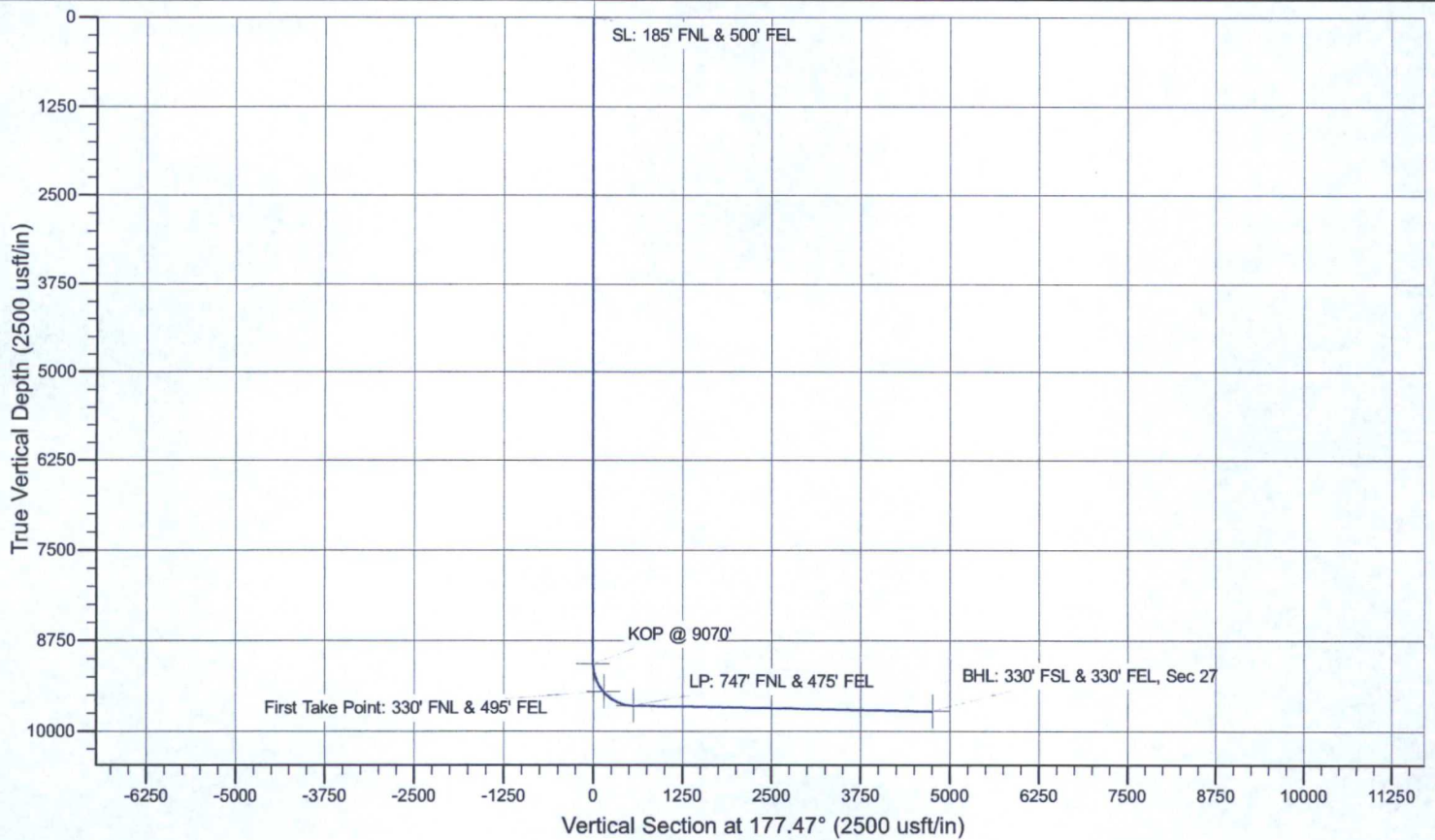
