-292.0	0.00	0.00	0.00

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site North Wilson Deep Unit #13H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3681.0usft (Original Well Elev)
Project:	Lea County, New Mexico NAD 83	MD Reference:	WELL @ 3681.0usft (Original Well Elev)
Site:	North Wilson Deep Unit #13H	North Reference:	Grid
Well:	Sec 17, T21S, R35E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 2542' FSL & 1850' FEL (Sec 5)		
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)
5,250.0	9.18	227.95	5,211.2	-331.8	-367.9	-296.8	0.00	0.00	0.00
5,300.0	9.18	227.95	5,260.6	-337.2	-373.8	-301.6	0.00	0.00	0.00
5,350.0	9.18	227.95	5,309.9	-342.5	-379.7	-306.3	0.00	0.00	0.00
5,400.0	9.18	227.95	5,359.3	-347.9	-385.6	-311.1	0.00	0.00	0.00
5,450.0	9.18	227.95	5,408.7	-353.2	-391.6	-315.9	0.00	0.00	0.00
5,500.0	9.18	227.95	5,458.0	-358.5	-397.5	-320.7	0.00	0.00	0.00
5,550.0	9.18	227.95	5,507.4	-363.9	-403.4	-325.5	0.00	0.00	0.00
5,600.0	9.18	227.95	5,556.7	-369.2	-409.3	-330.2	0.00	0.00	0.00
5,650.0	9.18	227.95	5,606.1	-374.6	-415.3	-335.0	0.00	0.00	0.00
5,700.0	9.18	227.95	5,655.5	-379.9	-421.2	-339.8	0.00	0.00	0.00
5,750.0	9.18	227.95	5,704.8	-385.2	-427.1	-344.6	0.00	0.00	0.00
5,800.0	9.18	227.95	5,754.2	-390.6	-433.0	-349.3	0.00	0.00	0.00
5,850.0	9.18	227.95	5,803.5	-395.9	-438.9	-354.1	0.00	0.00	0.00
5,900.0	9.18	227.95	5,852.9	-401.3	-444.9	-358.9	0.00	0.00	0.00
5,950.0	9.18	227.95	5,902.3	-406.6	-450.8	-363.7	0.00	0.00	0.00
6,000.0	9.18	227.95	5,951.6	-412.0	-456.7	-368.5	0.00	0.00	0.00
6,050.0	9.18	227.95	6,001.0	-417.3	-462.6	-373.2	0.00	0.00	0.00
6,100.0	9.18	227.95	6,050.3	-422.6	-468.5	-378.0	0.00	0.00	0.00
6,150.0	9.18	227.95	6,099.7	-428.0	-474.5	-382.8	0.00	0.00	0.00
6,200.0	9.18	227.95	6,149.1	-433.3	-480.4	-387.6	0.00	0.00	0.00
6,250.0	9.18	227.95	6,198.4	-438.7	-486.3	-392.3	0.00	0.00	0.00
6,300.0	9.18	227.95	6,247.8	-444.0	-492.2	-397.1	0.00	0.00	0.00
6,350.0	9.18	227.95	6,297.1	-449.3	-498.2	-401.9	0.00	0.00	0.00
6,400.0	9.18	227.95	6,346.5	-454.7	-504.1	-406.7	0.00	0.00	0.00
6,450.0	9.18	227.95	6,395.9	-460.0	-510.0	-411.5	0.00	0.00	0.00
6,500.0	9.18	227.95	6,445.2	-465.4	-515.9	-416.2	0.00	0.00	0.00
6,550.0	9.18	227.95	6,494.6	-470.7	-521.8	-421.0	0.00	0.00	0.00
6,600.0	9.18	227.95	6,543.9	-476.1	-527.8	-425.8	0.00	0.00	0.00
6,650.0	9.18	227.95	6,593.3	-481.4	-533.7	-430.6	0.00	0.00	0.00
6,700.0	9.18	227.95	6,642.7	-486.7	-539.6	-435.3	0.00	0.00	0.00
6,750.0	9.18	227.95	6,692.0	-492.1	-545.5	-440.1	0.00	0.00	0.00
6,800.0	9.18	227.95	6,741.4	-497.4	-551.5	-444.9	0.00	0.00	0.00
6,850.0	9.18	227.95	6,790.7	-502.8	-557.4	-449.7	0.00	0.00	0.00
6,900.0	9.18	227.95	6,840.1	-508.1	-563.3	-454.5	0.00	0.00	0.00
6,950.0	9.18	227.95	6,889.5	-513.4	-569.2	-459.2	0.00	0.00	0.00
7,000.0	9.18	227.95	6,938.8	-518.8	-575.1	-464.0	0.00	0.00	0.00
7,050.0	9.18	227.95	6,988.2	-524.1	-581.1	-468.8	0.00	0.00	0.00
7,100.0	9.18	227.95	7,037.5	-529.5	-587.0	-473.6	0.00	0.00	0.00
7,150.0	9.18	227.95	7,086.9	-534.8	-592.9	-478.3	0.00	0.00	0.00
7,200.0	9.18	227.95	7,136.3	-540.2	-598.8	-483.1	0.00	0.00	0.00
7,250.0	9.18	227.95	7,185.6	-545.5	-604.8	-487.9	0.00	0.00	0.00
7,300.0	9.18	227.95	7,235.0	-550.8	-610.7	-492.7	0.00	0.00	0.00
7,350.0	9.18	227.95	7,284.3	-556.2	-616.6	-497.5	0.00	0.00	0.00
7,400.0	9.18	227.95	7,333.7	-561.5	-622.5	-502.2	0.00	0.00	0.00
