

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. 30-015-57327
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Buffalo Nickel 33/34 State Com
8. Well Number 718H
9. OGRID Number 14744
10. Pool name or Wildcat AVALON; WOLFCAMP (GAS)
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3256' GEL

SUNDRY NOTICES AND REPORTS ON WELLS
 (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☐ Gas Well ☒ Other ☐

2. Name of Operator
Mewbourne Oil Company

3. Address of Operator
4801 Business Park Blvd, Hobbs, NM 88240

4. Well Location
 Unit Letter I: 1840 feet from the SOUTH line and 280 feet from the EAST line
 Section 32 Township 21S Range 26E NMPM County EDDY

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

NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK ☐	REMEDIAL WORK ☐
TEMPORARILY ABANDON ☐	ALTERING CASING ☐
PULL OR ALTER CASING ☐	COMMENCE DRILLING OPNS. ☐
DOWNHOLE COMMINGLE ☐	P AND A ☐
CLOSED-LOOP SYSTEM ☐	CASING/CEMENT JOB ☐
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 following changes be made to the Buffalo Nickel 33/34 State Com #718H:

1. Change name from Buffalo Nickel 33/34 State Com 718H to Buffalo Nickel 33/35 State Com 718H.
2. Change BHL from 660' FSL & 100' FEL, Sec 34, T21S R26E, Eddy Co., NM to 660' FSL & 2363' FWL, Sec 35, T21S R26E, Eddy Co., NM.
3. Change dedicated acreage from 1121.12 to 800 acres.

Spud Date:

11/30/2025

Rig Release Date:

12/22/2025

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 10/29/2025

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 30-015-57327	Pool Code 71120	Pool Name AVALON; WOLFCAMP (GAS)
Property Code 337809	Property Name BUFFALO NICKEL 33/35 STATE COM	Well Number 718H
OGRID No. 14744	Operator Name MEWBOURNE OIL COMPANY	Ground Level Elevation 3256'
Surface Owner: ☐ State ☒ Fee ☐ Tribal ☒ Federal		Mineral Owner: ☒ State ☒ Fee ☐ Tribal ☐ Federal

Surface Location

UL I	Section 32	Township 21S	Range 26E	Lot	Ft. from N/S 2060 FSL	Ft. from E/W 280 FEL	Latitude 32.4345867°N	Longitude 104.3074711°W	County EDDY
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Bottom Hole Location

UL N	Section 35	Township 21S	Range 26E	Lot	Ft. from N/S 660 FSL	Ft. from E/W 2363 FWL	Latitude 32.4305485°N	Longitude 104.2642203°W	County EDDY
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Dedicated Acres 800	Infill or Defining Well DEFINING	Defining Well API	Overlapping Spacing Unit (Y/N) N	Consolidation Code C
Order Numbers. N/A			Well setbacks are under Common Ownership: ☐ Yes ☒ No	

Kick Off Point (KOP)

UL P	Section 32	Township 21S	Range 26E	Lot	Ft. from N/S 660 FSL	Ft. from E/W 243 FEL	Latitude 32.4307485°N	Longitude 104.3075431°W	County EDDY
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First Take Point (FTP)

UL M	Section 33	Township 21S	Range 26E	Lot	Ft. from N/S 660 FSL	Ft. from E/W 330 FWL	Latitude 32.4307882°N	Longitude 104.3056876°W	County EDDY
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Last Take Point (LTP)

UL N	Section 35	Township 21S	Range 26E	Lot	Ft. from N/S 660 FSL	Ft. from E/W 2363 FWL	Latitude 32.4305485°N	Longitude 104.2642203°W	County EDDY
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Unitized Area or Area of Uniform Interest N/A	Spacing Unit Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation: 3256'
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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> <i>Alex Garza</i> 10/29/2025 Signature Date		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 and Seal of Professional Surveyor <i>Robert M. Howett</i>	
Printed Name Alex Garza alex.garza@mewbourne.com Email Address		Certificate Number 19680 Date of Survey 06/04/2025	

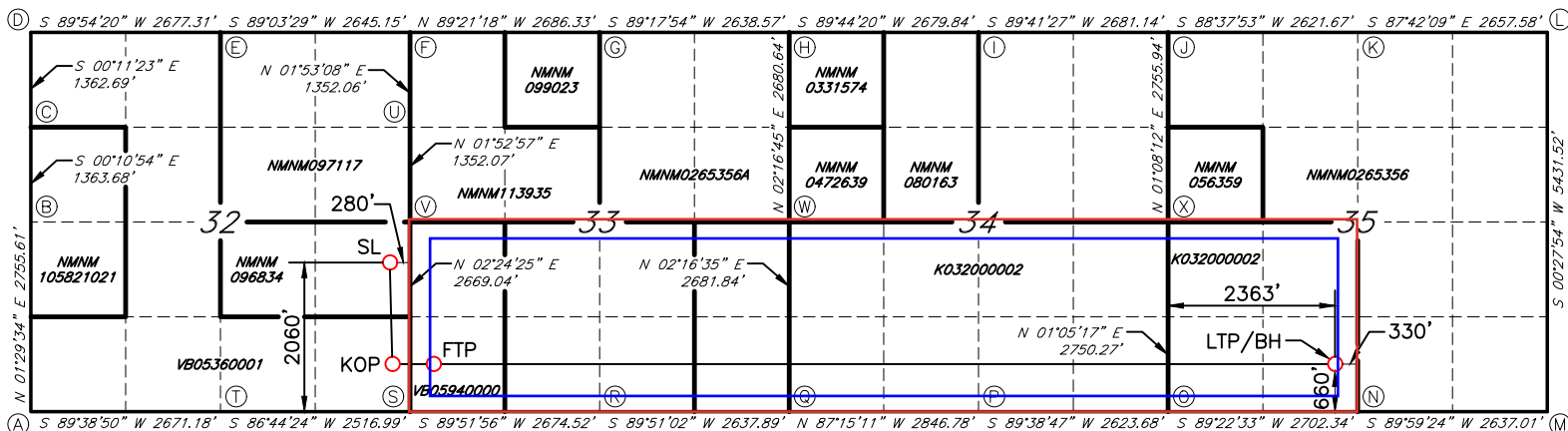
Note: No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

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.

BUFFALO NICKEL 33/35 STATE COM #718H



GEODETIC DATA

NAD 83 GRID - NM EAST

SURFACE LOCATION (SL)

2060' FSL & 280' FEL SEC.32
N: 521834.7 - E: 549316.4

LAT: 32.4345867° N
LONG: 104.3074711° W

KICK OFF POINT (KOP)

660' FSL & 243' FEL SEC.32
N: 520438.4 - E: 549294.6

LAT: 32.4307485° N
LONG: 104.3075431° W

FIRST TAKE POINT (FTP)

660' FSL & 330' FWL SEC.33
N: 520453.0 - E: 549867.0

LAT: 32.4307882° N
LONG: 104.3056876° W

LAST TAKE POINT/BOTTOM HOLE (LTP/BH)

660' FSL & 2363' FWL SEC.35
N: 520371.6 - E: 562661.0

LAT: 32.4305485° N
LONG: 104.2642203° W

CORNER DATA

NAD 83 GRID - NM EAST

A: FOUND BRASS CAP "1943"
N: 519633.4 - F: 544326.6

B: FOUND BRASS CAP "1943"
N: 522387.4 - E: 544398.4

C: FOUND BRASS CAP "1976"
N: 523750.7 - E: 544394.1

D: FOUND BRASS CAP "1943"
N: 525113.1 - E: 544389.6

E: FOUND BRASS CAP "1976"
N: 525117.5 - E: 547066.2

F: FOUND BRASS CAP "1976"
N: 525161.0 - F: 549710.4

G: FOUND BRASS CAP "1976"
N: 525130.7 - E: 552395.9

H: FOUND BRASS CAP "1976"
N: 525163.0 - E: 555033.6

I: FOUND BRASS CAP "1976"
N: 525175.3 - E: 557712.8

J: FOUND BRASS CAP "1976"
N: 525189.7 - F: 560393.2

K: FOUND NAIL W/ WASHER
N: 525252.3 - F: 563013.5

L: CALCULATED CORNER
N: 525145.8 - E: 565668.3

M: FOUND REBAR
N: 519715.8 - E: 565624.2

N: FOUND REBAR
N: 519715.3 - E: 562987.9

O: FOUND REBAR
N: 519685.9 - E: 560286.3

P: FOUND BRASS CAP "1943"
N: 519669.7 - E: 557663.3

Q: FOUND BRASS CAP "1943"
N: 519806.1 - E: 554820.5

R: FOUND ALUM CAP PS & PE "5412"
N: 519799.2 - E: 552183.3

S: FOUND BRASS CAP "1943"
N: 519792.9 - E: 549509.4

T: FOUND BRASS CAP "1943"
N: 519649.8 - F: 546997.1

U: FOUND 1/2" REBAR
N: 523810.0 - E: 549665.9

V: FOUND BRASS CAP "1976"
N: 522459.0 - E: 549621.5

W: FOUND BRASS CAP "1976"
N: 522485.2 - E: 554927.0

X: FOUND COTTON SPINDLE
N: 522435.0 - E: 560338.6

JOB #: LS25010028D2

Mewbourne Oil Company Buffalo Nickel 33/35 State Com 718H SHL: 2060' FSL & 280' FEL (Sec 32) BHL: 660' FSL & 2363' FWL (Sec 35)							
Casing Type	Fluid Type	Hole Size (in)	Casing Description	Top MD	Setting Depth	Sacks Cement	Top of Cement
Conductor	Fresh Water	26	20" 94# H40 STC	0	200	360	0'
Surface	Brine	17.5	13.375" 48# H40 STC	0'	648	440	0'
Intermediate 1	Fresh Water	12.25	9.625" 36# J55 LTC	0'	2080	490	0'
Production	Cut-Brine	8.75	7" 26# P110 LTC	0'	7961	770	673'
Liner	OBM	6.125	4.5" 13.5# P110 LTC	7761'	21660	890	7761'

