



MEWBOURNE
OIL COMPANY

Mewbourne Oil Company

Eddy County, N.M. Nad (83)

Section 14-11- 26S-29E Fuller 14-11 W2HA 3H

Fuller 14-11 W2HA Fed #3H

Original Hole

30-01544601

RECEIVED

Design: Original Hole

JUL 12 2018

DISTRICT II-ARTESIA O.C.D.

Standard Survey Report

14 February, 2018



Company: Mewbourne Oil Company
Project: Eddy County, N.M. Nad (83)
Site: Section 14-11- 26S-29E Fuller 14-11 W2HA 3H
Well: Fuller 14-11 W2HA Fed #3H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Fuller 14-11 W2HA Fed #3H
TVD Reference: 2949 + 27 @ 2976.0usft (Patterson # 250)
MD Reference: 2949 + 27 @ 2976.0usft (Patterson # 250)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Stryker_EDM

Project	Eddy County, N.M. 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 Section 14-11- 26S-29E Fuller 14-11 W2HA 3H

Site Position:	Northing:	379,385.90 usft	Latitude:	32° 2' 32.723 N
From: Map	Easting:	661,056.20 usft	Longitude:	103° 56' 49.029 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence: 0.21 °

Well Fuller 14-11 W2HA Fed #3H

Well Position	+N/-S	0.0 usft	Northing:	379,385.90 usft	Latitude:	32° 2' 32.723 N
	+E/-W	0.0 usft	Easting:	661,056.20 usft	Longitude:	103° 56' 49.029 W
Position Uncertainty	0.0 usft	Wellhead Elevation:	27.0 usft	Ground Level:	2,949.0 usft	

Wellbore Original Hole

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	11/8/2017	7.07	59.83	47,753.07602661

Design Original Hole

Audit Notes:

Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.0	0.0	0.0	268.42	

Survey Program Date 2/14/2018

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
693.0	18,665.0	MWD Survey (Original Hole)	MWD	MWD v3:standard declination

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)
612.0	1.71	240.07	611.9	-0.3	-9.8	9.8	0.00	0.00	0.00
693.0	1.50	219.00	692.8	-1.7	-11.5	11.5	0.77	-0.26	-26.01
755.0	0.70	229.60	754.8	-2.6	-12.3	12.4	1.33	-1.29	17.10
846.0	0.50	81.80	845.8	-2.9	-12.3	12.4	1.27	-0.22	-162.42
907.0	0.30	37.50	906.8	-2.7	-12.0	12.0	0.58	-0.33	-72.62
968.0	0.20	31.60	967.8	-2.5	-11.8	11.9	0.17	-0.16	-9.67
1,030.0	0.40	17.80	1,029.8	-2.2	-11.7	11.7	0.34	0.32	-22.26
1,096.0	0.60	296.00	1,095.8	-1.8	-11.9	12.0	1.02	0.30	-123.94
1,159.0	0.80	306.90	1,158.8	-1.4	-12.6	12.6	0.38	0.32	17.30
1,223.0	1.00	327.10	1,222.8	-0.7	-13.2	13.2	0.58	0.31	31.56