7,450.0	9.18	227.95	7,383.1	-566.9	-628.4	-507.0	0.00	0.00	0.00
7,500.0	9.18	227.95	7,432.4	-572.2	-634.4	-511.8	0.00	0.00	0.00
7,550.0	9.18	227.95	7,481.8	-577.6	-640.3	-516.6	0.00	0.00	0.00
7,600.0	9.18	227.95	7,531.1	-582.9	-646.2	-521.3	0.00	0.00	0.00
7,650.0	9.18	227.95	7,580.5	-588.2	-652.1	-526.1	0.00	0.00	0.00
7,700.0	9.18	227.95	7,629.9	-593.6	-658.1	-530.9	0.00	0.00	0.00
7,750.0	9.18	227.95	7,679.2	-598.9	-664.0	-535.7	0.00	0.00	0.00
7,800.0	9.18	227.95	7,728.6	-604.3	-669.9	-540.5	0.00	0.00	0.00
7,850.0	9.18	227.95	7,777.9	-609.6	-675.8	-545.2	0.00	0.00	0.00
7,900.0	9.18	227.95	7,827.3	-614.9	-681.7	-550.0	0.00	0.00	0.00

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site North Wilson Deep Unit #13H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3681.0usft (Original Well Elev)
Project:	Lea County, New Mexico NAD 83	MD Reference:	WELL @ 3681.0usft (Original Well Elev)
Site:	North Wilson Deep Unit #13H	North Reference:	Grid
Well:	Sec 17, T21S, R35E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 2542' FSL & 1850' FEL (Sec 5)		
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)
7,950.0	9.18	227.95	7,876.7	-620.3	-687.7	-554.8	0.00	0.00	0.00
8,000.0	9.18	227.95	7,926.0	-625.6	-693.6	-559.6	0.00	0.00	0.00
8,050.0	9.18	227.95	7,975.4	-631.0	-699.5	-564.3	0.00	0.00	0.00
8,100.0	9.18	227.95	8,024.7	-636.3	-705.4	-569.1	0.00	0.00	0.00
8,150.0	9.18	227.95	8,074.1	-641.7	-711.3	-573.9	0.00	0.00	0.00
8,200.0	9.18	227.95	8,123.5	-647.0	-717.3	-578.7	0.00	0.00	0.00
8,250.0	9.18	227.95	8,172.8	-652.3	-723.2	-583.5	0.00	0.00	0.00
8,300.0	9.18	227.95	8,222.2	-657.7	-729.1	-588.2	0.00	0.00	0.00
8,350.0	9.18	227.95	8,271.5	-663.0	-735.0	-593.0	0.00	0.00	0.00
8,400.0	9.18	227.95	8,320.9	-668.4	-741.0	-597.8	0.00	0.00	0.00
8,450.0	9.18	227.95	8,370.2	-673.7	-746.9	-602.6	0.00	0.00	0.00
8,500.0	9.18	227.95	8,419.6	-679.0	-752.8	-607.3	0.00	0.00	0.00
8,550.0	9.18	227.95	8,469.0	-684.4	-758.7	-612.1	0.00	0.00	0.00
8,600.0	9.18	227.95	8,518.3	-689.7	-764.6	-616.9	0.00	0.00	0.00
8,650.0	9.18	227.95	8,567.7	-695.1	-770.6	-621.7	0.00	0.00	0.00
8,700.0	9.18	227.95	8,617.0	-700.4	-776.5	-626.4	0.00	0.00	0.00
8,750.0	9.18	227.95	8,666.4	-705.8	-782.4	-631.2	0.00	0.00	0.00
8,800.0	9.18	227.95	8,715.8	-711.1	-788.3	-636.0	0.00	0.00	0.00
8,850.0	9.18	227.95	8,765.1	-716.4	-794.3	-640.8	0.00	0.00	0.00
8,900.0	9.18	227.95	8,814.5	-721.8	-800.2	-645.6	0.00	0.00	0.00
8,937.0	9.18	227.95	8,851.1	-725.7	-804.6	-649.1	0.00	0.00	0.00
8,950.0	8.92	227.95	8,863.9	-727.1	-806.1	-650.3	2.00	-2.00	0.00
9,000.0	7.92	227.95	8,913.3	-732.0	-811.5	-654.7	2.00	-2.00	0.00
9,050.0	6.92	227.95	8,962.9	-736.3	-816.3	-658.6	2.00	-2.00	0.00
9,100.0	5.92	227.95	9,012.6	-740.1	-820.5	-661.9	2.00	-2.00	0.00
9,150.0	4.92	227.95	9,062.4	-743.2	-824.0	-664.8	2.00	-2.00	0.00
9,200.0	3.92	227.95	9,112.2	-745.8	-826.8	-667.1	2.00	-2.00	0.00
9,250.0	2.92	227.95	9,162.1	-747.8	-829.0	-668.8	2.00	-2.00	0.00
9,300.0	1.92	227.95	9,212.1	-749.2	-830.6	-670.1	2.00	-2.00	0.00
9,350.0	0.92	227.95	9,262.1	-750.1	-831.5	-670.9	2.00	-2.00	0.00
9,395.9	0.00	0.00	9,308.0	-750.3	-831.8	-671.1	2.00	-2.00	0.00
KOP: 2170' FSL & 1850' FEL (Sec 17)									
9,400.0	0.41	359.46	9,312.1	-750.3	-831.8	-671.1	10.00	10.00	0.00
9,450.0	5.40	359.46	9,362.0	-747.8	-831.8	-668.5	10.00	10.00	0.00
9,500.0	10.40	359.46	9,411.5	-740.9	-831.9	-661.7	10.00	10.00	0.00