Formation	Est. Top (TVD)	Formation	Est. Top (TVD)
Rustler		Delaware (Lamar)	
Castile		Bell Canyon	
Salt Top		Cherry Canyon	2155
Marker Bed 126		Manzanita Marker	
Salt Base		Basal Brushy Canyon	3236
Yates	368	Bone Spring	4612
Seven Rivers		1st Bone Spring Carbonate	5492
Queen		1st Bone Spring Sand	5843
Capitan	723	2nd Bone Spring Carbonate	6093
Grayburg		2nd Bone Spring Sand	7908
San Andres		3rd Bone Spring Carbonate	
Glorietta		3rd Bone Spring Sand	
Yeso		Wolfcamp	8280

Mewbourne Oil Company

Eddy County, New Mexico NAD 83

Buffalo Nickel 33/35 State Com #718H

Sec 32, T21S, R26E

SHL: 2060' FSL & 280' FEL (Sec 32)

BHL: 660' FSL & 2363' FWL (Sec 35)

Plan: Design #1

Standard Planning Report

29 October, 2025

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Buffalo Nickel 33/35 State Com #718H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3284.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3284.0usft (Original Well Elev)
Site:	Buffalo Nickel 33/35 State Com #718H	North Reference:	Grid
Well:	Sec 32, T21S, R26E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 660' FSL & 2363' FWL (Sec 35)		
Design:	Design #1		

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		Buffalo Nickel 33/35 State Com #718H			
Site Position:		Northing:	521,834.70 usft	Latitude:	32.4345867
From:	Map	Easting:	549,316.40 usft	Longitude:	-104.3074712
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "		

Well	Sec 32, T21S, R26E					
Well Position	+N/-S	0.0 usft	Northing:	521,834.70 usft	Latitude:	32.4345867
	+E/-W	0.0 usft	Easting:	549,316.40 usft	Longitude:	-104.3074712
Position Uncertainty		0.0 usft	Wellhead Elevation:	3,284.0 usft	Ground Level:	3,256.0 usft
Grid Convergence:		0.01 °				

Wellbore	BHL: 660' FSL & 2363' FWL (Sec 35)				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	12/31/2014	7.50	60.17	48,284.62464932

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	96.26	

Plan Survey Tool Program	Date	10/29/2025			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.0	21,660.2	Design #1 (BHL: 660' FSL & 2363'		

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	
2,080.0	0.00	0.00	2,080.0	0.0	0.0	0.00	0.00	0.00	0.00	

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Buffalo Nickel 33/35 State Com #718H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3284.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3284.0usft (Original Well Elev)
Site:	Buffalo Nickel 33/35 State Com #718H	North Reference:	Grid
Well:	Sec 32, T21S, R26E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 660' FSL & 2363' FWL (Sec 35)		
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: 2060' FSL & 280' FEL (Sec 32)									
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
1,950.0	0.00	0.00	1,950.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,050.0	0.00	0.00	2,050.0	0.0	0.0	0.0	0.00	0.00	0.00
2,080.0	0.00	0.00	2,080.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.40	180.89	2,100.0	-0.1	0.0	0.0	2.00	2.00	0.00
2,150.0	1.40	180.89	2,150.0	-0.9	0.0	0.1	2.00	2.00	0.00
2,200.0	2.40	180.89	2,200.0	-2.5	0.0	0.2	2.00	2.00	0.00
2,250.0	3.40	180.89	2,249.9	-5.0	-0.1	0.5	2.00	2.00	0.00
2,300.0	4.40	180.89	2,299.8	-8.4	-0.1	0.8	2.00	2.00	0.00
2,350.0	5.40	180.89	2,349.6	-12.7	-0.2	1.2	2.00	2.00	0.00
2,400.0	6.40	180.89	2,399.3	-17.9	-0.3	1.7	2.00	2.00	0.00
2,450.0	7.40	180.89	2,449.0	-23.9	-0.4	2.2	2.00	2.00	0.00
2,500.0	8.40	180.89	2,498.5	-30.7	-0.5	2.9	2.00	2.00	0.00
2,550.0	9.40	180.89	2,547.9	-38.5	-0.6	3.6	2.00	2.00	0.00

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Buffalo Nickel 33/35 State Com #718H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3284.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3284.0usft (Original Well Elev)
Site:	Buffalo Nickel 33/35 State Com #718H	North Reference:	Grid
Well:	Sec 32, T21S, R26E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 660' FSL & 2363' FWL (Sec 35)		
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)	
2,600.0	10.40	180.89	2,597.1	-47.1	-0.7	4.4	2.00	2.00	0.00	
2,650.0	11.40	180.89	2,646.2	-56.5	-0.9	5.3	2.00	2.00	0.00	
2,700.0	12.40	180.89	2,695.2	-66.8	-1.0	6.2	2.00	2.00	0.00	
2,750.0	13.40	180.89	2,743.9	-78.0	-1.2	7.3	2.00	2.00	0.00	
2,800.0	14.40	180.89	2,792.4	-90.0	-1.4	8.4	2.00	2.00	0.00	
2,850.0	15.40	180.89	2,840.8	-102.8	-1.6	9.6	2.00	2.00	0.00	
2,876.2	15.92	180.89	2,866.0	-109.9	-1.7	10.3	2.00	2.00	0.00	
2,900.0	15.92	180.89	2,888.9	-116.4	-1.8	10.9	0.00	0.00	0.00	
2,950.0	15.92	180.89	2,937.0	-130.2	-2.0	12.2	0.00	0.00	0.00	
3,000.0	15.92	180.89	2,985.0	-143.9	-2.2	13.4	0.00	0.00	0.00	
3,050.0	15.92	180.89	3,033.1	-157.6	-2.5	14.7	0.00	0.00	0.00	
3,100.0	15.92	180.89	3,081.2	-171.3	-2.7	16.0	0.00	0.00	0.00	
3,150.0	15.92	180.89	3,129.3	-185.0	-2.9	17.3	0.00	0.00	0.00	
3,200.0	15.92	180.89	3,177.4	-198.7	-3.1	18.6	0.00	0.00	0.00	
3,250.0	15.92	180.89	3,225.4	-212.5	-3.3	19.9	0.00	0.00	0.00	
3,300.0	15.92	180.89	3,273.5	-226.2	-3.5	21.1	0.00	0.00	0.00	
3,350.0	15.92	180.89	3,321.6	-239.9	-3.7	22.4	0.00	0.00	0.00	
3,400.0	15.92	180.89	3,369.7	-253.6	-4.0	23.7	0.00	0.00	0.00	
3,450.0	15.92	180.89	3,417.8	-267.3	-4.2	25.0	0.00	0.00	0.00	
3,500.0	15.92	180.89	3,465.9	-281.0	-4.4	26.3	0.00	0.00	0.00	
3,550.0	15.92	180.89	3,513.9	-294.8	-4.6	27.6	0.00	0.00	0.00	
3,600.0	15.92	180.89	3,562.0	-308.5	-4.8	28.8	0.00	0.00	0.00	
3,650.0	15.92	180.89	3,610.1	-322.2	-5.0	30.1	0.00	0.00	0.00	
3,700.0	15.92	180.89	3,658.2	-335.9	-5.2	31.4	0.00	0.00	0.00	
3,750.0	15.92	180.89	3,706.3	-349.6	-5.5	32.7	0.00	0.00	0.00	
3,800.0	15.92	180.89	3,754.3	-363.3	-5.7	34.0	0.00	0.00	0.00	
3,850.0	15.92	180.89	3,802.4	-377.1	-5.9	35.2	0.00	0.00	0.00	
3,900.0	15.92	180.89	3,850.5	-390.8	-6.1	36.5	0.00	0.00	0.00	
3,950.0	15.92	180.89	3,898.6	-404.5	-6.3	37.8	0.00	0.00	0.00	
4,000.0	15.92	180.89	3,946.7	-418.2	-6.5	39.1	0.00	0.00	0.00	
4,050.0	15.92	180.89	3,994.7	-431.9	-6.7	40.4	0.00	0.00	0.00	
4,100.0	15.92	180.89	4,042.8	-445.6	-7.0	41.7	0.00	0.00	0.00	
4,150.0	15.92	180.89	4,090.9	-459.4	-7.2	42.9	0.00	0.00	0.00	
4,200.0	15.92	180.89	4,139.0	-473.1	-7.4	44.2	0.00	0.00	0.00	
4,250.0	15.92	180.89	4,187.1	-486.8	-7.6	45.5	0.00	0.00	0.00	
4,300.0	15.92	180.89	4,235.2	-500.5	-7.8	46.8	0.00	0.00	0.00	
4,350.0	15.92	180.89	4,283.2	-514.2	-8.0	48.1	0.00	0.00	0.00	
4,400.0	15.92	180.89	4,331.3	-527.9	-8.2	49.3	0.00	0.00	0.00	
4,450.0	15.92	180.89	4,379.4	-541.7	-8.5	50.6	0.00	0.00	0.00	
4,500.0	15.92	180.89	4,427.5	-555.4	-8.7	51.9	0.00	0.00	0.00	
4,550.0	15.92	180.89	4,475.6	-569.1	-8.9	53.2	0.00	0.00	0.00	
4,600.0	15.92	180.89	4,523.6	-582.8	-9.1	54.5	0.00	0.00	0.00	
4,650.0	15.92	180.89	4,571.7	-596.5	-9.3	55.8	0.00	0.00	0.00	
4,700.0	15.92	180.89	4,619.8	-610.2	-9.5	57.0	0.00	0.00	0.00	
4,750.0	15.92	180.89	4,667.9	-623.9	-9.7	58.3	0.00	0.00	0.00	
4,800.0	15.92	180.89	4,716.0	-637.7	-10.0	59.6	0.00	0.00	0.00	
4,850.0	15.92	180.89	4,764.1	-651.4	-10.2	60.9	0.00	0.00	0.00	
4,900.0	15.92	180.89	4,812.1	-665.1	-10.4	62.2	0.00	0.00	0.00	
4,950.0	15.92	180.89	4,860.2	-678.8	-10.6	63.4	0.00	0.00	0.00	
5,000.0	15.92	180.89	4,908.3	-692.5	-10.8	64.7	0.00	0.00	0.00	
5,050.0	15.92	180.89	4,956.4	-706.2	-11.0	66.0	0.00	0.00	0.00	
5,100.0	15.92	180.89	5,004.5	-720.0	-11.2	67.3	0.00	0.00	0.00	
5,118.4	15.92	180.89	5,022.1	-725.0	-11.3	67.8	0.00	0.00	0.00	

