

Mewbourne Oil Company

Lea County, New Mexico NAD 83

Bilbrey 34/27 W0MD Fed Com #1H

SL: 205 FSL & 1330 FWL (Sec 34)

Sec 34, T21S, R32E

BHL: 100 FNL & 800 FWL (Sec 27)

Plan: Design #1

Standard Planning Report

24 June, 2019

Planning Report

Database: Hobbs
Company: Mewbourne Oil Company
Project: Lea County, New Mexico NAD 83
Site: Bilbrey 34/27 W0MD Fed Com #1H
Well: SL: 205 FSL & 1330 FWL (Sec 34)
Wellbore: BHL: 100 FNL & 800 FWL (Sec 27)
Design: Design #1

Local Co-ordinate Reference: Site Bilbrey 34/27 W0MD Fed Com #1H
TVD Reference: WELL @ 3779.0usft (Original Well Elev)
MD Reference: WELL @ 3779.0usft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Project	Lea County, New Mexico NAD 83		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Bilbrey 34/27 W0MD Fed Com #1H			
Site Position:		Northing:	520,274.70 usft	Latitude: 32.4285383
From:	Map	Easting:	746,968.10 usft	Longitude: -103.6668713
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence: 0.36 °

Well	SL: 205 FSL & 1330 FWL (Sec 34)			
Well Position	+N-S	0.0 usft	Northing:	520,274.70 usft
	+E-W	0.0 usft	Easting:	746,968.10 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	3,779.0 usft	Ground Level: 3,752.0 usft

Wellbore	BHL: 100 FNL & 800 FWL (Sec 27)				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
			(°)	(°)	(nT)
	IGRF2010	6/21/2019	6.65	60.15	47,925

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	356.70

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	
950.0	0.00	0.00	950.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,157.6	3.11	249.36	1,157.5	-2.0	-5.3	1.50	1.50	0.00	249.36	
11,339.6	3.11	249.36	11,324.5	-197.0	-522.9	0.00	0.00	0.00	0.00	
11,547.2	0.00	0.00	11,532.0	-199.0	-528.2	1.50	-1.50	0.00	180.00	KOP: 10 FSL & 800 F
12,301.3	90.57	359.65	12,009.0	282.8	-531.1	12.01	12.01	0.00	-0.35	
22,281.1	90.57	359.65	11,909.0	10,261.9	-591.2	0.00	0.00	0.00	0.00	BHL: 100 FNL & 800 F

Planning Report

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 Wellbore: BHL: 100 FNL & 800 FWL (Sec 27)
 Design: Design #1