9,550.0	15.40	359.46	9,460.2	-729.7	-832.0	-650.6	10.00	10.00	0.00
9,600.0	20.40	359.46	9,507.8	-714.4	-832.1	-635.3	10.00	10.00	0.00
9,650.0	25.40	359.46	9,553.8	-694.9	-832.3	-615.9	10.00	10.00	0.00
9,700.0	30.39	359.46	9,598.0	-671.5	-832.5	-592.6	10.00	10.00	0.00
9,750.0	35.39	359.46	9,640.0	-644.4	-832.8	-565.5	10.00	10.00	0.00
9,800.0	40.39	359.46	9,679.4	-613.7	-833.1	-534.9	10.00	10.00	0.00
9,850.0	45.39	359.46	9,716.0	-579.7	-833.4	-501.0	10.00	10.00	0.00
9,900.0	50.39	359.46	9,749.6	-542.6	-833.8	-464.1	10.00	10.00	0.00
9,950.0	55.39	359.46	9,779.7	-502.7	-834.1	-424.3	10.00	10.00	0.00
10,000.0	60.38	359.46	9,806.3	-460.4	-834.5	-382.1	10.00	10.00	0.00
10,050.0	65.38	359.46	9,829.1	-415.9	-835.0	-337.8	10.00	10.00	0.00
10,100.0	70.38	359.46	9,847.9	-369.6	-835.4	-291.6	10.00	10.00	0.00
10,150.0	75.38	359.46	9,862.6	-321.8	-835.9	-244.0	10.00	10.00	0.00
10,200.0	80.38	359.46	9,873.1	-273.0	-836.3	-195.3	10.00	10.00	0.00
10,250.0	85.37	359.46	9,879.3	-223.4	-836.8	-145.9	10.00	10.00	0.00
10,295.9	89.97	359.46	9,881.2	-177.5	-837.2	-100.2	10.00	10.00	0.00
FTP/LP: 2539' FNL & 1850' FEL (Sec 17)									
10,300.0	90.37	359.46	9,881.2	-173.4	-837.3	-96.1	10.00	10.00	0.00
10,310.1	91.38	359.46	9,881.0	-163.3	-837.4	-86.0	10.00	10.00	0.00

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site North Wilson Deep Unit #13H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3681.0usft (Original Well Elev)
Project:	Lea County, New Mexico NAD 83	MD Reference:	WELL @ 3681.0usft (Original Well Elev)
Site:	North Wilson Deep Unit #13H	North Reference:	Grid
Well:	Sec 17, T21S, R35E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 2542' FSL & 1850' FEL (Sec 5)		
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)	
10,350.0	91.38	359.46	9,880.0	-123.4	-837.7	-46.3	0.00	0.00	0.00	
10,400.0	91.38	359.46	9,878.8	-73.5	-838.2	3.5	0.00	0.00	0.00	
10,450.0	91.38	359.46	9,877.6	-23.5	-838.7	53.3	0.00	0.00	0.00	
10,500.0	91.38	359.46	9,876.4	26.5	-839.2	103.1	0.00	0.00	0.00	
10,550.0	91.38	359.46	9,875.2	76.5	-839.6	153.0	0.00	0.00	0.00	
10,600.0	91.38	359.46	9,874.0	126.5	-840.1	202.8	0.00	0.00	0.00	
10,650.0	91.38	359.46	9,872.8	176.5	-840.6	252.6	0.00	0.00	0.00	
10,700.0	91.38	359.46	9,871.6	226.4	-841.1	302.4	0.00	0.00	0.00	
10,750.0	91.38	359.46	9,870.4	276.4	-841.5	352.2	0.00	0.00	0.00	
10,800.0	91.38	359.46	9,869.2	326.4	-842.0	402.0	0.00	0.00	0.00	
10,850.0	91.38	359.46	9,868.0	376.4	-842.5	451.9	0.00	0.00	0.00	
10,900.0	91.38	359.46	9,866.8	426.4	-843.0	501.7	0.00	0.00	0.00	
10,950.0	91.38	359.46	9,865.5	476.3	-843.4	551.5	0.00	0.00	0.00	
11,000.0	91.38	359.46	9,864.3	526.3	-843.9	601.3	0.00	0.00	0.00	
11,050.0	91.38	359.46	9,863.1	576.3	-844.4	651.1	0.00	0.00	0.00	
11,100.0	91.38	359.46	9,861.9	626.3	-844.9	701.0	0.00	0.00	0.00	
11,150.0	91.38	359.46	9,860.7	676.3	-845.3	750.8	0.00	0.00	0.00	
11,200.0	91.38	359.46	9,859.5	726.3	-845.8	800.6	0.00	0.00	0.00	
11,250.0	91.38	359.46	9,858.3	776.2	-846.3	850.4	0.00	0.00	0.00	
11,300.0	91.38	359.46	9,857.1	826.2	-846.8	900.2	0.00	0.00	0.00	
11,350.0	91.38	359.46	9,855.9	876.2	-847.2	950.0	0.00	0.00	0.00	
11,400.0	91.38	359.46	9,854.7	926.2	-847.7	999.9	0.00	0.00	0.00	
11,450.0	91.38	359.46	9,853.5	976.2	-848.2	1,049.7	0.00	0.00	0.00	
11,500.0	91.38	359.46	9,852.3	1,026.2	-848.6	1,099.5	0.00	0.00	0.00	
11,550.0	91.38	359.46	9,851.1	1,076.1	-849.1	1,149.3	0.00	0.00	0.00	