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Buffalo Nickel 33/35 State Com #718H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3284.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3284.0usft (Original Well Elev)
Site:	Buffalo Nickel 33/35 State Com #718H	North Reference:	Grid
Well:	Sec 32, T21S, R26E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 660' FSL & 2363' FWL (Sec 35)		
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)
Entry VB05360001: 1334' FSL & 269' FEL (Sec 32)									
5,150.0	15.92	180.89	5,052.5	-733.7	-11.5	68.6	0.00	0.00	0.00
5,200.0	15.92	180.89	5,100.6	-747.4	-11.7	69.9	0.00	0.00	0.00
5,250.0	15.92	180.89	5,148.7	-761.1	-11.9	71.1	0.00	0.00	0.00
5,300.0	15.92	180.89	5,196.8	-774.8	-12.1	72.4	0.00	0.00	0.00
5,350.0	15.92	180.89	5,244.9	-788.5	-12.3	73.7	0.00	0.00	0.00
5,400.0	15.92	180.89	5,292.9	-802.3	-12.5	75.0	0.00	0.00	0.00
5,450.0	15.92	180.89	5,341.0	-816.0	-12.7	76.3	0.00	0.00	0.00
5,500.0	15.92	180.89	5,389.1	-829.7	-13.0	77.5	0.00	0.00	0.00
5,550.0	15.92	180.89	5,437.2	-843.4	-13.2	78.8	0.00	0.00	0.00
5,600.0	15.92	180.89	5,485.3	-857.1	-13.4	80.1	0.00	0.00	0.00
5,650.0	15.92	180.89	5,533.4	-870.8	-13.6	81.4	0.00	0.00	0.00
5,700.0	15.92	180.89	5,581.4	-884.6	-13.8	82.7	0.00	0.00	0.00
5,750.0	15.92	180.89	5,629.5	-898.3	-14.0	84.0	0.00	0.00	0.00
5,800.0	15.92	180.89	5,677.6	-912.0	-14.2	85.2	0.00	0.00	0.00
5,850.0	15.92	180.89	5,725.7	-925.7	-14.5	86.5	0.00	0.00	0.00
5,900.0	15.92	180.89	5,773.8	-939.4	-14.7	87.8	0.00	0.00	0.00
5,950.0	15.92	180.89	5,821.8	-953.1	-14.9	89.1	0.00	0.00	0.00
6,000.0	15.92	180.89	5,869.9	-966.9	-15.1	90.4	0.00	0.00	0.00
6,050.0	15.92	180.89	5,918.0	-980.6	-15.3	91.7	0.00	0.00	0.00
6,100.0	15.92	180.89	5,966.1	-994.3	-15.5	92.9	0.00	0.00	0.00
6,150.0	15.92	180.89	6,014.2	-1,008.0	-15.7	94.2	0.00	0.00	0.00
6,200.0	15.92	180.89	6,062.2	-1,021.7	-16.0	95.5	0.00	0.00	0.00
6,250.0	15.92	180.89	6,110.3	-1,035.4	-16.2	96.8	0.00	0.00	0.00
6,300.0	15.92	180.89	6,158.4	-1,049.2	-16.4	98.1	0.00	0.00	0.00
6,350.0	15.92	180.89	6,206.5	-1,062.9	-16.6	99.3	0.00	0.00	0.00
6,400.0	15.92	180.89	6,254.6	-1,076.6	-16.8	100.6	0.00	0.00	0.00
6,450.0	15.92	180.89	6,302.7	-1,090.3	-17.0	101.9	0.00	0.00	0.00
6,500.0	15.92	180.89	6,350.7	-1,104.0	-17.2	103.2	0.00	0.00	0.00
6,550.0	15.92	180.89	6,398.8	-1,117.7	-17.5	104.5	0.00	0.00	0.00
6,600.0	15.92	180.89	6,446.9	-1,131.4	-17.7	105.8	0.00	0.00	0.00
6,650.0	15.92	180.89	6,495.0	-1,145.2	-17.9	107.0	0.00	0.00	0.00
6,700.0	15.92	180.89	6,543.1	-1,158.9	-18.1	108.3	0.00	0.00	0.00
6,750.0	15.92	180.89	6,591.1	-1,172.6	-18.3	109.6	0.00	0.00	0.00
6,800.0	15.92	180.89	6,639.2	-1,186.3	-18.5	110.9	0.00	0.00	0.00
6,850.0	15.92	180.89	6,687.3	-1,200.0	-18.7	112.2	0.00	0.00	0.00
6,900.0	15.92	180.89	6,735.4	-1,213.7	-18.9	113.4	0.00	0.00	0.00
6,950.0	15.92	180.89	6,783.5	-1,227.5	-19.2	114.7	0.00	0.00	0.00
7,000.0	15.92	180.89	6,831.5	-1,241.2	-19.4	116.0	0.00	0.00	0.00
7,050.0	15.92	180.89	6,879.6	-1,254.9	-19.6	117.3	0.00	0.00	0.00
7,100.0	15.92	180.89	6,927.7	-1,268.6	-19.8	118.6	0.00	0.00	0.00
7,150.0	15.92	180.89	6,975.8	-1,282.3	-20.0	119.9	0.00	0.00	0.00
7,164.8	15.92	180.89	6,990.0	-1,286.4	-20.1	120.2	0.00	0.00	0.00
7,200.0	15.22	180.89	7,023.9	-1,295.8	-20.2	121.1	2.00	-2.00	0.00
7,250.0	14.22	180.89	7,072.3	-1,308.5	-20.4	122.3	2.00	-2.00	0.00
7,300.0	13.22	180.89	7,120.9	-1,320.4	-20.6	123.4	2.00	-2.00	0.00
7,350.0	12.22	180.89	7,169.6	-1,331.4	-20.8	124.4	2.00	-2.00	0.00
7,400.0	11.22	180.89	7,218.6	-1,341.6	-20.9	125.4	2.00	-2.00	0.00
7,450.0	10.22	180.89	7,267.7	-1,350.9	-21.1	126.3	2.00	-2.00	0.00
7,500.0	9.22	180.89	7,317.0	-1,359.3	-21.2	127.0	2.00	-2.00	0.00
7,550.0	8.22	180.89	7,366.4	-1,366.9	-21.3	127.8	2.00	-2.00	0.00
7,600.0	7.22	180.89	7,416.0	-1,373.6	-21.4	128.4	2.00	-2.00	0.00
7,650.0	6.22	180.89	7,465.6	-1,379.4	-21.5	128.9	2.00	-2.00	0.00
7,700.0	5.22	180.89	7,515.4	-1,384.4	-21.6	129.4	2.00	-2.00	0.00

