

HOBBS OCD

MAY 05 2016

RECEIVED

Mewbourne Oil Company

Lea County, New Mexico

McKamey 25 B2MD Fed Com #1H

Sec 25, T19S, R32E

SL: 210' FSL & 660' FWL

BHL: 330' FNL & 330' FWL

Plan: Design #1

Standard Planning Report

07 January, 2015

MAY 10 2016

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site McKamey 25 B2MD Fed Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3598.0usft (Original Well Elev)
Project:	Lea County, New Mexico	MD Reference:	WELL @ 3598.0usft (Original Well Elev)
Site:	McKamey 25 B2MD Fed Com #1H	North Reference:	Grid
Well:	Sec 25, T19S, R32E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 330' FNL & 330' FWL		
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:	McKamey 25 B2MD Fed Com #1H		
Site Position:	Map	Northing:	591,443.60 usft
From:		Easting:	687,102.60 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 37' 28.241 N
		Longitude:	103° 43' 32.218 W
		Grid Convergence:	0.33 °

Well:	Sec 25, T19S, R32E		
Well Position	+N/-S	0.0 usft	Northing:
	+E/-W	0.0 usft	Easting:
Position Uncertainty	0.0 usft	Wellhead Elevation:	3,598.0 usft
		Latitude:	32° 37' 28.241 N
		Longitude:	103° 43' 32.218 W
		Ground Level:	3,578.0 usft

Wellbore:	BHL: 330' FNL & 330' FWL		
Magnetics:	Model Name	Sample Date	Declination
			(°)
	IGRF2010	1/7/2015	7.25
			Dip Angle
			(°)
			Field Strength
			(nT)
			60.44
			48,482

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
			(°)
			355.74

Plan Sections										
Measured Depth	Inclination	Azimuth	Vertical Depth	+N/-S	+E/-W	Dogleg Rate	Build Rate	Turn Rate	TFO	Target
(usft)	(°)	(°)	(usft)	(usft)	(usft)	(°/100usft)	(°/100usft)	(°/100usft)	(°)	
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
9,400.5	0.00	0.00	9,400.5	0.0	0.0	0.00	0.00	0.00	0.00	
10,156.8	90.74	355.74	9,878.0	482.4	-35.9	12.00	12.00	0.00	-4.26	
14,424.6	90.74	355.74	9,823.0	4,738.1	-352.6	0.00	0.00	0.00	0.00	PBHL: 330' FNL & 330' FWL

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Site:	McKamey 25 B2MD Fed Com #1H	North Reference:	Grid
Well:	Sec 25, T19S, R32E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 330' FNL & 330' 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: 210 FSL & 660 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

