

Mewbourne Oil Company

Eddy County, New Mexico

Yardbirds 3 W2DM Fee 1H Revised

Sec 3, T24S, R28E

SL: 185' FNL & 1070' FWL

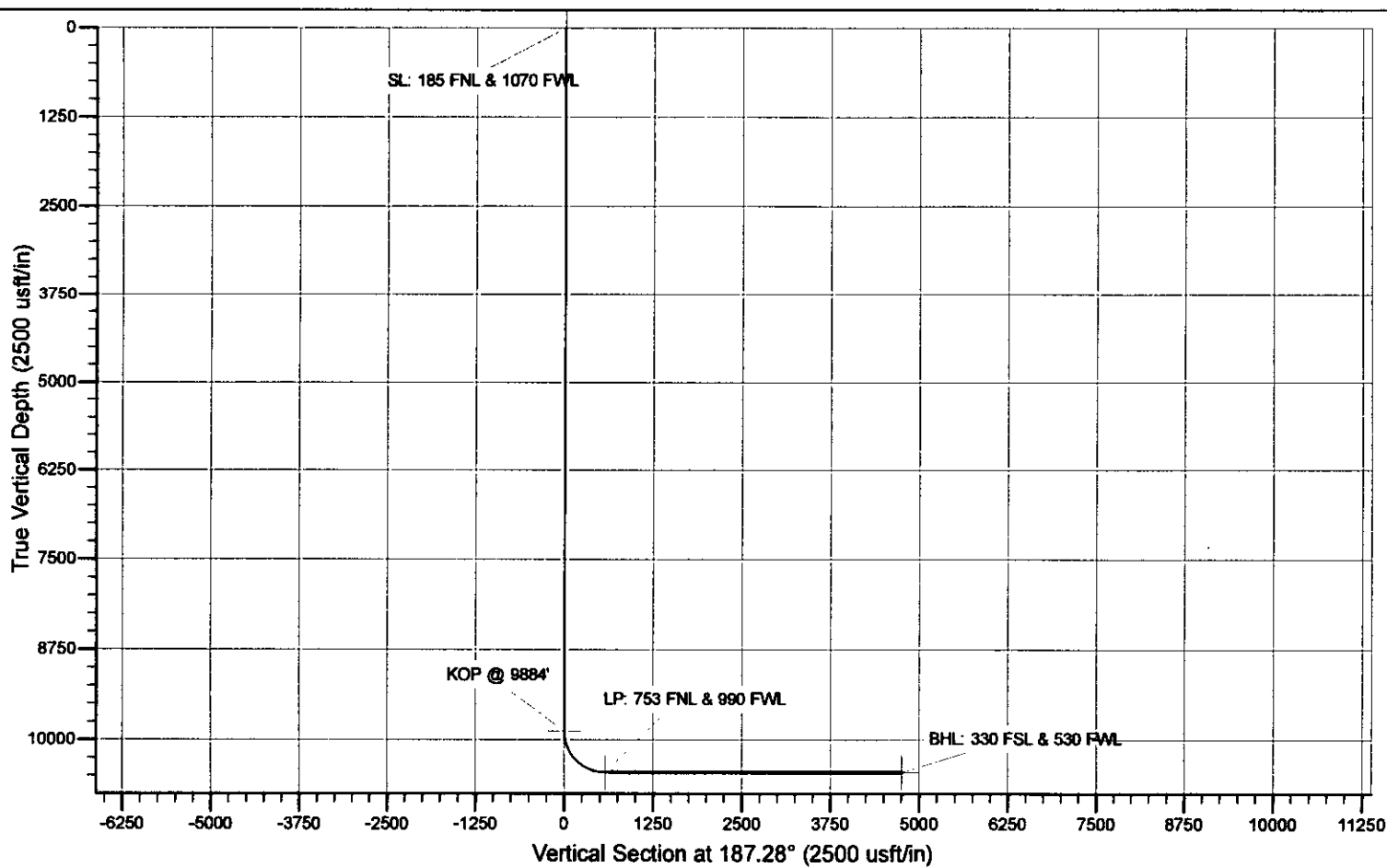
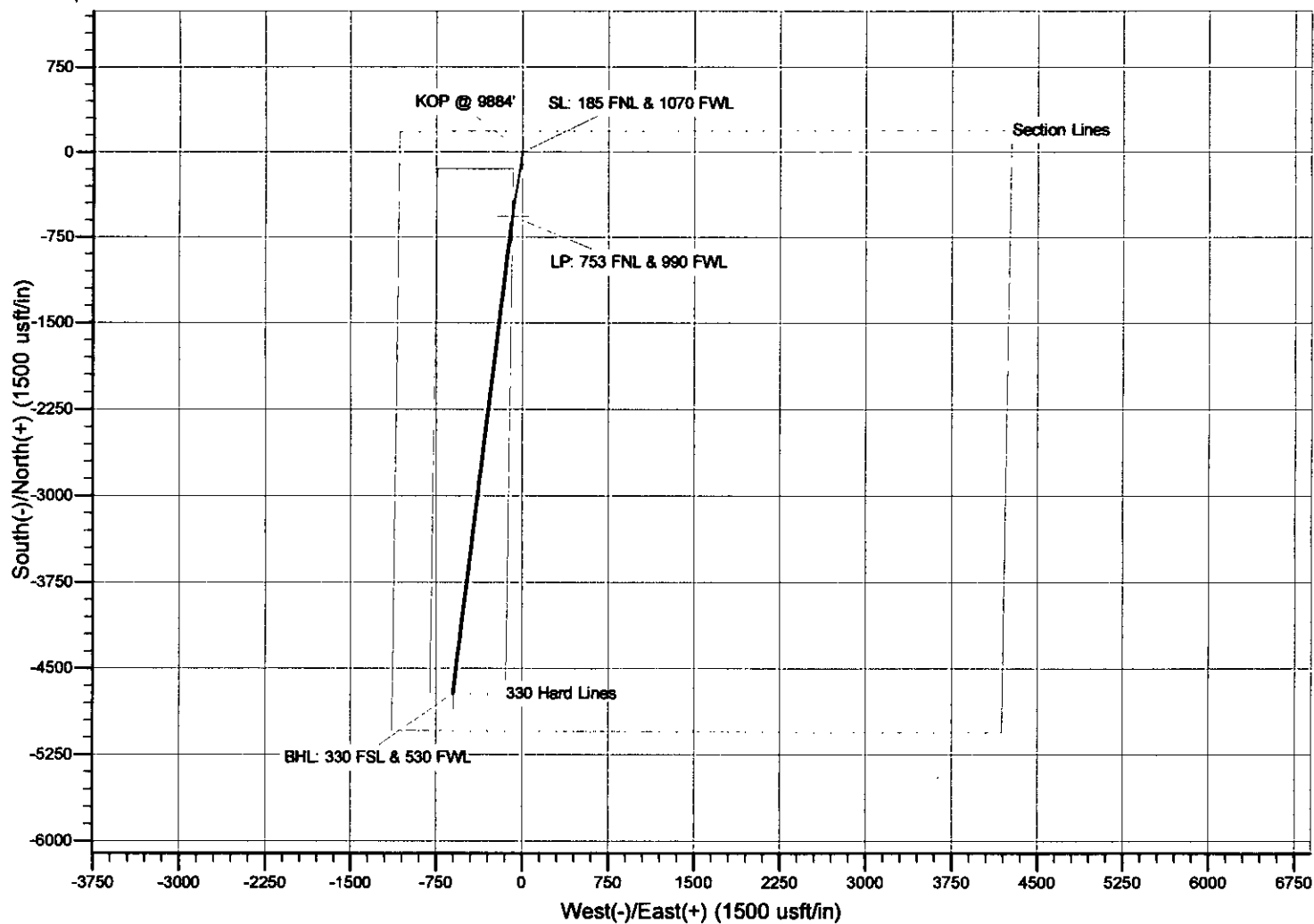
BHL: 330' FSL & 530' FWL