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Buffalo Nickel 33/35 State Com #718H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3284.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3284.0usft (Original Well Elev)
Site:	Buffalo Nickel 33/35 State Com #718H	North Reference:	Grid
Well:	Sec 32, T21S, R26E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 660' FSL & 2363' FWL (Sec 35)		
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)
7,750.0	4.22	180.89	7,565.2	-1,388.5	-21.7	129.8	2.00	-2.00	0.00
7,800.0	3.22	180.89	7,615.1	-1,391.8	-21.7	130.1	2.00	-2.00	0.00
7,850.0	2.22	180.89	7,665.0	-1,394.2	-21.8	130.3	2.00	-2.00	0.00
7,900.0	1.22	180.89	7,715.0	-1,395.7	-21.8	130.4	2.00	-2.00	0.00
7,950.0	0.22	180.89	7,765.0	-1,396.3	-21.8	130.5	2.00	-2.00	0.00
7,961.0	0.00	0.00	7,776.0	-1,396.3	-21.8	130.5	2.00	-2.00	0.00
KOP: 660' FSL & 243' FEL (Sec 32)									
8,000.0	3.90	90.29	7,815.0	-1,396.3	-20.5	131.8	10.00	10.00	0.00
8,050.0	8.90	90.29	7,864.7	-1,396.3	-14.9	137.4	10.00	10.00	0.00
8,100.0	13.89	90.29	7,913.7	-1,396.4	-5.0	147.2	10.00	10.00	0.00
8,150.0	18.89	90.29	7,961.6	-1,396.5	9.1	161.2	10.00	10.00	0.00
8,200.0	23.89	90.29	8,008.2	-1,396.5	27.3	179.4	10.00	10.00	0.00
8,250.0	28.89	90.29	8,052.9	-1,396.7	49.5	201.4	10.00	10.00	0.00
8,300.0	33.88	90.29	8,095.6	-1,396.8	75.6	227.3	10.00	10.00	0.00
8,350.0	38.88	90.29	8,135.8	-1,396.9	105.2	256.8	10.00	10.00	0.00
8,400.0	43.88	90.29	8,173.3	-1,397.1	138.2	289.7	10.00	10.00	0.00
8,450.0	48.88	90.29	8,207.8	-1,397.3	174.4	325.7	10.00	10.00	0.00
8,500.0	53.87	90.29	8,239.0	-1,397.5	213.5	364.5	10.00	10.00	0.00
8,550.0	58.87	90.29	8,266.7	-1,397.7	255.1	405.9	10.00	10.00	0.00
8,576.8	61.55	90.29	8,280.0	-1,397.8	278.3	429.0	10.00	10.00	0.00
Wolfcamp: 660' FSL & 2' FEL (Sec 32)									
8,578.7	61.74	90.29	8,280.9	-1,397.8	280.0	430.7	10.00	10.00	0.00
Exit VB05360001: 660' FSL & 0' FEL (Sec 33)									
8,600.0	63.87	90.29	8,290.7	-1,397.9	299.0	449.5	10.00	10.00	0.00
8,650.0	68.87	90.29	8,310.7	-1,398.1	344.8	495.1	10.00	10.00	0.00
8,700.0	73.86	90.29	8,326.7	-1,398.4	392.1	542.2	10.00	10.00	0.00
8,750.0	78.86	90.29	8,338.4	-1,398.6	440.7	590.5	10.00	10.00	0.00
8,800.0	83.86	90.29	8,346.0	-1,398.9	490.1	639.7	10.00	10.00	0.00
8,844.7	88.33	90.29	8,349.0	-1,399.1	534.7	684.0	10.00	10.00	0.00
8,850.0	88.33	90.29	8,349.2	-1,399.1	540.0	689.3	0.00	0.00	0.00
8,860.6	88.33	90.29	8,349.5	-1,399.2	550.6	699.8	0.00	0.00	0.00
FTP/LP: 660' FSL & 330' FWL (Sec 33)									
8,900.0	88.33	90.29	8,350.6	-1,399.4	590.0	739.0	0.00	0.00	0.00
8,950.0	88.33	90.29	8,352.1	-1,399.6	640.0	788.7	0.00	0.00	0.00
9,000.0	88.33	90.29	8,353.5	-1,399.9	689.9	838.4	0.00	0.00	0.00
9,050.0	88.33	90.29	8,355.0	-1,400.1	739.9	888.1	0.00	0.00	0.00
9,100.0	88.33	90.29	8,356.5	-1,400.4	789.9	937.8	0.00	0.00	0.00
9,150.0	88.33	90.29	8,357.9	-1,400.6	839.9	987.5	0.00	0.00	0.00
9,200.0	88.33	90.29	8,359.4	-1,400.9	889.8	1,037.2	0.00	0.00	0.00
9,250.0	88.33	90.29	8,360.8	-1,401.1	939.8	1,086.9	0.00	0.00	0.00
9,300.0	88.33	90.29	8,362.3	-1,401.4	989.8	1,136.6	0.00	0.00	0.00
9,350.0	88.33	90.29	8,363.7	-1,401.6	1,039.8	1,186.3	0.00	0.00	0.00
9,400.0	88.33	90.29	8,365.2	-1,401.9	1,089.8	1,236.1	0.00	0.00	0.00
9,450.0	88.33	90.29	8,366.7	-1,402.1	1,139.7	1,285.8	0.00	0.00	0.00
9,500.0	88.33	90.29	8,368.1	-1,402.4	1,189.7	1,335.5	0.00	0.00	0.00
9,550.0	88.33	90.29	8,369.6	-1,402.6	1,239.7	1,385.2	0.00	0.00	0.00
9,600.0	88.33	90.29	8,371.0	-1,402.9	1,289.7	1,434.9	0.00	0.00	0.00
9,650.0	88.33	90.29	8,372.5	-1,403.1	1,339.7	1,484.6	0.00	0.00	0.00
9,700.0	88.33	90.29	8,374.0	-1,403.4	1,389.6	1,534.3	0.00	0.00	0.00
9,750.0	88.33	90.29	8,375.4	-1,403.6	1,439.6	1,584.0	0.00	0.00	0.00
9,800.0	88.33	90.29	8,376.9	-1,403.9	1,489.6	1,633.7	0.00	0.00	0.00
9,850.0	88.33	90.29	8,378.3	-1,404.1	1,539.6	1,683.4	0.00	0.00	0.00
9,900.0	88.33	90.29	8,379.8	-1,404.4	1,589.5	1,733.1	0.00	0.00	0.00

Planning Report

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Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3284.0usft (Original Well Elev)
Site:	Buffalo Nickel 33/35 State Com #718H	North Reference:	Grid
Well:	Sec 32, T21S, R26E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 660' FSL & 2363' FWL (Sec 35)		
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)	
9,950.0	88.33	90.29	8,381.3	-1,404.6	1,639.5	1,782.8	0.00	0.00	0.00	
10,000.0	88.33	90.29	8,382.7	-1,404.9	1,689.5	1,832.5	0.00	0.00	0.00	
10,050.0	88.33	90.29	8,384.2	-1,405.1	1,739.5	1,882.3	0.00	0.00	0.00	
10,100.0	88.33	90.29	8,385.6	-1,405.4	1,789.5	1,932.0	0.00	0.00	0.00	
10,150.0	88.33	90.29	8,387.1	-1,405.6	1,839.4	1,981.7	0.00	0.00	0.00	
10,200.0	88.33	90.29	8,388.6	-1,405.9	1,889.4	2,031.4	0.00	0.00	0.00	
10,250.0	88.33	90.29	8,390.0	-1,406.1	1,939.4	2,081.1	0.00	0.00	0.00	
10,300.0	88.33	90.29	8,391.5	-1,406.4	1,989.4	2,130.8	0.00	0.00	0.00	
10,350.0	88.33	90.29	8,392.9	-1,406.6	2,039.3	2,180.5	0.00	0.00	0.00	
10,400.0	88.33	90.29	8,394.4	-1,406.9	2,089.3	2,230.2	0.00	0.00	0.00	
10,450.0	88.33	90.29	8,395.8	-1,407.1	2,139.3	2,279.9	0.00	0.00	0.00	
10,500.0	88.33	90.29	8,397.3	-1,407.4	2,189.3	2,329.6	0.00	0.00	0.00	
10,550.0	88.33	90.29	8,398.8	-1,407.6	2,239.3	2,379.3	0.00	0.00	0.00	
10,600.0	88.33	90.29	8,400.2	-1,407.8	2,289.2	2,429.0	0.00	0.00	0.00	
10,650.0	88.33	90.29	8,401.7	-1,408.1	2,339.2	2,478.7	0.00	0.00	0.00	
10,700.0	88.33	90.29	8,403.1	-1,408.3	2,389.2	2,528.5	0.00	0.00	0.00	
10,750.0	88.33	90.29	8,404.6	-1,408.6	2,439.2	2,578.2	0.00	0.00	0.00	
10,800.0	88.33	90.29	8,406.1	-1,408.8	2,489.1	2,627.9	0.00	0.00	0.00	
10,850.0	88.33	90.29	8,407.5	-1,409.1	2,539.1	2,677.6	0.00	0.00	0.00	
10,900.0	88.33	90.29	8,409.0	-1,409.3	2,589.1	2,727.3	0.00	0.00	0.00	
10,950.0	88.33	90.29	8,410.4	-1,409.6	2,639.1	2,777.0	0.00	0.00	0.00	
11,000.0	88.33	90.29	8,411.9	-1,409.8	2,689.1	2,826.7	0.00	0.00	0.00	
11,050.0	88.33	90.29	8,413.4	-1,410.1	2,739.0	2,876.4	0.00	0.00	0.00	
11,100.0	88.33	90.29	8,414.8	-1,410.3	2,789.0	2,926.1	0.00	0.00	0.00	
11,150.0	88.33	90.29	8,416.3	-1,410.6	2,839.0	2,975.8	0.00	0.00	0.00	
11,200.0	88.33	90.29	8,417.7	-1,410.8	2,889.0	3,025.5	0.00	0.00	0.00	
11,250.0	88.33	90.29	8,419.2	-1,411.1	2,939.0	3,075.2	0.00	0.00	0.00	
11,300.0	88.33	90.29	8,420.7	-1,411.3	2,988.9	3,124.9	0.00	0.00	0.00	
11,350.0	88.33	90.29	8,422.1	-1,411.6	3,038.9	3,174.7	0.00	0.00	0.00	
11,400.0	88.33	90.29	8,423.6	-1,411.8	3,088.9	3,224.4	0.00	0.00	0.00	
11,450.0	88.33	90.29	8,425.0	-1,412.1	3,138.9	3,274.1	0.00	0.00	0.00	
11,500.0	88.33	90.29	8,426.5	-1,412.3	3,188.8	3,323.8	0.00	0.00	0.00	
11,550.0	88.33	90.29	8,427.9	-1,412.6	3,238.8	3,373.5	0.00	0.00	0.00	
11,600.0	88.33	90.29	8,429.4	-1,412.8	3,288.8	3,423.2	0.00	0.00	0.00	
11,650.0	88.33	90.29	8,430.9	-1,413.1	3,338.8	3,472.9	0.00	0.00	0.00	
11,700.0	88.33	90.29	8,432.3	-1,413.3	3,388.8	3,522.6	0.00	0.00	0.00	
11,750.0	88.33	90.29	8,433.8	-1,413.6	3,438.7	3,572.3	0.00	0.00	0.00	
11,800.0	88.33	90.29	8,435.2	-1,413.8	3,488.7	3,622.0	0.00	0.00	0.00	
11,850.0	88.33	90.29	8,436.7	-1,414.1	3,538.7	3,671.7	0.00	0.00	0.00	
11,900.0	88.33	90.29	8,438.2	-1,414.3	3,588.7	3,721.4	0.00	0.00	0.00	
11,950.0	88.33	90.29	8,439.6	-1,414.6	3,638.6	3,771.1	0.00	0.00	0.00	
12,000.0	88.33	90.29	8,441.1	-1,414.8	3,688.6	3,820.8	0.00	0.00	0.00	
12,050.0	88.33	90.29	8,442.5	-1,415.1	3,738.6	3,870.6	0.00	0.00	0.00	
12,100.0	88.33	90.29	8,444.0	-1,415.3	3,788.6	3,920.3	0.00	0.00	0.00	
12,150.0	88.33	90.29	8,445.5	-1,415.6	3,838.6	3,970.0	0.00	0.00	0.00	
12,200.0	88.33	90.29	8,446.9	-1,415.8	3,888.5	4,019.7	0.00	0.00	0.00	
12,250.0	88.33	90.29	8,448.4	-1,416.1	3,938.5	4,069.4	0.00	0.00	0.00	
12,300.0	88.33	90.29	8,449.8	-1,416.3	3,988.5	4,119.1	0.00	0.00	0.00	
12,350.0	88.33	90.29	8,451.3	-1,416.6	4,038.5	4,168.8	0.00	0.00	0.00	
12,400.0	88.33	90.29	8,452.8	-1,416.8	4,088.4	4,218.5	0.00	0.00	0.00	
12,450.0	88.33	90.29	8,454.2	-1,417.1	4,138.4	4,268.2	0.00	0.00	0.00	
12,500.0	88.33	90.29	8,455.7	-1,417.3	4,188.4	4,317.9	0.00	0.00	0.00	
12,550.0	88.33	90.29	8,457.1	-1,417.6	4,238.4	4,367.6	0.00	0.00	0.00	
12,600.0	88.33	90.29	8,458.6	-1,417.8	4,288.4	4,417.3	0.00	0.00	0.00	