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 TVD Reference: WELL @ 3779.0usft (Original Well Elev)
 MD Reference: WELL @ 3779.0usft (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)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
SL: 205 FSL & 1330 FWL (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
950.0	0.00	0.00	950.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.75	249.36	1,000.0	-0.1	-0.3	-0.1	1.50	1.50	0.00
1,100.0	2.25	249.36	1,100.0	-1.0	-2.8	-0.9	1.50	1.50	0.00
1,157.6	3.11	249.36	1,157.5	-2.0	-5.3	-1.7	1.50	1.50	0.00
1,200.0	3.11	249.36	1,199.8	-2.8	-7.4	-2.4	0.00	0.00	0.00
1,300.0	3.11	249.36	1,299.7	-4.7	-12.5	-4.0	0.00	0.00	0.00
1,400.0	3.11	249.36	1,399.5	-6.6	-17.6	-5.6	0.00	0.00	0.00
1,500.0	3.11	249.36	1,499.4	-8.5	-22.7	-7.2	0.00	0.00	0.00
1,600.0	3.11	249.36	1,599.2	-10.5	-27.8	-8.8	0.00	0.00	0.00
1,700.0	3.11	249.36	1,699.1	-12.4	-32.9	-10.5	0.00	0.00	0.00
1,800.0	3.11	249.36	1,798.9	-14.3	-37.9	-12.1	0.00	0.00	0.00
1,900.0	3.11	249.36	1,898.8	-16.2	-43.0	-13.7	0.00	0.00	0.00
2,000.0	3.11	249.36	1,998.7	-18.1	-48.1	-15.3	0.00	0.00	0.00
2,100.0	3.11	249.36	2,098.5	-20.0	-53.2	-16.9	0.00	0.00	0.00
2,200.0	3.11	249.36	2,198.4	-22.0	-58.3	-18.6	0.00	0.00	0.00
2,300.0	3.11	249.36	2,298.2	-23.9	-63.4	-20.2	0.00	0.00	0.00
2,400.0	3.11	249.36	2,398.1	-25.8	-68.4	-21.8	0.00	0.00	0.00
2,500.0	3.11	249.36	2,497.9	-27.7	-73.5	-23.4	0.00	0.00	0.00
2,600.0	3.11	249.36	2,597.8	-29.6	-78.6	-25.0	0.00	0.00	0.00
2,700.0	3.11	249.36	2,697.6	-31.5	-83.7	-26.7	0.00	0.00	0.00
2,800.0	3.11	249.36	2,797.5	-33.4	-88.8	-28.3	0.00	0.00	0.00
2,900.0	3.11	249.36	2,897.3	-35.4	-93.9	-29.9	0.00	0.00	0.00
3,000.0	3.11	249.36	2,997.2	-37.3	-98.9	-31.5	0.00	0.00	0.00
3,100.0	3.11	249.36	3,097.0	-39.2	-104.0	-33.1	0.00	0.00	0.00
3,200.0	3.11	249.36	3,196.9	-41.1	-109.1	-34.8	0.00	0.00	0.00
3,300.0	3.11	249.36	3,296.7	-43.0	-114.2	-36.4	0.00	0.00	0.00
3,400.0	3.11	249.36	3,396.6	-44.9	-119.3	-38.0	0.00	0.00	0.00
3,500.0	3.11	249.36	3,496.4	-46.9	-124.4	-39.6	0.00	0.00	0.00
3,600.0	3.11	249.36	3,596.3	-48.8	-129.4	-41.2	0.00	0.00	0.00
3,700.0	3.11	249.36	3,696.1	-50.7	-134.5	-42.9	0.00	0.00	0.00
3,800.0	3.11	249.36	3,796.0	-52.6	-139.6	-44.5	0.00	0.00	0.00
3,900.0	3.11	249.36	3,895.8	-54.5	-144.7	-46.1	0.00	0.00	0.00
4,000.0	3.11	249.36	3,995.7	-56.4	-149.8	-47.7	0.00	0.00	0.00
4,100.0	3.11	249.36	4,095.6	-58.3	-154.9	-49.3	0.00	0.00	0.00
4,200.0	3.11	249.36	4,195.4	-60.3	-160.0	-51.0	0.00	0.00	0.00
4,300.0	3.11	249.36	4,295.3	-62.2	-165.0	-52.6	0.00	0.00	0.00
4,400.0	3.11	249.36	4,395.1	-64.1	-170.1	-54.2	0.00	0.00	0.00
4,500.0	3.11	249.36	4,495.0	-66.0	-175.2	-55.8	0.00	0.00	0.00
4,600.0	3.11	249.36	4,594.8	-67.9	-180.3	-57.4	0.00	0.00	0.00
4,700.0	3.11	249.36	4,694.7	-69.8	-185.4	-59.1	0.00	0.00	0.00
4,800.0	3.11	249.36	4,794.5	-71.8	-190.5	-60.7	0.00	0.00	0.00
4,900.0	3.11	249.36	4,894.4	-73.7	-195.5	-62.3	0.00	0.00	0.00
5,000.0	3.11	249.36	4,994.2	-75.6	-200.6	-63.9	0.00	0.00	0.00