Microsoft Survey Report



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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)
1,286.0	0.40	271.90	1,285.8	-0.2	-13.7	13.7	1.33	-0.95	-87.62
1,350.0	1.20	194.30	1,349.8	-0.9	-14.1	14.2	1.84	1.25	-121.25
1,413.0	1.50	174.00	1,412.8	-2.3	-14.2	14.3	0.89	0.48	-32.22
1,477.0	1.60	138.60	1,476.8	-3.8	-13.5	13.6	1.48	0.16	-55.31
1,540.0	1.50	137.40	1,539.7	-5.1	-12.4	12.5	0.17	-0.16	-1.90
1,604.0	1.90	141.00	1,603.7	-6.5	-11.2	11.3	0.65	0.63	5.63
1,667.0	1.20	95.90	1,666.7	-7.4	-9.8	10.0	2.15	-1.11	-71.59
1,730.0	1.90	51.50	1,729.7	-6.8	-8.4	8.6	2.12	1.11	-70.48
1,794.0	1.50	76.60	1,793.6	-6.0	-6.7	6.9	1.31	-0.63	39.22
1,857.0	1.10	176.50	1,856.6	-6.4	-5.9	6.1	3.19	-0.63	158.57
1,921.0	1.80	206.70	1,920.6	-7.9	-6.3	6.5	1.58	1.09	47.19
1,984.0	1.10	225.40	1,983.6	-9.2	-7.2	7.4	1.33	-1.11	29.68
2,048.0	0.20	280.20	2,047.6	-9.6	-7.7	8.0	1.56	-1.41	85.63
2,181.0	0.50	16.50	2,180.6	-9.0	-7.8	8.0	0.42	0.23	72.41
2,274.0	0.60	356.90	2,273.6	-8.1	-7.7	7.9	0.23	0.11	-21.08
2,367.0	0.60	336.70	2,366.6	-7.2	-7.9	8.1	0.23	0.00	-21.72
2,461.0	1.10	76.30	2,460.6	-6.5	-7.2	7.4	1.42	0.53	105.96
2,554.0	1.20	92.60	2,553.5	-6.4	-5.4	5.6	0.37	0.11	17.53
2,648.0	1.20	134.40	2,647.5	-7.1	-3.7	3.9	0.91	0.00	44.47
2,741.0	1.90	148.80	2,740.5	-9.1	-2.2	2.5	0.86	0.75	15.48
2,835.0	0.70	115.10	2,834.5	-10.7	-0.9	1.2	1.46	-1.28	-35.85
2,929.0	1.10	58.20	2,928.5	-10.4	0.4	-0.1	0.99	0.43	-60.53
3,022.0	1.60	72.70	3,021.4	-9.6	2.4	-2.1	0.65	0.54	15.59
3,116.0	0.90	310.30	3,115.4	-8.7	3.1	-2.8	2.36	-0.74	-130.21
3,209.0	1.80	287.40	3,208.4	-7.8	1.1	-0.9	1.11	0.97	-24.62
3,302.0	0.90	276.00	3,301.4	-7.3	-1.0	1.2	1.01	-0.97	-12.26
3,396.0	0.40	253.50	3,395.4	-7.3	-2.0	2.2	0.59	-0.53	-23.94
3,489.0	0.60	233.10	3,488.4	-7.7	-2.7	2.9	0.28	0.22	-21.94
3,583.0	0.50	245.30	3,582.4	-8.2	-3.5	3.7	0.16	-0.11	12.98
3,676.0	0.50	216.40	3,675.3	-8.7	-4.1	4.3	0.27	0.00	-31.08
3,769.0	0.60	219.90	3,768.3	-9.4	-4.7	4.9	0.11	0.11	3.76
3,863.0	0.50	251.80	3,862.3	-9.9	-5.4	5.6	0.34	-0.11	33.94
3,956.0	0.60	223.30	3,955.3	-10.4	-6.1	6.4	0.31	0.11	-30.65
4,049.0	0.60	240.30	4,048.3	-10.9	-6.8	7.1	0.19	0.00	18.28
4,143.0	0.70	244.40	4,142.3	-11.4	-7.8	8.1	0.12	0.11	4.36
4,239.0	1.00	249.40	4,238.3	-12.0	-9.1	9.4	0.32	0.31	5.21
4,333.0	0.60	171.80	4,332.3	-12.8	-9.8	10.1	1.12	-0.43	-82.55
4,426.0	0.40	119.10	4,425.3	-13.4	-9.4	9.8	0.51	-0.22	-56.67
4,519.0	0.40	104.60	4,518.3	-13.6	-8.8	9.2	0.11	0.00	-15.59
4,613.0	0.00	181.60	4,612.3	-13.7	-8.5	8.9	0.43	-0.43	0.00
4,706.0	0.70	129.20	4,705.3	-14.1	-8.1	8.5	0.75	0.75	0.00
4,799.0	0.50	122.50	4,798.3	-14.7	-7.3	7.7	0.23	-0.22	-7.20
4,893.0	0.70	112.40	4,892.3	-15.1	-6.4	6.8	0.24	0.21	-10.74
4,986.0	1.00	118.70	4,985.3	-15.7	-5.2	5.6	0.34	0.32	6.77

