

Santa Fe Main Office
Phone: (505) 476-3441
General Information
Phone: (505) 629-6116

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised July 18, 2013

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

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

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 ☐		WELL API NO. 30-015-57325
2. Name of Operator MEWBOURNE OIL COMPANY		5. Indicate Type of Lease STATE ☒ FEE ☐
3. Address of Operator 4801 BUSINESS PARK BLVD HOBBS NM 88241		6. State Oil & Gas Lease No.
4. Well Location Unit Letter <u>I</u> : <u>2100</u> feet from the <u>SOUTH</u> line and <u>280</u> feet from the <u>EAST</u> line Section <u>32</u> Township <u>21S</u> Range <u>26E</u> NMPM County <u>EDDY</u>		7. Lease Name or Unit Agreement Name BUFFALO NICKEL 33/35 STATE COM
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3256'		8. Well Number <u>527H</u>
		9. OGRID Number 14744
		10. Pool name or Wildcat ESPERANZA, BONE SPRING

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

NOTICE OF INTENTION TO: PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐ TEMPORARILY ABANDON ☐ CHANGE PLANS ☒ PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐ DOWNHOLE COMMINGLE ☐ CLOSED-LOOP SYSTEM ☐ OTHER: ☐		SUBSEQUENT REPORT OF: REMEDIAL WORK ☐ ALTERING CASING ☐ COMMENCE DRILLING OPNS. ☐ P AND A ☐ CASING/CEMENT JOB ☐ 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 approval for the following changes to the APD API (30-015-57325)

1. Change well name from Buffalo Nickel 33/34 State Com 527H to Buffalo Nickel 33/35 State Com 527H
2. Move BHL from Sec 34 T21S R26E 710' FSL and 100' FEL to Sec 35 T21S R26E 710' FSL and 2592' FWL.
3. Change dedicated acreage from 1121.12 to 400 acres.

Spud Date:

11/25/25

Rig Release Date:

12/2/25

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

SIGNATURE Brett Miller TITLE PETROLEUM ENGINEER DATE 10/27/2025

Type or print name BRETT MILLER E-mail address: brett.miller@mewbourne.com PHONE: 505-280-6768
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 30-015-57325	Pool Code 97755	Pool Name ESPERANZA, BONE SPRING
Property Code 337809	Property Name BUFFALO NICKEL 33/35 STATE COM	Well Number 527H
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 2100 FSL	Ft. from E/W 280 FEL	Latitude 32.4346966°N	Longitude 104.3074657°W	County EDDY
----------------	----------------------	------------------------	---------------------	-----	---------------------------------	--------------------------------	---------------------------------	-----------------------------------	-----------------------

Bottom Hole Location

UL N	Section 35	Township 21S	Range 26E	Lot	Ft. from N/S 710 FSL	Ft. from E/W 2592 FWL	Latitude 32.4306924°N	Longitude 104.2634742°W	County EDDY
----------------	----------------------	------------------------	---------------------	-----	--------------------------------	---------------------------------	---------------------------------	-----------------------------------	-----------------------

Dedicated Acres 400	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 710 FSL	Ft. from E/W 473 FEL	Latitude 32.4308500°N	Longitude 104.3082803°W	County EDDY
----------------	----------------------	------------------------	---------------------	-----	--------------------------------	--------------------------------	---------------------------------	-----------------------------------	-----------------------

First Take Point (FTP)

UL M	Section 33	Township 21S	Range 26E	Lot	Ft. from N/S 710 FSL	Ft. from E/W 100 FWL	Latitude 32.4309242°N	Longitude 104.3064260°W	County EDDY
----------------	----------------------	------------------------	---------------------	-----	--------------------------------	--------------------------------	---------------------------------	-----------------------------------	-----------------------

Last Take Point (LTP)

UL N	Section 35	Township 21S	Range 26E	Lot	Ft. from N/S 710 FSL	Ft. from E/W 2592 FWL	Latitude 32.4306924°N	Longitude 104.2634742°W	County EDDY
----------------	----------------------	------------------------	---------------------	-----	--------------------------------	---------------------------------	---------------------------------	-----------------------------------	-----------------------

Unitized Area or Area of Uniform Interest N/A	Spacing Unit Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation: 3256'
--	--	----------------------------------

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>Brett Miller</i> 10/30/2025		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 BRETT MILLER		Signature and Seal of Professional Surveyor <i>Robert M. Howett</i>	
Printed Name BRETT.MILLER@MEWBOURNE.COM		Certificate Number 19680	Date of Survey 06/04/2025
Email Address			

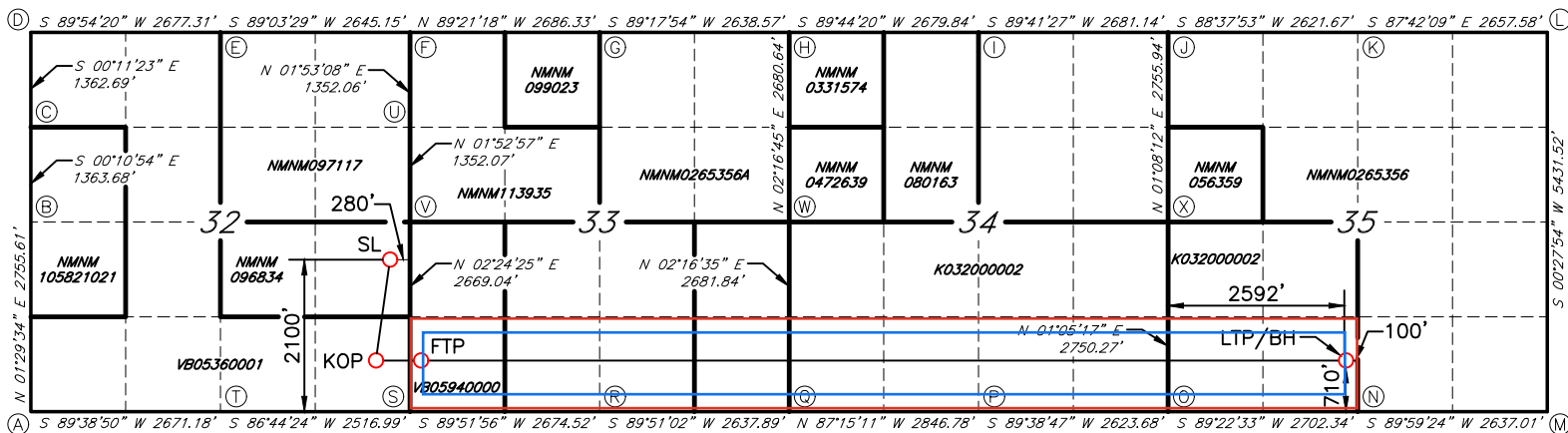
Note: No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

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 #527H



GEODETIC DATA
NAD 83 GRID — NM EAST

SURFACE LOCATION (SL)
2100' FSL & 280' FEL SEC.32
N: 521874.7 — E: 549318.1

LAT: 32.4346966° N
LONG: 104.3074657° W

KICK OFF POINT (KOP)
710' FSL & 473' FEL SEC.32
N: 520475.2 — E: 549067.1

LAT: 32.4308500° N
LONG: 104.3082803° W

FIRST TAKE POINT (FTP)
710' FSL & 100' FWL SEC.33
N: 520502.4 — E: 549639.2

LAT: 32.4309242° N
LONG: 104.3064260° W

LAST TAKE POINT/BOTTOM HOLE (LTP/BH)
710' FSL & 2592' FWL SEC.35
N: 520424.1 — E: 562891.2

LAT: 32.4306924° N
LONG: 104.2634742° W

CORNER DATA
NAD 83 GRID — NM EAST

A: FOUND BRASS CAP "1943"
N: 519633.4 — E: 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 — E: 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 — E: 560393.2

K: FOUND NAIL W/ WASHER
N: 525252.3 — E: 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 — E: 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 #: LS25010026D2

Mewbourne Oil Company							
Buffalo Nickel 33/35 State Com 527H							
SHL: 2100' FSL & 280' FEL (Sec 32)							
BHL: 710' FSL & 2592' 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	390	0'
Intermediate	Fresh Water	12.25	9.625" 36# J55 LTC	0'	2080	500	0'
Production	Cut-Brine	8.75	7" 26# P110 LTC	0'	6319	850	673'
Liner	OBM	6.125	4.5" 13.5# P110 LTC	6119'	20477	1340	6119'

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	6421
San Andres		3rd Bone Spring Carbonate	6736
Glorietta		3rd Bone Spring Sand	7908
Yeso		Wolfcamp	8280

Mewbourne Oil Company

Eddy County, New Mexico NAD 83

Buffalo Nickel 33/35 State Com #527H

Sec 32, T21S, R26E

SHL: 2100' FSL & 280' FEL (Sec 32)

BHL: 710' FSL & 2592' 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 #527H
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 #527H	North Reference:	Grid
Well:	Sec 32, T21S, R26E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 710' FSL & 2592' 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 #527H			
Site Position:		Northing:	521,874.70 usft	Latitude:	32.4346967
From:	Map	Easting:	549,318.10 usft	Longitude:	-104.3074657
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "		