Planning Report

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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)
5,100.0	3.11	249.36	5,094.1	-77.5	-205.7	-65.5	0.00	0.00	0.00
5,200.0	3.11	249.36	5,193.9	-79.4	-210.8	-67.2	0.00	0.00	0.00
5,300.0	3.11	249.36	5,293.8	-81.3	-215.9	-68.8	0.00	0.00	0.00
5,400.0	3.11	249.36	5,393.6	-83.2	-221.0	-70.4	0.00	0.00	0.00
5,500.0	3.11	249.36	5,493.5	-85.2	-226.0	-72.0	0.00	0.00	0.00
5,600.0	3.11	249.36	5,593.3	-87.1	-231.1	-73.6	0.00	0.00	0.00
5,700.0	3.11	249.36	5,693.2	-89.0	-236.2	-75.3	0.00	0.00	0.00
5,800.0	3.11	249.36	5,793.0	-90.9	-241.3	-76.9	0.00	0.00	0.00
5,900.0	3.11	249.36	5,892.9	-92.8	-246.4	-78.5	0.00	0.00	0.00
6,000.0	3.11	249.36	5,992.7	-94.7	-251.5	-80.1	0.00	0.00	0.00
6,100.0	3.11	249.36	6,092.6	-96.7	-256.5	-81.7	0.00	0.00	0.00
6,200.0	3.11	249.36	6,192.5	-98.6	-261.6	-83.4	0.00	0.00	0.00
6,300.0	3.11	249.36	6,292.3	-100.5	-266.7	-85.0	0.00	0.00	0.00
6,400.0	3.11	249.36	6,392.2	-102.4	-271.8	-86.6	0.00	0.00	0.00
6,500.0	3.11	249.36	6,492.0	-104.3	-276.9	-88.2	0.00	0.00	0.00
6,600.0	3.11	249.36	6,591.9	-106.2	-282.0	-89.8	0.00	0.00	0.00
6,700.0	3.11	249.36	6,691.7	-108.1	-287.0	-91.5	0.00	0.00	0.00
6,800.0	3.11	249.36	6,791.6	-110.1	-292.1	-93.1	0.00	0.00	0.00
6,900.0	3.11	249.36	6,891.4	-112.0	-297.2	-94.7	0.00	0.00	0.00
7,000.0	3.11	249.36	6,991.3	-113.9	-302.3	-96.3	0.00	0.00	0.00
7,100.0	3.11	249.36	7,091.1	-115.8	-307.4	-97.9	0.00	0.00	0.00
7,200.0	3.11	249.36	7,191.0	-117.7	-312.5	-99.6	0.00	0.00	0.00
7,300.0	3.11	249.36	7,290.8	-119.6	-317.6	-101.2	0.00	0.00	0.00
7,400.0	3.11	249.36	7,390.7	-121.6	-322.6	-102.8	0.00	0.00	0.00
7,500.0	3.11	249.36	7,490.5	-123.5	-327.7	-104.4	0.00	0.00	0.00
7,600.0	3.11	249.36	7,590.4	-125.4	-332.8	-106.0	0.00	0.00	0.00
7,700.0	3.11	249.36	7,690.2	-127.3	-337.9	-107.7	0.00	0.00	0.00
7,800.0	3.11	249.36	7,790.1	-129.2	-343.0	-109.3	0.00	0.00	0.00
7,900.0	3.11	249.36	7,889.9	-131.1	-348.1	-110.9	0.00	0.00	0.00
8,000.0	3.11	249.36	7,989.8	-133.0	-353.1	-112.5	0.00	0.00	0.00
8,100.0	3.11	249.36	8,089.6	-135.0	-358.2	-114.1	0.00	0.00	0.00
8,200.0	3.11	249.36	8,189.5	-136.9	-363.3	-115.8	0.00	0.00	0.00
8,300.0	3.11	249.36	8,289.3	-138.8	-368.4	-117.4	0.00	0.00	0.00
8,400.0	3.11	249.36	8,389.2	-140.7	-373.5	-119.0	0.00	0.00	0.00
8,500.0	3.11	249.36	8,489.1	-142.6	-378.6	-120.6	0.00	0.00	0.00