Plan: Design #1

Standard Planning Report

06 March, 2015

EXHIBIT 11



Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Yardbirds 3 W2DM Fee 1H Revised
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3062.0usft (Original Well Elev)
Project:	Eddy County, New Mexico	MD Reference:	WELL @ 3062.0usft (Original Well Elev)
Site:	Yardbirds 3 W2DM Fee 1H Revised	North Reference:	Grid
Well:	Sec 3, T24S, R28E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 330' FSL & 530' FWL		
Design:	Design #1		

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	Yardbirds 3 W2DM Fee 1H Revised				
Site Position:		Northing:	456,077.69 usft	Latitude:	32° 15' 13.034 N
From:	Map	Easting:	578,333.47 usft	Longitude:	104° 4' 47.787 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.14 °

Well	Sec 3, T24S, R28E					
Well Position	+N/-S	0.0 usft	Northing:	456,077.69 usft	Latitude:	32° 15' 13.034 N
	+E/-W	0.0 usft	Easting:	578,333.47 usft	Longitude:	104° 4' 47.787 W
Position Uncertainty	0.0 usft		Wellhead Elevation:	3,062.0 usft	Ground Level:	3,042.0 usft

Wellbore	BHL: 330' FSL & 530' FWL				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	12/31/2009	7.98	60.18	48,756

