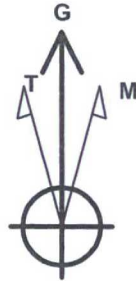


Mewbourne Oil Company

By: Charles Martin
14:40, November 21 2016

Project: Eddy County, New Mexico
Site: **Bilbrey 34/27 B2OB Fed Com #1H**
Well: Sec 34, T21S, R32E
Wellbore: BHL: 330' FNL & 1,800' FEL, Sec 27
Design: Design #1



Azimuths to Grid North
True North: -0.36°
Magnetic North: 6.61°

Magnetic Field
Strength: 48183.4snT
Dip Angle: 60.22°
Date: 11/21/2016
Model: IGRF2010

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Target
1	0.0'	0.00°	0.00°	0.0'	0.0'	0.0'	0.00°	0.00°	0.0'	
2	10275.5'	0.00°	0.00°	10275.5'	0.0'	0.0'	0.00°	0.00°	0.0'	KOP
3	11028.5'	90.36°	2.19°	10753.0'	480.1'	18.3'	12.00°	2.19°	480.5'	
4	20617.5'	90.36°	2.19°	10693.0'	10062.0'	384.0'	0.00°	0.00°	10069.3'	BHL

True Vertical Depth

1500
2250
3000
3750
4500
5250
6000
6750
7500
8250
9000
9750
10500
11250

0

550

1100

1650

2200

2750

3300

3850

4400

4950

5500

6050

6600

7150

7700

8250

8800

9350

9900

10450

Vertical Section at 2.19°

Start DLS 12.00 TFO 2.19

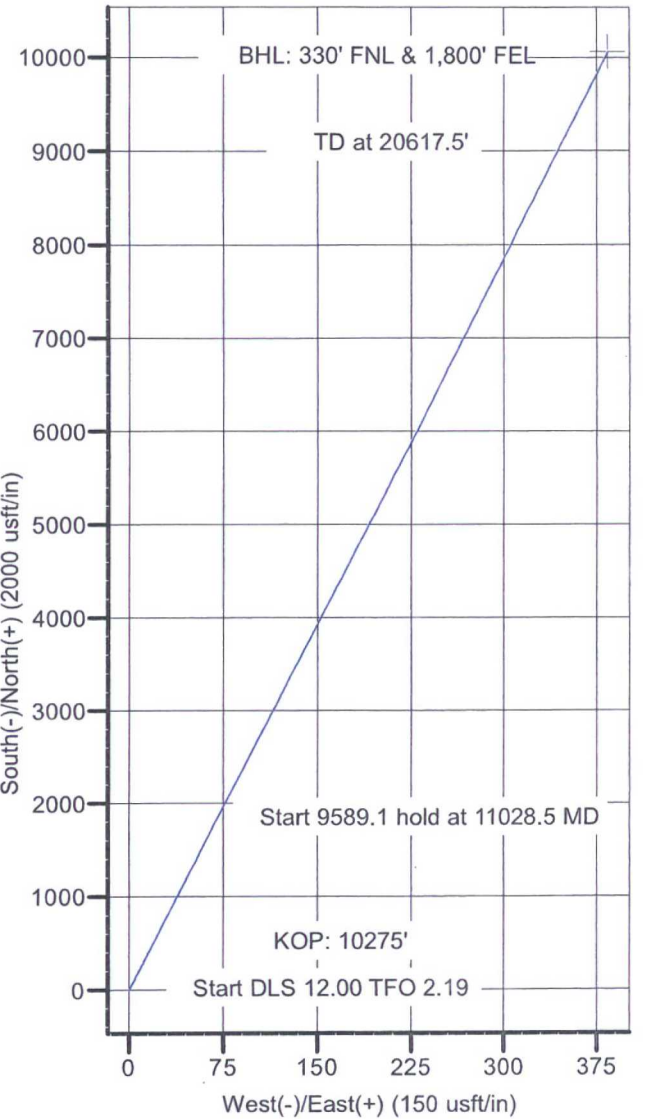
KOP: 10275'