8,600.0	3.11	249.36	8,588.9	-144.5	-383.6	-122.2	0.00	0.00	0.00
8,700.0	3.11	249.36	8,688.8	-146.5	-388.7	-123.9	0.00	0.00	0.00
8,800.0	3.11	249.36	8,788.6	-148.4	-393.8	-125.5	0.00	0.00	0.00
8,900.0	3.11	249.36	8,888.5	-150.3	-398.9	-127.1	0.00	0.00	0.00
9,000.0	3.11	249.36	8,988.3	-152.2	-404.0	-128.7	0.00	0.00	0.00
9,100.0	3.11	249.36	9,088.2	-154.1	-409.1	-130.3	0.00	0.00	0.00
9,200.0	3.11	249.36	9,188.0	-156.0	-414.1	-132.0	0.00	0.00	0.00
9,300.0	3.11	249.36	9,287.9	-157.9	-419.2	-133.6	0.00	0.00	0.00
9,400.0	3.11	249.36	9,387.7	-159.9	-424.3	-135.2	0.00	0.00	0.00
9,500.0	3.11	249.36	9,487.6	-161.8	-429.4	-136.8	0.00	0.00	0.00
9,600.0	3.11	249.36	9,587.4	-163.7	-434.5	-138.4	0.00	0.00	0.00
9,700.0	3.11	249.36	9,687.3	-165.6	-439.6	-140.1	0.00	0.00	0.00
9,800.0	3.11	249.36	9,787.1	-167.5	-444.6	-141.7	0.00	0.00	0.00
9,900.0	3.11	249.36	9,887.0	-169.4	-449.7	-143.3	0.00	0.00	0.00
10,000.0	3.11	249.36	9,986.8	-171.4	-454.8	-144.9	0.00	0.00	0.00
10,100.0	3.11	249.36	10,086.7	-173.3	-459.9	-146.5	0.00	0.00	0.00
10,200.0	3.11	249.36	10,186.5	-175.2	-465.0	-148.1	0.00	0.00	0.00
10,300.0	3.11	249.36	10,286.4	-177.1	-470.1	-149.8	0.00	0.00	0.00
10,400.0	3.11	249.36	10,386.2	-179.0	-475.2	-151.4	0.00	0.00	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)
10,500.0	3.11	249.36	10,486.1	-180.9	-480.2	-153.0	0.00	0.00	0.00
10,600.0	3.11	249.36	10,586.0	-182.8	-485.3	-154.6	0.00	0.00	0.00
10,700.0	3.11	249.36	10,685.8	-184.8	-490.4	-156.2	0.00	0.00	0.00
10,800.0	3.11	249.36	10,785.7	-186.7	-495.5	-157.9	0.00	0.00	0.00
10,900.0	3.11	249.36	10,885.5	-188.6	-500.6	-159.5	0.00	0.00	0.00
11,000.0	3.11	249.36	10,985.4	-190.5	-505.7	-161.1	0.00	0.00	0.00
11,100.0	3.11	249.36	11,085.2	-192.4	-510.7	-162.7	0.00	0.00	0.00
11,200.0	3.11	249.36	11,185.1	-194.3	-515.8	-164.3	0.00	0.00	0.00
11,300.0	3.11	249.36	11,284.9	-196.3	-520.9	-166.0	0.00	0.00	0.00
11,339.6	3.11	249.36	11,324.5	-197.0	-522.9	-166.6	0.00	0.00	0.00
11,400.0	2.21	249.36	11,384.8	-198.0	-525.5	-167.4	1.50	-1.50	0.00
11,500.0	0.71	249.36	11,484.8	-198.9	-527.9	-168.2	1.50	-1.50	0.00
11,547.2	0.00	0.00	11,532.0	-199.0	-528.2	-168.3	1.50	-1.50	0.00
KOP: 10 FSL & 800 FWL (34)									
11,600.0	6.34	359.65	11,584.7	-196.1	-528.2	-165.4	12.01	12.01	0.00
11,700.0	18.35	359.65	11,682.2	-174.7	-528.3	-144.1	12.01	12.01	0.00
11,800.0	30.36	359.65	11,773.1	-133.6	-528.6	-103.0	12.01	12.01	0.00