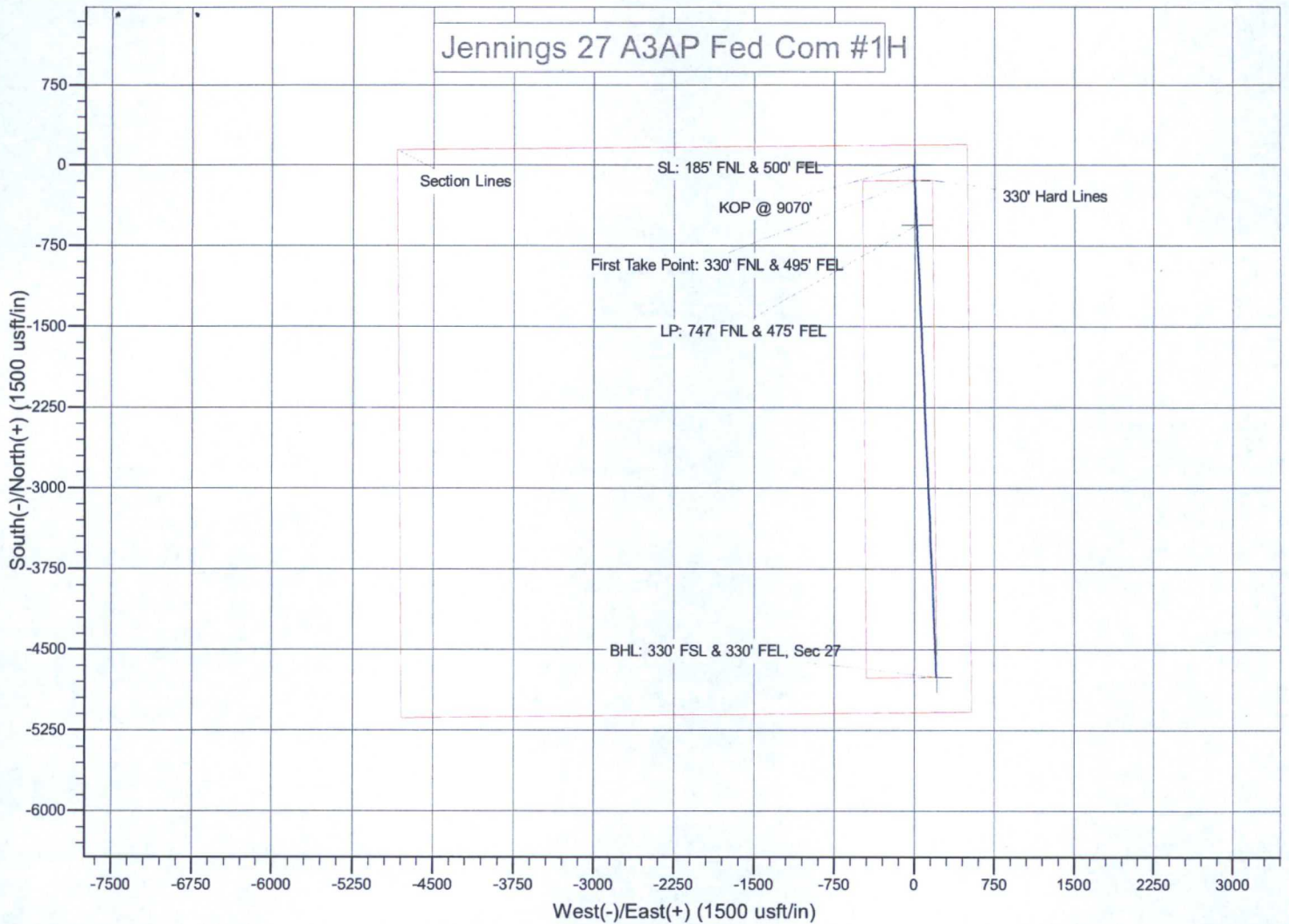