Start 9589.1 hold at 11028.5' MD

TD at 20617.5'

BHL: 330' FNL & 1,800' FEL

South(-)/North(+) (2000 usft/in)



Mewbourne Oil Company

Eddy County, New Mexico

Bilbrey 34/27 B2OB Fed Com #1H

Sec 34, T21S, R32E

SL: 185' FSL & 2,240' FEL, Sec 34

BHL: 330' FNL & 1,800' FEL, Sec 27

Plan: Design #1

HOBBS OCD

AUG 08 2017

RECEIVED

Standard Planning Report

21 November, 2016

Planning Report

Database: Hobbs
Company: Mewbourne Oil Company
Project: Eddy County, New Mexico
Site: Bilbrey 34/27 B2OB Fed Com #1H
Well: Sec 34, T21S, R32E
Wellbore: BHL: 330' FNL & 1,800' FEL, Sec 27
Design: Design #1

Local Co-ordinate Reference: Site Bilbrey 34/27 B2OB Fed Com #1H
TVD Reference: KB @ 3753.0usft
MD Reference: KB @ 3753.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Project	Eddy County, New Mexico		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	Bilbrey 34/27 B2OB Fed Com #1H			
Site Position:		Northing:	520,209.00 usft	Latitude: 32° 25' 42.142 N
From: Map		Easting:	707,498.00 usft	Longitude: 103° 39' 39.005 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence: 0.36 °

Well	Sec 34, T21S, R32E			
Well Position	+N/-S	0.0 usft	Northing:	520,209.00 usft
	+E/-W	0.0 usft	Easting:	707,498.00 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	0.0 usft	Ground Level: 3,726.0 usft

Wellbore	BHL: 330' FNL & 1,800' FEL, Sec 27				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	11/21/2016	6.97	60.22	48,183

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	2.19

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	
10,275.5	0.00	0.00	10,275.5	0.0	0.0	0.00	0.00	0.00	0.00	KOP: 10275'
11,028.5	90.36	2.19	10,753.0	480.1	18.3	12.00	12.00	0.29	2.19	
20,617.5	90.36	2.19	10,693.0	10,062.0	384.0	0.00	0.00	0.00	0.00	BHL: 330' FNL & 1,80

Planning Report

Database: Hobbs
Company: Mewbourne Oil Company
Project: Eddy County, New Mexico
Site: Billbrey 34/27 B2OB Fed Com #1H
Well: Sec 34, T21S, R32E
Wellbore: BHL: 330' FNL & 1,800' FEL, Sec 27
Design: Design #1

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

Site Billbrey 34/27 B2OB Fed Com #1H
 KB @ 3753.0usft
 KB @ 3753.0usft
 Grid
 Minimum Curvature

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	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
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	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
1,600.0	0.00	0.00	1,600.0	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
1,800.0	0.00	0.00	1,800.0	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
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00
3,100.0	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	0.00
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	0.00
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	0.00
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	0.00
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	0.00
3,600.0	0.00	0.00	3,600.0	0.0	0.0	0.0	0.00	0.00	0.00
3,700.0	0.00	0.00	3,700.0	0.0	0.0	0.0	0.00	0.00	0.00
3,800.0	0.00	0.00	3,800.0	0.0	0.0	0.0	0.00	0.00	0.00
3,900.0	0.00	0.00	3,900.0	0.0	0.0	0.0	0.00	0.00	0.00
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.0	0.00	0.00	0.00
4,100.0	0.00	0.00	4,100.0	0.0	0.0	0.0	0.00	0.00	0.00
4,200.0	0.00	0.00	4,200.0	0.0	0.0	0.0	0.00	0.00	0.00
4,300.0	0.00	0.00	4,300.0	0.0	0.0	0.0	0.00	0.00	0.00
4,400.0	0.00	0.00	4,400.0	0.0	0.0	0.0	0.00	0.00	0.00
4,500.0	0.00	0.00	4,500.0	0.0	0.0	0.0	0.00	0.00	0.00
4,600.0	0.00	0.00	4,600.0	0.0	0.0	0.0	0.00	0.00	0.00
4,700.0	0.00	0.00	4,700.0	0.0	0.0	0.0	0.00	0.00	0.00
4,800.0	0.00	0.00	4,800.0	0.0	0.0	0.0	0.00	0.00	0.00
4,900.0	0.00	0.00	4,900.0	0.0	0.0	0.0	0.00	0.00	0.00
5,000.0	0.00	0.00	5,000.0	0.0	0.0	0.0	0.00	0.00	0.00
5,100.0	0.00	0.00	5,100.0	0.0	0.0	0.0	0.00	0.00	0.00
5,200.0	0.00	0.00	5,200.0	0.0	0.0	0.0	0.00	0.00	0.00
5,300.0	0.00	0.00	5,300.0	0.0	0.0	0.0	0.00	0.00	0.00