11,845.1	35.77	359.65	11,810.9	-109.0	-528.7	-78.4	12.01	12.01	0.00
FTP: 100 FSL & 800 FWL (34)									
11,900.0	42.37	359.65	11,853.5	-74.4	-529.0	-43.9	12.01	12.01	0.00
12,000.0	54.38	359.65	11,919.8	0.2	-529.4	30.7	12.01	12.01	0.00
12,100.0	66.39	359.65	11,969.1	87.0	-529.9	117.3	12.01	12.01	0.00
12,200.0	78.40	359.65	11,999.3	182.1	-530.5	212.3	12.01	12.01	0.00
12,300.0	90.41	359.65	12,009.0	281.5	-531.1	311.5	12.01	12.01	0.00
12,301.3	90.57	359.65	12,009.0	282.8	-531.1	312.9	12.01	12.01	0.00
12,400.0	90.57	359.65	12,008.0	381.5	-531.7	411.4	0.00	0.00	0.00
12,500.0	90.57	359.65	12,007.0	481.5	-532.3	511.3	0.00	0.00	0.00
12,600.0	90.57	359.65	12,006.0	581.4	-532.9	611.1	0.00	0.00	0.00
12,700.0	90.57	359.65	12,005.0	681.4	-533.5	711.0	0.00	0.00	0.00
12,800.0	90.57	359.65	12,004.0	781.4	-534.1	810.9	0.00	0.00	0.00
12,900.0	90.57	359.65	12,003.0	881.4	-534.7	910.7	0.00	0.00	0.00
13,000.0	90.57	359.65	12,002.0	981.4	-535.3	1,010.6	0.00	0.00	0.00
13,100.0	90.57	359.65	12,001.0	1,081.4	-535.9	1,110.4	0.00	0.00	0.00
13,200.0	90.57	359.65	12,000.0	1,181.4	-536.5	1,210.3	0.00	0.00	0.00
13,300.0	90.57	359.65	11,999.0	1,281.4	-537.1	1,310.2	0.00	0.00	0.00
13,400.0	90.57	359.65	11,998.0	1,381.4	-537.7	1,410.0	0.00	0.00	0.00
13,500.0	90.57	359.65	11,997.0	1,481.4	-538.3	1,509.9	0.00	0.00	0.00
13,600.0	90.57	359.65	11,996.0	1,581.4	-538.9	1,609.8	0.00	0.00	0.00
13,700.0	90.57	359.65	11,995.0	1,681.4	-539.5	1,709.6	0.00	0.00	0.00
13,800.0	90.57	359.65	11,994.0	1,781.4	-540.1	1,809.5	0.00	0.00	0.00
13,900.0	90.57	359.65	11,993.0	1,881.4	-540.7	1,909.3	0.00	0.00	0.00
14,000.0	90.57	359.65	11,992.0	1,981.4	-541.3	2,009.2	0.00	0.00	0.00
14,100.0	90.57	359.65	11,991.0	2,081.3	-541.9	2,109.1	0.00	0.00	0.00
14,200.0	90.57	359.65	11,990.0	2,181.3	-542.5	2,208.9	0.00	0.00	0.00
14,300.0	90.57	359.65	11,989.0	2,281.3	-543.1	2,308.8	0.00	0.00	0.00
14,400.0	90.57	359.65	11,988.0	2,381.3	-543.7	2,408.7	0.00	0.00	0.00
14,459.6	90.57	359.65	11,987.4	2,440.9	-544.1	2,468.2	0.00	0.00	0.00
PPP2: 2640 FSL & 800 FWL (34)									
14,500.0	90.57	359.65	11,987.0	2,481.3	-544.3	2,508.5	0.00	0.00	0.00
14,600.0	90.57	359.65	11,986.0	2,581.3	-544.9	2,608.4	0.00	0.00	0.00
14,700.0	90.57	359.65	11,985.0	2,681.3	-545.5	2,708.2	0.00	0.00	0.00
14,800.0	90.57	359.65	11,984.0	2,781.3	-546.1	2,808.1	0.00	0.00	0.00
14,900.0	90.57	359.65	11,983.0	2,881.3	-546.8	2,908.0	0.00	0.00	0.00