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	187.28

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	
9,884.0	0.00	0.00	9,884.0	0.0	0.0	0.00	0.00	0.00	0.00	
10,784.1	90.00	188.79	10,457.0	-566.3	-87.5	10.00	10.00	0.00	-171.21	LP: 753 FNL & 990 F
10,841.6	90.00	187.06	10,457.0	-623.2	-95.5	3.00	0.00	-3.00	-89.99	BHL: 330 FSL & 530 I
14,964.1	90.00	187.06	10,457.0	-4,714.5	-602.4	0.00	0.00	0.00	0.00	BHL: 330 FSL & 530 I

Planning Report

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Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3062.0usft (Original Well Elev)
Project:	Eddy County, New Mexico	MD Reference:	WELL @ 3062.0usft (Original Well Elev)
Site:	Yardbirds 3 W2DM Fee 1H Revised	North Reference:	Grid
Well:	Sec 3, T24S, R28E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 330' FSL & 530' FWL		
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 & 1070 FWL									
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

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 Company: Mewbourne Oil Company
 Project: Eddy County, New Mexico
 Site: Yardbirds 3 W2DM Fee 1H Revised
 Well: Sec 3, T24S, R28E
 Wellbore: BHL: 330' FSL & 530' FWL
 Design: Design #1

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 TVD Reference: WELL @ 3062.0usft (Original Well Elev)
 MD Reference: WELL @ 3062.0usft (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)
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
9,884.0	0.00	0.00	9,884.0	0.0	0.0	0.0	0.00	0.00	0.00
KOP @ 9884'									
9,900.0	1.60	188.79	9,900.0	-0.2	0.0	0.2	10.00	10.00	0.00
10,000.0	11.60	188.79	9,999.2	-11.6	-1.8	11.7	10.00	10.00	0.00
10,100.0	21.60	188.79	10,094.9	-39.8	-6.1	40.2	10.00	10.00	0.00
10,200.0	31.60	188.79	10,184.2	-84.0	-13.0	84.9	10.00	10.00	0.00
10,300.0	41.60	188.79	10,264.4	-142.8	-22.1	144.4	10.00	10.00	0.00