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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)
5,080.0	0.80	118.10	5,079.3	-16.4	-3.9	4.3	0.21	-0.21	-0.64
5,173.0	0.50	114.40	5,172.3	-16.9	-3.0	3.4	0.33	-0.32	-3.98
5,267.0	0.50	114.50	5,266.3	-17.2	-2.2	2.7	0.00	0.00	0.11
5,360.0	1.20	160.10	5,359.2	-18.3	-1.5	2.0	0.99	0.75	49.03
5,454.0	0.60	210.60	5,453.2	-19.7	-1.4	2.0	1.00	-0.64	53.72
5,547.0	1.00	202.80	5,546.2	-20.8	-2.0	2.6	0.44	0.43	-8.39
5,641.0	0.40	245.40	5,640.2	-21.7	-2.6	3.2	0.80	-0.64	45.32
5,734.0	0.40	59.50	5,733.2	-21.7	-2.6	3.2	0.86	0.00	187.20
5,828.0	0.60	32.10	5,827.2	-21.1	-2.1	2.7	0.33	0.21	-29.15
5,921.0	0.40	85.50	5,920.2	-20.7	-1.5	2.1	0.52	-0.22	57.42
6,015.0	0.60	109.80	6,014.2	-20.8	-0.7	1.3	0.31	0.21	25.85
6,108.0	0.20	357.10	6,107.2	-20.8	-0.2	0.8	0.75	-0.43	-121.18
6,202.0	0.40	279.20	6,201.2	-20.6	-0.6	1.1	0.43	0.21	-82.87
6,295.0	0.20	98.50	6,294.2	-20.6	-0.7	1.3	0.65	-0.22	192.80
6,389.0	0.10	121.70	6,388.2	-20.6	-0.5	1.1	0.12	-0.11	24.68
6,482.0	0.50	186.50	6,481.2	-21.1	-0.5	1.1	0.50	0.43	69.68
6,575.0	1.10	177.40	6,574.2	-22.4	-0.5	1.1	0.66	0.65	-9.78
6,669.0	0.40	190.60	6,668.2	-23.6	-0.5	1.2	0.76	-0.74	14.04
6,762.0	0.10	287.10	6,761.2	-23.9	-0.6	1.3	0.46	-0.32	103.76
6,856.0	0.70	322.40	6,855.2	-23.4	-1.1	1.7	0.66	0.64	37.55
6,949.0	1.50	295.50	6,948.2	-22.4	-2.5	3.1	1.00	0.86	-28.92
7,043.0	2.40	291.50	7,042.1	-21.2	-5.5	6.0	0.97	0.96	-4.26
7,136.0	3.00	306.80	7,135.0	-19.0	-9.2	9.7	1.00	0.65	16.45
7,230.0	3.20	322.50	7,228.9	-15.5	-12.8	13.2	0.92	0.21	16.70
7,323.0	2.00	338.80	7,321.8	-11.9	-15.0	15.3	1.50	-1.29	17.53
7,417.0	0.70	65.00	7,415.8	-10.1	-15.0	15.3	2.21	-1.38	91.70
7,510.0	0.30	324.40	7,508.8	-9.7	-14.7	14.9	0.87	-0.43	-108.17
7,604.0	0.40	266.70	7,602.7	-9.5	-15.1	15.4	0.37	0.11	-61.38
7,697.0	1.70	308.20	7,695.7	-8.7	-16.5	16.8	1.53	1.40	44.62
7,791.0	2.20	298.80	7,789.7	-6.9	-19.2	19.4	0.63	0.53	-10.00
7,884.0	0.40	233.40	7,882.7	-6.3	-21.0	21.2	2.22	-1.94	-70.32
7,978.0	1.00	117.70	7,976.6	-6.8	-20.6	20.8	1.31	0.64	-123.09
8,071.0	1.00	138.00	8,069.6	-7.8	-19.3	19.5	0.38	0.00	21.83
8,165.0	1.10	166.10	8,163.6	-9.3	-18.5	18.8	0.55	0.11	29.89
8,259.0	1.00	299.60	8,257.6	-9.8	-19.0	19.3	2.05	-0.11	142.02
8,352.0	2.30	340.20	8,350.6	-7.6	-20.4	20.6	1.80	1.40	43.66
8,446.0	1.90	307.90	8,444.5	-4.9	-22.3	22.4	1.31	-0.43	-34.36
8,539.0	1.50	271.70	8,537.5	-3.9	-24.7	24.8	1.21	-0.43	-38.92
8,633.0	0.20	183.80	8,631.5	-4.0	-25.9	26.0	1.60	-1.38	-93.51
8,726.0	1.20	100.30	8,724.5	-4.4	-25.0	25.1	1.28	1.08	-89.78
8,820.0	0.70	114.20	8,818.4	-4.8	-23.5	23.6	0.58	-0.53	14.79
8,913.0	0.30	165.00	8,911.4	-5.2	-22.9	23.0	0.60	-0.43	54.62
9,007.0	0.90	123.90	9,005.4	-5.9	-22.2	22.4	0.75	0.64	-43.72