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Buffalo Nickel 33/35 State Com #718H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3284.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3284.0usft (Original Well Elev)
Site:	Buffalo Nickel 33/35 State Com #718H	North Reference:	Grid
Well:	Sec 32, T21S, R26E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 660' FSL & 2363' FWL (Sec 35)		
Design:	Design #1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
12,650.0	88.33	90.29	8,460.1	-1,418.1	4,338.3	4,467.0	0.00	0.00	0.00	
12,700.0	88.33	90.29	8,461.5	-1,418.3	4,388.3	4,516.8	0.00	0.00	0.00	
12,750.0	88.33	90.29	8,463.0	-1,418.6	4,438.3	4,566.5	0.00	0.00	0.00	
12,800.0	88.33	90.29	8,464.4	-1,418.8	4,488.3	4,616.2	0.00	0.00	0.00	
12,850.0	88.33	90.29	8,465.9	-1,419.1	4,538.2	4,665.9	0.00	0.00	0.00	
12,900.0	88.33	90.29	8,467.3	-1,419.3	4,588.2	4,715.6	0.00	0.00	0.00	
12,950.0	88.33	90.29	8,468.8	-1,419.6	4,638.2	4,765.3	0.00	0.00	0.00	
13,000.0	88.33	90.29	8,470.3	-1,419.8	4,688.2	4,815.0	0.00	0.00	0.00	
13,050.0	88.33	90.29	8,471.7	-1,420.1	4,738.2	4,864.7	0.00	0.00	0.00	
13,100.0	88.33	90.29	8,473.2	-1,420.3	4,788.1	4,914.4	0.00	0.00	0.00	
13,150.0	88.33	90.29	8,474.6	-1,420.6	4,838.1	4,964.1	0.00	0.00	0.00	
13,200.0	88.33	90.29	8,476.1	-1,420.8	4,888.1	5,013.8	0.00	0.00	0.00	
13,250.0	88.33	90.29	8,477.6	-1,421.1	4,938.1	5,063.5	0.00	0.00	0.00	
13,300.0	88.33	90.29	8,479.0	-1,421.3	4,988.1	5,113.2	0.00	0.00	0.00	
13,350.0	88.33	90.29	8,480.5	-1,421.6	5,038.0	5,163.0	0.00	0.00	0.00	
13,400.0	88.33	90.29	8,481.9	-1,421.8	5,088.0	5,212.7	0.00	0.00	0.00	
13,450.0	88.33	90.29	8,483.4	-1,422.1	5,138.0	5,262.4	0.00	0.00	0.00	
13,500.0	88.33	90.29	8,484.9	-1,422.3	5,188.0	5,312.1	0.00	0.00	0.00	
13,550.0	88.33	90.29	8,486.3	-1,422.6	5,237.9	5,361.8	0.00	0.00	0.00	
13,600.0	88.33	90.29	8,487.8	-1,422.8	5,287.9	5,411.5	0.00	0.00	0.00	
13,650.0	88.33	90.29	8,489.2	-1,423.1	5,337.9	5,461.2	0.00	0.00	0.00	
13,700.0	88.33	90.29	8,490.7	-1,423.3	5,387.9	5,510.9	0.00	0.00	0.00	
13,750.0	88.33	90.29	8,492.2	-1,423.6	5,437.9	5,560.6	0.00	0.00	0.00	
13,800.0	88.33	90.29	8,493.6	-1,423.8	5,487.8	5,610.3	0.00	0.00	0.00	
13,850.0	88.33	90.29	8,495.1	-1,424.1	5,537.8	5,660.0	0.00	0.00	0.00	
13,900.0	88.33	90.29	8,496.5	-1,424.3	5,587.8	5,709.7	0.00	0.00	0.00	
13,950.0	88.33	90.29	8,498.0	-1,424.6	5,637.8	5,759.4	0.00	0.00	0.00	
14,000.0	88.33	90.29	8,499.4	-1,424.8	5,687.7	5,809.2	0.00	0.00	0.00	
14,050.0	88.33	90.29	8,500.9	-1,425.1	5,737.7	5,858.9	0.00	0.00	0.00	
14,100.0	88.33	90.29	8,502.4	-1,425.3	5,787.7	5,908.6	0.00	0.00	0.00	
14,150.0	88.33	90.29	8,503.8	-1,425.6	5,837.7	5,958.3	0.00	0.00	0.00	
14,200.0	88.33	90.29	8,505.3	-1,425.8	5,887.7	6,008.0	0.00	0.00	0.00	
14,250.0	88.33	90.29	8,506.7	-1,426.1	5,937.6	6,057.7	0.00	0.00	0.00	
14,300.0	88.33	90.29	8,508.2	-1,426.3	5,987.6	6,107.4	0.00	0.00	0.00	
14,350.0	88.33	90.29	8,509.7	-1,426.6	6,037.6	6,157.1	0.00	0.00	0.00	
14,400.0	88.33	90.29	8,511.1	-1,426.8	6,087.6	6,206.8	0.00	0.00	0.00	
14,450.0	88.33	90.29	8,512.6	-1,427.1	6,137.5	6,256.5	0.00	0.00	0.00	
14,500.0	88.33	90.29	8,514.0	-1,427.3	6,187.5	6,306.2	0.00	0.00	0.00	
14,550.0	88.33	90.29	8,515.5	-1,427.6	6,237.5	6,355.9	0.00	0.00	0.00	
14,600.0	88.33	90.29	8,517.0	-1,427.8	6,287.5	6,405.6	0.00	0.00	0.00	
14,650.0	88.33	90.29	8,518.4	-1,428.1	6,337.5	6,455.4	0.00	0.00	0.00	
14,700.0	88.33	90.29	8,519.9	-1,428.3	6,387.4	6,505.1	0.00	0.00	0.00	
14,750.0	88.33	90.29	8,521.3	-1,428.6	6,437.4	6,554.8	0.00	0.00	0.00	
14,800.0	88.33	90.29	8,522.8	-1,428.8	6,487.4	6,604.5	0.00	0.00	0.00	
14,850.0	88.33	90.29	8,524.3	-1,429.1	6,537.4	6,654.2	0.00	0.00	0.00	
14,900.0	88.33	90.29	8,525.7	-1,429.3	6,587.4	6,703.9	0.00	0.00	0.00	
14,950.0	88.33	90.29	8,527.2	-1,429.6	6,637.3	6,753.6	0.00	0.00	0.00	
15,000.0	88.33	90.29	8,528.6	-1,429.8	6,687.3	6,803.3	0.00	0.00	0.00	
15,050.0	88.33	90.29	8,530.1	-1,430.1	6,737.3	6,853.0	0.00	0.00	0.00	
15,100.0	88.33	90.29	8,531.6	-1,430.3	6,787.3	6,902.7	0.00	0.00	0.00	
15,150.0	88.33	90.29	8,533.0	-1,430.6	6,837.2	6,952.4	0.00	0.00	0.00	
15,200.0	88.33	90.29	8,534.5	-1,430.8	6,887.2	7,002.1	0.00	0.00	0.00	
15,250.0	88.33	90.29	8,535.9	-1,431.1	6,937.2	7,051.8	0.00	0.00	0.00	
15,300.0	88.33	90.29	8,537.4	-1,431.3	6,987.2	7,101.6	0.00	0.00	0.00	