Planning Report

Database: Hobbs
Company: Mewbourne Oil Company
Project: Eddy County, New Mexico
Site: Bilbrey 34/27 B2OB Fed Com #1H
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North Reference: Grid
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,400.0	0.00	0.00	5,400.0	0.0	0.0	0.0	0.00	0.00	0.00
5,500.0	0.00	0.00	5,500.0	0.0	0.0	0.0	0.00	0.00	0.00
5,600.0	0.00	0.00	5,600.0	0.0	0.0	0.0	0.00	0.00	0.00
5,700.0	0.00	0.00	5,700.0	0.0	0.0	0.0	0.00	0.00	0.00
5,800.0	0.00	0.00	5,800.0	0.0	0.0	0.0	0.00	0.00	0.00
5,900.0	0.00	0.00	5,900.0	0.0	0.0	0.0	0.00	0.00	0.00
6,000.0	0.00	0.00	6,000.0	0.0	0.0	0.0	0.00	0.00	0.00
6,100.0	0.00	0.00	6,100.0	0.0	0.0	0.0	0.00	0.00	0.00
6,200.0	0.00	0.00	6,200.0	0.0	0.0	0.0	0.00	0.00	0.00
6,300.0	0.00	0.00	6,300.0	0.0	0.0	0.0	0.00	0.00	0.00
6,400.0	0.00	0.00	6,400.0	0.0	0.0	0.0	0.00	0.00	0.00
6,500.0	0.00	0.00	6,500.0	0.0	0.0	0.0	0.00	0.00	0.00
6,600.0	0.00	0.00	6,600.0	0.0	0.0	0.0	0.00	0.00	0.00
6,700.0	0.00	0.00	6,700.0	0.0	0.0	0.0	0.00	0.00	0.00
6,800.0	0.00	0.00	6,800.0	0.0	0.0	0.0	0.00	0.00	0.00
6,900.0	0.00	0.00	6,900.0	0.0	0.0	0.0	0.00	0.00	0.00
7,000.0	0.00	0.00	7,000.0	0.0	0.0	0.0	0.00	0.00	0.00
7,100.0	0.00	0.00	7,100.0	0.0	0.0	0.0	0.00	0.00	0.00
7,200.0	0.00	0.00	7,200.0	0.0	0.0	0.0	0.00	0.00	0.00
7,300.0	0.00	0.00	7,300.0	0.0	0.0	0.0	0.00	0.00	0.00
7,400.0	0.00	0.00	7,400.0	0.0	0.0	0.0	0.00	0.00	0.00
7,500.0	0.00	0.00	7,500.0	0.0	0.0	0.0	0.00	0.00	0.00
7,600.0	0.00	0.00	7,600.0	0.0	0.0	0.0	0.00	0.00	0.00
7,700.0	0.00	0.00	7,700.0	0.0	0.0	0.0	0.00	0.00	0.00
7,800.0	0.00	0.00	7,800.0	0.0	0.0	0.0	0.00	0.00	0.00
7,900.0	0.00	0.00	7,900.0	0.0	0.0	0.0	0.00	0.00	0.00
8,000.0	0.00	0.00	8,000.0	0.0	0.0	0.0	0.00	0.00	0.00
8,100.0	0.00	0.00	8,100.0	0.0	0.0	0.0	0.00	0.00	0.00
8,200.0	0.00	0.00	8,200.0	0.0	0.0	0.0	0.00	0.00	0.00
8,300.0	0.00	0.00	8,300.0	0.0	0.0	0.0	0.00	0.00	0.00
8,400.0	0.00	0.00	8,400.0	0.0	0.0	0.0	0.00	0.00	0.00
8,500.0	0.00	0.00	8,500.0	0.0	0.0	0.0	0.00	0.00	0.00
8,600.0	0.00	0.00	8,600.0	0.0	0.0	0.0	0.00	0.00	0.00
8,700.0	0.00	0.00	8,700.0	0.0	0.0	0.0	0.00	0.00	0.00
8,800.0	0.00	0.00	8,800.0	0.0	0.0	0.0	0.00	0.00	0.00
8,900.0	0.00	0.00	8,900.0	0.0	0.0	0.0	0.00	0.00	0.00
9,000.0	0.00	0.00	9,000.0	0.0	0.0	0.0	0.00	0.00	0.00
9,100.0	0.00	0.00	9,100.0	0.0	0.0	0.0	0.00	0.00	0.00
9,200.0	0.00	0.00	9,200.0	0.0	0.0	0.0	0.00	0.00	0.00
9,300.0	0.00	0.00	9,300.0	0.0	0.0	0.0	0.00	0.00	0.00
9,400.0	0.00	0.00	9,400.0	0.0	0.0	0.0	0.00	0.00	0.00
9,500.0	0.00	0.00	9,500.0	0.0	0.0	0.0	0.00	0.00	0.00
9,600.0	0.00	0.00	9,600.0	0.0	0.0	0.0	0.00	0.00	0.00
9,700.0	0.00	0.00	9,700.0	0.0	0.0	0.0	0.00	0.00	0.00
9,800.0	0.00	0.00	9,800.0	0.0	0.0	0.0	0.00	0.00	0.00
9,900.0	0.00	0.00	9,900.0	0.0	0.0	0.0	0.00	0.00	0.00
10,000.0	0.00	0.00	10,000.0	0.0	0.0	0.0	0.00	0.00	0.00
10,100.0	0.00	0.00	10,100.0	0.0	0.0	0.0	0.00	0.00	0.00
10,200.0	0.00	0.00	10,200.0	0.0	0.0	0.0	0.00	0.00	0.00
10,275.5	0.00	0.00	10,275.5	0.0	0.0	0.0	0.00	0.00	0.00
KOP: 10275'									
10,300.0	2.94	2.19	10,300.0	0.6	0.0	0.6	12.00	12.00	0.00
10,325.0	5.94	2.19	10,324.9	2.6	0.1	2.6	12.00	12.00	0.00