Jennings 27 A3AP Fed Com #1H



Mewbourne Oil Company

Lea County, New Mexico

Jennings 27 A3AP Fed Com #1H

Sec 27, T25S, R32E

SL: 185' FNL & 500' FEL

BHL: 330' FSL & 330' FEL

Plan: Design #1

Standard Planning Report

28 September, 2015

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Jennings 27 A3AP Fed Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3429.0usft (Original Well Elev)
Project:	Lea County, New Mexico	MD Reference:	WELL @ 3429.0usft (Original Well Elev)
Site:	Jennings 27 A3AP Fed Com #1H	North Reference:	Grid
Well:	Sec 27, T25S, R32E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 330' FSL & 330' FEL		
Design:	Design #1		

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 27 A3AP Fed Com #1H		
Site Position:		Northing:	403,712.00 usft
From:	Map	Easting:	709,910.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 6' 29.181 N
		Longitude:	103° 39' 19.451 W
		Grid Convergence:	0.36 °

Well	Sec 27, T25S, R32E		
Well Position	+N/-S	0.0 usft	Northing:
	+E/-W	0.0 usft	Easting:
Position Uncertainty	0.0 usft	Wellhead Elevation:	3,429.0 usft
		Latitude:	32° 6' 29.181 N
		Longitude:	103° 39' 19.451 W
		Ground Level:	3,402.0 usft

Wellbore	BHL: 330' FSL & 330' FEL		
Magnetics	Model Name	Sample Date	Declination (°)
	IGRF2010	9/28/2015	7.09
			Dip Angle (°)
			59.96
			Field Strength (nT)
			48,109

Design	Design #1		
Audit Notes:			
Version:	Phase:	PROTOTYPE	Tie On Depth:
			0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0.0	0.0	0.0
			Direction (°)
			177.47

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	
9,070.0	0.00	0.00	9,070.0	0.0	0.0	0.00	0.00	0.00	0.00	
9,959.6	88.94	177.47	9,643.0	-561.9	24.8	10.00	10.00	0.00	177.47	
14,159.5	88.94	177.47	9,721.0	-4,757.0	210.0	0.00	0.00	0.00	0.00	BHL: 330' FSL & 330'

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Jennings 27 A3AP Fed Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3429.0usft (Original Well Elev)
Project:	Lea County, New Mexico	MD Reference:	WELL @ 3429.0usft (Original Well Elev)
Site:	Jennings 27 A3AP Fed Com #1H	North Reference:	Grid
Well:	Sec 27, T25S, R32E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 330' FSL & 330' FEL		
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
SL: 185' FNL & 500' FEL									
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	Local Co-ordinate Reference:	Site Jennings 27 A3AP Fed Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3429.0usft (Original Well Elev)
Project:	Lea County, New Mexico	MD Reference:	WELL @ 3429.0usft (Original Well Elev)
Site:	Jennings 27 A3AP Fed Com #1H	North Reference:	Grid
Well:	Sec 27, T25S, R32E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 330' FSL & 330' FEL		
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)	
5,300.0	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	
9,070.0	0.00	0.00	9,070.0	0.0	0.0	0.0	0.00	0.00	0.00	
KOP @ 9070'										
9,100.0	3.00	177.47	9,100.0	-0.8	0.0	0.8	10.00	10.00	0.00	
9,200.0	12.99	177.47	9,198.9	-14.7	0.6	14.7	10.00	10.00	0.00	
9,300.0	22.99	177.47	9,293.9	-45.5	2.0	45.5	10.00	10.00	0.00	
9,400.0	32.99	177.47	9,382.1	-92.3	4.1	92.4	10.00	10.00	0.00	
9,487.1	41.69	177.47	9,451.2	-145.0	6.4	145.2	10.00	10.00	0.00	
First Take Point: 330' FNL & 495' FEL										
9,500.0	42.99	177.47	9,460.8	-153.7	6.8	153.9	10.00	10.00	0.00	
9,600.0	52.99	177.47	9,527.6	-227.9	10.1	228.1	10.00	10.00	0.00	
9,700.0	62.98	177.47	9,580.6	-312.5	13.8	312.8	10.00	10.00	0.00	
9,800.0	72.98	177.47	9,618.0	-405.0	17.9	405.4	10.00	10.00	0.00	
9,900.0	82.98	177.47	9,638.8	-502.5	22.2	503.0	10.00	10.00	0.00	
9,959.6	88.94	177.47	9,643.0	-561.9	24.8	562.4	9.99	9.99	0.00	
LP: 747' FNL & 475' FEL										