Well	Sec 32, T21S, R26E					
Well Position	+N/-S	0.0 usft	Northing:	521,874.70 usft	Latitude:	32.4346967
	+E/-W	0.0 usft	Easting:	549,318.10 usft	Longitude:	-104.3074657
Position Uncertainty		0.0 usft	Wellhead Elevation:	3,284.0 usft	Ground Level:	3,256.0 usft
Grid Convergence:		0.01 °				

Wellbore	BHL: 710' FSL & 2592' FWL (Sec 35)				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	12/31/2014	7.50	60.17	48,284.69116812

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	96.10

Plan Survey Tool Program	Date	10/27/2025		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	20,477.9	Design #1 (BHL: 710' FSL & 2592	

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	
648.0	0.00	0.00	648.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,505.8	17.16	190.17	1,493.0	-125.5	-22.5	2.00	2.00	0.00	190.17	
5,461.7	17.16	190.17	5,273.0	-1,274.0	-228.5	0.00	0.00	0.00	0.00	
6,319.5	0.00	0.00	6,118.0	-1,399.5	-251.0	2.00	-2.00	0.00	180.00	KOP: 710' FSL & 473'
7,201.5	88.15	90.21	6,691.0	-1,401.6	303.8	9.99	9.99	0.00	90.21	
20,477.9	88.15	90.21	7,120.0	-1,450.6	13,573.1	0.00	0.00	0.00	0.00	BHL: 710' FSL & 2592'

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Buffalo Nickel 33/35 State Com #527H
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 #527H	North Reference:	Grid
Well:	Sec 32, T21S, R26E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 710' FSL & 2592' 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: 2100' 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
648.0	0.00	0.00	648.0	0.0	0.0	0.0	0.00	0.00	0.00
650.0	0.04	190.17	650.0	0.0	0.0	0.0	2.00	2.00	0.00
700.0	1.04	190.17	700.0	-0.5	-0.1	0.0	2.00	2.00	0.00
750.0	2.04	190.17	750.0	-1.8	-0.3	-0.1	2.00	2.00	0.00
800.0	3.04	190.17	799.9	-4.0	-0.7	-0.3	2.00	2.00	0.00
850.0	4.04	190.17	849.8	-7.0	-1.3	-0.5	2.00	2.00	0.00
900.0	5.04	190.17	899.7	-10.9	-2.0	-0.8	2.00	2.00	0.00
950.0	6.04	190.17	949.4	-15.7	-2.8	-1.1	2.00	2.00	0.00
1,000.0	7.04	190.17	999.1	-21.3	-3.8	-1.5	2.00	2.00	0.00
1,050.0	8.04	190.17	1,048.7	-27.7	-5.0	-2.0	2.00	2.00	0.00
1,100.0	9.04	190.17	1,098.1	-35.0	-6.3	-2.5	2.00	2.00	0.00
1,150.0	10.04	190.17	1,147.4	-43.2	-7.7	-3.1	2.00	2.00	0.00
1,200.0	11.04	190.17	1,196.6	-52.2	-9.4	-3.8	2.00	2.00	0.00
1,250.0	12.04	190.17	1,245.6	-62.0	-11.1	-4.5	2.00	2.00	0.00
1,300.0	13.04	190.17	1,294.4	-72.7	-13.0	-5.2	2.00	2.00	0.00
1,350.0	14.04	190.17	1,343.0	-84.2	-15.1	-6.1	2.00	2.00	0.00
1,400.0	15.04	190.17	1,391.4	-96.6	-17.3	-7.0	2.00	2.00	0.00
1,450.0	16.04	190.17	1,439.6	-109.8	-19.7	-7.9	2.00	2.00	0.00
1,500.0	17.04	190.17	1,487.5	-123.8	-22.2	-8.9	2.00	2.00	0.00
1,505.8	17.16	190.17	1,493.0	-125.5	-22.5	-9.0	2.00	2.00	0.00
1,550.0	17.16	190.17	1,535.3	-138.3	-24.8	-10.0	0.00	0.00	0.00
1,600.0	17.16	190.17	1,583.0	-152.8	-27.4	-11.0	0.00	0.00	0.00
1,650.0	17.16	190.17	1,630.8	-167.3	-30.0	-12.1	0.00	0.00	0.00
1,700.0	17.16	190.17	1,678.6	-181.9	-32.6	-13.1	0.00	0.00	0.00
1,750.0	17.16	190.17	1,726.4	-196.4	-35.2	-14.2	0.00	0.00	0.00
1,800.0	17.16	190.17	1,774.1	-210.9	-37.8	-15.2	0.00	0.00	0.00
1,850.0	17.16	190.17	1,821.9	-225.4	-40.4	-16.2	0.00	0.00	0.00
1,900.0	17.16	190.17	1,869.7	-239.9	-43.0	-17.3	0.00	0.00	0.00
1,950.0	17.16	190.17	1,917.5	-254.4	-45.6	-18.3	0.00	0.00	0.00
2,000.0	17.16	190.17	1,965.3	-269.0	-48.2	-19.4	0.00	0.00	0.00
2,050.0	17.16	190.17	2,013.0	-283.5	-50.8	-20.4	0.00	0.00	0.00
2,100.0	17.16	190.17	2,060.8	-298.0	-53.4	-21.5	0.00	0.00	0.00
2,150.0	17.16	190.17	2,108.6	-312.5	-56.0	-22.5	0.00	0.00	0.00
2,200.0	17.16	190.17	2,156.4	-327.0	-58.7	-23.6	0.00	0.00	0.00
2,250.0	17.16	190.17	2,204.1	-341.5	-61.3	-24.6	0.00	0.00	0.00
2,300.0	17.16	190.17	2,251.9	-356.1	-63.9	-25.7	0.00	0.00	0.00
2,350.0	17.16	190.17	2,299.7	-370.6	-66.5	-26.7	0.00	0.00	0.00
2,400.0	17.16	190.17	2,347.5	-385.1	-69.1	-27.8	0.00	0.00	0.00
2,450.0	17.16	190.17	2,395.2	-399.6	-71.7	-28.8	0.00	0.00	0.00
2,500.0	17.16	190.17	2,443.0	-414.1	-74.3	-29.8	0.00	0.00	0.00