Planning Report

Database: Hobbs
 Company: Mewbourne Oil Company
 Project: Lea County, New Mexico NAD 83
 Site: Bilbrey 34/27 W0MD Fed Com #1H
 Well: SL: 205 FSL & 1330 FWL (Sec 34)
 Wellbore: BHL: 100 FNL & 800 FWL (Sec 27)
 Design: Design #1

Local Co-ordinate Reference: Site Bilbrey 34/27 W0MD Fed Com #1H
 TVD Reference: WELL @ 3779.0usft (Original Well Elev)
 MD Reference: WELL @ 3779.0usft (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)
15,000.0	90.57	359.65	11,982.0	2,981.3	-547.4	3,007.8	0.00	0.00	0.00
15,100.0	90.57	359.65	11,981.0	3,081.3	-548.0	3,107.7	0.00	0.00	0.00
15,200.0	90.57	359.65	11,980.0	3,181.3	-548.6	3,207.6	0.00	0.00	0.00
15,300.0	90.57	359.65	11,979.0	3,281.3	-549.2	3,307.4	0.00	0.00	0.00
15,400.0	90.57	359.65	11,978.0	3,381.3	-549.8	3,407.3	0.00	0.00	0.00
15,500.0	90.57	359.65	11,976.9	3,481.2	-550.4	3,507.1	0.00	0.00	0.00
15,600.0	90.57	359.65	11,975.9	3,581.2	-551.0	3,607.0	0.00	0.00	0.00
15,700.0	90.57	359.65	11,974.9	3,681.2	-551.6	3,706.9	0.00	0.00	0.00
15,800.0	90.57	359.65	11,973.9	3,781.2	-552.2	3,806.7	0.00	0.00	0.00
15,900.0	90.57	359.65	11,972.9	3,881.2	-552.8	3,906.6	0.00	0.00	0.00
16,000.0	90.57	359.65	11,971.9	3,981.2	-553.4	4,006.5	0.00	0.00	0.00
16,100.0	90.57	359.65	11,970.9	4,081.2	-554.0	4,106.3	0.00	0.00	0.00
16,200.0	90.57	359.65	11,969.9	4,181.2	-554.6	4,206.2	0.00	0.00	0.00
16,300.0	90.57	359.65	11,968.9	4,281.2	-555.2	4,306.0	0.00	0.00	0.00
16,400.0	90.57	359.65	11,967.9	4,381.2	-555.8	4,405.9	0.00	0.00	0.00
16,500.0	90.57	359.65	11,966.9	4,481.2	-556.4	4,505.8	0.00	0.00	0.00
16,600.0	90.57	359.65	11,965.9	4,581.2	-557.0	4,605.6	0.00	0.00	0.00
16,700.0	90.57	359.65	11,964.9	4,681.2	-557.6	4,705.5	0.00	0.00	0.00
16,800.0	90.57	359.65	11,963.9	4,781.2	-558.2	4,805.3	0.00	0.00	0.00
16,900.0	90.57	359.65	11,962.9	4,881.2	-558.8	4,905.2	0.00	0.00	0.00
17,000.0	90.57	359.65	11,961.9	4,981.1	-559.4	5,005.1	0.00	0.00	0.00
17,094.2	90.57	359.65	11,961.0	5,075.3	-560.0	5,099.1	0.00	0.00	0.00
PPP3: 0 FSL & 800 FWL (27)									
17,100.0	90.57	359.65	11,960.9	5,081.1	-560.0	5,104.9	0.00	0.00	0.00
