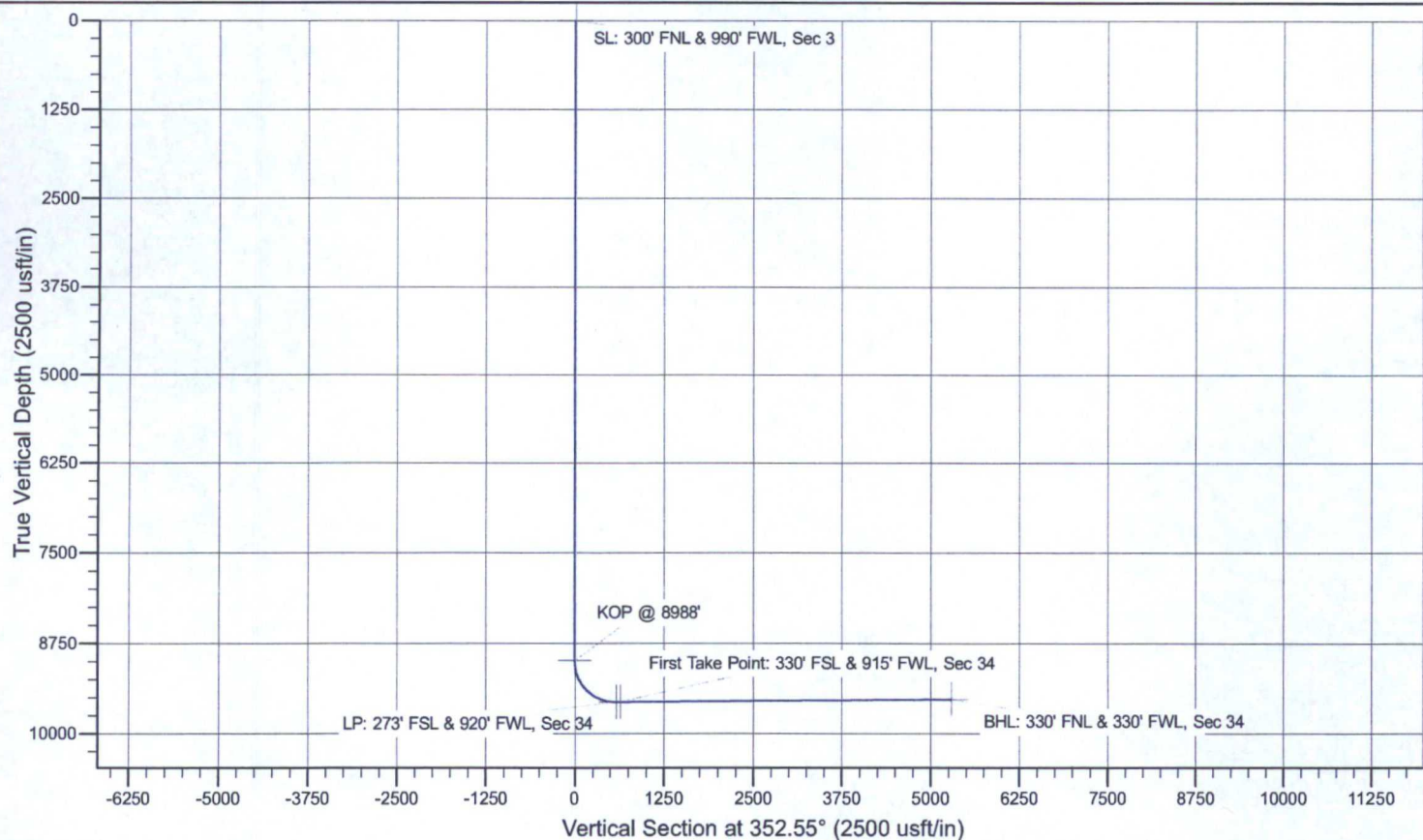