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Buffalo Nickel 33/35 State Com #527H
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 #527H	North Reference:	Grid
Well:	Sec 32, T21S, R26E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 710' FSL & 2592' 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)
2,550.0	17.16	190.17	2,490.8	-428.6	-76.9	-30.9	0.00	0.00	0.00
2,600.0	17.16	190.17	2,538.6	-443.2	-79.5	-31.9	0.00	0.00	0.00
2,650.0	17.16	190.17	2,586.3	-457.7	-82.1	-33.0	0.00	0.00	0.00
2,700.0	17.16	190.17	2,634.1	-472.2	-84.7	-34.0	0.00	0.00	0.00
2,750.0	17.16	190.17	2,681.9	-486.7	-87.3	-35.1	0.00	0.00	0.00
2,800.0	17.16	190.17	2,729.7	-501.2	-89.9	-36.1	0.00	0.00	0.00
2,850.0	17.16	190.17	2,777.4	-515.7	-92.5	-37.2	0.00	0.00	0.00
2,900.0	17.16	190.17	2,825.2	-530.3	-95.1	-38.2	0.00	0.00	0.00
2,950.0	17.16	190.17	2,873.0	-544.8	-97.7	-39.3	0.00	0.00	0.00
3,000.0	17.16	190.17	2,920.8	-559.3	-100.3	-40.3	0.00	0.00	0.00
3,050.0	17.16	190.17	2,968.5	-573.8	-102.9	-41.4	0.00	0.00	0.00
3,100.0	17.16	190.17	3,016.3	-588.3	-105.5	-42.4	0.00	0.00	0.00
3,150.0	17.16	190.17	3,064.1	-602.8	-108.1	-43.4	0.00	0.00	0.00
3,200.0	17.16	190.17	3,111.9	-617.4	-110.7	-44.5	0.00	0.00	0.00
3,250.0	17.16	190.17	3,159.6	-631.9	-113.3	-45.5	0.00	0.00	0.00
3,300.0	17.16	190.17	3,207.4	-646.4	-115.9	-46.6	0.00	0.00	0.00
3,350.0	17.16	190.17	3,255.2	-660.9	-118.5	-47.6	0.00	0.00	0.00
3,400.0	17.16	190.17	3,303.0	-675.4	-121.1	-48.7	0.00	0.00	0.00
3,450.0	17.16	190.17	3,350.7	-689.9	-123.7	-49.7	0.00	0.00	0.00
3,500.0	17.16	190.17	3,398.5	-704.5	-126.3	-50.8	0.00	0.00	0.00
3,550.0	17.16	190.17	3,446.3	-719.0	-128.9	-51.8	0.00	0.00	0.00
3,600.0	17.16	190.17	3,494.1	-733.5	-131.6	-52.9	0.00	0.00	0.00
3,650.0	17.16	190.17	3,541.8	-748.0	-134.2	-53.9	0.00	0.00	0.00
3,700.0	17.16	190.17	3,589.6	-762.5	-136.8	-55.0	0.00	0.00	0.00
3,711.9	17.16	190.17	3,601.0	-766.0	-137.4	-55.2	0.00	0.00	0.00
Entry VB05360001: 1334' FSL & 417' FEL (Sec 32)									
3,750.0	17.16	190.17	3,637.4	-777.0	-139.4	-56.0	0.00	0.00	0.00
3,800.0	17.16	190.17	3,685.2	-791.6	-142.0	-57.0	0.00	0.00	0.00
3,850.0	17.16	190.17	3,732.9	-806.1	-144.6	-58.1	0.00	0.00	0.00
3,900.0	17.16	190.17	3,780.7	-820.6	-147.2	-59.1	0.00	0.00	0.00
3,950.0	17.16	190.17	3,828.5	-835.1	-149.8	-60.2	0.00	0.00	0.00
4,000.0	17.16	190.17	3,876.3	-849.6	-152.4	-61.2	0.00	0.00	0.00
4,050.0	17.16	190.17	3,924.0	-864.1	-155.0	-62.3	0.00	0.00	0.00
4,100.0	17.16	190.17	3,971.8	-878.7	-157.6	-63.3	0.00	0.00	0.00
4,150.0	17.16	190.17	4,019.6	-893.2	-160.2	-64.4	0.00	0.00	0.00
4,200.0	17.16	190.17	4,067.4	-907.7	-162.8	-65.4	0.00	0.00	0.00
4,250.0	17.16	190.17	4,115.1	-922.2	-165.4	-66.5	0.00	0.00	0.00
4,300.0	17.16	190.17	4,162.9	-936.7	-168.0	-67.5	0.00	0.00	0.00
4,350.0	17.16	190.17	4,210.7	-951.3	-170.6	-68.6	0.00	0.00	0.00
4,400.0	17.16	190.17	4,258.5	-965.8	-173.2	-69.6	0.00	0.00	0.00
4,450.0	17.16	190.17	4,306.2	-980.3	-175.8	-70.6	0.00	0.00	0.00
4,500.0	17.16	190.17	4,354.0	-994.8	-178.4	-71.7	0.00	0.00	0.00
4,550.0	17.16	190.17	4,401.8	-1,009.3	-181.0	-72.7	0.00	0.00	0.00
4,600.0	17.16	190.17	4,449.6	-1,023.8	-183.6	-73.8	0.00	0.00	0.00
4,650.0	17.16	190.17	4,497.3	-1,038.4	-186.2	-74.8	0.00	0.00	0.00
4,700.0	17.16	190.17	4,545.1	-1,052.9	-188.8	-75.9	0.00	0.00	0.00
4,750.0	17.16	190.17	4,592.9	-1,067.4	-191.4	-76.9	0.00	0.00	0.00
4,800.0	17.16	190.17	4,640.7	-1,081.9	-194.0	-78.0	0.00	0.00	0.00
4,850.0	17.16	190.17	4,688.4	-1,096.4	-196.6	-79.0	0.00	0.00	0.00
4,900.0	17.16	190.17	4,736.2	-1,110.9	-199.2	-80.1	0.00	0.00	0.00
4,950.0	17.16	190.17	4,784.0	-1,125.5	-201.9	-81.1	0.00	0.00	0.00
5,000.0	17.16	190.17	4,831.8	-1,140.0	-204.5	-82.2	0.00	0.00	0.00
5,050.0	17.16	190.17	4,879.5	-1,154.5	-207.1	-83.2	0.00	0.00	0.00

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Buffalo Nickel 33/35 State Com #527H
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 #527H	North Reference:	Grid
Well:	Sec 32, T21S, R26E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 710' FSL & 2592' 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)
5,100.0	17.16	190.17	4,927.3	-1,169.0	-209.7	-84.2	0.00	0.00	0.00
5,150.0	17.16	190.17	4,975.1	-1,183.5	-212.3	-85.3	0.00	0.00	0.00
5,200.0	17.16	190.17	5,022.9	-1,198.0	-214.9	-86.3	0.00	0.00	0.00
5,250.0	17.16	190.17	5,070.6	-1,212.6	-217.5	-87.4	0.00	0.00	0.00
5,300.0	17.16	190.17	5,118.4	-1,227.1	-220.1	-88.4	0.00	0.00	0.00
5,350.0	17.16	190.17	5,166.2	-1,241.6	-222.7	-89.5	0.00	0.00	0.00
5,400.0	17.16	190.17	5,214.0	-1,256.1	-225.3	-90.5	0.00	0.00	0.00
5,450.0	17.16	190.17	5,261.7	-1,270.6	-227.9	-91.6	0.00	0.00	0.00
5,461.7	17.16	190.17	5,273.0	-1,274.0	-228.5	-91.8	0.00	0.00	0.00
5,500.0	16.39	190.17	5,309.6	-1,284.9	-230.4	-92.6	2.00	-2.00	0.00
5,550.0	15.39	190.17	5,357.7	-1,298.4	-232.9	-93.6	2.00	-2.00	0.00
5,600.0	14.39	190.17	5,406.0	-1,311.0	-235.1	-94.5	2.00	-2.00	0.00
5,650.0	13.39	190.17	5,454.5	-1,322.8	-237.3	-95.3	2.00	-2.00	0.00
5,700.0	12.39	190.17	5,503.3	-1,333.8	-239.2	-96.1	2.00	-2.00	0.00
5,750.0	11.39	190.17	5,552.2	-1,344.0	-241.0	-96.9	2.00	-2.00	0.00
5,800.0	10.39	190.17	5,601.3	-1,353.3	-242.7	-97.5	2.00	-2.00	0.00
5,850.0	9.39	190.17	5,650.6	-1,361.7	-244.2	-98.1	2.00	-2.00	0.00
5,900.0	8.39	190.17	5,700.0	-1,369.3	-245.6	-98.7	2.00	-2.00	0.00
5,950.0	7.39	190.17	5,749.5	-1,376.1	-246.8	-99.2	2.00	-2.00	0.00
6,000.0	6.39	190.17	5,799.1	-1,382.0	-247.9	-99.6	2.00	-2.00	0.00
6,050.0	5.39	190.17	5,848.9	-1,387.0	-248.8	-100.0	2.00	-2.00	0.00
6,100.0	4.39	190.17	5,898.7	-1,391.2	-249.5	-100.3	2.00	-2.00	0.00
6,150.0	3.39	190.17	5,948.6	-1,394.6	-250.1	-100.5	2.00	-2.00	0.00
6,200.0	2.39	190.17	5,998.5	-1,397.0	-250.6	-100.7	2.00	-2.00	0.00
6,250.0	1.39	190.17	6,048.5	-1,398.7	-250.9	-100.8	2.00	-2.00	0.00
6,300.0	0.39	190.17	6,098.5	-1,399.4	-251.0	-100.9	2.00	-2.00	0.00
6,319.5	0.00	0.00	6,118.0	-1,399.5	-251.0	-100.9	2.00	-2.00	0.00
KOP: 710' FSL & 473' FEL (Sec 32)									
6,350.0	3.04	90.21	6,148.4	-1,399.5	-250.2	-100.1	9.99	9.99	0.00
6,400.0	8.04	90.21	6,198.2	-1,399.5	-245.4	-95.2	9.99	9.99	0.00
6,450.0	13.04	90.21	6,247.3	-1,399.6	-236.2	-86.2	9.99	9.99	0.00
6,500.0	18.04	90.21	6,295.5	-1,399.6	-222.8	-72.8	9.99	9.99	0.00
6,550.0	23.03	90.21	6,342.3	-1,399.7	-205.3	-55.4	9.99	9.99	0.00
6,600.0	28.03	90.21	6,387.4	-1,399.7	-183.8	-34.0	9.99	9.99	0.00
6,638.8	31.91	90.21	6,421.0	-1,399.8	-164.4	-14.7	9.99	9.99	0.00
2nd Bone Spring: 710' FSL & 444' FEL (Sec 32)									
6,650.0	33.03	90.21	6,430.5	-1,399.8	-158.4	-8.7	9.99	9.99	0.00
6,700.0	38.02	90.21	6,471.1	-1,399.9	-129.3	20.2	9.99	9.99	0.00
6,750.0	43.02	90.21	6,509.1	-1,400.1	-96.8	52.5	9.99	9.99	0.00
6,800.0	48.02	90.21	6,544.2	-1,400.2	-61.2	88.0	9.99	9.99	0.00
6,850.0	53.01	90.21	6,575.9	-1,400.3	-22.6	126.3	9.99	9.99	0.00
6,900.0	58.01	90.21	6,604.2	-1,400.5	18.6	167.3	9.99	9.99	0.00
6,950.0	63.01	90.21	6,628.9	-1,400.7	62.1	210.6	9.99	9.99	0.00
7,000.0	68.01	90.21	6,649.6	-1,400.8	107.6	255.8	9.99	9.99	0.00
7,050.0	73.00	90.21	6,666.3	-1,401.0	154.7	302.7	9.99	9.99	0.00
7,100.0	78.00	90.21	6,678.8	-1,401.2	203.1	350.8	9.99	9.99	0.00
7,150.0	83.00	90.21	6,687.0	-1,401.4	252.4	399.9	9.99	9.99	0.00
7,177.7	85.77	90.21	6,689.7	-1,401.5	280.0	427.3	9.99	9.99	0.00
Exit VB05360001: 710' FSL & 0' FEL (Sec 32)									
7,200.0	87.99	90.21	6,690.9	-1,401.5	302.2	449.5	9.99	9.99	0.00
7,201.5	88.15	90.21	6,691.0	-1,401.6	303.8	451.0	9.99	9.99	0.00
7,218.9	88.15	90.21	6,691.6	-1,401.6	321.1	468.2	0.00	0.00	0.00
FTP/LP: 710' FSL & 100' FWL (Sec 33)									
7,250.0	88.15	90.21	6,692.6	-1,401.7	352.2	499.2	0.00	0.00	0.00