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9,100.0	1.00	234.90	9,098.4	-6.8	-22.3	22.5	1.68	0.11	119.35
9,194.0	1.30	354.00	9,192.4	-6.2	-23.1	23.2	2.12	0.32	126.70
9,287.0	0.80	3.20	9,285.4	-4.5	-23.1	23.3	0.57	-0.54	9.89
9,380.0	0.30	292.80	9,378.4	-3.7	-23.3	23.4	0.81	-0.54	-75.70
9,474.0	0.10	336.50	9,472.4	-3.6	-23.6	23.7	0.25	-0.21	46.49
9,568.0	0.40	236.80	9,566.4	-3.7	-23.9	24.0	0.46	0.32	-106.06
9,661.0	1.20	240.70	9,659.4	-4.3	-25.0	25.1	0.86	0.86	4.19
9,755.0	0.20	260.30	9,753.4	-4.8	-26.0	26.2	1.08	-1.06	20.85
9,848.0	0.30	187.00	9,846.4	-5.1	-26.2	26.4	0.33	0.11	-78.82
9,942.0	0.60	206.00	9,940.4	-5.8	-26.5	26.6	0.35	0.32	20.21
10,035.0	0.90	201.70	10,033.4	-6.9	-27.0	27.1	0.33	0.32	-4.62
10,128.0	1.10	208.60	10,126.4	-8.4	-27.7	27.9	0.25	0.22	7.42
10,222.0	0.30	241.60	10,220.3	-9.3	-28.3	28.5	0.92	-0.85	35.11
10,316.0	0.40	338.70	10,314.3	-9.1	-28.6	28.9	0.56	0.11	103.30
10,409.0	1.10	346.20	10,407.3	-7.9	-29.0	29.2	0.76	0.75	8.06
10,503.0	0.70	323.80	10,501.3	-6.6	-29.5	29.7	0.56	-0.43	-23.83
10,597.0	1.30	292.30	10,595.3	-5.7	-30.8	31.0	0.84	0.64	-33.51
10,691.0	1.50	267.50	10,689.3	-5.4	-33.1	33.2	0.67	0.21	-26.38
10,748.0	2.30	310.40	10,746.3	-4.7	-34.7	34.8	2.77	1.40	75.26
10,779.0	5.70	345.80	10,777.2	-2.8	-35.5	35.6	13.06	10.97	114.19
10,811.0	9.30	350.90	10,808.9	1.3	-36.3	36.3	11.43	11.25	15.94
10,842.0	12.80	353.00	10,839.3	7.2	-37.1	36.9	11.36	11.29	6.77
10,873.0	13.90	0.00	10,869.5	14.3	-37.6	37.2	6.30	3.55	22.58
10,904.0	15.70	0.50	10,899.5	22.3	-37.5	36.9	5.82	5.81	1.61
10,936.0	18.70	358.60	10,930.0	31.7	-37.6	36.7	9.54	9.38	-5.94
10,967.0	22.60	355.30	10,959.0	42.6	-38.2	37.0	13.12	12.58	-10.65
10,998.0	26.20	355.40	10,987.3	55.4	-39.3	37.7	11.61	11.61	0.32
11,029.0	28.90	356.50	11,014.7	69.7	-40.3	38.3	8.86	8.71	3.55
11,060.0	32.20	357.60	11,041.4	85.4	-41.1	38.7	10.80	10.65	3.55
11,091.0	34.20	359.10	11,067.4	102.4	-41.6	38.7	6.97	6.45	4.84
11,123.0	35.00	1.60	11,093.7	120.6	-41.4	38.1	5.09	2.50	7.81
11,154.0	36.70	359.10	11,118.8	138.7	-41.3	37.5	7.24	5.48	-8.06
11,185.0	39.40	1.40	11,143.2	157.8	-41.2	36.9	9.84	8.71	7.42
11,217.0	43.10	1.90	11,167.3	178.9	-40.6	35.7	11.61	11.56	1.56
11,248.0	45.80	4.70	11,189.4	200.6	-39.4	33.8	10.76	8.71	9.03
11,279.0	49.00	6.20	11,210.4	223.3	-37.2	31.0	10.92	10.32	4.84
11,310.0	52.30	7.00	11,230.1	247.1	-34.4	27.6	10.83	10.65	2.58
11,341.0	57.10	7.00	11,248.0	272.2	-31.4	23.8	15.48	15.48	0.00
11,372.0	61.90	6.50	11,263.7	298.7	-28.2	20.0	15.55	15.48	-1.61
11,403.0	65.80	6.20	11,277.4	326.4	-25.1	16.1	12.61	12.58	-0.97
11,414.0	67.60	6.20	11,281.7	336.4	-24.1	14.7	16.36	16.36	0.00
11,449.0	73.20	5.30	11,293.4	369.2	-20.8	10.5	16.18	16.00	-2.57
11,481.0	73.40	5.60	11,302.6	399.7	-17.8	6.8	1.09	0.63	0.94

