

Mewbourne Oil Company

Lea County, New Mexico

Bilbrey 34/27 B2MD Fed Com #1H

Sec 34, T21S, R32E

SL: 270' FSL & 405' FWL, Sec 34

BHL: 330' FNL & 500' FWL, Sec 27

Plan: Design #1

HOBBS OCD
JUN 16 2017
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Standard Planning Report

18 October, 2016

Planning Report

Database: Hobbs
Company: Mewbourne Oil Company
Project: Lea County, New Mexico
Site: Bilbrey 34/27 B2MD Fed Com #1H
Well: Sec 34, T21S, R32E
Wellbore: BHL: 330' FNL & 500' FWL, Sec 27
Design: Design #1

Local Co-ordinate Reference: Site Bilbrey 34/27 B2MD Fed Com #1H
TVD Reference: WELL @ 3807.0usft (Original Well Elev)
MD Reference: WELL @ 3807.0usft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Project Lea 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 B2MD Fed Com #1H
Site Position: Northing: 520,271.00 usft Latitude: 32° 25' 42.919 N
From: Map Easting: 704,861.00 usft Longitude: 103° 40' 9.766 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: 520,271.00 usft Latitude: 32° 25' 42.919 N
 +E/-W 0.0 usft Easting: 704,861.00 usft Longitude: 103° 40' 9.766 W
Position Uncertainty 0.0 usft Wellhead Elevation: 3,807.0 usft Ground Level: 3,780.0 usft

Wellbore BHL: 330' FNL & 500' FWL, Sec 27

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	10/18/2016	6.99	60.22	48,191

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	0.29

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	
10,299.5	0.00	0.00	10,299.5	0.0	0.0	0.00	0.00	0.00	0.00	0.00 KOP @ 10300'
11,053.3	90.45	0.29	10,777.0	481.2	2.5	12.00	12.00	0.00	0.29	
20,543.5	90.45	0.29	10,702.0	9,971.0	51.0	0.00	0.00	0.00	0.00	0.00 BHL: 330' FNL & 500'

Planning Report

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Wellbore: BHL: 330' FNL & 500' FWL, Sec 27
Design: Design #1

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

Site Bilbrey 34/27 B2MD Fed Com #1H
 WELL @ 3807.0usft (Original Well Elev)
 WELL @ 3807.0usft (Original Well Elev)
 Grid
 Minimum Curvature

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
SL: 270' FSL & 405' FWL, Sec 34									
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

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Wellbore: BHL: 330' FNL & 500' FWL, Sec 27
Design: Design #1

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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)
5,300.0	0.00	0.00	5,300.0	0.0	0.0	0.0	0.00	0.00	0.00
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
10,299.5	0.00	0.00	10,299.5	0.0	0.0	0.0	0.00	0.00	0.00
KOP @ 10300'									
10,300.0	0.06	0.29	10,300.0	0.0	0.0	0.0	12.00	12.00	0.00

Planning Report

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Site: Bilbrey 34/27 B2MD Fed Com #1H
Well: Sec 34, T21S, R32E
Wellbore: BHL: 330' FNL & 500' FWL, Sec 27
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 WELL @ 3807.0usft (Original Well Elev)
 WELL @ 3807.0usft (Original Well Elev)
 Grid
 Minimum Curvature