Planning Report

Database: Hobbs
Company: Mewbourne Oil Company
Project: Eddy County, New Mexico
Site: Bilbrey 34/27 B2OB Fed Com #1H
Well: Sec 34, T21S, R32E
Wellbore: BHL: 330' FNL & 1,800' FEL, Sec 27
Design: Design #1

Local Co-ordinate Reference: Site Bilbrey 34/27 B2OB Fed Com #1H
TVD Reference: KB @ 3753.0usft
MD Reference: KB @ 3753.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
10,350.0	8.94	2.19	10,349.7	5.8	0.2	5.8	12.00	12.00	0.00
10,375.0	11.94	2.19	10,374.3	10.3	0.4	10.3	12.00	12.00	0.00
10,400.0	14.94	2.19	10,398.6	16.1	0.6	16.1	12.00	12.00	0.00
10,425.0	17.94	2.19	10,422.6	23.2	0.9	23.2	12.00	12.00	0.00
10,450.0	20.94	2.19	10,446.1	31.5	1.2	31.5	12.00	12.00	0.00
10,475.0	23.94	2.19	10,469.2	41.0	1.6	41.1	12.00	12.00	0.00
10,500.0	26.94	2.19	10,491.8	51.8	2.0	51.8	12.00	12.00	0.00
10,525.0	29.94	2.19	10,513.8	63.7	2.4	63.7	12.00	12.00	0.00
10,550.0	32.94	2.19	10,535.1	76.7	2.9	76.8	12.00	12.00	0.00
10,575.0	35.94	2.19	10,555.7	90.8	3.5	90.9	12.00	12.00	0.00
10,600.0	38.94	2.19	10,575.6	106.0	4.0	106.1	12.00	12.00	0.00
10,625.0	41.94	2.19	10,594.6	122.2	4.7	122.3	12.00	12.00	0.00
10,650.0	44.94	2.19	10,612.8	139.4	5.3	139.5	12.00	12.00	0.00
10,675.0	47.94	2.19	10,630.0	157.5	6.0	157.6	12.00	12.00	0.00
10,700.0	50.94	2.19	10,646.2	176.5	6.7	176.6	12.00	12.00	0.00
10,725.0	53.94	2.19	10,661.5	196.3	7.5	196.4	12.00	12.00	0.00
10,750.0	56.94	2.19	10,675.7	216.8	8.3	217.0	12.00	12.00	0.00
10,775.0	59.94	2.19	10,688.7	238.1	9.1	238.3	12.00	12.00	0.00
10,800.0	62.94	2.19	10,700.7	260.1	9.9	260.3	12.00	12.00	0.00
10,825.0	65.94	2.19	10,711.5	282.6	10.8	282.8	12.00	12.00	0.00
10,850.0	68.94	2.19	10,721.1	305.7	11.7	305.9	12.00	12.00	0.00
10,875.0	71.94	2.19	10,729.4	329.2	12.6	329.4	12.00	12.00	0.00
10,900.0	74.94	2.19	10,736.6	353.1	13.5	353.4	12.00	12.00	0.00
10,925.0	77.94	2.19	10,742.4	377.4	14.4	377.7	12.00	12.00	0.00