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Fuller 14-11 W2HA Fed #3H
Project:	Eddy County, N.M. Nad (83)	TVD Reference:	2949 + 27 @ 2976.0usft (Patterson # 250)
Site:	Section 14-11- 26S-29E Fuller 14-11 W2HA 3H	MD Reference:	2949 + 27 @ 2976.0usft (Patterson # 250)
Well:	Fuller 14-11 W2HA Fed #3H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Stryker_EDM

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)
11,512.0	73.60	4.80	11,311.4	429.3	-15.1	3.3	2.56	0.65	-2.58
11,543.0	75.30	2.60	11,319.8	459.1	-13.2	0.5	8.76	5.48	-7.10
11,574.0	77.80	1.80	11,327.0	489.2	-12.1	-1.5	8.45	8.06	-2.58
11,605.0	82.60	1.10	11,332.2	519.8	-11.3	-3.1	15.64	15.48	-2.26
11,636.0	86.40	2.10	11,335.2	550.6	-10.4	-4.8	12.67	12.26	3.23
11,654.8	88.86	2.45	11,336.0	569.3	-9.7	-6.0	13.26	13.12	1.88
LP Fuller 14-11 W2HA Fed 3H									
11,668.0	90.60	2.70	11,336.1	582.6	-9.1	-7.0	13.26	13.13	1.87
11,699.0	91.30	2.10	11,335.5	613.5	-7.8	-9.2	2.97	2.26	-1.94
11,761.0	91.70	3.00	11,333.9	675.4	-5.0	-13.6	1.59	0.65	1.45
11,854.0	88.80	1.40	11,333.5	768.4	-1.5	-19.8	3.56	-3.12	-1.72
11,948.0	89.80	1.10	11,334.7	862.3	0.6	-24.4	1.11	1.06	-0.32
12,041.0	89.10	358.40	11,335.6	955.3	0.2	-26.6	3.00	-0.75	-2.90
12,135.0	89.30	359.00	11,336.9	1,049.3	-2.0	-27.0	0.67	0.21	0.64
12,228.0	92.00	1.20	11,335.8	1,142.3	-1.8	-29.8	3.74	2.90	2.37
12,322.0	90.90	3.40	11,333.4	1,236.1	2.0	-36.1	2.62	-1.17	2.34
12,415.0	88.90	1.40	11,333.6	1,329.1	5.9	-42.6	3.04	-2.15	-2.15
12,508.0	90.30	358.20	11,334.2	1,422.0	5.5	-44.8	3.76	1.51	-3.44
12,602.0	88.70	2.00	11,335.1	1,516.0	5.7	-47.6	4.39	-1.70	4.04
12,695.0	88.20	3.80	11,337.6	1,608.9	10.4	-54.9	2.01	-0.54	1.94
12,726.0	88.10	2.40	11,338.6	1,639.8	12.1	-57.4	4.53	-0.32	-4.52
12,757.0	91.30	1.30	11,338.7	1,670.8	13.1	-59.2	10.92	10.32	-3.55