17,200.0	90.57	359.65	11,959.9	5,181.1	-560.6	5,204.8	0.00	0.00	0.00
17,300.0	90.57	359.65	11,958.9	5,281.1	-561.2	5,304.7	0.00	0.00	0.00
17,400.0	90.57	359.65	11,957.9	5,381.1	-561.8	5,404.5	0.00	0.00	0.00
17,500.0	90.57	359.65	11,956.9	5,481.1	-562.4	5,504.4	0.00	0.00	0.00
17,600.0	90.57	359.65	11,955.9	5,581.1	-563.0	5,604.2	0.00	0.00	0.00
17,700.0	90.57	359.65	11,954.9	5,681.1	-563.6	5,704.1	0.00	0.00	0.00
17,800.0	90.57	359.65	11,953.9	5,781.1	-564.2	5,804.0	0.00	0.00	0.00
17,900.0	90.57	359.65	11,952.9	5,881.1	-564.8	5,903.8	0.00	0.00	0.00
18,000.0	90.57	359.65	11,951.9	5,981.1	-565.4	6,003.7	0.00	0.00	0.00
18,100.0	90.57	359.65	11,950.9	6,081.1	-566.0	6,103.6	0.00	0.00	0.00
18,200.0	90.57	359.65	11,949.9	6,181.1	-566.6	6,203.4	0.00	0.00	0.00
18,300.0	90.57	359.65	11,948.9	6,281.1	-567.2	6,303.3	0.00	0.00	0.00
18,400.0	90.57	359.65	11,947.9	6,381.0	-567.8	6,403.1	0.00	0.00	0.00
18,500.0	90.57	359.65	11,946.9	6,481.0	-568.4	6,503.0	0.00	0.00	0.00
18,600.0	90.57	359.65	11,945.9	6,581.0	-569.0	6,602.9	0.00	0.00	0.00
18,700.0	90.57	359.65	11,944.9	6,681.0	-569.6	6,702.7	0.00	0.00	0.00
18,800.0	90.57	359.65	11,943.9	6,781.0	-570.2	6,802.6	0.00	0.00	0.00
18,900.0	90.57	359.65	11,942.9	6,881.0	-570.8	6,902.5	0.00	0.00	0.00
19,000.0	90.57	359.65	11,941.9	6,981.0	-571.4	7,002.3	0.00	0.00	0.00
19,100.0	90.57	359.65	11,940.9	7,081.0	-572.0	7,102.2	0.00	0.00	0.00
19,200.0	90.57	359.65	11,939.9	7,181.0	-572.6	7,202.0	0.00	0.00	0.00
19,300.0	90.57	359.65	11,938.9	7,281.0	-573.2	7,301.9	0.00	0.00	0.00
19,400.0	90.57	359.65	11,937.9	7,381.0	-573.8	7,401.8	0.00	0.00	0.00
19,500.0	90.57	359.65	11,936.9	7,481.0	-574.5	7,501.6	0.00	0.00	0.00
19,600.0	90.57	359.65	11,935.9	7,581.0	-575.1	7,601.5	0.00	0.00	0.00
19,700.0	90.57	359.65	11,934.9	7,681.0	-575.7	7,701.4	0.00	0.00	0.00
19,730.7	90.57	359.65	11,934.6	7,711.7	-575.8	7,732.1	0.00	0.00	0.00
PPP4: 2641 FSL & 800 FWL (27)									
19,800.0	90.57	359.65	11,933.9	7,781.0	-576.3	7,801.2	0.00	0.00	0.00
19,900.0	90.57	359.65	11,932.9	7,880.9	-576.9	7,901.1	0.00	0.00	0.00