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
10,400.0	12.05	0.29	10,399.3	10.5	0.1	10.5	12.00	12.00	0.00
10,500.0	24.05	0.29	10,494.2	41.5	0.2	41.5	12.00	12.00	0.00
10,541.5	29.03	0.29	10,531.3	60.0	0.3	60.0	12.00	12.00	0.00
FTP: 330' FSL & 405' FWL, Sec 34									
10,600.0	36.05	0.29	10,580.6	91.5	0.5	91.5	12.00	12.00	0.00
10,700.0	48.05	0.29	10,654.7	158.3	0.8	158.3	12.00	12.00	0.00
10,800.0	60.05	0.29	10,713.3	239.1	1.2	239.1	12.00	12.00	0.00
10,900.0	72.05	0.29	10,753.8	330.3	1.7	330.4	12.00	12.00	0.00
11,000.0	84.05	0.29	10,774.4	428.0	2.2	428.0	12.00	12.00	0.00
11,053.3	90.45	0.29	10,777.0	481.2	2.5	481.2	12.00	12.00	0.00
LP: 751' FSL & 408' FWL, Sec 34									
11,100.0	90.45	0.29	10,776.6	527.9	2.7	527.9	0.01	0.01	0.00
11,200.0	90.45	0.29	10,775.8	627.9	3.2	627.9	0.00	0.00	0.00
11,300.0	90.45	0.29	10,775.1	727.9	3.7	727.9	0.00	0.00	0.00
11,400.0	90.45	0.29	10,774.3	827.9	4.2	827.9	0.00	0.00	0.00
11,500.0	90.45	0.29	10,773.5	927.9	4.7	927.9	0.00	0.00	0.00
11,600.0	90.45	0.29	10,772.7	1,027.9	5.3	1,027.9	0.00	0.00	0.00
11,700.0	90.45	0.29	10,771.9	1,127.9	5.8	1,127.9	0.00	0.00	0.00
11,800.0	90.45	0.29	10,771.1	1,227.9	6.3	1,227.9	0.00	0.00	0.00
11,900.0	90.45	0.29	10,770.3	1,327.9	6.8	1,327.9	0.00	0.00	0.00
12,000.0	90.45	0.29	10,769.5	1,427.9	7.3	1,427.9	0.00	0.00	0.00
12,100.0	90.45	0.29	10,768.7	1,527.9	7.8	1,527.9	0.00	0.00	0.00
12,200.0	90.45	0.29	10,767.9	1,627.9	8.3	1,627.9	0.00	0.00	0.00
12,300.0	90.45	0.29	10,767.1	1,727.9	8.8	1,727.9	0.00	0.00	0.00
12,400.0	90.45	0.29	10,766.4	1,827.9	9.3	1,827.9	0.00	0.00	0.00
12,500.0	90.45	0.29	10,765.6	1,927.8	9.9	1,927.9	0.00	0.00	0.00
12,600.0	90.45	0.29	10,764.8	2,027.8	10.4	2,027.9	0.00	0.00	0.00
12,700.0	90.45	0.29	10,764.0	2,127.8	10.9	2,127.9	0.00	0.00	0.00
12,800.0	90.45	0.29	10,763.2	2,227.8	11.4	2,227.9	0.00	0.00	0.00
12,900.0	90.45	0.29	10,762.4	2,327.8	11.9	2,327.9	0.00	0.00	0.00
13,000.0	90.45	0.29	10,761.6	2,427.8	12.4	2,427.9	0.00	0.00	0.00
13,100.0	90.45	0.29	10,760.8	2,527.8	12.9	2,527.9	0.00	0.00	0.00
13,200.0	90.45	0.29	10,760.0	2,627.8	13.4	2,627.9	0.00	0.00	0.00
13,300.0	90.45	0.29	10,759.2	2,727.8	14.0	2,727.8	0.00	0.00	0.00
13,400.0	90.45	0.29	10,758.5	2,827.8	14.5	2,827.8	0.00	0.00	0.00
13,500.0	90.45	0.29	10,757.7	2,927.8	15.0	2,927.8	0.00	0.00	0.00
13,600.0	90.45	0.29	10,756.9	3,027.8	15.5	3,027.8	0.00	0.00	0.00
13,700.0	90.45	0.29	10,756.1	3,127.8	16.0	3,127.8	0.00	0.00	0.00
13,800.0	90.45	0.29	10,755.3	3,227.8	16.5	3,227.8	0.00	0.00	0.00
13,900.0	90.45	0.29	10,754.5	3,327.8	17.0	3,327.8	0.00	0.00	0.00
14,000.0	90.45	0.29	10,753.7	3,427.8	17.5	3,427.8	0.00	0.00	0.00
14,100.0	90.45	0.29	10,752.9	3,527.8	18.0	3,527.8	0.00	0.00	0.00
14,200.0	90.45	0.29	10,752.1	3,627.8	18.6	3,627.8	0.00	0.00	0.00
14,300.0	90.45	0.29	10,751.3	3,727.8	19.1	3,727.8	0.00	0.00	0.00
14,400.0	90.45	0.29	10,750.6	3,827.8	19.6	3,827.8	0.00	0.00	0.00
14,500.0	90.45	0.29	10,749.8	3,927.8	20.1	3,927.8	0.00	0.00	0.00
14,600.0	90.45	0.29	10,749.0	4,027.8	20.6	4,027.8	0.00	0.00	0.00
14,700.0	90.45	0.29	10,748.2	4,127.8	21.1	4,127.8	0.00	0.00	0.00
14,800.0	90.45	0.29	10,747.4	4,227.7	21.6	4,227.8	0.00	0.00	0.00
14,900.0	90.45	0.29	10,746.6	4,327.7	22.1	4,327.8	0.00	0.00	0.00
15,000.0	90.45	0.29	10,745.8	4,427.7	22.6	4,427.8	0.00	0.00	0.00
15,100.0	90.45	0.29	10,745.0	4,527.7	23.2	4,527.8	0.00	0.00	0.00
15,200.0	90.45	0.29	10,744.2	4,627.7	23.7	4,627.8	0.00	0.00	0.00
15,300.0	90.45	0.29	10,743.4	4,727.7	24.2	4,727.8	0.00	0.00	0.00