12,788.0	93.40	359.60	11,337.5	1,701.7	13.3	-60.3	8.71	6.77	-5.48
12,819.0	94.50	359.30	11,335.3	1,732.7	13.0	-60.9	3.68	3.55	-0.97
12,851.0	89.90	357.70	11,334.1	1,764.6	12.2	-60.9	15.22	-14.38	-5.00
12,882.0	88.40	356.60	11,334.6	1,795.6	10.7	-60.3	6.00	-4.84	-3.55
12,913.0	90.00	356.80	11,335.0	1,826.5	8.9	-59.3	5.20	5.16	0.65
12,944.0	90.40	356.20	11,334.9	1,857.5	7.0	-58.3	2.33	1.29	-1.94
12,975.0	88.40	353.10	11,335.2	1,888.3	4.1	-56.3	11.90	-6.45	-10.00
13,007.0	90.50	350.60	11,335.5	1,920.0	-0.4	-52.6	10.20	6.56	-7.81
13,038.0	89.50	348.20	11,335.5	1,950.5	-6.1	-47.7	8.39	-3.23	-7.74
13,069.0	91.90	350.20	11,335.1	1,980.9	-12.0	-42.8	10.08	7.74	6.45
13,100.0	89.40	353.90	11,334.8	2,011.6	-16.2	-39.3	14.40	-8.06	11.94
13,131.0	89.20	356.10	11,335.2	2,042.5	-18.9	-37.5	7.13	-0.65	7.10
13,162.0	89.70	358.40	11,335.5	2,073.4	-20.4	-36.9	7.59	1.61	7.42
13,193.0	89.60	1.30	11,335.7	2,104.4	-20.5	-37.6	9.36	-0.32	9.35
13,225.0	89.50	3.90	11,335.9	2,136.4	-19.1	-40.0	8.13	-0.31	8.13
13,256.0	89.50	5.10	11,336.2	2,167.3	-16.6	-43.2	3.87	0.00	3.87
13,287.0	88.80	6.80	11,336.6	2,198.1	-13.4	-47.3	5.93	-2.26	5.48
13,318.0	90.20	6.80	11,336.9	2,228.9	-9.7	-51.8	4.52	4.52	0.00
13,349.0	89.90	8.40	11,336.9	2,259.6	-5.6	-56.8	5.25	-0.97	5.16
13,380.0	89.80	10.00	11,337.0	2,290.2	-0.7	-62.6	5.17	-0.32	5.16
13,412.0	89.50	8.90	11,337.2	2,321.8	4.6	-68.7	3.56	-0.94	-3.44
13,443.0	90.30	6.40	11,337.2	2,352.5	8.7	-73.7	8.47	2.58	-8.06

Company: Mewbourne Oil Company
Project: Eddy County, N.M. Nad (83)
Site: Section 14-11- 26S-29E Fuller 14-11 W2HA 3H
Well: Fuller 14-11 W2HA Fed #3H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Fuller 14-11 W2HA Fed #3H
TVD Reference: 2949 + 27 @ 2976.0usft (Patterson # 250)
MD Reference: 2949 + 27 @ 2976.0usft (Patterson # 250)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Stryker_EDM