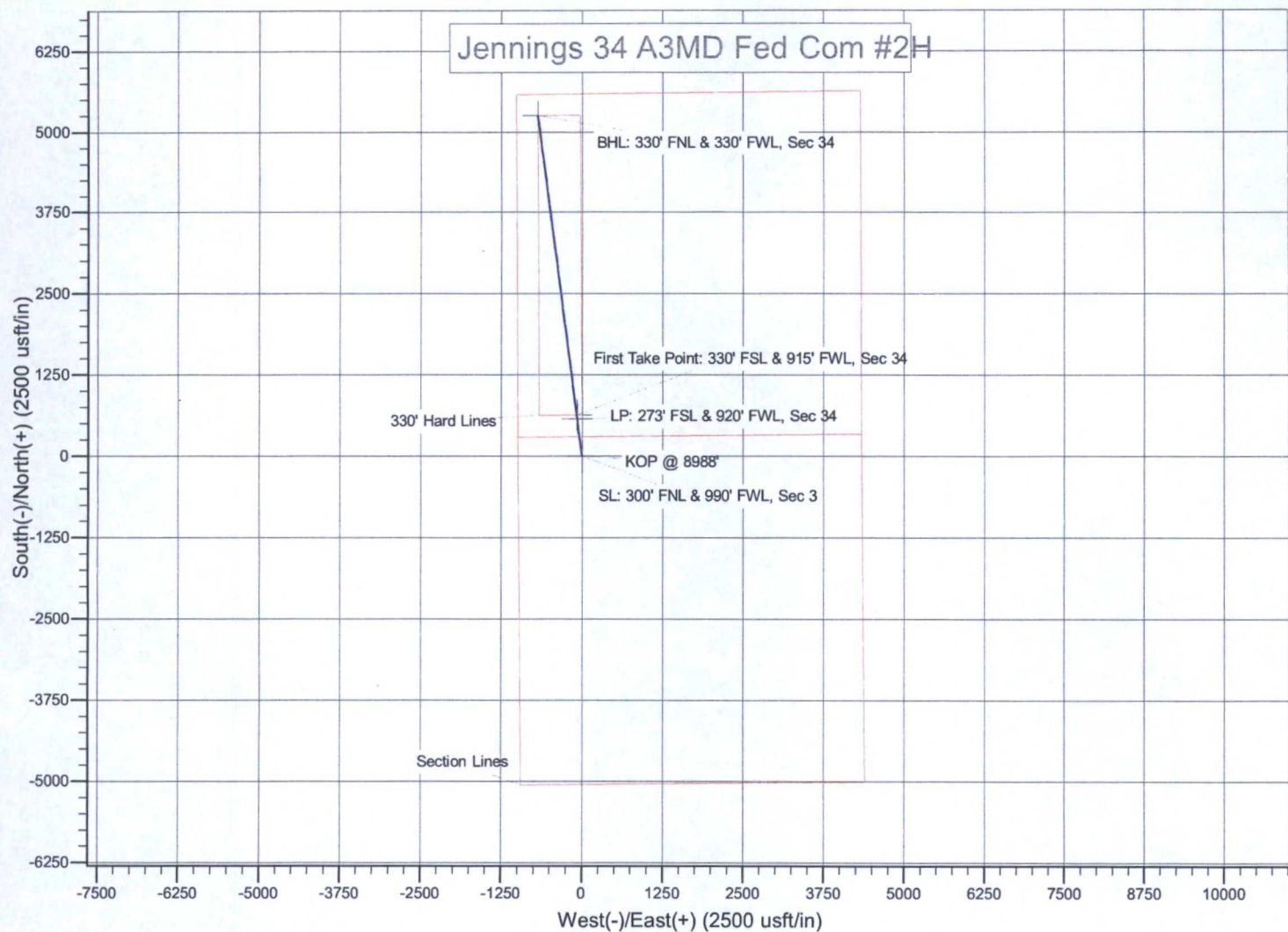