Planning Report

Database: Hobbs
Company: Mewbourne Oil Company
Project: Lea County, New Mexico
Site: Bilbrey 34/27 B2MD Fed Com #1H
Well: Sec 34, T21S, R32E
Wellbore: BHL: 330' FNL & 500' FWL, Sec 27
Design: Design #1

Local Co-ordinate Reference: Site Bilbrey 34/27 B2MD Fed Com #1H
TVD Reference: WELL @ 3807.0usft (Original Well Elev)
MD Reference: WELL @ 3807.0usft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
15,400.0	90.45	0.29	10,742.6	4,827.7	24.7	4,827.8	0.00	0.00	0.00
15,500.0	90.45	0.29	10,741.9	4,927.7	25.2	4,927.8	0.00	0.00	0.00
15,600.0	90.45	0.29	10,741.1	5,027.7	25.7	5,027.8	0.00	0.00	0.00
15,700.0	90.45	0.29	10,740.3	5,127.7	26.2	5,127.8	0.00	0.00	0.00
15,800.0	90.45	0.29	10,739.5	5,227.7	26.7	5,227.8	0.00	0.00	0.00
15,900.0	90.45	0.29	10,738.7	5,327.7	27.3	5,327.8	0.00	0.00	0.00
16,000.0	90.45	0.29	10,737.9	5,427.7	27.8	5,427.8	0.00	0.00	0.00
16,100.0	90.45	0.29	10,737.1	5,527.7	28.3	5,527.8	0.00	0.00	0.00
16,200.0	90.45	0.29	10,736.3	5,627.7	28.8	5,627.8	0.00	0.00	0.00
16,300.0	90.45	0.29	10,735.5	5,727.7	29.3	5,727.8	0.00	0.00	0.00
16,400.0	90.45	0.29	10,734.7	5,827.7	29.8	5,827.8	0.00	0.00	0.00
16,500.0	90.45	0.29	10,734.0	5,927.7	30.3	5,927.7	0.00	0.00	0.00
16,600.0	90.45	0.29	10,733.2	6,027.7	30.8	6,027.7	0.00	0.00	0.00
16,700.0	90.45	0.29	10,732.4	6,127.7	31.3	6,127.7	0.00	0.00	0.00
16,800.0	90.45	0.29	10,731.6	6,227.7	31.9	6,227.7	0.00	0.00	0.00
16,900.0	90.45	0.29	10,730.8	6,327.7	32.4	6,327.7	0.00	0.00	0.00
17,000.0	90.45	0.29	10,730.0	6,427.6	32.9	6,427.7	0.00	0.00	0.00
17,100.0	90.45	0.29	10,729.2	6,527.6	33.4	6,527.7	0.00	0.00	0.00
17,200.0	90.45	0.29	10,728.4	6,627.6	33.9	6,627.7	0.00	0.00	0.00
17,300.0	90.45	0.29	10,727.6	6,727.6	34.4	6,727.7	0.00	0.00	0.00
17,400.0	90.45	0.29	10,726.8	6,827.6	34.9	6,827.7	0.00	0.00	0.00
17,500.0	90.45	0.29	10,726.1	6,927.6	35.4	6,927.7	0.00	0.00	0.00
17,600.0	90.45	0.29	10,725.3	7,027.6	35.9	7,027.7	0.00	0.00	0.00
17,700.0	90.45	0.29	10,724.5	7,127.6	36.5	7,127.7	0.00	0.00	0.00
17,800.0	90.45	0.29	10,723.7	7,227.6	37.0	7,227.7	0.00	0.00	0.00
17,900.0	90.45	0.29	10,722.9	7,327.6	37.5	7,327.7	0.00	0.00	0.00
18,000.0	90.45	0.29	10,722.1	7,427.6	38.0	7,427.7	0.00	0.00	0.00
18,100.0	90.45	0.29	10,721.3	7,527.6	38.5	7,527.7	0.00	0.00	0.00
18,200.0	90.45	0.29	10,720.5	7,627.6	39.0	7,627.7	0.00	0.00	0.00
18,300.0	90.45	0.29	10,719.7	7,727.6	39.5	7,727.7	0.00	0.00	0.00
18,400.0	90.45	0.29	10,718.9	7,827.6	40.0	7,827.7	0.00	0.00	0.00
18,500.0	90.45	0.29	10,718.1	7,927.6	40.5	7,927.7	0.00	0.00	0.00
18,600.0	90.45	0.29	10,717.4	8,027.6	41.1	8,027.7	0.00	0.00	0.00
18,700.0	90.45	0.29	10,716.6	8,127.6	41.6	8,127.7	0.00	0.00	0.00
18,800.0	90.45	0.29	10,715.8	8,227.6	42.1	8,227.7	0.00	0.00	0.00
18,900.0	90.45	0.29	10,715.0	8,327.6	42.6	8,327.7	0.00	0.00	0.00
19,000.0	90.45	0.29	10,714.2	8,427.6	43.1	8,427.7	0.00	0.00	0.00
19,100.0	90.45	0.29	10,713.4	8,527.6	43.6	8,527.7	0.00	0.00	0.00
19,200.0	90.45	0.29	10,712.6	8,627.6	44.1	8,627.7	0.00	0.00	0.00
19,300.0	90.45	0.29	10,711.8	8,727.5	44.6	8,727.7	0.00	0.00	0.00
19,400.0	90.45	0.29	10,711.0	8,827.5	45.2	8,827.7	0.00	0.00	0.00
19,500.0	90.45	0.29	10,710.2	8,927.5	45.7	8,927.7	0.00	0.00	0.00
19,600.0	90.45	0.29	10,709.5	9,027.5	46.2	9,027.7	0.00	0.00	0.00
19,700.0	90.45	0.29	10,708.7	9,127.5	46.7	9,127.6	0.00	0.00	0.00
19,800.0	90.45	0.29	10,707.9	9,227.5	47.2	9,227.6	0.00	0.00	0.00
19,900.0	90.45	0.29	10,707.1	9,327.5	47.7	9,327.6	0.00	0.00	0.00
20,000.0	90.45	0.29	10,706.3	9,427.5	48.2	9,427.6	0.00	0.00	0.00
20,100.0	90.45	0.29	10,705.5	9,527.5	48.7	9,527.6	0.00	0.00	0.00
20,200.0	90.45	0.29	10,704.7	9,627.5	49.2	9,627.6	0.00	0.00	0.00
20,300.0	90.45	0.29	10,703.9	9,727.5	49.8	9,727.6	0.00	0.00	0.00
20,400.0	90.45	0.29	10,703.1	9,827.5	50.3	9,827.6	0.00	0.00	0.00
20,500.0	90.45	0.29	10,702.3	9,927.5	50.8	9,927.6	0.00	0.00	0.00
20,543.5	90.45	0.29	10,702.0	9,971.0	51.0	9,971.1	0.00	0.00	0.00