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)
13,474.0	89.10	6.30	11,337.4	2,383.3	12.1	-78.0	3.88	-3.87	-0.32
13,505.0	90.10	6.40	11,337.6	2,414.1	15.5	-82.2	3.24	3.23	0.32
13,536.0	89.30	7.20	11,337.8	2,444.9	19.2	-86.8	3.65	-2.58	2.58
13,630.0	90.40	5.50	11,338.0	2,538.3	29.6	-99.7	2.15	1.17	-1.81
13,723.0	91.10	8.10	11,336.8	2,630.7	40.6	-113.3	2.90	0.75	2.80
13,816.0	89.20	1.90	11,336.5	2,723.3	48.7	-123.9	6.97	-2.04	-6.67
13,909.0	89.90	3.90	11,337.3	2,816.1	53.4	-131.2	2.28	0.75	2.15
14,002.0	90.20	356.90	11,337.2	2,909.1	54.1	-134.4	7.53	0.32	-7.53
14,096.0	88.20	1.40	11,338.5	3,003.0	52.7	-135.6	5.24	-2.13	4.79
14,189.0	89.90	356.40	11,340.0	3,096.0	50.9	-136.4	5.68	1.83	-5.38
14,283.0	89.50	357.60	11,340.5	3,189.8	46.0	-134.1	1.35	-0.43	1.28
14,376.0	89.00	356.90	11,341.8	3,282.7	41.5	-132.2	0.92	-0.54	-0.75
14,470.0	89.30	353.00	11,343.1	3,376.3	33.2	-126.5	4.16	0.32	-4.15
14,563.0	90.20	352.10	11,343.6	3,468.5	21.2	-117.0	1.37	0.97	-0.97
14,657.0	92.10	352.10	11,341.7	3,561.6	8.3	-106.7	2.02	2.02	0.00
14,750.0	93.00	351.00	11,337.5	3,653.5	-5.4	-95.5	1.53	0.97	-1.18
14,843.0	87.90	353.50	11,336.8	3,745.6	-17.9	-85.6	6.11	-5.48	2.69
14,937.0	93.20	0.80	11,335.9	3,839.4	-22.6	-83.5	9.59	5.64	7.77
15,030.0	91.20	359.80	11,332.3	3,932.3	-22.1	-86.5	2.40	-2.15	-1.08
15,124.0	91.90	0.50	11,329.8	4,026.3	-21.9	-89.4	1.05	0.74	0.74
15,217.0	91.90	1.00	11,326.7	4,119.2	-20.6	-93.2	0.54	0.00	0.54
15,311.0	89.60	0.50	11,325.5	4,213.2	-19.4	-97.0	2.50	-2.45	-0.53
15,404.0	89.30	1.70	11,326.4	4,306.2	-17.6	-101.3	1.33	-0.32	1.29
15,497.0	88.30	0.40	11,328.3	4,399.2	-15.9	-105.6	1.76	-1.08	-1.40
15,591.0	88.60	2.20	11,330.9	4,493.1	-13.8	-110.3	1.94	0.32	1.91
15,685.0	90.30	2.70	11,331.8	4,587.0	-9.8	-116.9	1.89	1.81	0.53
15,778.0	89.60	2.50	11,331.8	4,679.9	-5.6	-123.7	0.78	-0.75	-0.22
15,872.0	88.70	4.80	11,333.2	4,773.7	0.4	-132.3	2.63	-0.96	2.45
15,965.0	89.10	5.80	11,335.0	4,866.3	9.0	-143.4	1.16	0.43	1.08
16,061.0	88.90	8.60	11,336.7	4,961.5	21.0	-158.1	2.92	-0.21	2.92
16,155.0	88.40	2.40	11,338.9	5,055.0	30.1	-169.7	6.62	-0.53	-6.60
16,248.0	89.70	2.30	11,340.5	5,147.9	33.9	-176.1	1.40	1.40	-0.11
16,342.0	90.00	2.80	11,340.7	5,241.8	38.0	-182.8	0.62	0.32	0.53
16,435.0	88.80	358.60	11,341.7	5,334.8	39.2	-186.5	4.70	-1.29	-4.52
16,529.0	89.50	359.80	11,343.1	5,428.8	37.9	-187.8	1.48	0.74	1.28
16,622.0	89.60	0.60	11,343.8	5,521.7	38.2	-190.7	0.87	0.11	0.86
16,716.0	89.70	3.00	11,344.4	5,615.7	41.1	-196.3	2.56	0.11	2.55
16,778.0	89.30	3.80	11,344.9	5,677.6	44.8	-201.7	1.44	-0.65	1.29
16,809.0	88.60	2.80	11,345.5	5,708.5	46.6	-204.3	3.94	-2.26	-3.23
16,905.0	85.40	0.80	11,350.5	5,804.3	49.6	-209.9	3.93	-3.33	-2.08
17,000.0	89.70	356.80	11,354.6	5,899.2	47.6	-210.6	6.18	4.53	-4.21
17,095.0	88.70	356.20	11,355.9	5,994.0	41.8	-207.4	1.23	-1.05	-0.63
17,190.0	88.50	356.30	11,358.2	6,088.8	35.6	-203.8	0.24	-0.21	0.11