11,600.0	91.38	359.46	9,849.8	1,126.1	-849.6	1,199.1	0.00	0.00	0.00	
11,650.0	91.38	359.46	9,848.6	1,176.1	-850.1	1,248.9	0.00	0.00	0.00	
11,700.0	91.38	359.46	9,847.4	1,226.1	-850.5	1,298.8	0.00	0.00	0.00	
11,750.0	91.38	359.46	9,846.2	1,276.1	-851.0	1,348.6	0.00	0.00	0.00	
11,800.0	91.38	359.46	9,845.0	1,326.1	-851.5	1,398.4	0.00	0.00	0.00	
11,850.0	91.38	359.46	9,843.8	1,376.0	-852.0	1,448.2	0.00	0.00	0.00	
11,900.0	91.38	359.46	9,842.6	1,426.0	-852.4	1,498.0	0.00	0.00	0.00	
11,950.0	91.38	359.46	9,841.4	1,476.0	-852.9	1,547.8	0.00	0.00	0.00	
12,000.0	91.38	359.46	9,840.2	1,526.0	-853.4	1,597.7	0.00	0.00	0.00	
12,050.0	91.38	359.46	9,839.0	1,576.0	-853.9	1,647.5	0.00	0.00	0.00	
12,100.0	91.38	359.46	9,837.8	1,626.0	-854.3	1,697.3	0.00	0.00	0.00	
12,150.0	91.38	359.46	9,836.6	1,675.9	-854.8	1,747.1	0.00	0.00	0.00	
12,200.0	91.38	359.46	9,835.4	1,725.9	-855.3	1,796.9	0.00	0.00	0.00	
12,250.0	91.38	359.46	9,834.1	1,775.9	-855.8	1,846.7	0.00	0.00	0.00	
12,300.0	91.38	359.46	9,832.9	1,825.9	-856.2	1,896.6	0.00	0.00	0.00	
12,350.0	91.38	359.46	9,831.7	1,875.9	-856.7	1,946.4	0.00	0.00	0.00	
12,400.0	91.38	359.46	9,830.5	1,925.9	-857.2	1,996.2	0.00	0.00	0.00	
12,450.0	91.38	359.46	9,829.3	1,975.8	-857.7	2,046.0	0.00	0.00	0.00	
12,500.0	91.38	359.46	9,828.1	2,025.8	-858.1	2,095.8	0.00	0.00	0.00	
12,550.0	91.38	359.46	9,826.9	2,075.8	-858.6	2,145.6	0.00	0.00	0.00	
12,600.0	91.38	359.46	9,825.7	2,125.8	-859.1	2,195.5	0.00	0.00	0.00	
12,650.0	91.38	359.46	9,824.5	2,175.8	-859.5	2,245.3	0.00	0.00	0.00	
12,700.0	91.38	359.46	9,823.3	2,225.8	-860.0	2,295.1	0.00	0.00	0.00	
12,750.0	91.38	359.46	9,822.1	2,275.7	-860.5	2,344.9	0.00	0.00	0.00	
12,800.0	91.38	359.46	9,820.9	2,325.7	-861.0	2,394.7	0.00	0.00	0.00	
12,850.0	91.38	359.46	9,819.7	2,375.7	-861.4	2,444.5	0.00	0.00	0.00	
12,900.0	91.38	359.46	9,818.5	2,425.7	-861.9	2,494.4	0.00	0.00	0.00	
12,950.0	91.38	359.46	9,817.2	2,475.7	-862.4	2,544.2	0.00	0.00	0.00	
13,000.0	91.38	359.46	9,816.0	2,525.7	-862.9	2,594.0	0.00	0.00	0.00	

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site North Wilson Deep Unit #13H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3681.0usft (Original Well Elev)
Project:	Lea County, New Mexico NAD 83	MD Reference:	WELL @ 3681.0usft (Original Well Elev)
Site:	North Wilson Deep Unit #13H	North Reference:	Grid
Well:	Sec 17, T21S, R35E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 2542' FSL & 1850' FEL (Sec 5)		
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)	
13,050.0	91.38	359.46	9,814.8	2,575.6	-863.3	2,643.8	0.00	0.00	0.00	
13,100.0	91.38	359.46	9,813.6	2,625.6	-863.8	2,693.6	0.00	0.00	0.00	
13,150.0	91.38	359.46	9,812.4	2,675.6	-864.3	2,743.4	0.00	0.00	0.00	
13,200.0	91.38	359.46	9,811.2	2,725.6	-864.8	2,793.3	0.00	0.00	0.00	
13,250.0	91.38	359.46	9,810.0	2,775.6	-865.2	2,843.1	0.00	0.00	0.00	
13,300.0	91.38	359.46	9,808.8	2,825.6	-865.7	2,892.9	0.00	0.00	0.00	
13,350.0	91.38	359.46	9,807.6	2,875.5	-866.2	2,942.7	0.00	0.00	0.00	
13,400.0	91.38	359.46	9,806.4	2,925.5	-866.7	2,992.5	0.00	0.00	0.00	
13,450.0	91.38	359.46	9,805.2	2,975.5	-867.1	3,042.3	0.00	0.00	0.00	
13,500.0	91.38	359.46	9,804.0	3,025.5	-867.6	3,092.2	0.00	0.00	0.00	
13,550.0	91.38	359.46	9,802.8	3,075.5	-868.1	3,142.0	0.00	0.00	0.00	
13,600.0	91.38	359.46	9,801.5	3,125.5	-868.6	3,191.8	0.00	0.00	0.00	