10,950.0	80.94	2.19	10,747.0	402.0	15.3	402.3	12.00	12.00	0.00
10,975.0	83.94	2.19	10,750.3	426.7	16.3	427.1	12.00	12.00	0.00
11,000.0	86.94	2.19	10,752.3	451.6	17.2	452.0	12.00	12.00	0.00
11,025.0	89.94	2.19	10,753.0	476.6	18.2	477.0	12.00	12.00	0.00
11,028.5	90.36	2.19	10,753.0	480.1	18.3	480.5	12.00	12.00	0.00
11,100.0	90.36	2.19	10,752.5	551.6	21.0	552.0	0.00	0.00	0.00
11,200.0	90.36	2.19	10,751.9	651.5	24.9	652.0	0.00	0.00	0.00
11,300.0	90.36	2.19	10,751.3	751.4	28.7	752.0	0.00	0.00	0.00
11,400.0	90.36	2.19	10,750.6	851.3	32.5	852.0	0.00	0.00	0.00
11,500.0	90.36	2.19	10,750.0	951.3	36.3	952.0	0.00	0.00	0.00
11,600.0	90.36	2.19	10,749.4	1,051.2	40.1	1,052.0	0.00	0.00	0.00
11,700.0	90.36	2.19	10,748.8	1,151.1	43.9	1,152.0	0.00	0.00	0.00
11,800.0	90.36	2.19	10,748.1	1,251.0	47.7	1,251.9	0.00	0.00	0.00
11,900.0	90.36	2.19	10,747.5	1,351.0	51.6	1,351.9	0.00	0.00	0.00
12,000.0	90.36	2.19	10,746.9	1,450.9	55.4	1,451.9	0.00	0.00	0.00
12,100.0	90.36	2.19	10,746.3	1,550.8	59.2	1,551.9	0.00	0.00	0.00
12,200.0	90.36	2.19	10,745.6	1,650.7	63.0	1,651.9	0.00	0.00	0.00
12,300.0	90.36	2.19	10,745.0	1,750.7	66.8	1,751.9	0.00	0.00	0.00
12,400.0	90.36	2.19	10,744.4	1,850.6	70.6	1,851.9	0.00	0.00	0.00
12,500.0	90.36	2.19	10,743.8	1,950.5	74.4	1,951.9	0.00	0.00	0.00
12,600.0	90.36	2.19	10,743.1	2,050.4	78.3	2,051.9	0.00	0.00	0.00
12,700.0	90.36	2.19	10,742.5	2,150.4	82.1	2,151.9	0.00	0.00	0.00
12,800.0	90.36	2.19	10,741.9	2,250.3	85.9	2,251.9	0.00	0.00	0.00
12,900.0	90.36	2.19	10,741.3	2,350.2	89.7	2,351.9	0.00	0.00	0.00
13,000.0	90.36	2.19	10,740.6	2,450.1	93.5	2,451.9	0.00	0.00	0.00
13,100.0	90.36	2.19	10,740.0	2,550.1	97.3	2,551.9	0.00	0.00	0.00
13,200.0	90.36	2.19	10,739.4	2,650.0	101.1	2,651.9	0.00	0.00	0.00
13,300.0	90.36	2.19	10,738.8	2,749.9	104.9	2,751.9	0.00	0.00	0.00
13,400.0	90.36	2.19	10,738.1	2,849.8	108.8	2,851.9	0.00	0.00	0.00
13,500.0	90.36	2.19	10,737.5	2,949.8	112.6	2,951.9	0.00	0.00	0.00