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Fuller 14-11 W2HA Fed #3H
Project:	Eddy County, N.M. Nad (83)	TVD Reference:	2949 + 27 @ 2976.0usft (Patterson # 250)
Site:	Section 14-11- 26S-29E Fuller 14-11 W2HA 3H	MD Reference:	2949 + 27 @ 2976.0usft (Patterson # 250)
Well:	Fuller 14-11 W2HA Fed #3H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Stryker_EDM

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)
17,285.0	90.90	0.50	11,358.7	6,183.7	33.0	-203.8	5.09	2.53	4.42
17,381.0	89.90	357.50	11,358.0	6,279.7	31.3	-204.8	3.29	-1.04	-3.13
17,476.0	91.40	359.50	11,357.0	6,374.6	28.8	-204.9	2.63	1.58	2.11
17,570.0	86.00	356.60	11,359.1	6,468.5	25.6	-204.3	6.52	-5.74	-3.09
17,665.0	87.80	355.20	11,364.2	6,563.1	18.8	-200.1	2.40	1.89	-1.47
17,760.0	89.60	356.70	11,366.4	6,657.8	12.1	-196.0	2.47	1.89	1.58
17,856.0	92.30	358.70	11,364.8	6,753.7	8.3	-194.8	3.50	2.81	2.08
17,950.0	88.70	359.00	11,364.0	6,847.7	6.4	-195.5	3.84	-3.83	0.32
18,046.0	92.70	1.70	11,362.8	6,943.7	7.0	-198.8	5.03	4.17	2.81
18,141.0	91.00	0.50	11,359.7	7,038.6	8.8	-203.2	2.19	-1.79	-1.26
18,236.0	90.80	358.30	11,358.2	7,133.6	7.8	-204.9	2.33	-0.21	-2.32
18,331.0	90.80	357.10	11,356.9	7,228.5	4.0	-203.7	1.26	0.00	-1.26
18,426.0	88.60	355.20	11,357.4	7,323.2	-2.4	-199.9	3.06	-2.32	-2.00
18,521.0	88.90	352.30	11,359.5	7,417.7	-12.7	-192.2	3.07	0.32	-3.05
18,614.0	90.20	351.80	11,360.2	7,509.8	-25.6	-181.9	1.50	1.40	-0.54
18,665.0	90.20	351.80	11,360.0	7,560.2	-32.9	-176.0	0.00	0.00	0.00

18665' MD Projected to Bit - PBHL Fuller 14-11 W2HA Fed 3H

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
18,665.0	11,360.0	7,560.2	-32.9	18665' MD Projected to Bit



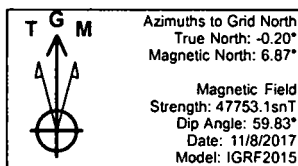
COMPANY: Mewbourne Oil Company
 WELL: Fuller 14-11 W2HA Fed #3H
 COUNTY: Eddy County, N.M. Nad (83)
 DATUM: North American Datum 1983
 RIG: Patterson # 250



OFFICE: 936.582.7296

GRID CORRECTION: To convert a Magnetic Direction to a Grid Direction, Add 6.87°

GEODETIC ZONE: New Mexico Eastern Zone										
2949 + 27 @ 2976.0usft (Patterson # 250)										
GROUND ELEVATION: 2949.0										
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot				
0.0	0.0	379385.90	661056.20	32° 2' 32.723 N	103° 56' 49.029 W					
PLAN SECTIONS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	10748.0	0.00	0.00	10748.0	0.0	0.0	0.00	0.00	0.0	
3	11644.5	89.65	359.93	11321.0	569.4	-0.7	10.00	359.93	569.4	
4	18639.9	89.65	359.93	11364.0	7564.7	-9.7	0.00	0.00	7564.7	PBHL Fuller 14-11 W2HA Fed 3H



SHL: 2500' FNL: 470' FEL
 Section 14-26S-29E
 PBHL: 330' FNL: 440' FEL
 Section 11-26S-29E