Planning Report

Database: Hobbs
Company: Mewbourne Oil Company
Project: Lea County, New Mexico NAD 83
Site: Bilbrey 34/27 W0MD Fed Com #1H
Well: SL: 205 FSL & 1330 FWL (Sec 34)
Wellbore: BHL: 100 FNL & 800 FWL (Sec 27)
Design: Design #1

Local Co-ordinate Reference: Site Bilbrey 34/27 W0MD Fed Com #1H
TVD Reference: WELL @ 3779.0usft (Original Well Elev)
MD Reference: WELL @ 3779.0usft (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)
20,000.0	90.57	359.65	11,931.9	7,980.9	-577.5	8,000.9	0.00	0.00	0.00
20,100.0	90.57	359.65	11,930.9	8,080.9	-578.1	8,100.8	0.00	0.00	0.00
20,200.0	90.57	359.65	11,929.9	8,180.9	-578.7	8,200.7	0.00	0.00	0.00
20,300.0	90.57	359.65	11,928.9	8,280.9	-579.3	8,300.5	0.00	0.00	0.00
20,400.0	90.57	359.65	11,927.8	8,380.9	-579.9	8,400.4	0.00	0.00	0.00
20,500.0	90.57	359.65	11,926.8	8,480.9	-580.5	8,500.3	0.00	0.00	0.00
20,600.0	90.57	359.65	11,925.8	8,580.9	-581.1	8,600.1	0.00	0.00	0.00
20,700.0	90.57	359.65	11,924.8	8,680.9	-581.7	8,700.0	0.00	0.00	0.00
20,800.0	90.57	359.65	11,923.8	8,780.9	-582.3	8,799.8	0.00	0.00	0.00
20,900.0	90.57	359.65	11,922.8	8,880.9	-582.9	8,899.7	0.00	0.00	0.00
21,000.0	90.57	359.65	11,921.8	8,980.9	-583.5	8,999.6	0.00	0.00	0.00
21,100.0	90.57	359.65	11,920.8	9,080.9	-584.1	9,099.4	0.00	0.00	0.00
21,200.0	90.57	359.65	11,919.8	9,180.9	-584.7	9,199.3	0.00	0.00	0.00
21,300.0	90.57	359.65	11,918.8	9,280.9	-585.3	9,299.2	0.00	0.00	0.00
21,400.0	90.57	359.65	11,917.8	9,380.8	-585.9	9,399.0	0.00	0.00	0.00
21,500.0	90.57	359.65	11,916.8	9,480.8	-586.5	9,498.9	0.00	0.00	0.00
21,600.0	90.57	359.65	11,915.8	9,580.8	-587.1	9,598.7	0.00	0.00	0.00
21,700.0	90.57	359.65	11,914.8	9,680.8	-587.7	9,698.6	0.00	0.00	0.00
21,800.0	90.57	359.65	11,913.8	9,780.8	-588.3	9,798.5	0.00	0.00	0.00
21,900.0	90.57	359.65	11,912.8	9,880.8	-588.9	9,898.3	0.00	0.00	0.00
22,000.0	90.57	359.65	11,911.8	9,980.8	-589.5	9,998.2	0.00	0.00	0.00
22,100.0	90.57	359.65	11,910.8	10,080.8	-590.1	10,098.0	0.00	0.00	0.00
22,200.0	90.57	359.65	11,909.8	10,180.8	-590.7	10,197.9	0.00	0.00	0.00
22,281.1	90.57	359.65	11,909.0	10,261.9	-591.2	10,278.9	0.00	0.00	0.00

BHL: 100 FNL & 800 FWL (27)

Planning Report

Database: Hobbs
Company: Mewbourne Oil Company
Project: Lea County, New Mexico NAD 83
Site: Bilbrey 34/27 W0MD Fed Com #1H
Well: SL: 205 FSL & 1330 FWL (Sec 34)
Wellbore: BHL: 100 FNL & 800 FWL (Sec 27)
Design: Design #1

Local Co-ordinate Reference: Site Bilbrey 34/27 W0MD Fed Com #1H
TVD Reference: WELL @ 3779.0usft (Original Well Elev)
MD Reference: WELL @ 3779.0usft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

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: 205 FSL & 1330 FW - plan hits target center - Point	0.00	0.00	0.0	0.0	0.0	520,274.70	746,968.10	32.4285383	-103.6668713	
KOP: 10 FSL & 800 FWL - plan hits target center - Point	0.00	0.00	11,532.0	-199.0	-528.2	520,075.70	746,439.90	32.4280004	-103.6685871	
FTP: 100 FSL & 800 FW - plan hits target center - Point	0.00	0.00	11,810.9	-109.0	-528.7	520,165.70	746,439.35	32.4282478	-103.6685870	
BHL: 100 FNL & 800 FW - plan hits target center - Point	0.00	0.00	11,909.0	10,261.9	-591.2	530,536.60	746,376.90	32.4567546	-103.6685803	
PPP4: 2641 FSL & 800 I - plan hits target center - Point	0.00	0.00	11,934.6	7,711.7	-575.8	527,986.40	746,392.26	32.4497448	-103.6685819	
PPP3: 0 FSL & 800 FWL - plan hits target center - Point	0.00	0.00	11,961.0	5,075.3	-560.0	525,350.00	746,408.13	32.4424980	-103.6685837	
PPP2: 2640 FSL & 800 I - plan hits target center - Point	0.00	0.00	11,987.4	2,440.9	-544.1	522,715.60	746,424.00	32.4352568	-103.6685854	