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Buffalo Nickel 33/35 State Com #718H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3284.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3284.0usft (Original Well Elev)
Site:	Buffalo Nickel 33/35 State Com #718H	North Reference:	Grid
Well:	Sec 32, T21S, R26E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 660' FSL & 2363' FWL (Sec 35)		
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)	
15,350.0	88.33	90.29	8,538.8	-1,431.6	7,037.2	7,151.3	0.00	0.00	0.00	
15,400.0	88.33	90.29	8,540.3	-1,431.8	7,087.1	7,201.0	0.00	0.00	0.00	
15,450.0	88.33	90.29	8,541.8	-1,432.1	7,137.1	7,250.7	0.00	0.00	0.00	
15,500.0	88.33	90.29	8,543.2	-1,432.3	7,187.1	7,300.4	0.00	0.00	0.00	
15,550.0	88.33	90.29	8,544.7	-1,432.6	7,237.1	7,350.1	0.00	0.00	0.00	
15,600.0	88.33	90.29	8,546.1	-1,432.8	7,287.0	7,399.8	0.00	0.00	0.00	
15,650.0	88.33	90.29	8,547.6	-1,433.1	7,337.0	7,449.5	0.00	0.00	0.00	
15,700.0	88.33	90.29	8,549.1	-1,433.3	7,387.0	7,499.2	0.00	0.00	0.00	
15,750.0	88.33	90.29	8,550.5	-1,433.6	7,437.0	7,548.9	0.00	0.00	0.00	
15,800.0	88.33	90.29	8,552.0	-1,433.8	7,487.0	7,598.6	0.00	0.00	0.00	
15,850.0	88.33	90.29	8,553.4	-1,434.1	7,536.9	7,648.3	0.00	0.00	0.00	
15,900.0	88.33	90.29	8,554.9	-1,434.3	7,586.9	7,698.0	0.00	0.00	0.00	
15,950.0	88.33	90.29	8,556.4	-1,434.6	7,636.9	7,747.7	0.00	0.00	0.00	
16,000.0	88.33	90.29	8,557.8	-1,434.8	7,686.9	7,797.5	0.00	0.00	0.00	
16,050.0	88.33	90.29	8,559.3	-1,435.1	7,736.8	7,847.2	0.00	0.00	0.00	
16,100.0	88.33	90.29	8,560.7	-1,435.3	7,786.8	7,896.9	0.00	0.00	0.00	
16,150.0	88.33	90.29	8,562.2	-1,435.6	7,836.8	7,946.6	0.00	0.00	0.00	
16,200.0	88.33	90.29	8,563.7	-1,435.8	7,886.8	7,996.3	0.00	0.00	0.00	
16,250.0	88.33	90.29	8,565.1	-1,436.1	7,936.8	8,046.0	0.00	0.00	0.00	
16,300.0	88.33	90.29	8,566.6	-1,436.3	7,986.7	8,095.7	0.00	0.00	0.00	
16,350.0	88.33	90.29	8,568.0	-1,436.6	8,036.7	8,145.4	0.00	0.00	0.00	
16,400.0	88.33	90.29	8,569.5	-1,436.8	8,086.7	8,195.1	0.00	0.00	0.00	
16,450.0	88.33	90.29	8,570.9	-1,437.1	8,136.7	8,244.8	0.00	0.00	0.00	
16,500.0	88.33	90.29	8,572.4	-1,437.3	8,186.6	8,294.5	0.00	0.00	0.00	
16,550.0	88.33	90.29	8,573.9	-1,437.6	8,236.6	8,344.2	0.00	0.00	0.00	
16,600.0	88.33	90.29	8,575.3	-1,437.8	8,286.6	8,393.9	0.00	0.00	0.00	
16,650.0	88.33	90.29	8,576.8	-1,438.1	8,336.6	8,443.7	0.00	0.00	0.00	
16,700.0	88.33	90.29	8,578.2	-1,438.3	8,386.6	8,493.4	0.00	0.00	0.00	
16,750.0	88.33	90.29	8,579.7	-1,438.6	8,436.5	8,543.1	0.00	0.00	0.00	
16,800.0	88.33	90.29	8,581.2	-1,438.8	8,486.5	8,592.8	0.00	0.00	0.00	
16,850.0	88.33	90.29	8,582.6	-1,439.1	8,536.5	8,642.5	0.00	0.00	0.00	
16,900.0	88.33	90.29	8,584.1	-1,439.3	8,586.5	8,692.2	0.00	0.00	0.00	
16,950.0	88.33	90.29	8,585.5	-1,439.6	8,636.5	8,741.9	0.00	0.00	0.00	
17,000.0	88.33	90.29	8,587.0	-1,439.8	8,686.4	8,791.6	0.00	0.00	0.00	
17,050.0	88.33	90.29	8,588.5	-1,440.1	8,736.4	8,841.3	0.00	0.00	0.00	
17,100.0	88.33	90.29	8,589.9	-1,440.3	8,786.4	8,891.0	0.00	0.00	0.00	
17,150.0	88.33	90.29	8,591.4	-1,440.6	8,836.4	8,940.7	0.00	0.00	0.00	
17,200.0	88.33	90.29	8,592.8	-1,440.8	8,886.3	8,990.4	0.00	0.00	0.00	
17,250.0	88.33	90.29	8,594.3	-1,441.1	8,936.3	9,040.1	0.00	0.00	0.00	
17,300.0	88.33	90.29	8,595.8	-1,441.3	8,986.3	9,089.9	0.00	0.00	0.00	
17,350.0	88.33	90.29	8,597.2	-1,441.6	9,036.3	9,139.6	0.00	0.00	0.00	
17,400.0	88.33	90.29	8,598.7	-1,441.8	9,086.3	9,189.3	0.00	0.00	0.00	
17,450.0	88.33	90.29	8,600.1	-1,442.1	9,136.2	9,239.0	0.00	0.00	0.00	
17,500.0	88.33	90.29	8,601.6	-1,442.3	9,186.2	9,288.7	0.00	0.00	0.00	
17,550.0	88.33	90.29	8,603.0	-1,442.6	9,236.2	9,338.4	0.00	0.00	0.00	
17,600.0	88.33	90.29	8,604.5	-1,442.8	9,286.2	9,388.1	0.00	0.00	0.00	
17,650.0	88.33	90.29	8,606.0	-1,443.1	9,336.1	9,437.8	0.00	0.00	0.00	
17,700.0	88.33	90.29	8,607.4	-1,443.3	9,386.1	9,487.5	0.00	0.00	0.00	
17,750.0	88.33	90.29	8,608.9	-1,443.6	9,436.1	9,537.2	0.00	0.00	0.00	
17,800.0	88.33	90.29	8,610.3	-1,443.8	9,486.1	9,586.9	0.00	0.00	0.00	
17,850.0	88.33	90.29	8,611.8	-1,444.1	9,536.1	9,636.6	0.00	0.00	0.00	
17,900.0	88.33	90.29	8,613.3	-1,444.3	9,586.0	9,686.3	0.00	0.00	0.00	
17,950.0	88.33	90.29	8,614.7	-1,444.6	9,636.0	9,736.1	0.00	0.00	0.00	
18,000.0	88.33	90.29	8,616.2	-1,444.8	9,686.0	9,785.8	0.00	0.00	0.00	

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Buffalo Nickel 33/35 State Com #718H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3284.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3284.0usft (Original Well Elev)
Site:	Buffalo Nickel 33/35 State Com #718H	North Reference:	Grid
Well:	Sec 32, T21S, R26E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 660' FSL & 2363' FWL (Sec 35)		
Design:	Design #1		