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Wellbore:	BHL: 330' FNL & 330' 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)
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
9,400.5	0.00	0.00	9,400.5	0.0	0.0	0.0	0.00	0.00	0.00
KOP @ 9401									
9,500.0	11.94	355.74	9,499.3	10.3	-0.8	10.3	12.00	12.00	0.00
9,600.0	23.94	355.74	9,594.2	41.0	-3.0	41.1	12.00	12.00	0.00
9,700.0	35.93	355.74	9,680.7	90.6	-6.7	90.9	12.00	12.00	0.00
9,747.0	41.58	355.74	9,717.4	120.0	-8.9	120.3	12.00	12.00	0.00
First Take Point: 330 FSL & 651 FWL									
9,800.0	47.93	355.74	9,755.0	157.2	-11.7	157.6	12.00	12.00	0.00
9,900.0	59.93	355.74	9,813.8	237.6	-17.7	238.3	12.00	12.00	0.00
10,000.0	71.93	355.74	9,854.5	328.5	-24.4	329.4	12.00	12.00	0.00
10,100.0	83.93	355.74	9,875.4	425.8	-31.7	427.0	12.00	12.00	0.00
10,156.8	90.74	355.74	9,878.0	482.4	-35.9	483.7	11.99	11.99	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)
LP: 693 FSL & 629 FWL									
10,200.0	90.74	355.74	9,877.4	525.5	-39.1	526.9	0.00	0.00	0.00
10,300.0	90.74	355.74	9,876.2	625.2	-46.5	626.9	0.00	0.00	0.00
10,400.0	90.74	355.74	9,874.9	724.9	-53.9	726.9	0.00	0.00	0.00
10,500.0	90.74	355.74	9,873.6	824.6	-61.4	826.9	0.00	0.00	0.00
10,600.0	90.74	355.74	9,872.3	924.3	-68.8	926.9	0.00	0.00	0.00
10,700.0	90.74	355.74	9,871.0	1,024.0	-76.2	1,026.9	0.00	0.00	0.00
10,800.0	90.74	355.74	9,869.7	1,123.8	-83.6	1,126.9	0.00	0.00	0.00
10,900.0	90.74	355.74	9,868.4	1,223.5	-91.0	1,226.9	0.00	0.00	0.00
11,000.0	90.74	355.74	9,867.1	1,323.2	-98.5	1,326.9	0.00	0.00	0.00
11,100.0	90.74	355.74	9,865.8	1,422.9	-105.9	1,426.8	0.00	0.00	0.00
11,200.0	90.74	355.74	9,864.6	1,522.6	-113.3	1,526.8	0.00	0.00	0.00
11,300.0	90.74	355.74	9,863.3	1,622.3	-120.7	1,626.8	0.00	0.00	0.00
11,400.0	90.74	355.74	9,862.0	1,722.1	-128.2	1,726.8	0.00	0.00	0.00
11,500.0	90.74	355.74	9,860.7	1,821.8	-135.6	1,826.8	0.00	0.00	0.00
11,600.0	90.74	355.74	9,859.4	1,921.5	-143.0	1,926.8	0.00	0.00	0.00
11,700.0	90.74	355.74	9,858.1	2,021.2	-150.4	2,026.8	0.00	0.00	0.00
11,800.0	90.74	355.74	9,856.8	2,120.9	-157.8	2,126.8	0.00	0.00	0.00
11,900.0	90.74	355.74	9,855.5	2,220.6	-165.3	2,226.8	0.00	0.00	0.00
12,000.0	90.74	355.74	9,854.2	2,320.4	-172.7	2,326.8	0.00	0.00	0.00
12,100.0	90.74	355.74	9,853.0	2,420.1	-180.1	2,426.8	0.00	0.00	0.00
12,200.0	90.74	355.74	9,851.7	2,519.8	-187.5	2,526.8	0.00	0.00	0.00
12,300.0	90.74	355.74	9,850.4	2,619.5	-194.9	2,626.7	0.00	0.00	0.00
12,400.0	90.74	355.74	9,849.1	2,719.2	-202.4	2,726.7	0.00	0.00	0.00
12,500.0	90.74	355.74	9,847.8	2,818.9	-209.8	2,826.7	0.00	0.00	0.00
12,600.0	90.74	355.74	9,846.5	2,918.6	-217.2	2,926.7	0.00	0.00	0.00
12,700.0	90.74	355.74	9,845.2	3,018.4	-224.6	3,026.7	0.00	0.00	0.00
12,800.0	90.74	355.74	9,843.9	3,118.1	-232.0	3,126.7	0.00	0.00	0.00
12,900.0	90.74	355.74	9,842.6	3,217.8	-239.5	3,226.7	0.00	0.00	0.00
13,000.0	90.74	355.74	9,841.4	3,317.5	-246.9	3,326.7	0.00	0.00	0.00
13,100.0	90.74	355.74	9,840.1	3,417.2	-254.3	3,426.7	0.00	0.00	0.00
13,200.0	90.74	355.74	9,838.8	3,516.9	-261.7	3,526.7	0.00	0.00	0.00
13,300.0	90.74	355.74	9,837.5	3,616.7	-269.1	3,626.7	0.00	0.00	0.00
13,400.0	90.74	355.74	9,836.2	3,716.4	-276.6	3,726.7	0.00	0.00	0.00
13,500.0	90.74	355.74	9,834.9	3,816.1	-284.0	3,826.6	0.00	0.00	0.00
13,600.0	90.74	355.74	9,833.6	3,915.8	-291.4	3,926.6	0.00	0.00	0.00
13,700.0	90.74	355.74	9,832.3	4,015.5	-298.8	4,026.6	0.00	0.00	0.00
13,800.0	90.74	355.74	9,831.0	4,115.2	-306.2	4,126.6	0.00	0.00	0.00
13,900.0	90.74	355.74	9,829.8	4,215.0	-313.7	4,226.6	0.00	0.00	0.00
14,000.0	90.74	355.74	9,828.5	4,314.7	-321.1	4,326.6	0.00	0.00	0.00
14,100.0	90.74	355.74	9,827.2	4,414.4	-328.5	4,426.6	0.00	0.00	0.00
14,200.0	90.74	355.74	9,825.9	4,514.1	-335.9	4,526.6	0.00	0.00	0.00
14,300.0	90.74	355.74	9,824.6	4,613.8	-343.4	4,626.6	0.00	0.00	0.00
14,400.0	90.74	355.74	9,823.3	4,713.5	-350.8	4,726.6	0.00	0.00	0.00
14,424.6	90.74	355.74	9,823.0	4,738.1	-352.6	4,751.2	0.00	0.00	0.00
PBHL: 330' FNL & 330' FWL									

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site McKamey 25 B2MD Fed Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3598.0usft (Original Well Elev)
Project:	Lea County, New Mexico	MD Reference:	WELL @ 3598.0usft (Original Well Elev)
Site:	McKamey 25 B2MD Fed Com #1H	North Reference:	Grid
Well:	Sec 25, T19S, R32E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 330' FNL & 330' FWL		
Design:	Design #1		

Design Targets										
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	
- hit/miss target	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)			
- Shape										
SL: 210 FSL & 660 FWL	0.00	0.00	0.0	0.0	0.0	591,443.60	687,102.60	32° 37' 28.241 N	103° 43' 32.218 W	
- plan hits target center										
- Point										
KOP @ 9401	0.00	0.00	9,400.5	0.0	0.0	591,443.60	687,102.60	32° 37' 28.241 N	103° 43' 32.218 W	
- plan hits target center										
- Point										
First Take Point: 330 FSI	0.00	0.00	9,717.4	120.0	-8.9	591,563.60	687,093.70	32° 37' 29.429 N	103° 43' 32.314 W	
- plan hits target center										
- Point										
PBHL: 330' FNL & 330 F	0.00	0.00	9,823.0	4,738.1	-352.6	596,181.70	686,750.00	32° 38' 15.145 N	103° 43' 36.024 W	
- plan hits target center										
- Point										
LP: 693 FSL & 629 FWL	0.00	0.00	9,878.0	482.4	-35.9	591,926.00	687,066.70	32° 37' 33.016 N	103° 43' 32.605 W	
- plan hits target center										
- Point										

McKamey 25 B2MD Fed Com #1H