Planning Report

Database: Hobbs
 Company: Mewbourne Oil Company
 Project: Lea County, New Mexico
 Site: Jennings 27 A3AP Fed Com #1H
 Well: Sec 27, T25S, R32E
 Wellbore: BHL: 330' FSL & 330' FEL
 Design: Design #1

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

Site Jennings 27 A3AP Fed Com #1H
 WELL @ 3429.0usft (Original Well Elev)
 WELL @ 3429.0usft (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	88.94	177.47	9,643.8	-602.3	26.6	602.9	0.00	0.00	0.00
10,100.0	88.94	177.47	9,645.6	-702.2	31.0	702.8	0.00	0.00	0.00
10,200.0	88.94	177.47	9,647.5	-802.0	35.4	802.8	0.00	0.00	0.00
10,300.0	88.94	177.47	9,649.3	-901.9	39.8	902.8	0.00	0.00	0.00
10,400.0	88.94	177.47	9,651.2	-1,001.8	44.2	1,002.8	0.00	0.00	0.00
10,500.0	88.94	177.47	9,653.0	-1,101.7	48.6	1,102.8	0.00	0.00	0.00
10,600.0	88.94	177.47	9,654.9	-1,201.6	53.0	1,202.8	0.00	0.00	0.00
10,700.0	88.94	177.47	9,656.8	-1,301.5	57.5	1,302.7	0.00	0.00	0.00
10,800.0	88.94	177.47	9,658.6	-1,401.4	61.9	1,402.7	0.00	0.00	0.00
10,900.0	88.94	177.47	9,660.5	-1,501.2	66.3	1,502.7	0.00	0.00	0.00
11,000.0	88.94	177.47	9,662.3	-1,601.1	70.7	1,602.7	0.00	0.00	0.00
11,100.0	88.94	177.47	9,664.2	-1,701.0	75.1	1,702.7	0.00	0.00	0.00
11,200.0	88.94	177.47	9,666.0	-1,800.9	79.5	1,802.6	0.00	0.00	0.00
11,300.0	88.94	177.47	9,667.9	-1,900.8	83.9	1,902.6	0.00	0.00	0.00
11,400.0	88.94	177.47	9,669.8	-2,000.7	88.3	2,002.6	0.00	0.00	0.00
11,500.0	88.94	177.47	9,671.6	-2,100.5	92.7	2,102.6	0.00	0.00	0.00
11,600.0	88.94	177.47	9,673.5	-2,200.4	97.1	2,202.6	0.00	0.00	0.00
11,700.0	88.94	177.47	9,675.3	-2,300.3	101.5	2,302.6	0.00	0.00	0.00
11,800.0	88.94	177.47	9,677.2	-2,400.2	106.0	2,402.5	0.00	0.00	0.00
11,900.0	88.94	177.47	9,679.0	-2,500.1	110.4	2,502.5	0.00	0.00	0.00
12,000.0	88.94	177.47	9,680.9	-2,600.0	114.8	2,602.5	0.00	0.00	0.00
12,100.0	88.94	177.47	9,682.8	-2,699.9	119.2	2,702.5	0.00	0.00	0.00
12,200.0	88.94	177.47	9,684.6	-2,799.7	123.6	2,802.5	0.00	0.00	0.00
12,300.0	88.94	177.47	9,686.5	-2,899.6	128.0	2,902.5	0.00	0.00	0.00
12,400.0	88.94	177.47	9,688.3	-2,999.5	132.4	3,002.4	0.00	0.00	0.00
12,500.0	88.94	177.47	9,690.2	-3,099.4	136.8	3,102.4	0.00	0.00	0.00
12,600.0	88.94	177.47	9,692.0	-3,199.3	141.2	3,202.4	0.00	0.00	0.00
12,700.0	88.94	177.47	9,693.9	-3,299.2	145.6	3,302.4	0.00	0.00	0.00
12,800.0	88.94	177.47	9,695.8	-3,399.1	150.1	3,402.4	0.00	0.00	0.00
12,900.0	88.94	177.47	9,697.6	-3,498.9	154.5	3,502.4	0.00	0.00	0.00
13,000.0	88.94	177.47	9,699.5	-3,598.8	158.9	3,602.3	0.00	0.00	0.00
13,100.0	88.94	177.47	9,701.3	-3,698.7	163.3	3,702.3	0.00	0.00	0.00
13,200.0	88.94	177.47	9,703.2	-3,798.6	167.7	3,802.3	0.00	0.00	0.00
13,300.0	88.94	177.47	9,705.0	-3,898.5	172.1	3,902.3	0.00	0.00	0.00
13,400.0	88.94	177.47	9,706.9	-3,998.4	176.5	4,002.3	0.00	0.00	0.00
13,500.0	88.94	177.47	9,708.8	-4,098.3	180.9	4,102.3	0.00	0.00	0.00
13,600.0	88.94	177.47	9,710.6	-4,198.1	185.3	4,202.2	0.00	0.00	0.00
13,700.0	88.94	177.47	9,712.5	-4,298.0	189.7	4,302.2	0.00	0.00	0.00
13,800.0	88.94	177.47	9,714.3	-4,397.9	194.1	4,402.2	0.00	0.00	0.00
13,900.0	88.94	177.47	9,716.2	-4,497.8	198.6	4,502.2	0.00	0.00	0.00
14,000.0	88.94	177.47	9,718.0	-4,597.7	203.0	4,602.2	0.00	0.00	0.00
14,100.0	88.94	177.47	9,719.9	-4,697.6	207.4	4,702.1	0.00	0.00	0.00
14,159.5	88.94	177.47	9,721.0	-4,757.0	210.0	4,761.6	0.00	0.00	0.00