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Buffalo Nickel 33/35 State Com #527H
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 #527H	North Reference:	Grid
Well:	Sec 32, T21S, R26E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 710' FSL & 2592' 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)
7,300.0	88.15	90.21	6,694.2	-1,401.9	402.2	548.9	0.00	0.00	0.00
7,350.0	88.15	90.21	6,695.8	-1,402.1	452.1	598.6	0.00	0.00	0.00
7,400.0	88.15	90.21	6,697.4	-1,402.3	502.1	648.3	0.00	0.00	0.00
7,450.0	88.15	90.21	6,699.0	-1,402.5	552.1	698.0	0.00	0.00	0.00
7,500.0	88.15	90.21	6,700.6	-1,402.7	602.1	747.7	0.00	0.00	0.00
7,550.0	88.15	90.21	6,702.3	-1,402.8	652.0	797.4	0.00	0.00	0.00
7,600.0	88.15	90.21	6,703.9	-1,403.0	702.0	847.1	0.00	0.00	0.00
7,650.0	88.15	90.21	6,705.5	-1,403.2	752.0	896.8	0.00	0.00	0.00
7,700.0	88.15	90.21	6,707.1	-1,403.4	802.0	946.6	0.00	0.00	0.00
7,750.0	88.15	90.21	6,708.7	-1,403.6	851.9	996.3	0.00	0.00	0.00
7,800.0	88.15	90.21	6,710.3	-1,403.8	901.9	1,046.0	0.00	0.00	0.00
7,850.0	88.15	90.21	6,712.0	-1,403.9	951.9	1,095.7	0.00	0.00	0.00
7,900.0	88.15	90.21	6,713.6	-1,404.1	1,001.9	1,145.4	0.00	0.00	0.00
7,950.0	88.15	90.21	6,715.2	-1,404.3	1,051.8	1,195.1	0.00	0.00	0.00
8,000.0	88.15	90.21	6,716.8	-1,404.5	1,101.8	1,244.8	0.00	0.00	0.00
8,050.0	88.15	90.21	6,718.4	-1,404.7	1,151.8	1,294.5	0.00	0.00	0.00
8,100.0	88.15	90.21	6,720.0	-1,404.9	1,201.7	1,344.2	0.00	0.00	0.00
8,150.0	88.15	90.21	6,721.6	-1,405.1	1,251.7	1,393.9	0.00	0.00	0.00
8,200.0	88.15	90.21	6,723.3	-1,405.2	1,301.7	1,443.7	0.00	0.00	0.00
8,250.0	88.15	90.21	6,724.9	-1,405.4	1,351.7	1,493.4	0.00	0.00	0.00
8,300.0	88.15	90.21	6,726.5	-1,405.6	1,401.6	1,543.1	0.00	0.00	0.00
8,350.0	88.15	90.21	6,728.1	-1,405.8	1,451.6	1,592.8	0.00	0.00	0.00
8,400.0	88.15	90.21	6,729.7	-1,406.0	1,501.6	1,642.5	0.00	0.00	0.00
8,450.0	88.15	90.21	6,731.3	-1,406.2	1,551.6	1,692.2	0.00	0.00	0.00
8,500.0	88.15	90.21	6,733.0	-1,406.3	1,601.5	1,741.9	0.00	0.00	0.00
8,550.0	88.15	90.21	6,734.6	-1,406.5	1,651.5	1,791.6	0.00	0.00	0.00
8,600.0	88.15	90.21	6,736.2	-1,406.7	1,701.5	1,841.3	0.00	0.00	0.00
8,650.0	88.15	90.21	6,737.8	-1,406.9	1,751.5	1,891.0	0.00	0.00	0.00
8,700.0	88.15	90.21	6,739.4	-1,407.1	1,801.4	1,940.8	0.00	0.00	0.00
8,750.0	88.15	90.21	6,741.0	-1,407.3	1,851.4	1,990.5	0.00	0.00	0.00
8,800.0	88.15	90.21	6,742.7	-1,407.5	1,901.4	2,040.2	0.00	0.00	0.00
8,850.0	88.15	90.21	6,744.3	-1,407.6	1,951.4	2,089.9	0.00	0.00	0.00
8,900.0	88.15	90.21	6,745.9	-1,407.8	2,001.3	2,139.6	0.00	0.00	0.00
8,950.0	88.15	90.21	6,747.5	-1,408.0	2,051.3	2,189.3	0.00	0.00	0.00
9,000.0	88.15	90.21	6,749.1	-1,408.2	2,101.3	2,239.0	0.00	0.00	0.00
9,050.0	88.15	90.21	6,750.7	-1,408.4	2,151.2	2,288.7	0.00	0.00	0.00
9,100.0	88.15	90.21	6,752.3	-1,408.6	2,201.2	2,338.4	0.00	0.00	0.00
9,150.0	88.15	90.21	6,754.0	-1,408.7	2,251.2	2,388.2	0.00	0.00	0.00
9,200.0	88.15	90.21	6,755.6	-1,408.9	2,301.2	2,437.9	0.00	0.00	0.00
9,250.0	88.15	90.21	6,757.2	-1,409.1	2,351.1	2,487.6	0.00	0.00	0.00
9,300.0	88.15	90.21	6,758.8	-1,409.3	2,401.1	2,537.3	0.00	0.00	0.00
9,350.0	88.15	90.21	6,760.4	-1,409.5	2,451.1	2,587.0	0.00	0.00	0.00
9,400.0	88.15	90.21	6,762.0	-1,409.7	2,501.1	2,636.7	0.00	0.00	0.00
9,450.0	88.15	90.21	6,763.7	-1,409.9	2,551.0	2,686.4	0.00	0.00	0.00
9,500.0	88.15	90.21	6,765.3	-1,410.0	2,601.0	2,736.1	0.00	0.00	0.00
9,550.0	88.15	90.21	6,766.9	-1,410.2	2,651.0	2,785.8	0.00	0.00	0.00
9,600.0	88.15	90.21	6,768.5	-1,410.4	2,701.0	2,835.5	0.00	0.00	0.00
9,650.0	88.15	90.21	6,770.1	-1,410.6	2,750.9	2,885.3	0.00	0.00	0.00
9,700.0	88.15	90.21	6,771.7	-1,410.8	2,800.9	2,935.0	0.00	0.00	0.00
9,750.0	88.15	90.21	6,773.3	-1,411.0	2,850.9	2,984.7	0.00	0.00	0.00
9,800.0	88.15	90.21	6,775.0	-1,411.2	2,900.8	3,034.4	0.00	0.00	0.00
9,850.0	88.15	90.21	6,776.6	-1,411.3	2,950.8	3,084.1	0.00	0.00	0.00
9,900.0	88.15	90.21	6,778.2	-1,411.5	3,000.8	3,133.8	0.00	0.00	0.00
9,950.0	88.15	90.21	6,779.8	-1,411.7	3,050.8	3,183.5	0.00	0.00	0.00