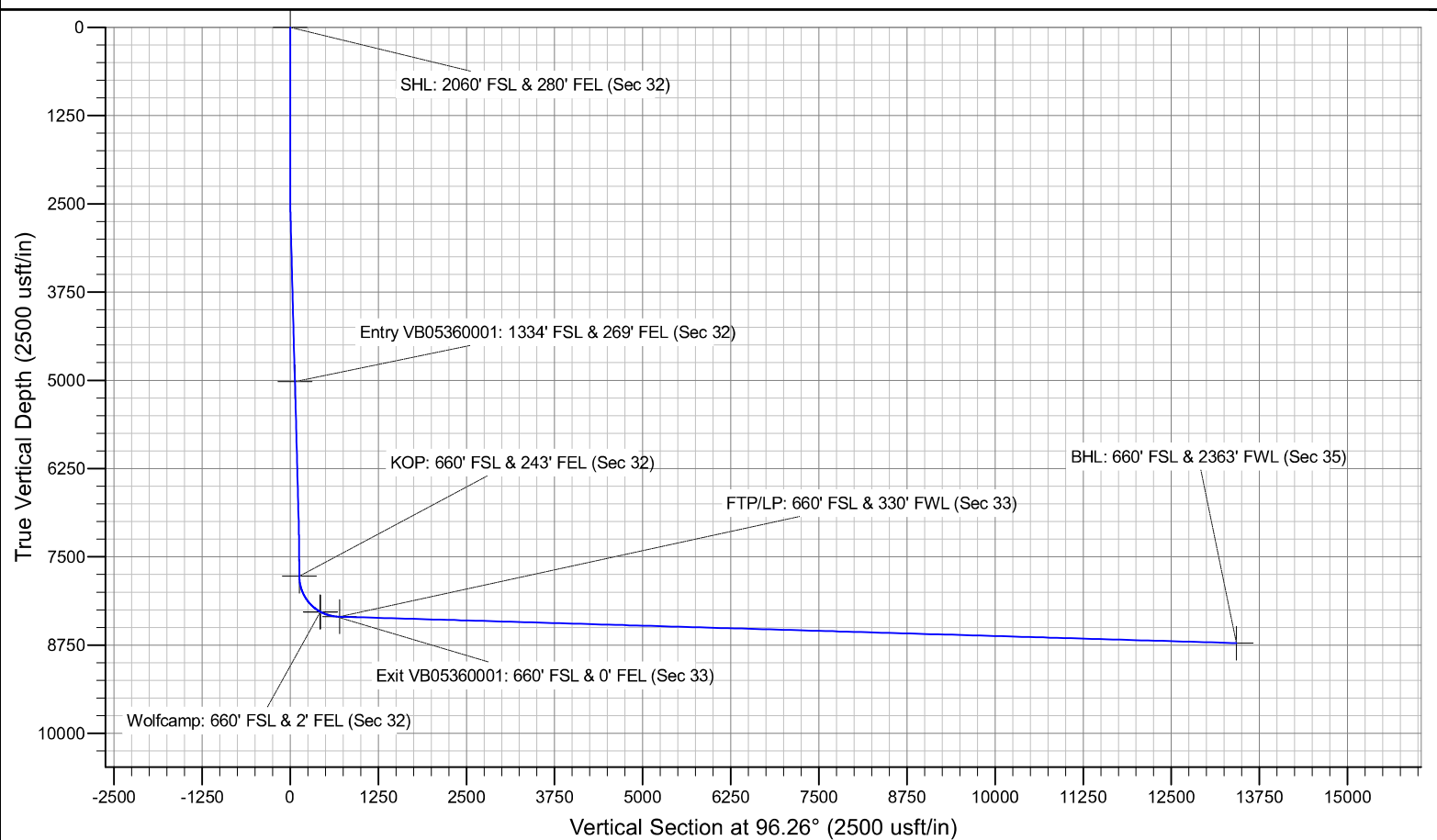
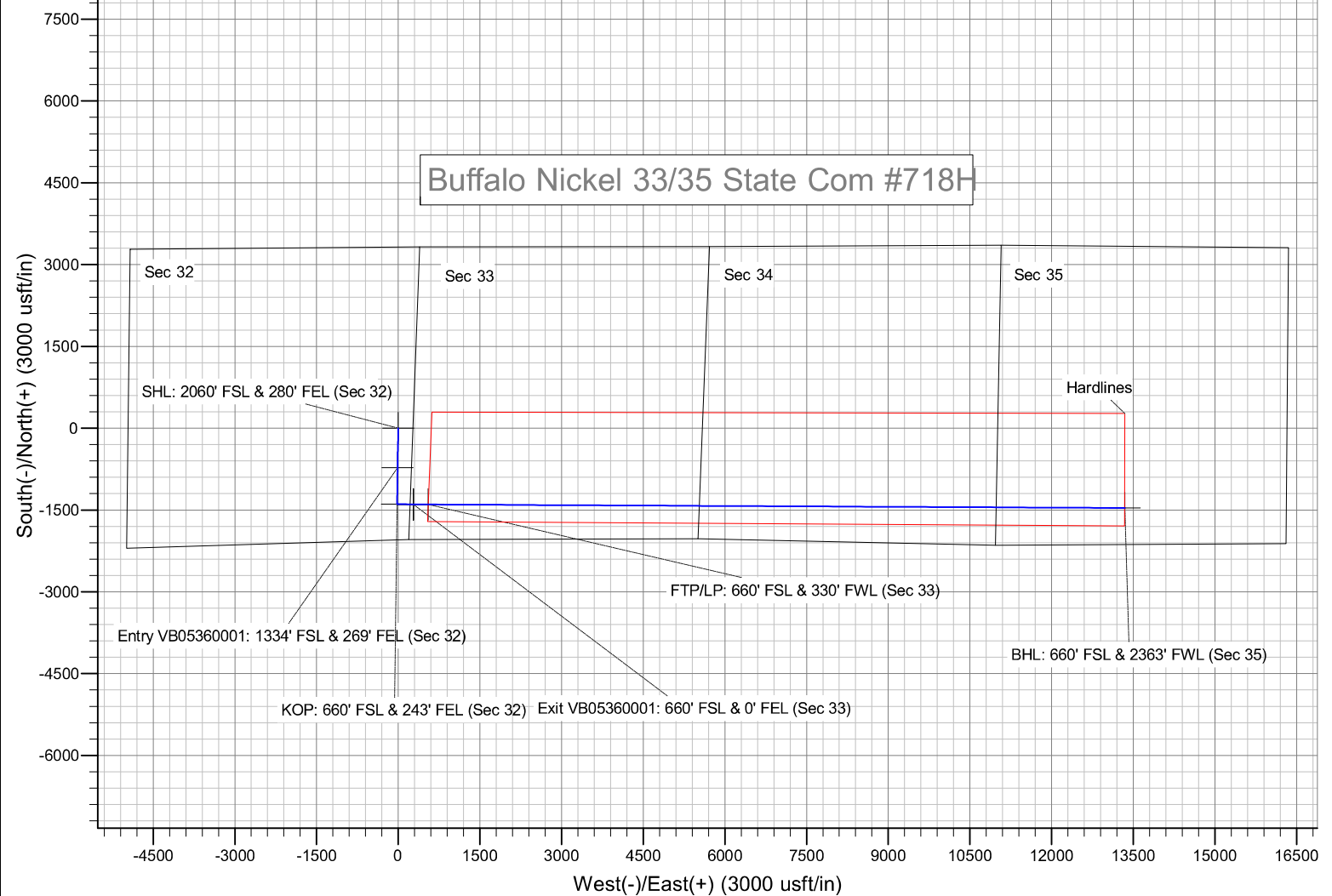
Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
18,050.0	88.33	90.29	8,617.6	-1,445.1	9,736.0	9,835.5	0.00	0.00	0.00
18,100.0	88.33	90.29	8,619.1	-1,445.3	9,785.9	9,885.2	0.00	0.00	0.00
18,150.0	88.33	90.29	8,620.6	-1,445.6	9,835.9	9,934.9	0.00	0.00	0.00
18,200.0	88.33	90.29	8,622.0	-1,445.8	9,885.9	9,984.6	0.00	0.00	0.00
18,250.0	88.33	90.29	8,623.5	-1,446.1	9,935.9	10,034.3	0.00	0.00	0.00
18,300.0	88.33	90.29	8,624.9	-1,446.3	9,985.9	10,084.0	0.00	0.00	0.00
18,350.0	88.33	90.29	8,626.4	-1,446.6	10,035.8	10,133.7	0.00	0.00	0.00
18,400.0	88.33	90.29	8,627.9	-1,446.8	10,085.8	10,183.4	0.00	0.00	0.00
18,450.0	88.33	90.29	8,629.3	-1,447.1	10,135.8	10,233.1	0.00	0.00	0.00
18,500.0	88.33	90.29	8,630.8	-1,447.3	10,185.8	10,282.8	0.00	0.00	0.00
18,550.0	88.33	90.29	8,632.2	-1,447.6	10,235.8	10,332.5	0.00	0.00	0.00
18,600.0	88.33	90.29	8,633.7	-1,447.8	10,285.7	10,382.3	0.00	0.00	0.00
18,650.0	88.33	90.29	8,635.2	-1,448.1	10,335.7	10,432.0	0.00	0.00	0.00
18,700.0	88.33	90.29	8,636.6	-1,448.3	10,385.7	10,481.7	0.00	0.00	0.00
18,750.0	88.33	90.29	8,638.1	-1,448.6	10,435.7	10,531.4	0.00	0.00	0.00
18,800.0	88.33	90.29	8,639.5	-1,448.8	10,485.6	10,581.1	0.00	0.00	0.00
18,850.0	88.33	90.29	8,641.0	-1,449.1	10,535.6	10,630.8	0.00	0.00	0.00
18,900.0	88.33	90.29	8,642.4	-1,449.3	10,585.6	10,680.5	0.00	0.00	0.00
18,950.0	88.33	90.29	8,643.9	-1,449.6	10,635.6	10,730.2	0.00	0.00	0.00
19,000.0	88.33	90.29	8,645.4	-1,449.8	10,685.6	10,779.9	0.00	0.00	0.00
19,050.0	88.33	90.29	8,646.8	-1,450.1	10,735.5	10,829.6	0.00	0.00	0.00
19,100.0	88.33	90.29	8,648.3	-1,450.3	10,785.5	10,879.3	0.00	0.00	0.00
19,150.0	88.33	90.29	8,649.7	-1,450.6	10,835.5	10,929.0	0.00	0.00	0.00
19,200.0	88.33	90.29	8,651.2	-1,450.8	10,885.5	10,978.7	0.00	0.00	0.00
19,250.0	88.33	90.29	8,652.7	-1,451.1	10,935.4	11,028.4	0.00	0.00	0.00
19,300.0	88.33	90.29	8,654.1	-1,451.3	10,985.4	11,078.2	0.00	0.00	0.00
19,350.0	88.33	90.29	8,655.6	-1,451.6	11,035.4	11,127.9	0.00	0.00	0.00
19,400.0	88.33	90.29	8,657.0	-1,451.8	11,085.4	11,177.6	0.00	0.00	0.00
19,450.0	88.33	90.29	8,658.5	-1,452.1	11,135.4	11,227.3	0.00	0.00	0.00
19,500.0	88.33	90.29	8,660.0	-1,452.3	11,185.3	11,277.0	0.00	0.00	0.00
19,550.0	88.33	90.29	8,661.4	-1,452.6	11,235.3	11,326.7	0.00	0.00	0.00
19,600.0	88.33	90.29	8,662.9	-1,452.8	11,285.3	11,376.4	0.00	0.00	0.00
19,650.0	88.33	90.29	8,664.3	-1,453.1	11,335.3	11,426.1	0.00	0.00	0.00
19,700.0	88.33	90.29	8,665.8	-1,453.3	11,385.2	11,475.8	0.00	0.00	0.00
19,750.0	88.33	90.29	8,667.3	-1,453.6	11,435.2	11,525.5	0.00	0.00	0.00
19,800.0	88.33	90.29	8,668.7	-1,453.8	11,485.2	11,575.2	0.00	0.00	0.00
19,850.0	88.33	90.29	8,670.2	-1,454.1	11,535.2	11,624.9	0.00	0.00	0.00
19,900.0	88.33	90.29	8,671.6	-1,454.3	11,585.2	11,674.6	0.00	0.00	0.00
19,950.0	88.33	90.29	8,673.1	-1,454.6	11,635.1	11,724.4	0.00	0.00	0.00
20,000.0	88.33	90.29	8,674.5	-1,454.8	11,685.1	11,774.1	0.00	0.00	0.00
20,050.0	88.33	90.29	8,676.0	-1,455.1	11,735.1	11,823.8	0.00	0.00	0.00
20,100.0	88.33	90.29	8,677.5	-1,455.3	11,785.1	11,873.5	0.00	0.00	0.00
20,150.0	88.33	90.29	8,678.9	-1,455.6	11,835.0	11,923.2	0.00	0.00	0.00
20,200.0	88.33	90.29	8,680.4	-1,455.8	11,885.0	11,972.9	0.00	0.00	0.00
20,250.0	88.33	90.29	8,681.8	-1,456.1	11,935.0	12,022.6	0.00	0.00	0.00
20,300.0	88.33	90.29	8,683.3	-1,456.3	11,985.0	12,072.3	0.00	0.00	0.00
20,350.0	88.33	90.29	8,684.8	-1,456.6	12,035.0	12,122.0	0.00	0.00	0.00
20,400.0	88.33	90.29	8,686.2	-1,456.8	12,084.9	12,171.7	0.00	0.00	0.00
20,450.0	88.33	90.29	8,687.7	-1,457.1	12,134.9	12,221.4	0.00	0.00	0.00
20,500.0	88.33	90.29	8,689.1	-1,457.3	12,184.9	12,271.1	0.00	0.00	0.00
20,550.0	88.33	90.29	8,690.6	-1,457.6	12,234.9	12,320.8	0.00	0.00	0.00
20,600.0	88.33	90.29	8,692.1	-1,457.8	12,284.9	12,370.6	0.00	0.00	0.00
20,650.0	88.33	90.29	8,693.5	-1,458.1	12,334.8	12,420.3	0.00	0.00	0.00
20,700.0	88.33	90.29	8,695.0	-1,458.3	12,384.8	12,470.0	0.00	0.00	0.00