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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	51.60	188.79	10,333.0	-214.5	-33.2	217.0	10.00	10.00	0.00
10,500.0	61.60	188.79	10,388.0	-296.9	-45.9	300.3	10.00	10.00	0.00
10,600.0	71.59	188.79	10,427.7	-387.5	-59.9	391.9	10.00	10.00	0.00
10,700.0	81.59	188.79	10,450.8	-483.5	-74.8	489.1	10.00	10.00	0.00
10,784.1	90.00	188.79	10,457.0	-566.3	-87.5	572.8	10.00	10.00	0.00
LP: 753 FNL & 990 FWL									
10,800.0	90.00	188.31	10,457.0	-582.0	-89.9	588.7	3.00	0.00	-3.00
10,841.6	90.00	187.06	10,457.0	-623.2	-95.5	630.3	3.00	0.00	-3.00
10,900.0	90.00	187.06	10,457.0	-681.2	-102.7	688.7	0.00	0.00	0.00
11,000.0	90.00	187.06	10,457.0	-780.5	-115.0	788.7	0.00	0.00	0.00
11,100.0	90.00	187.06	10,457.0	-879.7	-127.3	888.7	0.00	0.00	0.00
11,200.0	90.00	187.06	10,457.0	-978.9	-139.6	988.7	0.00	0.00	0.00
11,300.0	90.00	187.06	10,457.0	-1,078.2	-151.9	1,088.7	0.00	0.00	0.00
11,400.0	90.00	187.06	10,457.0	-1,177.4	-164.1	1,188.7	0.00	0.00	0.00
11,500.0	90.00	187.06	10,457.0	-1,276.7	-176.4	1,288.7	0.00	0.00	0.00
11,600.0	90.00	187.06	10,457.0	-1,375.9	-188.7	1,388.7	0.00	0.00	0.00
11,700.0	90.00	187.06	10,457.0	-1,475.1	-201.0	1,488.7	0.00	0.00	0.00
11,800.0	90.00	187.06	10,457.0	-1,574.4	-213.3	1,588.7	0.00	0.00	0.00
11,900.0	90.00	187.06	10,457.0	-1,673.6	-225.6	1,688.7	0.00	0.00	0.00
12,000.0	90.00	187.06	10,457.0	-1,772.9	-237.9	1,788.7	0.00	0.00	0.00
12,100.0	90.00	187.06	10,457.0	-1,872.1	-250.2	1,888.7	0.00	0.00	0.00
12,200.0	90.00	187.06	10,457.0	-1,971.3	-262.5	1,988.7	0.00	0.00	0.00
12,300.0	90.00	187.06	10,457.0	-2,070.6	-274.8	2,088.7	0.00	0.00	0.00
12,400.0	90.00	187.06	10,457.0	-2,169.8	-287.1	2,188.7	0.00	0.00	0.00
12,500.0	90.00	187.06	10,457.0	-2,269.1	-299.4	2,288.7	0.00	0.00	0.00
12,600.0	90.00	187.06	10,457.0	-2,368.3	-311.7	2,388.7	0.00	0.00	0.00
12,700.0	90.00	187.06	10,457.0	-2,467.6	-324.0	2,488.7	0.00	0.00	0.00
12,800.0	90.00	187.06	10,457.0	-2,566.8	-336.3	2,588.7	0.00	0.00	0.00
12,900.0	90.00	187.06	10,457.0	-2,666.0	-348.6	2,688.7	0.00	0.00	0.00
13,000.0	90.00	187.06	10,457.0	-2,765.3	-360.9	2,788.7	0.00	0.00	0.00
13,100.0	90.00	187.06	10,457.0	-2,864.5	-373.2	2,888.7	0.00	0.00	0.00
13,200.0	90.00	187.06	10,457.0	-2,963.8	-385.5	2,988.7	0.00	0.00	0.00
13,300.0	90.00	187.06	10,457.0	-3,063.0	-397.8	3,088.7	0.00	0.00	0.00
13,400.0	90.00	187.06	10,457.0	-3,162.2	-410.1	3,188.7	0.00	0.00	0.00
13,500.0	90.00	187.06	10,457.0	-3,261.5	-422.4	3,288.7	0.00	0.00	0.00
13,600.0	90.00	187.06	10,457.0	-3,360.7	-434.7	3,388.7	0.00	0.00	0.00
13,700.0	90.00	187.06	10,457.0	-3,460.0	-447.0	3,488.7	0.00	0.00	0.00
13,800.0	90.00	187.06	10,457.0	-3,559.2	-459.3	3,588.7	0.00	0.00	0.00
13,900.0	90.00	187.06	10,457.0	-3,658.4	-471.6	3,688.7	0.00	0.00	0.00
14,000.0	90.00	187.06	10,457.0	-3,757.7	-483.9	3,788.7	0.00	0.00	0.00
14,100.0	90.00	187.06	10,457.0	-3,856.9	-496.2	3,888.7	0.00	0.00	0.00
14,200.0	90.00	187.06	10,457.0	-3,956.2	-508.5	3,988.7	0.00	0.00	0.00
14,300.0	90.00	187.06	10,457.0	-4,055.4	-520.7	4,088.7	0.00	0.00	0.00
14,400.0	90.00	187.06	10,457.0	-4,154.6	-533.0	4,188.7	0.00	0.00	0.00
14,500.0	90.00	187.06	10,457.0	-4,253.9	-545.3	4,288.7	0.00	0.00	0.00
14,600.0	90.00	187.06	10,457.0	-4,353.1	-557.6	4,388.7	0.00	0.00	0.00
14,700.0	90.00	187.06	10,457.0	-4,452.4	-569.9	4,488.7	0.00	0.00	0.00
14,800.0	90.00	187.06	10,457.0	-4,551.6	-582.2	4,588.7	0.00	0.00	0.00
14,900.0	90.00	187.06	10,457.0	-4,650.9	-594.5	4,688.7	0.00	0.00	0.00
14,964.1	90.00	187.06	10,457.0	-4,714.5	-602.4	4,752.8	0.00	0.00	0.00

BHL: 330 FSL & 530 FWL

Planning Report

Database: Hobbs
Company: Mewbourne Oil Company
Project: Eddy County, New Mexico
Site: Yardbirds 3 W2DM Fee 1H Revised
Well: Sec 3, T24S, R28E
Wellbore: BHL: 330' FSL & 530' FWL
Design: Design #1

Local Co-ordinate Reference: Site Yardbirds 3 W2DM Fee 1H Revised
TVD Reference: WELL @ 3062.0usft (Original Well Elev)
MD Reference: WELL @ 3062.0usft (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: 185 FNL & 1070 FW - plan hits target center - Point	0.00	0.00	0.0	0.0	0.0	456,077.69	578,333.47	32° 15' 13.034 N	104° 4' 47.787 W
KOP @ 9884' - plan hits target center - Point	0.00	0.00	9,884.0	0.0	0.0	456,077.69	578,333.47	32° 15' 13.034 N	104° 4' 47.787 W
BHL: 330 FSL & 530 FW - plan hits target center - Point	0.00	0.00	10,457.0	-4,714.5	-602.4	451,363.22	577,731.06	32° 14' 26.392 N	104° 4' 54.931 W
LP: 753 FNL & 990 FWL - plan hits target center - Point	0.00	0.00	10,457.0	-566.3	-87.5	455,511.42	578,245.92	32° 15' 7.432 N	104° 4' 48.822 W