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Buffalo Nickel 33/35 State Com #527H
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 #527H	North Reference:	Grid
Well:	Sec 32, T21S, R26E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 710' FSL & 2592' 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)	
10,000.0	88.15	90.21	6,781.4	-1,411.9	3,100.7	3,233.2	0.00	0.00	0.00	
10,050.0	88.15	90.21	6,783.0	-1,412.1	3,150.7	3,282.9	0.00	0.00	0.00	
10,100.0	88.15	90.21	6,784.7	-1,412.3	3,200.7	3,332.6	0.00	0.00	0.00	
10,150.0	88.15	90.21	6,786.3	-1,412.4	3,250.7	3,382.4	0.00	0.00	0.00	
10,200.0	88.15	90.21	6,787.9	-1,412.6	3,300.6	3,432.1	0.00	0.00	0.00	
10,250.0	88.15	90.21	6,789.5	-1,412.8	3,350.6	3,481.8	0.00	0.00	0.00	
10,300.0	88.15	90.21	6,791.1	-1,413.0	3,400.6	3,531.5	0.00	0.00	0.00	
10,350.0	88.15	90.21	6,792.7	-1,413.2	3,450.6	3,581.2	0.00	0.00	0.00	
10,400.0	88.15	90.21	6,794.4	-1,413.4	3,500.5	3,630.9	0.00	0.00	0.00	
10,450.0	88.15	90.21	6,796.0	-1,413.6	3,550.5	3,680.6	0.00	0.00	0.00	
10,500.0	88.15	90.21	6,797.6	-1,413.7	3,600.5	3,730.3	0.00	0.00	0.00	
10,550.0	88.15	90.21	6,799.2	-1,413.9	3,650.5	3,780.0	0.00	0.00	0.00	
10,600.0	88.15	90.21	6,800.8	-1,414.1	3,700.4	3,829.7	0.00	0.00	0.00	
10,650.0	88.15	90.21	6,802.4	-1,414.3	3,750.4	3,879.5	0.00	0.00	0.00	
10,700.0	88.15	90.21	6,804.0	-1,414.5	3,800.4	3,929.2	0.00	0.00	0.00	
10,750.0	88.15	90.21	6,805.7	-1,414.7	3,850.3	3,978.9	0.00	0.00	0.00	
10,800.0	88.15	90.21	6,807.3	-1,414.8	3,900.3	4,028.6	0.00	0.00	0.00	
10,850.0	88.15	90.21	6,808.9	-1,415.0	3,950.3	4,078.3	0.00	0.00	0.00	
10,900.0	88.15	90.21	6,810.5	-1,415.2	4,000.3	4,128.0	0.00	0.00	0.00	
10,950.0	88.15	90.21	6,812.1	-1,415.4	4,050.2	4,177.7	0.00	0.00	0.00	
11,000.0	88.15	90.21	6,813.7	-1,415.6	4,100.2	4,227.4	0.00	0.00	0.00	
11,050.0	88.15	90.21	6,815.4	-1,415.8	4,150.2	4,277.1	0.00	0.00	0.00	
11,100.0	88.15	90.21	6,817.0	-1,416.0	4,200.2	4,326.8	0.00	0.00	0.00	
11,150.0	88.15	90.21	6,818.6	-1,416.1	4,250.1	4,376.6	0.00	0.00	0.00	
11,200.0	88.15	90.21	6,820.2	-1,416.3	4,300.1	4,426.3	0.00	0.00	0.00	
11,250.0	88.15	90.21	6,821.8	-1,416.5	4,350.1	4,476.0	0.00	0.00	0.00	
11,300.0	88.15	90.21	6,823.4	-1,416.7	4,400.1	4,525.7	0.00	0.00	0.00	
11,350.0	88.15	90.21	6,825.0	-1,416.9	4,450.0	4,575.4	0.00	0.00	0.00	
11,400.0	88.15	90.21	6,826.7	-1,417.1	4,500.0	4,625.1	0.00	0.00	0.00	
11,450.0	88.15	90.21	6,828.3	-1,417.2	4,550.0	4,674.8	0.00	0.00	0.00	
11,500.0	88.15	90.21	6,829.9	-1,417.4	4,600.0	4,724.5	0.00	0.00	0.00	
11,550.0	88.15	90.21	6,831.5	-1,417.6	4,649.9	4,774.2	0.00	0.00	0.00	
11,600.0	88.15	90.21	6,833.1	-1,417.8	4,699.9	4,824.0	0.00	0.00	0.00	
11,650.0	88.15	90.21	6,834.7	-1,418.0	4,749.9	4,873.7	0.00	0.00	0.00	
11,700.0	88.15	90.21	6,836.4	-1,418.2	4,799.8	4,923.4	0.00	0.00	0.00	
11,750.0	88.15	90.21	6,838.0	-1,418.4	4,849.8	4,973.1	0.00	0.00	0.00	
11,800.0	88.15	90.21	6,839.6	-1,418.5	4,899.8	5,022.8	0.00	0.00	0.00	
11,850.0	88.15	90.21	6,841.2	-1,418.7	4,949.8	5,072.5	0.00	0.00	0.00	
11,900.0	88.15	90.21	6,842.8	-1,418.9	4,999.7	5,122.2	0.00	0.00	0.00	
11,950.0	88.15	90.21	6,844.4	-1,419.1	5,049.7	5,171.9	0.00	0.00	0.00	
12,000.0	88.15	90.21	6,846.1	-1,419.3	5,099.7	5,221.6	0.00	0.00	0.00	
12,050.0	88.15	90.21	6,847.7	-1,419.5	5,149.7	5,271.3	0.00	0.00	0.00	
12,100.0	88.15	90.21	6,849.3	-1,419.6	5,199.6	5,321.1	0.00	0.00	0.00	
12,150.0	88.15	90.21	6,850.9	-1,419.8	5,249.6	5,370.8	0.00	0.00	0.00	
12,200.0	88.15	90.21	6,852.5	-1,420.0	5,299.6	5,420.5	0.00	0.00	0.00	
12,250.0	88.15	90.21	6,854.1	-1,420.2	5,349.6	5,470.2	0.00	0.00	0.00	
12,300.0	88.15	90.21	6,855.7	-1,420.4	5,399.5	5,519.9	0.00	0.00	0.00	
12,350.0	88.15	90.21	6,857.4	-1,420.6	5,449.5	5,569.6	0.00	0.00	0.00	
12,400.0	88.15	90.21	6,859.0	-1,420.8	5,499.5	5,619.3	0.00	0.00	0.00	
12,450.0	88.15	90.21	6,860.6	-1,420.9	5,549.4	5,669.0	0.00	0.00	0.00	
12,500.0	88.15	90.21	6,862.2	-1,421.1	5,599.4	5,718.7	0.00	0.00	0.00	
12,550.0	88.15	90.21	6,863.8	-1,421.3	5,649.4	5,768.4	0.00	0.00	0.00	
12,600.0	88.15	90.21	6,865.4	-1,421.5	5,699.4	5,818.2	0.00	0.00	0.00	
12,650.0	88.15	90.21	6,867.1	-1,421.7	5,749.3	5,867.9	0.00	0.00	0.00	