Planning Report

Database: Hobbs
Company: Mewbourne Oil Company
Project: Eddy County, New Mexico
Site: Bilbrey 34/27 B2OB Fed Com #1H
Well: Sec 34, T21S, R32E
Wellbore: BHL: 330' FNL & 1,800' FEL, Sec 27
Design: Design #1

Local Co-ordinate Reference: Site Bilbrey 34/27 B2OB Fed Com #1H
TVD Reference: KB @ 3753.0usft
MD Reference: KB @ 3753.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
13,600.0	90.36	2.19	10,736.9	3,049.7	116.4	3,051.9	0.00	0.00	0.00
13,700.0	90.36	2.19	10,736.3	3,149.6	120.2	3,151.9	0.00	0.00	0.00
13,800.0	90.36	2.19	10,735.6	3,249.5	124.0	3,251.9	0.00	0.00	0.00
13,900.0	90.36	2.19	10,735.0	3,349.5	127.8	3,351.9	0.00	0.00	0.00
14,000.0	90.36	2.19	10,734.4	3,449.4	131.6	3,451.9	0.00	0.00	0.00
14,100.0	90.36	2.19	10,733.8	3,549.3	135.5	3,551.9	0.00	0.00	0.00
14,200.0	90.36	2.19	10,733.1	3,649.2	139.3	3,651.9	0.00	0.00	0.00
14,300.0	90.36	2.19	10,732.5	3,749.2	143.1	3,751.9	0.00	0.00	0.00
14,400.0	90.36	2.19	10,731.9	3,849.1	146.9	3,851.9	0.00	0.00	0.00
14,500.0	90.36	2.19	10,731.2	3,949.0	150.7	3,951.9	0.00	0.00	0.00
14,600.0	90.36	2.19	10,730.6	4,048.9	154.5	4,051.9	0.00	0.00	0.00
14,700.0	90.36	2.19	10,730.0	4,148.9	158.3	4,151.9	0.00	0.00	0.00
14,800.0	90.36	2.19	10,729.4	4,248.8	162.1	4,251.9	0.00	0.00	0.00
14,900.0	90.36	2.19	10,728.7	4,348.7	166.0	4,351.9	0.00	0.00	0.00
15,000.0	90.36	2.19	10,728.1	4,448.6	169.8	4,451.9	0.00	0.00	0.00
15,100.0	90.36	2.19	10,727.5	4,548.6	173.6	4,551.9	0.00	0.00	0.00
15,200.0	90.36	2.19	10,726.9	4,648.5	177.4	4,651.9	0.00	0.00	0.00
15,300.0	90.36	2.19	10,726.2	4,748.4	181.2	4,751.9	0.00	0.00	0.00
15,400.0	90.36	2.19	10,725.6	4,848.3	185.0	4,851.9	0.00	0.00	0.00
15,500.0	90.36	2.19	10,725.0	4,948.3	188.8	4,951.9	0.00	0.00	0.00
15,600.0	90.36	2.19	10,724.4	5,048.2	192.7	5,051.9	0.00	0.00	0.00
15,700.0	90.36	2.19	10,723.7	5,148.1	196.5	5,151.9	0.00	0.00	0.00
15,800.0	90.36	2.19	10,723.1	5,248.1	200.3	5,251.9	0.00	0.00	0.00
15,900.0	90.36	2.19	10,722.5	5,348.0	204.1	5,351.9	0.00	0.00	0.00