13,650.0	91.38	359.46	9,800.3	3,175.4	-869.0	3,241.6	0.00	0.00	0.00	
13,700.0	91.38	359.46	9,799.1	3,225.4	-869.5	3,291.4	0.00	0.00	0.00	
13,750.0	91.38	359.46	9,797.9	3,275.4	-870.0	3,341.3	0.00	0.00	0.00	
13,800.0	91.38	359.46	9,796.7	3,325.4	-870.5	3,391.1	0.00	0.00	0.00	
13,850.0	91.38	359.46	9,795.5	3,375.4	-870.9	3,440.9	0.00	0.00	0.00	
13,900.0	91.38	359.46	9,794.3	3,425.4	-871.4	3,490.7	0.00	0.00	0.00	
13,950.0	91.38	359.46	9,793.1	3,475.3	-871.9	3,540.5	0.00	0.00	0.00	
14,000.0	91.38	359.46	9,791.9	3,525.3	-872.3	3,590.3	0.00	0.00	0.00	
14,050.0	91.38	359.46	9,790.7	3,575.3	-872.8	3,640.2	0.00	0.00	0.00	
14,100.0	91.38	359.46	9,789.5	3,625.3	-873.3	3,690.0	0.00	0.00	0.00	
14,150.0	91.38	359.46	9,788.3	3,675.3	-873.8	3,739.8	0.00	0.00	0.00	
14,200.0	91.38	359.46	9,787.1	3,725.3	-874.2	3,789.6	0.00	0.00	0.00	
14,250.0	91.38	359.46	9,785.8	3,775.2	-874.7	3,839.4	0.00	0.00	0.00	
14,300.0	91.38	359.46	9,784.6	3,825.2	-875.2	3,889.2	0.00	0.00	0.00	
14,350.0	91.38	359.46	9,783.4	3,875.2	-875.7	3,939.1	0.00	0.00	0.00	
14,400.0	91.38	359.46	9,782.2	3,925.2	-876.1	3,988.9	0.00	0.00	0.00	
14,450.0	91.38	359.46	9,781.0	3,975.2	-876.6	4,038.7	0.00	0.00	0.00	
14,500.0	91.38	359.46	9,779.8	4,025.2	-877.1	4,088.5	0.00	0.00	0.00	
14,550.0	91.38	359.46	9,778.6	4,075.1	-877.6	4,138.3	0.00	0.00	0.00	
14,600.0	91.38	359.46	9,777.4	4,125.1	-878.0	4,188.1	0.00	0.00	0.00	
14,650.0	91.38	359.46	9,776.2	4,175.1	-878.5	4,238.0	0.00	0.00	0.00	
14,700.0	91.38	359.46	9,775.0	4,225.1	-879.0	4,287.8	0.00	0.00	0.00	
14,750.0	91.38	359.46	9,773.8	4,275.1	-879.5	4,337.6	0.00	0.00	0.00	
14,800.0	91.38	359.46	9,772.6	4,325.1	-879.9	4,387.4	0.00	0.00	0.00	
14,850.0	91.38	359.46	9,771.4	4,375.0	-880.4	4,437.2	0.00	0.00	0.00	
14,900.0	91.38	359.46	9,770.1	4,425.0	-880.9	4,487.0	0.00	0.00	0.00	
14,950.0	91.38	359.46	9,768.9	4,475.0	-881.4	4,536.9	0.00	0.00	0.00	
15,000.0	91.38	359.46	9,767.7	4,525.0	-881.8	4,586.7	0.00	0.00	0.00	
15,050.0	91.38	359.46	9,766.5	4,575.0	-882.3	4,636.5	0.00	0.00	0.00	
15,100.0	91.38	359.46	9,765.3	4,625.0	-882.8	4,686.3	0.00	0.00	0.00	
15,150.0	91.38	359.46	9,764.1	4,674.9	-883.2	4,736.1	0.00	0.00	0.00	
15,200.0	91.38	359.46	9,762.9	4,724.9	-883.7	4,785.9	0.00	0.00	0.00	
15,250.0	91.38	359.46	9,761.7	4,774.9	-884.2	4,835.8	0.00	0.00	0.00	
15,300.0	91.38	359.46	9,760.5	4,824.9	-884.7	4,885.6	0.00	0.00	0.00	
15,350.0	91.38	359.46	9,759.3	4,874.9	-885.1	4,935.4	0.00	0.00	0.00	
15,400.0	91.38	359.46	9,758.1	4,924.9	-885.6	4,985.2	0.00	0.00	0.00	
15,450.0	91.38	359.46	9,756.9	4,974.8	-886.1	5,035.0	0.00	0.00	0.00	
15,500.0	91.38	359.46	9,755.7	5,024.8	-886.6	5,084.8	0.00	0.00	0.00	
15,550.0	91.38	359.46	9,754.5	5,074.8	-887.0	5,134.7	0.00	0.00	0.00	
15,600.0	91.38	359.46	9,753.2	5,124.8	-887.5	5,184.5	0.00	0.00	0.00	
15,650.0	91.38	359.46	9,752.0	5,174.8	-888.0	5,234.3	0.00	0.00	0.00	
15,700.0	91.38	359.46	9,750.8	5,224.8	-888.5	5,284.1	0.00	0.00	0.00	

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site North Wilson Deep Unit #13H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3681.0usft (Original Well Elev)
Project:	Lea County, New Mexico NAD 83	MD Reference:	WELL @ 3681.0usft (Original Well Elev)
Site:	North Wilson Deep Unit #13H	North Reference:	Grid
Well:	Sec 17, T21S, R35E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 2542' FSL & 1850' FEL (Sec 5)		
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)