BHL: 330' FSL & 330' FEL, Sec 27

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Jennings 27 A3AP Fed Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3429.0usft (Original Well Elev)
Project:	Lea County, New Mexico	MD Reference:	WELL @ 3429.0usft (Original Well Elev)
Site:	Jennings 27 A3AP Fed Com #1H	North Reference:	Grid
Well:	Sec 27, T25S, R32E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 330' FSL & 330' FEL		
Design:	Design #1		

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: 185' FNL & 500' FEL - plan hits target center - Point	0.00	0.00	0.0	0.0	0.0	403,712.00	709,910.00	32° 6' 29.181 N	103° 39' 19.451 W
KOP @ 9070' - plan hits target center - Point	0.00	0.00	9,070.0	0.0	0.0	403,712.00	709,910.00	32° 6' 29.181 N	103° 39' 19.451 W
First Take Point: 330' FN - plan hits target center - Point	0.00	0.01	9,451.2	-145.0	6.4	403,567.00	709,916.40	32° 6' 27.746 N	103° 39' 19.387 W
LP: 747' FNL & 475' FEL - plan hits target center - Point	0.00	0.00	9,643.0	-561.9	24.8	403,150.10	709,934.80	32° 6' 23.619 N	103° 39' 19.204 W
BHL: 330' FSL & 330' FE - plan hits target center - Point	0.00	0.00	9,721.0	-4,757.0	210.0	398,955.00	710,120.00	32° 5' 42.094 N	103° 39' 17.357 W