Jennings 34 A3MD Fed Com #2H



Mewbourne Oil Company

Lea County, New Mexico

Jennings 34 A3MD Fed Com #2H

Sec 3, T26S, R32E

SL: 300' FNL & 990' FWL, Sec 3

BHL: 330' FNL & 330' FWL, Sec 34

Plan: Design #1

Standard Planning Report

29 September, 2015

Planning Report

Database: Hobbs
Company: Mewbourne Oil Company
Project: Lea County, New Mexico
Site: Jennings 34 A3MD Fed Com #2H
Well: Sec 3, T26S, R32E
Wellbore: BHL: 330' FNL & 330' FWL, Sec 34
Design: Design #1

Local Co-ordinate Reference: Site Jennings 34 A3MD Fed Com #2H
TVD Reference: WELL @ 3344.0usft (Original Well Elev)
MD Reference: WELL @ 3344.0usft (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 Jennings 34 A3MD Fed Com #2H
Site Position: **Northing:** 392,999.00 usft **Latitude:** 32° 4' 43.399 N
From: Map **Easting:** 706,132.00 usft **Longitude:** 103° 40' 4.142 W
Position Uncertainty: 0.0 usft **Slot Radius:** 13-3/16 " **Grid Convergence:** 0.35 °

Well Sec 3, T26S, R32E
Well Position **+N/-S** 0.0 usft **Northing:** 392,999.00 usft **Latitude:** 32° 4' 43.399 N
+E/-W 0.0 usft **Easting:** 706,132.00 usft **Longitude:** 103° 40' 4.142 W
Position Uncertainty 0.0 usft **Wellhead Elevation:** 3,344.0 usft **Ground Level:** 3,317.0 usft

Wellbore BHL: 330' FNL & 330' FWL, Sec 34

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	9/29/2015	7.09	59.93	48,090

Design Design #1

Audit Notes:

Version: **Phase:** PROTOTYPE **Tie On Depth:** 0.0
Vertical Section: **Depth From (TVD)** **+N/-S** **+E/-W** **Direction**
 (usft) (usft) (usft) (°)
 0.0 0.0 0.0 352.55

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	
8,988.0	0.00	0.00	8,988.0	0.0	0.0	0.00	0.00	0.00	0.00	
9,892.2	90.41	352.55	9,561.0	572.2	-74.8	10.00	10.00	0.00	-7.45	
14,608.9	90.41	352.55	9,527.0	5,249.0	-686.0	0.00	0.00	0.00	0.00	BHL: 330' FNL & 330'

Planning Report

Database: Hobbs
 Company: Mewbourne Oil Company
 Project: Lea County, New Mexico
 Site: Jennings 34 A3MD Fed Com #2H
 Well: Sec 3, T26S, R32E
 Wellbore: BHL: 330' FNL & 330' FWL, Sec 34
 Design: Design #1

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

Site Jennings 34 A3MD Fed Com #2H
 WELL @ 3344.0usft (Original Well Elev)
 WELL @ 3344.0usft (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: 300' FNL & 990' FWL, Sec 3									
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

Planning Report

Database: Hobbs
 Company: Mewbourne Oil Company
 Project: Lea County, New Mexico
 Site: Jennings 34 A3MD Fed Com #2H
 Well: Sec 3, T26S, R32E
 Wellbore: BHL: 330' FNL & 330' FWL, Sec 34
 Design: Design #1

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

Site Jennings 34 A3MD Fed Com #2H
 WELL @ 3344.0usft (Original Well Elev)
 WELL @ 3344.0usft (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)
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
8,988.0	0.00	0.00	8,988.0	0.0	0.0	0.0	0.00	0.00	0.00
KOP @ 8988'									
9,000.0	1.20	352.55	9,000.0	0.1	0.0	0.1	10.00	10.00	0.00
9,100.0	11.20	352.55	9,099.3	10.8	-1.4	10.9	10.00	10.00	0.00
9,200.0	21.20	352.55	9,195.2	38.4	-5.0	38.8	10.00	10.00	0.00
9,300.0	31.20	352.55	9,284.8	82.1	-10.7	82.8	10.00	10.00	0.00
9,400.0	41.19	352.55	9,365.4	140.6	-18.4	141.8	10.00	10.00	0.00
9,500.0	51.19	352.55	9,434.5	212.1	-27.7	213.9	10.00	10.00	0.00
9,600.0	61.19	352.55	9,490.1	294.4	-38.5	296.9	10.00	10.00	0.00
9,700.0	71.19	352.55	9,530.4	385.0	-50.3	388.3	10.00	10.00	0.00
9,800.0	81.19	352.55	9,554.3	481.2	-62.9	485.3	10.00	10.00	0.00
9,892.2	90.41	352.55	9,561.0	572.2	-74.8	577.1	10.00	10.00	0.00
LP: 273' FSL & 920' FWL, Sec 34									
9,900.0	90.41	352.55	9,560.9	580.0	-75.8	584.9	0.05	0.05	0.00
9,950.5	90.41	352.55	9,560.6	630.0	-82.3	635.4	0.00	0.00	0.00
First Take Point: 330' FSL & 915' FWL, Sec 34									