16,000.0	90.36	2.19	10,721.9	5,447.9	207.9	5,451.9	0.00	0.00	0.00
16,100.0	90.36	2.19	10,721.2	5,547.8	211.7	5,551.9	0.00	0.00	0.00
16,200.0	90.36	2.19	10,720.6	5,647.8	215.5	5,651.9	0.00	0.00	0.00
16,300.0	90.36	2.19	10,720.0	5,747.7	219.4	5,751.9	0.00	0.00	0.00
16,400.0	90.36	2.19	10,719.4	5,847.6	223.2	5,851.9	0.00	0.00	0.00
16,500.0	90.36	2.19	10,718.7	5,947.5	227.0	5,951.9	0.00	0.00	0.00
16,600.0	90.36	2.19	10,718.1	6,047.5	230.8	6,051.9	0.00	0.00	0.00
16,700.0	90.36	2.19	10,717.5	6,147.4	234.6	6,151.9	0.00	0.00	0.00
16,800.0	90.36	2.19	10,716.9	6,247.3	238.4	6,251.9	0.00	0.00	0.00
16,900.0	90.36	2.19	10,716.2	6,347.2	242.2	6,351.8	0.00	0.00	0.00
17,000.0	90.36	2.19	10,715.6	6,447.2	246.0	6,451.8	0.00	0.00	0.00
17,100.0	90.36	2.19	10,715.0	6,547.1	249.9	6,551.8	0.00	0.00	0.00
17,200.0	90.36	2.19	10,714.4	6,647.0	253.7	6,651.8	0.00	0.00	0.00
17,300.0	90.36	2.19	10,713.7	6,746.9	257.5	6,751.8	0.00	0.00	0.00
17,400.0	90.36	2.19	10,713.1	6,846.9	261.3	6,851.8	0.00	0.00	0.00
17,500.0	90.36	2.19	10,712.5	6,946.8	265.1	6,951.8	0.00	0.00	0.00
17,600.0	90.36	2.19	10,711.9	7,046.7	268.9	7,051.8	0.00	0.00	0.00
17,700.0	90.36	2.19	10,711.2	7,146.6	272.7	7,151.8	0.00	0.00	0.00
17,800.0	90.36	2.19	10,710.6	7,246.6	276.6	7,251.8	0.00	0.00	0.00
17,900.0	90.36	2.19	10,710.0	7,346.5	280.4	7,351.8	0.00	0.00	0.00
18,000.0	90.36	2.19	10,709.4	7,446.4	284.2	7,451.8	0.00	0.00	0.00
18,100.0	90.36	2.19	10,708.7	7,546.3	288.0	7,551.8	0.00	0.00	0.00
18,200.0	90.36	2.19	10,708.1	7,646.3	291.8	7,651.8	0.00	0.00	0.00
18,300.0	90.36	2.19	10,707.5	7,746.2	295.6	7,751.8	0.00	0.00	0.00
18,400.0	90.36	2.19	10,706.9	7,846.1	299.4	7,851.8	0.00	0.00	0.00
18,500.0	90.36	2.19	10,706.2	7,946.0	303.2	7,951.8	0.00	0.00	0.00
18,600.0	90.36	2.19	10,705.6	8,046.0	307.1	8,051.8	0.00	0.00	0.00
18,700.0	90.36	2.19	10,705.0	8,145.9	310.9	8,151.8	0.00	0.00	0.00
18,800.0	90.36	2.19	10,704.4	8,245.8	314.7	8,251.8	0.00	0.00	0.00
18,900.0	90.36	2.19	10,703.7	8,345.7	318.5	8,351.8	0.00	0.00	0.00