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Buffalo Nickel 33/35 State Com #527H
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 #527H	North Reference:	Grid
Well:	Sec 32, T21S, R26E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 710' FSL & 2592' 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)	
12,700.0	88.15	90.21	6,868.7	-1,421.9	5,799.3	5,917.6	0.00	0.00	0.00	
12,750.0	88.15	90.21	6,870.3	-1,422.0	5,849.3	5,967.3	0.00	0.00	0.00	
12,800.0	88.15	90.21	6,871.9	-1,422.2	5,899.3	6,017.0	0.00	0.00	0.00	
12,850.0	88.15	90.21	6,873.5	-1,422.4	5,949.2	6,066.7	0.00	0.00	0.00	
12,900.0	88.15	90.21	6,875.1	-1,422.6	5,999.2	6,116.4	0.00	0.00	0.00	
12,950.0	88.15	90.21	6,876.8	-1,422.8	6,049.2	6,166.1	0.00	0.00	0.00	
13,000.0	88.15	90.21	6,878.4	-1,423.0	6,099.2	6,215.8	0.00	0.00	0.00	
13,050.0	88.15	90.21	6,880.0	-1,423.2	6,149.1	6,265.5	0.00	0.00	0.00	
13,100.0	88.15	90.21	6,881.6	-1,423.3	6,199.1	6,315.3	0.00	0.00	0.00	
13,150.0	88.15	90.21	6,883.2	-1,423.5	6,249.1	6,365.0	0.00	0.00	0.00	
13,200.0	88.15	90.21	6,884.8	-1,423.7	6,299.1	6,414.7	0.00	0.00	0.00	
13,250.0	88.15	90.21	6,886.4	-1,423.9	6,349.0	6,464.4	0.00	0.00	0.00	
13,300.0	88.15	90.21	6,888.1	-1,424.1	6,399.0	6,514.1	0.00	0.00	0.00	
13,350.0	88.15	90.21	6,889.7	-1,424.3	6,449.0	6,563.8	0.00	0.00	0.00	
13,400.0	88.15	90.21	6,891.3	-1,424.5	6,498.9	6,613.5	0.00	0.00	0.00	
13,450.0	88.15	90.21	6,892.9	-1,424.6	6,548.9	6,663.2	0.00	0.00	0.00	
13,500.0	88.15	90.21	6,894.5	-1,424.8	6,598.9	6,712.9	0.00	0.00	0.00	
13,550.0	88.15	90.21	6,896.1	-1,425.0	6,648.9	6,762.6	0.00	0.00	0.00	
13,600.0	88.15	90.21	6,897.8	-1,425.2	6,698.8	6,812.4	0.00	0.00	0.00	
13,650.0	88.15	90.21	6,899.4	-1,425.4	6,748.8	6,862.1	0.00	0.00	0.00	
13,700.0	88.15	90.21	6,901.0	-1,425.6	6,798.8	6,911.8	0.00	0.00	0.00	
13,750.0	88.15	90.21	6,902.6	-1,425.7	6,848.8	6,961.5	0.00	0.00	0.00	
13,800.0	88.15	90.21	6,904.2	-1,425.9	6,898.7	7,011.2	0.00	0.00	0.00	
13,850.0	88.15	90.21	6,905.8	-1,426.1	6,948.7	7,060.9	0.00	0.00	0.00	
13,900.0	88.15	90.21	6,907.4	-1,426.3	6,998.7	7,110.6	0.00	0.00	0.00	
13,950.0	88.15	90.21	6,909.1	-1,426.5	7,048.7	7,160.3	0.00	0.00	0.00	
14,000.0	88.15	90.21	6,910.7	-1,426.7	7,098.6	7,210.0	0.00	0.00	0.00	
14,050.0	88.15	90.21	6,912.3	-1,426.9	7,148.6	7,259.8	0.00	0.00	0.00	
14,100.0	88.15	90.21	6,913.9	-1,427.0	7,198.6	7,309.5	0.00	0.00	0.00	
14,150.0	88.15	90.21	6,915.5	-1,427.2	7,248.5	7,359.2	0.00	0.00	0.00	
14,200.0	88.15	90.21	6,917.1	-1,427.4	7,298.5	7,408.9	0.00	0.00	0.00	
14,250.0	88.15	90.21	6,918.8	-1,427.6	7,348.5	7,458.6	0.00	0.00	0.00	
14,300.0	88.15	90.21	6,920.4	-1,427.8	7,398.5	7,508.3	0.00	0.00	0.00	
14,350.0	88.15	90.21	6,922.0	-1,428.0	7,448.4	7,558.0	0.00	0.00	0.00	
14,400.0	88.15	90.21	6,923.6	-1,428.1	7,498.4	7,607.7	0.00	0.00	0.00	
14,450.0	88.15	90.21	6,925.2	-1,428.3	7,548.4	7,657.4	0.00	0.00	0.00	
14,500.0	88.15	90.21	6,926.8	-1,428.5	7,598.4	7,707.1	0.00	0.00	0.00	
14,550.0	88.15	90.21	6,928.5	-1,428.7	7,648.3	7,756.9	0.00	0.00	0.00	
14,600.0	88.15	90.21	6,930.1	-1,428.9	7,698.3	7,806.6	0.00	0.00	0.00	
14,650.0	88.15	90.21	6,931.7	-1,429.1	7,748.3	7,856.3	0.00	0.00	0.00	
14,700.0	88.15	90.21	6,933.3	-1,429.3	7,798.3	7,906.0	0.00	0.00	0.00	
14,750.0	88.15	90.21	6,934.9	-1,429.4	7,848.2	7,955.7	0.00	0.00	0.00	
14,800.0	88.15	90.21	6,936.5	-1,429.6	7,898.2	8,005.4	0.00	0.00	0.00	
14,850.0	88.15	90.21	6,938.1	-1,429.8	7,948.2	8,055.1	0.00	0.00	0.00	
14,900.0	88.15	90.21	6,939.8	-1,430.0	7,998.2	8,104.8	0.00	0.00	0.00	
14,950.0	88.15	90.21	6,941.4	-1,430.2	8,048.1	8,154.5	0.00	0.00	0.00	
15,000.0	88.15	90.21	6,943.0	-1,430.4	8,098.1	8,204.2	0.00	0.00	0.00	
15,050.0	88.15	90.21	6,944.6	-1,430.5	8,148.1	8,254.0	0.00	0.00	0.00	
15,100.0	88.15	90.21	6,946.2	-1,430.7	8,198.0	8,303.7	0.00	0.00	0.00	
15,150.0	88.15	90.21	6,947.8	-1,430.9	8,248.0	8,353.4	0.00	0.00	0.00	
15,200.0	88.15	90.21	6,949.5	-1,431.1	8,298.0	8,403.1	0.00	0.00	0.00	
15,250.0	88.15	90.21	6,951.1	-1,431.3	8,348.0	8,452.8	0.00	0.00	0.00	
15,300.0	88.15	90.21	6,952.7	-1,431.5	8,397.9	8,502.5	0.00	0.00	0.00	
15,350.0	88.15	90.21	6,954.3	-1,431.7	8,447.9	8,552.2	0.00	0.00	0.00	

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Buffalo Nickel 33/35 State Com #527H
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 #527H	North Reference:	Grid
Well:	Sec 32, T21S, R26E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 710' FSL & 2592' 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)	
15,400.0	88.15	90.21	6,955.9	-1,431.8	8,497.9	8,601.9	0.00	0.00	0.00	
15,450.0	88.15	90.21	6,957.5	-1,432.0	8,547.9	8,651.6	0.00	0.00	0.00	
15,500.0	88.15	90.21	6,959.1	-1,432.2	8,597.8	8,701.3	0.00	0.00	0.00	
15,550.0	88.15	90.21	6,960.8	-1,432.4	8,647.8	8,751.1	0.00	0.00	0.00	
15,600.0	88.15	90.21	6,962.4	-1,432.6	8,697.8	8,800.8	0.00	0.00	0.00	
15,650.0	88.15	90.21	6,964.0	-1,432.8	8,747.8	8,850.5	0.00	0.00	0.00	
15,700.0	88.15	90.21	6,965.6	-1,432.9	8,797.7	8,900.2	0.00	0.00	0.00	
15,750.0	88.15	90.21	6,967.2	-1,433.1	8,847.7	8,949.9	0.00	0.00	0.00	
15,800.0	88.15	90.21	6,968.8	-1,433.3	8,897.7	8,999.6	0.00	0.00	0.00	
15,850.0	88.15	90.21	6,970.5	-1,433.5	8,947.6	9,049.3	0.00	0.00	0.00	
15,900.0	88.15	90.21	6,972.1	-1,433.7	8,997.6	9,099.0	0.00	0.00	0.00	
15,950.0	88.15	90.21	6,973.7	-1,433.9	9,047.6	9,148.7	0.00	0.00	0.00	
16,000.0	88.15	90.21	6,975.3	-1,434.1	9,097.6	9,198.4	0.00	0.00	0.00	
16,050.0	88.15	90.21	6,976.9	-1,434.2	9,147.5	9,248.2	0.00	0.00	0.00	
16,100.0	88.15	90.21	6,978.5	-1,434.4	9,197.5	9,297.9	0.00	0.00	0.00	
16,150.0	88.15	90.21	6,980.2	-1,434.6	9,247.5	9,347.6	0.00	0.00	0.00	
16,200.0	88.15	90.21	6,981.8	-1,434.8	9,297.5	9,397.3	0.00	0.00	0.00	
16,250.0	88.15	90.21	6,983.4	-1,435.0	9,347.4	9,447.0	0.00	0.00	0.00	
16,300.0	88.15	90.21	6,985.0	-1,435.2	9,397.4	9,496.7	0.00	0.00	0.00	
16,350.0	88.15	90.21	6,986.6	-1,435.3	9,447.4	9,546.4	0.00	0.00	0.00	
16,400.0	88.15	90.21	6,988.2	-1,435.5	9,497.4	9,596.1	0.00	0.00	0.00	
16,450.0	88.15	90.21	6,989.8	-1,435.7	9,547.3	9,645.8	0.00	0.00	0.00	
16,500.0	88.15	90.21	6,991.5	-1,435.9	9,597.3	9,695.6	0.00	0.00	0.00	
16,550.0	88.15	90.21	6,993.1	-1,436.1	9,647.3	9,745.3	0.00	0.00	0.00	
16,600.0	88.15	90.21	6,994.7	-1,436.3	9,697.3	9,795.0	0.00	0.00	0.00	
16,650.0	88.15	90.21	6,996.3	-1,436.5	9,747.2	9,844.7	0.00	0.00	0.00	
16,700.0	88.15	90.21	6,997.9	-1,436.6	9,797.2	9,894.4	0.00	0.00	0.00	
16,750.0	88.15	90.21	6,999.5	-1,436.8	9,847.2	9,944.1	0.00	0.00	0.00	
16,800.0	88.15	90.21	7,001.2	-1,437.0	9,897.1	9,993.8	0.00	0.00	0.00	
16,850.0	88.15	90.21	7,002.8	-1,437.2	9,947.1	10,043.5	0.00	0.00	0.00	
16,900.0	88.15	90.21	7,004.4	-1,437.4	9,997.1	10,093.2	0.00	0.00	0.00	
16,950.0	88.15	90.21	7,006.0	-1,437.6	10,047.1	10,142.9	0.00	0.00	0.00	
17,000.0	88.15	90.21	7,007.6	-1,437.8	10,097.0	10,192.7	0.00	0.00	0.00	
17,050.0	88.15	90.21	7,009.2	-1,437.9	10,147.0	10,242.4	0.00	0.00	0.00	
17,100.0	88.15	90.21	7,010.8	-1,438.1	10,197.0	10,292.1	0.00	0.00	0.00	
17,150.0	88.15	90.21	7,012.5	-1,438.3	10,247.0	10,341.8	0.00	0.00	0.00	
17,200.0	88.15	90.21	7,014.1	-1,438.5	10,296.9	10,391.5	0.00	0.00	0.00	
17,250.0	88.15	90.21	7,015.7	-1,438.7	10,346.9	10,441.2	0.00	0.00	0.00	
17,300.0	88.15	90.21	7,017.3	-1,438.9	10,396.9	10,490.9	0.00	0.00	0.00	
17,350.0	88.15	90.21	7,018.9	-1,439.0	10,446.9	10,540.6	0.00	0.00	0.00	
17,400.0	88.15	90.21	7,020.5	-1,439.2	10,496.8	10,590.3	0.00	0.00	0.00	
17,450.0	88.15	90.21	7,022.2	-1,439.4	10,546.8	10,640.0	0.00	0.00	0.00	
17,500.0	88.15	90.21	7,023.8	-1,439.6	10,596.8	10,689.8	0.00	0.00	0.00	
17,550.0	88.15	90.21	7,025.4	-1,439.8	10,646.7	10,739.5	0.00	0.00	0.00	
17,600.0	88.15	90.21	7,027.0	-1,440.0	10,696.7	10,789.2	0.00	0.00	0.00	
17,650.0	88.15	90.21	7,028.6	-1,440.2	10,746.7	10,838.9	0.00	0.00	0.00	
17,700.0	88.15	90.21	7,030.2	-1,440.3	10,796.7	10,888.6	0.00	0.00	0.00	
17,750.0	88.15	90.21	7,031.9	-1,440.5	10,846.6	10,938.3	0.00	0.00	0.00	
17,800.0	88.15	90.21	7,033.5	-1,440.7	10,896.6	10,988.0	0.00	0.00	0.00	
17,850.0	88.15	90.21	7,035.1	-1,440.9	10,946.6	11,037.7	0.00	0.00	0.00	
17,900.0	88.15	90.21	7,036.7	-1,441.1	10,996.6	11,087.4	0.00	0.00	0.00	
17,950.0	88.15	90.21	7,038.3	-1,441.3	11,046.5	11,137.1	0.00	0.00	0.00	
18,000.0	88.15	90.21	7,039.9	-1,441.4	11,096.5	11,186.9	0.00	0.00	0.00	
18,050.0	88.15	90.21	7,041.5	-1,441.6	11,146.5	11,236.6	0.00	0.00	0.00	