BHL: 330' FNL & 500' FWL, Sec 27

Planning Report

Database: Hobbs
Company: Mewbourne Oil Company
Project: Lea County, New Mexico
Site: Bilbrey 34/27 B2MD Fed Com #1H
Well: Sec 34, T21S, R32E
Wellbore: BHL: 330' FNL & 500' FWL, Sec 27
Design: Design #1

Local Co-ordinate Reference: Site Bilbrey 34/27 B2MD Fed Com #1H
TVD Reference: WELL @ 3807.0usft (Original Well Elev)
MD Reference: WELL @ 3807.0usft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
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Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
SL: 270' FSL & 405' FWI - plan hits target center - Point	0.00	0.00	0.0	0.0	0.0	520,271.00	704,861.00	32° 25' 42.919 N	103° 40' 9.766 W
KOP @ 10300' - plan hits target center - Point	0.00	0.00	10,299.5	0.0	0.0	520,271.00	704,861.00	32° 25' 42.919 N	103° 40' 9.766 W
FTP: 330' FSL & 405' FV - plan hits target center - Point	0.00	0.00	10,531.3	60.0	0.3	520,331.00	704,861.30	32° 25' 43.512 N	103° 40' 9.758 W
BHL: 330' FNL & 500' FV - plan hits target center - Point	0.00	0.00	10,702.0	9,971.0	51.0	530,242.00	704,912.00	32° 27' 21.582 N	103° 40' 8.448 W
LP: 751' FSL & 408' FWI - plan hits target center - Point	0.00	0.00	10,777.0	481.2	2.5	520,752.20	704,863.50	32° 25' 47.680 N	103° 40' 9.702 W