Planning Report

Database: Hobbs
Company: Mewbourne Oil Company
Project: Eddy County, New Mexico
Site: Bilbrey 34/27 B2OB Fed Com #1H
Well: Sec 34, T21S, R32E
Wellbore: BHL: 330' FNL & 1,800' FEL, Sec 27
Design: Design #1

Local Co-ordinate Reference: Site Bilbrey 34/27 B2OB Fed Com #1H
TVD Reference: KB @ 3753.0usft
MD Reference: KB @ 3753.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
19,000.0	90.36	2.19	10,703.1	8,445.7	322.3	8,451.8	0.00	0.00	0.00
19,100.0	90.36	2.19	10,702.5	8,545.6	326.1	8,551.8	0.00	0.00	0.00
19,200.0	90.36	2.19	10,701.9	8,645.5	329.9	8,651.8	0.00	0.00	0.00
19,300.0	90.36	2.19	10,701.2	8,745.4	333.8	8,751.8	0.00	0.00	0.00
19,400.0	90.36	2.19	10,700.6	8,845.4	337.6	8,851.8	0.00	0.00	0.00
19,500.0	90.36	2.19	10,700.0	8,945.3	341.4	8,951.8	0.00	0.00	0.00
19,600.0	90.36	2.19	10,699.4	9,045.2	345.2	9,051.8	0.00	0.00	0.00
19,700.0	90.36	2.19	10,698.7	9,145.1	349.0	9,151.8	0.00	0.00	0.00
19,800.0	90.36	2.19	10,698.1	9,245.1	352.8	9,251.8	0.00	0.00	0.00
19,900.0	90.36	2.19	10,697.5	9,345.0	356.6	9,351.8	0.00	0.00	0.00
20,000.0	90.36	2.19	10,696.9	9,444.9	360.4	9,451.8	0.00	0.00	0.00
20,100.0	90.36	2.19	10,696.2	9,544.8	364.3	9,551.8	0.00	0.00	0.00
20,200.0	90.36	2.19	10,695.6	9,644.8	368.1	9,651.8	0.00	0.00	0.00
20,300.0	90.36	2.19	10,695.0	9,744.7	371.9	9,751.8	0.00	0.00	0.00
20,400.0	90.36	2.19	10,694.4	9,844.6	375.7	9,851.8	0.00	0.00	0.00
20,500.0	90.36	2.19	10,693.7	9,944.5	379.5	9,951.8	0.00	0.00	0.00
20,600.0	90.36	2.19	10,693.1	10,044.5	383.3	10,051.8	0.00	0.00	0.00
20,617.5	90.36	2.19	10,693.0	10,062.0	384.0	10,069.3	0.00	0.00	0.00

BHL: 330' FNL & 1,800' FEL

Design Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
KOP: 10275'	0.00	0.00	10,275.5	0.0	0.0	520,209.00	707,498.00	32° 25' 42.142 N	103° 39' 39.005 W
- plan hits target center									
- Point									
BHL: 330' FNL & 1,800'	0.00	0.00	10,693.0	10,062.0	384.0	530,271.00	707,882.00	32° 27' 21.685 N	103° 39' 33.784 W
- plan hits target center									
- Point									