15,750.0	91.38	359.46	9,749.6	5,274.7	-888.9	5,333.9	0.00	0.00	0.00
15,800.0	91.38	359.46	9,748.4	5,324.7	-889.4	5,383.7	0.00	0.00	0.00
15,850.0	91.38	359.46	9,747.2	5,374.7	-889.9	5,433.6	0.00	0.00	0.00
15,900.0	91.38	359.46	9,746.0	5,424.7	-890.4	5,483.4	0.00	0.00	0.00
15,950.0	91.38	359.46	9,744.8	5,474.7	-890.8	5,533.2	0.00	0.00	0.00
16,000.0	91.38	359.46	9,743.6	5,524.6	-891.3	5,583.0	0.00	0.00	0.00
16,050.0	91.38	359.46	9,742.4	5,574.6	-891.8	5,632.8	0.00	0.00	0.00
16,100.0	91.38	359.46	9,741.2	5,624.6	-892.3	5,682.7	0.00	0.00	0.00
16,150.0	91.38	359.46	9,740.0	5,674.6	-892.7	5,732.5	0.00	0.00	0.00
16,200.0	91.38	359.46	9,738.8	5,724.6	-893.2	5,782.3	0.00	0.00	0.00
16,250.0	91.38	359.46	9,737.5	5,774.6	-893.7	5,832.1	0.00	0.00	0.00
16,300.0	91.38	359.46	9,736.3	5,824.5	-894.2	5,881.9	0.00	0.00	0.00
16,350.0	91.38	359.46	9,735.1	5,874.5	-894.6	5,931.7	0.00	0.00	0.00
16,400.0	91.38	359.46	9,733.9	5,924.5	-895.1	5,981.6	0.00	0.00	0.00
16,450.0	91.38	359.46	9,732.7	5,974.5	-895.6	6,031.4	0.00	0.00	0.00
16,500.0	91.38	359.46	9,731.5	6,024.5	-896.0	6,081.2	0.00	0.00	0.00
16,550.0	91.38	359.46	9,730.3	6,074.5	-896.5	6,131.0	0.00	0.00	0.00
16,600.0	91.38	359.46	9,729.1	6,124.4	-897.0	6,180.8	0.00	0.00	0.00
16,650.0	91.38	359.46	9,727.9	6,174.4	-897.5	6,230.6	0.00	0.00	0.00
16,700.0	91.38	359.46	9,726.7	6,224.4	-897.9	6,280.5	0.00	0.00	0.00
16,750.0	91.38	359.46	9,725.5	6,274.4	-898.4	6,330.3	0.00	0.00	0.00
16,800.0	91.38	359.46	9,724.3	6,324.4	-898.9	6,380.1	0.00	0.00	0.00
16,850.0	91.38	359.46	9,723.1	6,374.4	-899.4	6,429.9	0.00	0.00	0.00
16,900.0	91.38	359.46	9,721.8	6,424.3	-899.8	6,479.7	0.00	0.00	0.00
16,950.0	91.38	359.46	9,720.6	6,474.3	-900.3	6,529.5	0.00	0.00	0.00
17,000.0	91.38	359.46	9,719.4	6,524.3	-900.8	6,579.4	0.00	0.00	0.00
17,050.0	91.38	359.46	9,718.2	6,574.3	-901.3	6,629.2	0.00	0.00	0.00
17,100.0	91.38	359.46	9,717.0	6,624.3	-901.7	6,679.0	0.00	0.00	0.00
17,150.0	91.38	359.46	9,715.8	6,674.3	-902.2	6,728.8	0.00	0.00	0.00
17,200.0	91.38	359.46	9,714.6	6,724.2	-902.7	6,778.6	0.00	0.00	0.00
17,250.0	91.38	359.46	9,713.4	6,774.2	-903.2	6,828.4	0.00	0.00	0.00
17,300.0	91.38	359.46	9,712.2	6,824.2	-903.6	6,878.3	0.00	0.00	0.00
17,350.0	91.38	359.46	9,711.0	6,874.2	-904.1	6,928.1	0.00	0.00	0.00
17,400.0	91.38	359.46	9,709.8	6,924.2	-904.6	6,977.9	0.00	0.00	0.00
17,450.0	91.38	359.46	9,708.6	6,974.2	-905.1	7,027.7	0.00	0.00	0.00
17,500.0	91.38	359.46	9,707.4	7,024.1	-905.5	7,077.5	0.00	0.00	0.00
17,550.0	91.38	359.46	9,706.1	7,074.1	-906.0	7,127.3	0.00	0.00	0.00
17,600.0	91.38	359.46	9,704.9	7,124.1	-906.5	7,177.2	0.00	0.00	0.00
17,650.0	91.38	359.46	9,703.7	7,174.1	-906.9	7,227.0	0.00	0.00	0.00
17,700.0	91.38	359.46	9,702.5	7,224.1	-907.4	7,276.8	0.00	0.00	0.00
17,750.0	91.38	359.46	9,701.3	7,274.1	-907.9	7,326.6	0.00	0.00	0.00
17,800.0	91.38	359.46	9,700.1	7,324.0	-908.4	7,376.4	0.00	0.00	0.00
17,850.0	91.38	359.46	9,698.9	7,374.0	-908.8	7,426.2	0.00	0.00	0.00
17,900.0	91.38	359.46	9,697.7	7,424.0	-909.3	7,476.1	0.00	0.00	0.00
17,950.0	91.38	359.46	9,696.5	7,474.0	-909.8	7,525.9	0.00	0.00	0.00
18,000.0	91.38	359.46	9,695.3	7,524.0	-910.3	7,575.7	0.00	0.00	0.00
18,050.0	91.38	359.46	9,694.1	7,574.0	-910.7	7,625.5	0.00	0.00	0.00
18,100.0	91.38	359.46	9,692.9	7,623.9	-911.2	7,675.3	0.00	0.00	0.00
18,150.0	91.38	359.46	9,691.7	7,673.9	-911.7	7,725.1	0.00	0.00	0.00