Planning Report

Database: Hobbs
 Company: Mewbourne Oil Company
 Project: Lea County, New Mexico
 Site: Jennings 34 A3MD Fed Com #2H
 Well: Sec 3, T26S, R32E
 Wellbore: BHL: 330' FNL & 330' FWL, Sec 34
 Design: Design #1

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

Site Jennings 34 A3MD Fed Com #2H
 WELL @ 3344.0usft (Original Well Elev)
 WELL @ 3344.0usft (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)
10,000.0	90.41	352.55	9,560.2	679.1	-88.8	684.9	0.00	0.00	0.00
10,100.0	90.41	352.55	9,559.5	778.3	-101.7	784.9	0.00	0.00	0.00
10,200.0	90.41	352.55	9,558.8	877.4	-114.7	884.9	0.00	0.00	0.00
10,300.0	90.41	352.55	9,558.1	976.6	-127.6	984.9	0.00	0.00	0.00
10,400.0	90.41	352.55	9,557.3	1,075.7	-140.6	1,084.9	0.00	0.00	0.00
10,500.0	90.41	352.55	9,556.6	1,174.9	-153.5	1,184.9	0.00	0.00	0.00
10,600.0	90.41	352.55	9,555.9	1,274.1	-166.5	1,284.9	0.00	0.00	0.00
10,700.0	90.41	352.55	9,555.2	1,373.2	-179.5	1,384.9	0.00	0.00	0.00
10,800.0	90.41	352.55	9,554.5	1,472.4	-192.4	1,484.9	0.00	0.00	0.00
10,900.0	90.41	352.55	9,553.7	1,571.5	-205.4	1,584.9	0.00	0.00	0.00
11,000.0	90.41	352.55	9,553.0	1,670.7	-218.3	1,684.9	0.00	0.00	0.00
11,100.0	90.41	352.55	9,552.3	1,769.8	-231.3	1,784.9	0.00	0.00	0.00
11,200.0	90.41	352.55	9,551.6	1,869.0	-244.3	1,884.9	0.00	0.00	0.00
11,300.0	90.41	352.55	9,550.9	1,968.1	-257.2	1,984.9	0.00	0.00	0.00
11,400.0	90.41	352.55	9,550.1	2,067.3	-270.2	2,084.9	0.00	0.00	0.00
11,500.0	90.41	352.55	9,549.4	2,166.4	-283.1	2,184.9	0.00	0.00	0.00
11,600.0	90.41	352.55	9,548.7	2,265.6	-296.1	2,284.9	0.00	0.00	0.00
11,700.0	90.41	352.55	9,548.0	2,364.8	-309.1	2,384.9	0.00	0.00	0.00
11,800.0	90.41	352.55	9,547.2	2,463.9	-322.0	2,484.9	0.00	0.00	0.00
11,900.0	90.41	352.55	9,546.5	2,563.1	-335.0	2,584.9	0.00	0.00	0.00
12,000.0	90.41	352.55	9,545.8	2,662.2	-347.9	2,684.9	0.00	0.00	0.00
12,100.0	90.41	352.55	9,545.1	2,761.4	-360.9	2,784.9	0.00	0.00	0.00
12,200.0	90.41	352.55	9,544.4	2,860.5	-373.8	2,884.8	0.00	0.00	0.00
12,300.0	90.41	352.55	9,543.6	2,959.7	-386.8	2,984.8	0.00	0.00	0.00
12,400.0	90.41	352.55	9,542.9	3,058.8	-399.8	3,084.8	0.00	0.00	0.00
12,500.0	90.41	352.55	9,542.2	3,158.0	-412.7	3,184.8	0.00	0.00	0.00
12,600.0	90.41	352.55	9,541.5	3,257.1	-425.7	3,284.8	0.00	0.00	0.00
12,700.0	90.41	352.55	9,540.8	3,356.3	-438.6	3,384.8	0.00	0.00	0.00
12,800.0	90.41	352.55	9,540.0	3,455.4	-451.6	3,484.8	0.00	0.00	0.00
12,900.0	90.41	352.55	9,539.3	3,554.6	-464.6	3,584.8	0.00	0.00	0.00
13,000.0	90.41	352.55	9,538.6	3,653.8	-477.5	3,684.8	0.00	0.00	0.00
13,100.0	90.41	352.55	9,537.9	3,752.9	-490.5	3,784.8	0.00	0.00	0.00
13,200.0	90.41	352.55	9,537.2	3,852.1	-503.4	3,884.8	0.00	0.00	0.00
13,300.0	90.41	352.55	9,536.4	3,951.2	-516.4	3,984.8	0.00	0.00	0.00
13,400.0	90.41	352.55	9,535.7	4,050.4	-529.3	4,084.8	0.00	0.00	0.00
13,500.0	90.41	352.55	9,535.0	4,149.5	-542.3	4,184.8	0.00	0.00	0.00
13,600.0	90.41	352.55	9,534.3	4,248.7	-555.3	4,284.8	0.00	0.00	0.00
13,700.0	90.41	352.55	9,533.6	4,347.8	-568.2	4,384.8	0.00	0.00	0.00
13,800.0	90.41	352.55	9,532.8	4,447.0	-581.2	4,484.8	0.00	0.00	0.00
13,900.0	90.41	352.55	9,532.1	4,546.1	-594.1	4,584.8	0.00	0.00	0.00
14,000.0	90.41	352.55	9,531.4	4,645.3	-607.1	4,684.8	0.00	0.00	0.00
14,100.0	90.41	352.55	9,530.7	4,744.5	-620.1	4,784.8	0.00	0.00	0.00
14,200.0	90.41	352.55	9,529.9	4,843.6	-633.0	4,884.8	0.00	0.00	0.00
14,300.0	90.41	352.55	9,529.2	4,942.8	-646.0	4,984.8	0.00	0.00	0.00
14,400.0	90.41	352.55	9,528.5	5,041.9	-658.9	5,084.8	0.00	0.00	0.00
14,500.0	90.41	352.55	9,527.8	5,141.1	-671.9	5,184.8	0.00	0.00	0.00
14,600.0	90.41	352.55	9,527.1	5,240.2	-684.9	5,284.8	0.00	0.00	0.00
14,608.9	90.41	352.55	9,527.0	5,249.0	-686.0	5,293.6	0.00	0.00	0.00