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Buffalo Nickel 33/35 State Com #527H
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 #527H	North Reference:	Grid
Well:	Sec 32, T21S, R26E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 710' FSL & 2592' FWL (Sec 35)		
Design:	Design #1		

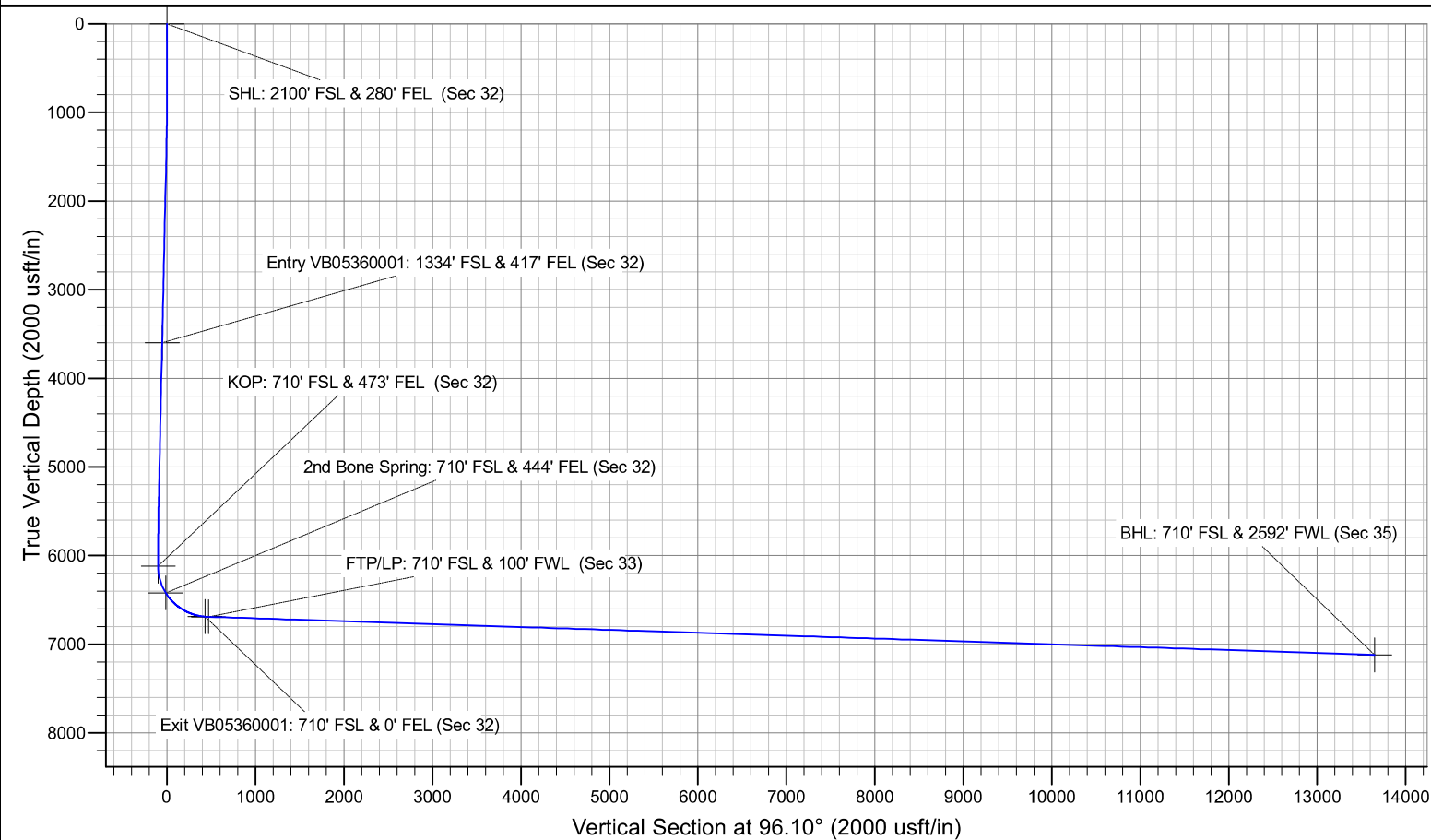
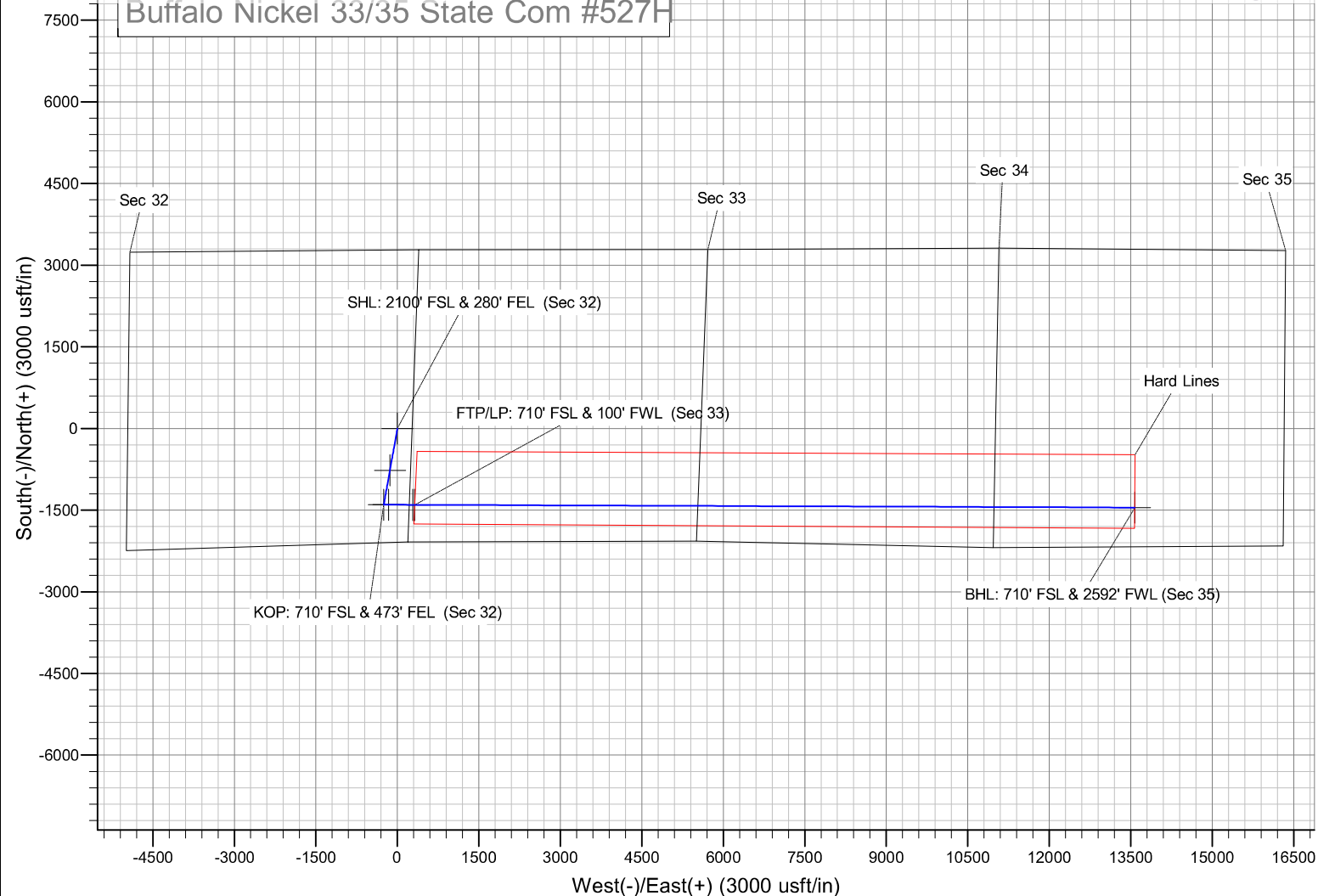
Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
18,100.0	88.15	90.21	7,043.2	-1,441.8	11,196.5	11,286.3	0.00	0.00	0.00
18,150.0	88.15	90.21	7,044.8	-1,442.0	11,246.4	11,336.0	0.00	0.00	0.00
18,200.0	88.15	90.21	7,046.4	-1,442.2	11,296.4	11,385.7	0.00	0.00	0.00
18,250.0	88.15	90.21	7,048.0	-1,442.4	11,346.4	11,435.4	0.00	0.00	0.00
18,300.0	88.15	90.21	7,049.6	-1,442.6	11,396.4	11,485.1	0.00	0.00	0.00
18,350.0	88.15	90.21	7,051.2	-1,442.7	11,446.3	11,534.8	0.00	0.00	0.00
18,400.0	88.15	90.21	7,052.9	-1,442.9	11,496.3	11,584.5	0.00	0.00	0.00
18,450.0	88.15	90.21	7,054.5	-1,443.1	11,546.3	11,634.2	0.00	0.00	0.00
18,500.0	88.15	90.21	7,056.1	-1,443.3	11,596.2	11,684.0	0.00	0.00	0.00
18,550.0	88.15	90.21	7,057.7	-1,443.5	11,646.2	11,733.7	0.00	0.00	0.00
18,600.0	88.15	90.21	7,059.3	-1,443.7	11,696.2	11,783.4	0.00	0.00	0.00
18,650.0	88.15	90.21	7,060.9	-1,443.8	11,746.2	11,833.1	0.00	0.00	0.00
18,700.0	88.15	90.21	7,062.6	-1,444.0	11,796.1	11,882.8	0.00	0.00	0.00
18,750.0	88.15	90.21	7,064.2	-1,444.2	11,846.1	11,932.5	0.00	0.00	0.00
18,800.0	88.15	90.21	7,065.8	-1,444.4	11,896.1	11,982.2	0.00	0.00	0.00
18,850.0	88.15	90.21	7,067.4	-1,444.6	11,946.1	12,031.9	0.00	0.00	0.00
18,900.0	88.15	90.21	7,069.0	-1,444.8	11,996.0	12,081.6	0.00	0.00	0.00
18,950.0	88.15	90.21	7,070.6	-1,445.0	12,046.0	12,131.4	0.00	0.00	0.00
19,000.0	88.15	90.21	7,072.2	-1,445.1	12,096.0	12,181.1	0.00	0.00	0.00
19,050.0	88.15	90.21	7,073.9	-1,445.3	12,146.0	12,230.8	0.00	0.00	0.00
19,100.0	88.15	90.21	7,075.5	-1,445.5	12,195.9	12,280.5	0.00	0.00	0.00
19,150.0	88.15	90.21	7,077.1	-1,445.7	12,245.9	12,330.2	0.00	0.00	0.00
19,200.0	88.15	90.21	7,078.7	-1,445.9	12,295.9	12,379.9	0.00	0.00	0.00
19,250.0	88.15	90.21	7,080.3	-1,446.1	12,345.8	12,429.6	0.00	0.00	0.00
19,300.0	88.15	90.21	7,081.9	-1,446.2	12,395.8	12,479.3	0.00	0.00	0.00
19,350.0	88.15	90.21	7,083.6	-1,446.4	12,445.8	12,529.0	0.00	0.00	0.00
19,400.0	88.15	90.21	7,085.2	-1,446.6	12,495.8	12,578.7	0.00	0.00	0.00
19,450.0	88.15	90.21	7,086.8	-1,446.8	12,545.7	12,628.5	0.00	0.00	0.00
19,500.0	88.15	90.21	7,088.4	-1,447.0	12,595.7	12,678.2	0.00	0.00	0.00
19,550.0	88.15	90.21	7,090.0	-1,447.2	12,645.7	12,727.9	0.00	0.00	0.00
19,600.0	88.15	90.21	7,091.6	-1,447.4	12,695.7	12,777.6	0.00	0.00	0.00
19,650.0	88.15	90.21	7,093.2	-1,447.5	12,745.6	12,827.3	0.00	0.00	0.00
19,700.0	88.15	90.21	7,094.9	-1,447.7	12,795.6	12,877.0	0.00	0.00	0.00