18,200.0	91.38	359.46	9,690.5	7,723.9	-912.2	7,775.0	0.00	0.00	0.00
18,250.0	91.38	359.46	9,689.2	7,773.9	-912.6	7,824.8	0.00	0.00	0.00
18,300.0	91.38	359.46	9,688.0	7,823.9	-913.1	7,874.6	0.00	0.00	0.00
18,350.0	91.38	359.46	9,686.8	7,873.9	-913.6	7,924.4	0.00	0.00	0.00
18,400.0	91.38	359.46	9,685.6	7,923.8	-914.1	7,974.2	0.00	0.00	0.00

Planning Report

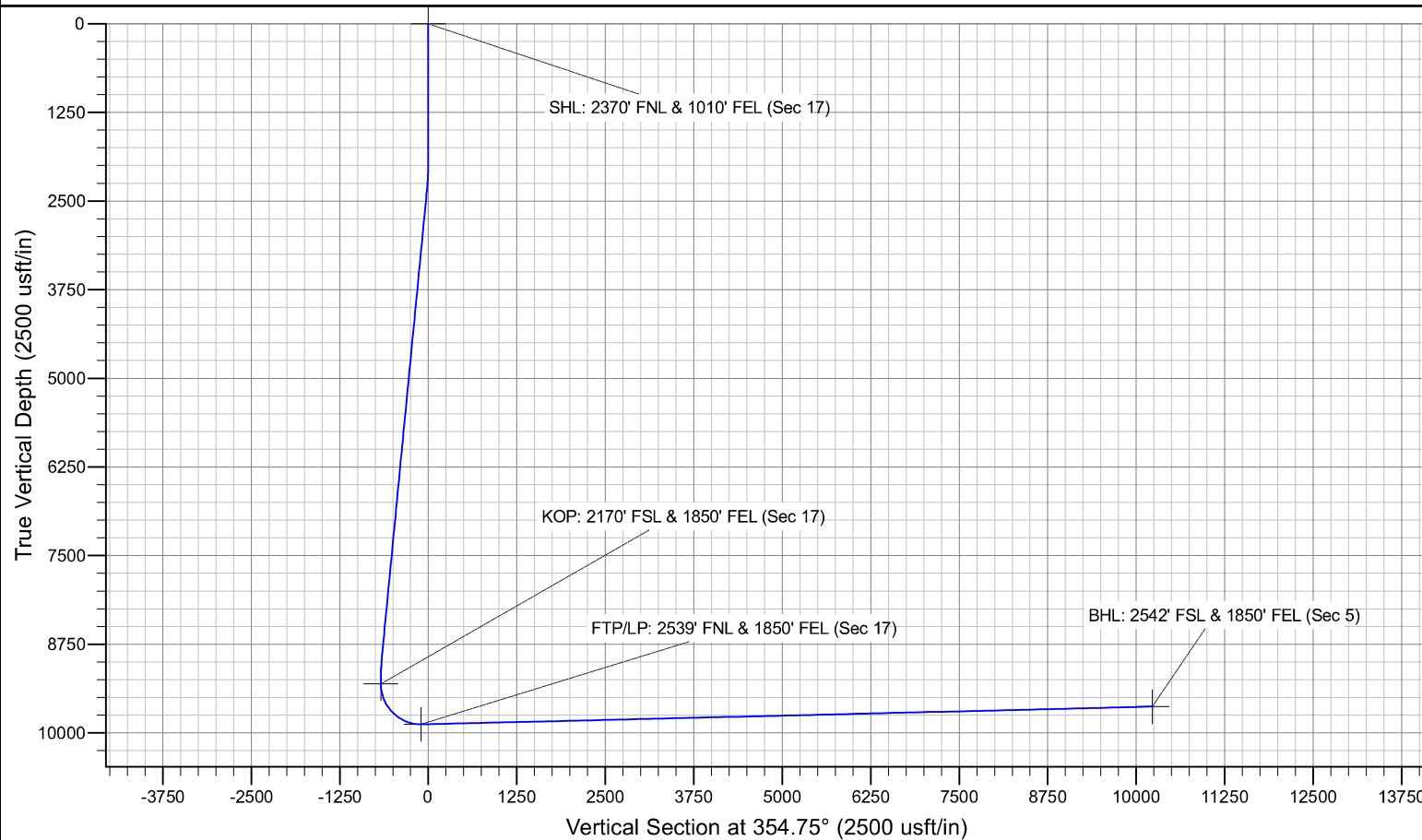
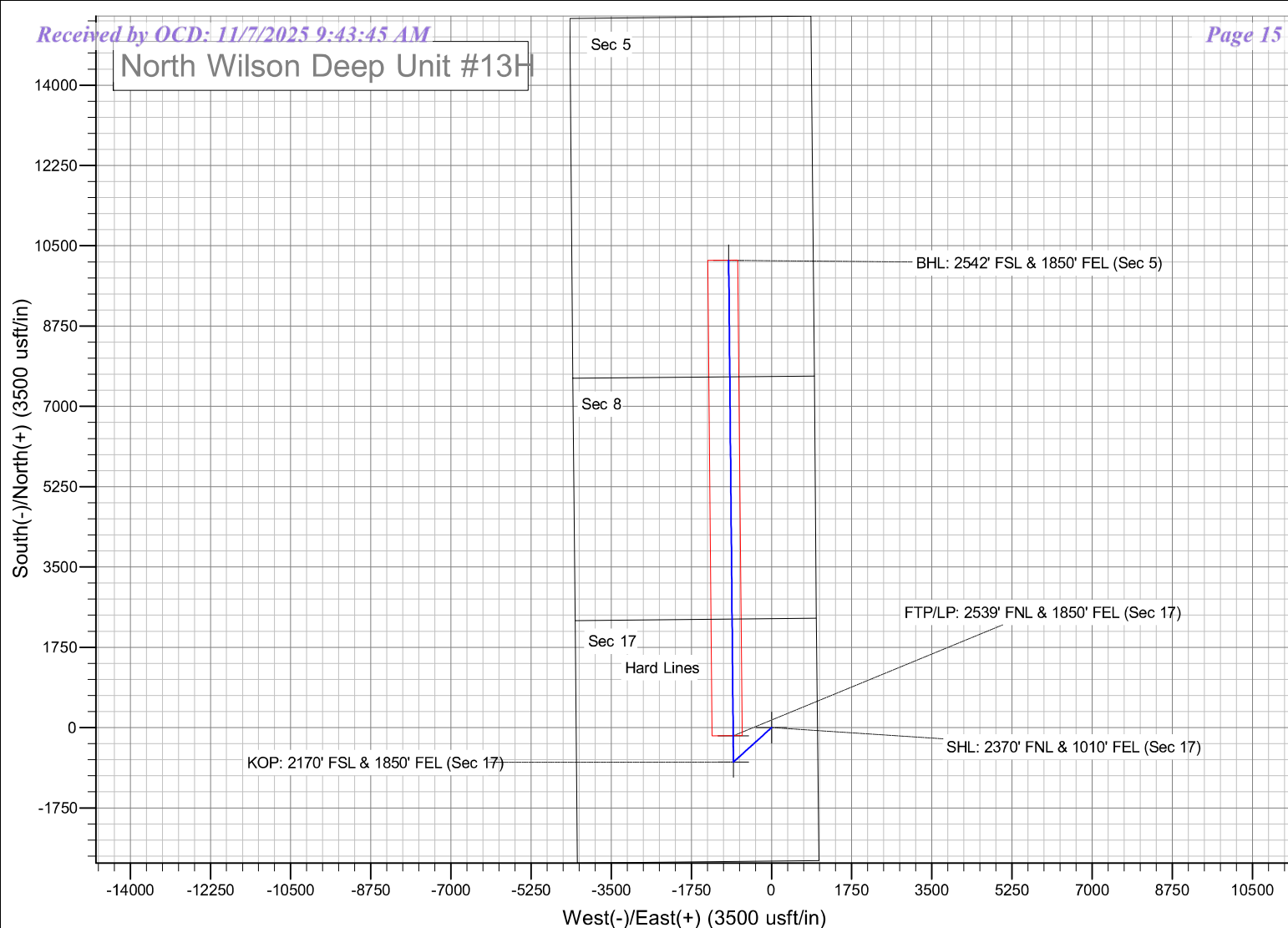
Database:	Hobbs	Local Co-ordinate Reference:	Site North Wilson Deep Unit #13H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3681.0usft (Original Well Elev)
Project:	Lea County, New Mexico NAD 83	MD Reference:	WELL @ 3681.0usft (Original Well Elev)
Site:	North Wilson Deep Unit #13H	North Reference:	Grid
Well:	Sec 17, T21S, R35E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 2542' FSL & 1850' FEL (Sec 5)		
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)
18,450.0	91.38	359.46	9,684.4	7,973.8	-914.5	8,024.0	0.00	0.00	0.00
18,500.0	91.38	359.46	9,683.2	8,023.8	-915.0	8,073.9	0.00	0.00	0.00
18,550.0	91.38	359.46	9,682.0	8,073.8	-915.5	8,123.7	0.00	0.00	0.00
18,600.0	91.38	359.46	9,680.8	8,123.8	-916.0	8,173.5	0.00	0.00	0.00
18,650.0	91.38	359.46	9,679.6	8,173.8	-916.4	8,223.3	0.00	0.00	0.00
18,700.0	91.38	359.46	9,678.4	8,223.7	-916.9	8,273.1	0.00	0.00	0.00
18,750.0	91.38	359.46	9,677.2	8,273.7	-917.4	8,323.0	0.00	0.00	0.00
18,800.0	91.38	359.46	9,676.0	8,323.7	-917.9	8,372.8	0.00	0.00	0.00
18,850.0	91.38	359.46	9,674.8	8,373.7	-918.3	8,422.6	0.00	0.00	0.00
18,900.0	91.38	359.46	9,673.5	8,423.7	-918.8	8,472.4	0.00	0.00	0.00
18,950.0	91.38	359.46	9,672.3	8,473.7	-919.3	8,522.2	0.00	0.00	0.00
19,000.0	91.38	359.46	9,671.1	8,523.6	-919.7	8,572.0	0.00	0.00	0.00
19,050.0	91.38	359.46	9,669.9	8,573.6	-920.2	8,621.9	0.00	0.00	0.00
19,100.0	91.38	359.46	9,668.7	8,623.6	-920.7	8,671.7	0.00	0.00	0.00
19,150.0	91.38	359.46	9,667.5	8,673.6	-921.2	8,721.5	0.00	0.00	0.00
19,200.0	91.38	359.46	9,666.3	8,723.6	-921.6	8,771.3	0.00	0.00	0.00
19,250.0	91.38	359.46	9,665.1	8,773.6	-922.1	8,821.1	0.00	0.00	0.00
19,300.0	91.38	359.46	9,663.9	8,823.5	-922.6	8,870.9	0.00	0.00	0.00
19,350.0	91.38	359.46	9,662.7	8,873.5	-923.1	8,920.8	0.00	0.00	0.00
19,400.0	91.38	359.46	9,661.5	8,923.5	-923.5	8,970.6	0.00	0.00	0.00
19,450.0	91.38	359.46	9,660.3	8,973.5	-924.0	9,020.4	0.00	0.00	0.00
19,500.0	91.38	359.46	9,659.1	9,023.5	-924.5	9,070.2	0.00	0.00	0.00
19,550.0	91.38	359.46	9,657.8	9,073.5	-925.0	9,120.0	0.00	0.00	0.00
19,600.0	91.38	359.46	9,656.6	9,123.4	-925.4	9,169.8	0.00	0.00	0.00
19,650.0	91.38	359.46	9,655.4	9,173.4	-925.9	9,219.7	0.00	0.00	0.00
19,700.0	91.38	359.46	9,654.2	9,223.4	-926.4	9,269.5	0.00	0.00	0.00
19,750.0	91.38	359.46	9,653.0	9,273.4	-926.9	9,319.3	0.00	0.00	0.00
19,800.0	91.38	359.46	9,651.8	9,323.4	-927.3	9,369.1	0.00	0.00	0.00
19,850.0	91.38	359.46	9,650.6	9,373.4	-927.8	9,418.9	0.00	0.00	0.00
19,900.0	91.38	359.46	9,649.4	9,423.3	-928.3	9,468.7	0.00	0.00	0.00
19,950.0	91.38	359.46	9,648.2	9,473.3	-928.8	9,518.6	0.00	0.00	0.00
20,000.0	91.38	359.46	9,647.0	9,523.3	-929.2	9,568.4	0.00	0.00	0.00
20,050.0	91.38	359.46	9,645.8	9,573.3	-929.7	9,618.2	0.00	0.00	0.00
20,100.0	91.38	359.46	9,644.6	9,623.3	-930.2	9,668.0	0.00	0.00	0.00
20,150.0	91.38	359.46	9,643.4	9,673.3	-930.6	9,717.8	0.00	0.00	0.00
20,200.0	91.38	359.46	9,642.1	9,723.2	-931.1	9,767.6	0.00	0.00	0.00