BHL: 330' FNL & 330' FWL, Sec 34

Planning Report

Database: Hobbs
Company: Mewbourne Oil Company
Project: Lea County, New Mexico
Site: Jennings 34 A3MD Fed Com #2H
Well: Sec 3, T26S, R32E
Wellbore: BHL: 330' FNL & 330' FWL, Sec 34
Design: Design #1

Local Co-ordinate Reference: Site Jennings 34 A3MD Fed Com #2H
TVD Reference: WELL @ 3344.0usft (Original Well Elev)
MD Reference: WELL @ 3344.0usft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

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: 300' FNL & 990' FW - plan hits target center - Point	0.00	0.01	0.0	0.0	0.0	392,999.00	706,132.00	32° 4' 43.399 N	103° 40' 4.142 W
KOP @ 8988' - plan hits target center - Point	0.00	0.01	8,988.0	0.0	0.0	392,999.00	706,132.00	32° 4' 43.399 N	103° 40' 4.142 W
BHL: 330' FNL & 330' FW - plan hits target center - Point	0.00	0.00	9,527.0	5,249.0	-686.0	398,248.00	705,446.00	32° 5' 35.385 N	103° 40' 11.740 W
First Take Point: 330' FS - plan hits target center - Point	0.00	0.00	9,560.6	630.0	-82.3	393,629.00	706,049.66	32° 4' 49.639 N	103° 40' 5.054 W
LP: 273' FSL & 920' FW - plan hits target center - Point	0.00	0.00	9,561.0	572.2	-74.8	393,571.20	706,057.20	32° 4' 49.066 N	103° 40' 4.971 W