19,750.0	88.15	90.21	7,096.5	-1,447.9	12,845.6	12,926.7	0.00	0.00	0.00
19,800.0	88.15	90.21	7,098.1	-1,448.1	12,895.6	12,976.4	0.00	0.00	0.00
19,850.0	88.15	90.21	7,099.7	-1,448.3	12,945.5	13,026.1	0.00	0.00	0.00
19,900.0	88.15	90.21	7,101.3	-1,448.5	12,995.5	13,075.8	0.00	0.00	0.00
19,950.0	88.15	90.21	7,102.9	-1,448.6	13,045.5	13,125.6	0.00	0.00	0.00
20,000.0	88.15	90.21	7,104.6	-1,448.8	13,095.5	13,175.3	0.00	0.00	0.00
20,050.0	88.15	90.21	7,106.2	-1,449.0	13,145.4	13,225.0	0.00	0.00	0.00
20,100.0	88.15	90.21	7,107.8	-1,449.2	13,195.4	13,274.7	0.00	0.00	0.00
20,150.0	88.15	90.21	7,109.4	-1,449.4	13,245.4	13,324.4	0.00	0.00	0.00
20,200.0	88.15	90.21	7,111.0	-1,449.6	13,295.3	13,374.1	0.00	0.00	0.00
20,250.0	88.15	90.21	7,112.6	-1,449.8	13,345.3	13,423.8	0.00	0.00	0.00
20,300.0	88.15	90.21	7,114.3	-1,449.9	13,395.3	13,473.5	0.00	0.00	0.00
20,350.0	88.15	90.21	7,115.9	-1,450.1	13,445.3	13,523.2	0.00	0.00	0.00
20,400.0	88.15	90.21	7,117.5	-1,450.3	13,495.2	13,572.9	0.00	0.00	0.00
20,450.0	88.15	90.21	7,119.1	-1,450.5	13,545.2	13,622.7	0.00	0.00	0.00
20,477.9	88.15	90.21	7,120.0	-1,450.6	13,573.1	13,650.4	0.00	0.00	0.00
BHL: 710' FSL & 2592' FWL (Sec 35)									

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Buffalo Nickel 33/35 State Com #527H
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 #527H	North Reference:	Grid
Well:	Sec 32, T21S, R26E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 710' FSL & 2592' FWL (Sec 35)		
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: 2100' FSL & 280' F	0.00	0.00	0.0	0.0	0.0	521,874.70	549,318.10	32.4346967	-104.3074657
- plan hits target center									
- Point									
Entry VB05360001: 133'	0.00	0.00	3,601.0	-766.0	-137.4	521,108.70	549,180.72	32.4325912	-104.3079116
- plan hits target center									
- Point									
KOP: 710' FSL & 473' FI	0.00	0.00	6,118.0	-1,399.5	-251.0	520,475.20	549,067.10	32.4308499	-104.3082803
- plan hits target center									
- Point									
2nd Bone Spring: 710' F	0.00	0.00	6,421.0	-1,399.8	-164.4	520,474.88	549,153.72	32.4308489	-104.3079996
- plan hits target center									
- Point									
Exit VB05360001: 710' F	0.00	0.00	6,689.7	-1,401.5	280.0	520,473.24	549,598.10	32.4308441	-104.3065592
- plan hits target center									
- Point									
FTP/LP: 710' FSL & 100'	0.00	0.00	6,691.6	-1,401.6	321.1	520,473.09	549,639.20	32.4308437	-104.3064260
- plan hits target center									
- Point									
BHL: 710' FSL & 2592' F	0.00	0.01	7,120.0	-1,450.6	13,573.1	520,424.10	562,891.20	32.4306925	-104.2634741
- plan hits target center									
- Point									

Buffalo Nickel 33/35 State Com #527H



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 521808

CONDITIONS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 521808
	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