20,250.0	91.38	359.46	9,640.9	9,773.2	-931.6	9,817.5	0.00	0.00	0.00
20,300.0	91.38	359.46	9,639.7	9,823.2	-932.1	9,867.3	0.00	0.00	0.00
20,350.0	91.38	359.46	9,638.5	9,873.2	-932.5	9,917.1	0.00	0.00	0.00
20,400.0	91.38	359.46	9,637.3	9,923.2	-933.0	9,966.9	0.00	0.00	0.00
20,450.0	91.38	359.46	9,636.1	9,973.2	-933.5	10,016.7	0.00	0.00	0.00
20,500.0	91.38	359.46	9,634.9	10,023.1	-934.0	10,066.5	0.00	0.00	0.00
20,550.0	91.38	359.46	9,633.7	10,073.1	-934.4	10,116.4	0.00	0.00	0.00
20,600.0	91.38	359.46	9,632.5	10,123.1	-934.9	10,166.2	0.00	0.00	0.00
20,650.0	91.38	359.46	9,631.3	10,173.1	-935.4	10,216.0	0.00	0.00	0.00
20,661.6	91.38	359.46	9,631.0	10,184.7	-935.5	10,227.6	0.00	0.00	0.00
BHL: 2542' FSL & 1850' FEL (Sec 5)									

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site North Wilson Deep Unit #13H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3681.0usft (Original Well Elev)
Project:	Lea County, New Mexico NAD 83	MD Reference:	WELL @ 3681.0usft (Original Well Elev)
Site:	North Wilson Deep Unit #13H	North Reference:	Grid
Well:	Sec 17, T21S, R35E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 2542' FSL & 1850' FEL (Sec 5)		
Design:	Design #1		

Design Targets									
Target Name									
- hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- Shape	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
SHL: 2370' FNL & 10' - plan hits target center - Point	0.00	0.00	0.0	0.0	0.0	539,572.90	833,959.50	32.4797711	-103.3843990
KOP: 2170' FSL & 18' - plan hits target center - Point	0.00	0.00	9,308.0	-750.3	-831.8	538,822.60	833,127.70	32.4777293	-103.3871176
BHL: 2542' FSL & 18' - plan hits target center - Point	0.00	0.00	9,631.0	10,184.7	-935.5	549,757.60	833,024.00	32.5077857	-103.3871393
FTP/LP: 2539' FNL & - plan hits target center - Point	0.00	0.00	9,881.2	-177.5	-837.2	539,395.40	833,122.30	32.4793037	-103.3871187



Mewbourne Oil Company							
North Wilson Deep Unit 13H							
SHL: 2370' FNL & 1010' FEL (Sec 17)							
BHL: 2542' FSL & 1850' FEL (Sec 5)							
Casing Type	Fluid Type	Hole Size (in)	Casing Description	Top MD	Setting Depth	Sacks Cement	Top of Cement
Surface	Fresh Water	17.5	13.375" 54.5# J55 STC	0	1915	1330	0'
Intermediate	Brine	12.25	9.625" 36# J55 LTC	0'	3385'	Stg 1: 340	0'
Intermediate		12.25	9.625" 40# J55 LTC	3385'	4307'	DV Tool @ 4075'	
Intermediate		12.25	9.625" 40# HCL80 LTC	4307'	5500'	Stg 2: 770	
Production	Cut Brine	8.75	7" 26# P110 LTC	0'	9354'	1230	4050'
Liner	OBM	6.125	4.5" 13.5# P110 LTC	9154'	20619'	730	9154'

Formation	Est. Top (TVD)	Formation	Est. Top (TVD)
Rustler	1840	Delaware (Lamar)	
Castile		Bell Canyon	
Salt Top	1970	Cherry Canyon	5570
Marker Bed 126		Manzanita Marker	
Salt Base	3490	Basal Brushy Canyon	7620
Yates	3730	Bone Spring	7950
Seven Rivers		1st Bone Spring Carbonate	8210
Queen		1st Bone Spring Sand	9080
Capitan	4100	2nd Bone Spring Carbonate	9390
Grayburg		2nd Bone Spring Sand	9650
San Andres		3rd Bone Spring Carbonate	10030
Glorietta		3rd Bone Spring Sand	10440
Yeso		Wolfcamp	10570

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/oed/contact-us>

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 524357

CONDITIONS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 524357
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
ward.rikala	Any previous COA's not addressed within the updated COA's still apply.	11/10/2025