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Buffalo Nickel 33/35 State Com #718H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3284.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3284.0usft (Original Well Elev)
Site:	Buffalo Nickel 33/35 State Com #718H	North Reference:	Grid
Well:	Sec 32, T21S, R26E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 660' FSL & 2363' FWL (Sec 35)		
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)	
20,750.0	88.33	90.29	8,696.4	-1,458.6	12,434.8	12,519.7	0.00	0.00	0.00	
20,800.0	88.33	90.29	8,697.9	-1,458.8	12,484.8	12,569.4	0.00	0.00	0.00	
20,850.0	88.33	90.29	8,699.4	-1,459.1	12,534.7	12,619.1	0.00	0.00	0.00	
20,900.0	88.33	90.29	8,700.8	-1,459.3	12,584.7	12,668.8	0.00	0.00	0.00	
20,950.0	88.33	90.29	8,702.3	-1,459.6	12,634.7	12,718.5	0.00	0.00	0.00	
21,000.0	88.33	90.29	8,703.7	-1,459.8	12,684.7	12,768.2	0.00	0.00	0.00	
21,050.0	88.33	90.29	8,705.2	-1,460.1	12,734.7	12,817.9	0.00	0.00	0.00	
21,100.0	88.33	90.29	8,706.7	-1,460.3	12,784.6	12,867.6	0.00	0.00	0.00	
21,150.0	88.33	90.29	8,708.1	-1,460.6	12,834.6	12,917.3	0.00	0.00	0.00	
21,200.0	88.33	90.29	8,709.6	-1,460.8	12,884.6	12,967.0	0.00	0.00	0.00	
21,250.0	88.33	90.29	8,711.0	-1,461.1	12,934.6	13,016.8	0.00	0.00	0.00	
21,300.0	88.33	90.29	8,712.5	-1,461.3	12,984.5	13,066.5	0.00	0.00	0.00	
21,350.0	88.33	90.29	8,713.9	-1,461.6	13,034.5	13,116.2	0.00	0.00	0.00	
21,400.0	88.33	90.29	8,715.4	-1,461.8	13,084.5	13,165.9	0.00	0.00	0.00	
21,450.0	88.33	90.29	8,716.9	-1,462.0	13,134.5	13,215.6	0.00	0.00	0.00	
21,500.0	88.33	90.29	8,718.3	-1,462.3	13,184.5	13,265.3	0.00	0.00	0.00	
21,550.0	88.33	90.29	8,719.8	-1,462.5	13,234.4	13,315.0	0.00	0.00	0.00	
21,600.0	88.33	90.29	8,721.2	-1,462.8	13,284.4	13,364.7	0.00	0.00	0.00	
21,650.0	88.33	90.29	8,722.7	-1,463.0	13,334.4	13,414.4	0.00	0.00	0.00	
21,660.2	88.33	90.29	8,723.0	-1,463.1	13,344.6	13,424.6	0.00	0.00	0.00	
BHL: 660' FSL & 2363' FWL (Sec 35)										

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
SHL: 2060' FSL & 28C - plan hits target center - Point	0.00	0.00	0.0	0.0	0.0	521,834.70	549,316.40	32.4345867	-104.3074712	
Entry VB05360001: 1: - plan hits target center - Point	0.00	0.00	5,022.1	-725.0	-11.3	521,109.70	549,305.08	32.4325938	-104.3075085	
KOP: 660' FSL & 243' - plan hits target center - Point	0.00	0.00	7,776.0	-1,396.3	-21.8	520,438.40	549,294.60	32.4307486	-104.3075430	
Wolfcamp: 660' FSL & 8 - plan hits target center - Point	0.00	0.00	8,280.0	-1,397.8	278.3	520,436.90	549,594.73	32.4307442	-104.3065702	
Exit VB05360001: 66C - plan hits target center - Point	0.00	0.00	8,280.9	-1,397.8	280.0	520,436.89	549,596.40	32.4307442	-104.3065648	
FTP/LP: 660' FSL & 3 - plan hits target center - Point	0.00	0.00	8,349.5	-1,399.2	550.6	520,435.54	549,867.00	32.4307403	-104.3056877	
BHL: 660' FSL & 2363' - plan hits target center - Point	0.00	0.01	8,723.0	-1,463.1	13,344.6	520,371.60	562,661.00	32.4305486	-104.2642203	



Sante Fe Main Office
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General Information
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Online Phone Directory
<https://www.emnrd.nm.gov/ocd/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 521754

CONDITIONS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 521754
	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.	11/14/2025