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Mewbourne Oil Company

DISTRICT II-ARTESIA O.C.D.

Eddy County, N.M. Nad (83)

Section 14-11-26S-29E Fuller 14-11W1HA Fed 2H

Fuller 14-11W1HA Fed #2H

30-005-44450

Original Hole

Design: Original Hole

Standard Survey Report

15 March, 2018





Microsoft Survey Report



Company: Mewbourne Oil Company
Project: Eddy County, N.M. Nad (83)
Site: Section 14-11-26S-29E Fuller 14-11 W1HA Fed 2H
Well: Fuller 14-11 W1HA Fed #2H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Fuller 14-11 W1HA Fed #2H
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
Geo Datum:	North American Datum 1983
Map Zone:	New Mexico Eastern Zone
System Datum:	Mean Sea Level

Site Section 14-11-26S-29E Fuller 14-11 W1HA Fed 2H

Site Position:	Northing: 379,386.20 usft	Latitude: 32° 2' 32.727 N
From: Map	Easting: 661,021.20 usft	Longitude: 103° 56' 49.435 W
Position Uncertainty: 0.0 usft	Slot Radius: 13-3/16 "	Grid Convergence: 0.20 °

Well Fuller 14-11 W1HA Fed #2H

Well Position	+N/-S 0.0 usft	Northing: 379,386.20 usft	Latitude: 32° 2' 32.727 N
	+E/-W 0.0 usft	Easting: 661,021.20 usft	Longitude: 103° 56' 49.435 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	47,753.06453300

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	0.11

Survey Program Date 3/15/2018

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
565.0	17,765.0	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)
565.0	1.18	113.40	564.9	4.9	3.0	4.9	0.00	0.00	0.00
565.1	1.18	113.40	565.0	4.9	3.0	4.9	0.00	0.00	0.00
565' MD Phoenix Gyro									
687.0	1.20	134.30	686.9	3.5	5.0	3.5	0.35	0.02	17.15
749.0	1.40	132.10	748.9	2.5	6.1	2.5	0.33	0.32	-3.55
809.0	0.20	82.40	808.9	2.0	6.7	2.1	2.13	-2.00	-82.83
871.0	0.90	332.20	870.9	2.5	6.6	2.5	1.59	1.13	-177.74
932.0	0.90	338.50	931.9	3.4	6.2	3.4	0.16	0.00	10.33
994.0	0.90	331.50	993.9	4.2	5.8	4.2	0.18	0.00	-11.29
1,024.0	0.90	326.70	1,023.9	4.6	5.6	4.7	0.25	0.00	-16.00

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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)
1,090.0	0.90	325.30	1,089.9	5.5	5.0	5.5	0.03	0.00	-2.12
1,154.0	1.50	311.80	1,153.8	6.5	4.1	6.5	1.03	0.94	-21.09
1,217.0	0.70	264.10	1,216.8	7.0	3.1	7.0	1.83	-1.27	-75.71
1,281.0	1.30	189.00	1,280.8	6.2	2.6	6.2	2.04	0.94	-117.34
1,345.0	1.30	196.90	1,344.8	4.8	2.2	4.8	0.28	0.00	12.34
1,408.0	1.30	197.80	1,407.8	3.4	1.8	3.5	0.03	0.00	1.43
1,472.0	1.20	205.50	1,471.8	2.2	1.3	2.2	0.31	-0.16	12.03
1,535.0	1.10	199.70	1,534.8	1.0	0.8	1.0	0.24	-0.16	-9.21
1,599.0	1.10	193.00	1,598.8	-0.2	0.5	-0.2	0.20	0.00	-10.47
1,662.0	1.10	193.50	1,661.7	-1.4	0.2	-1.4	0.02	0.00	0.79
1,725.0	1.00	189.20	1,724.7	-2.5	0.0	-2.5	0.20	-0.16	-6.83
1,789.0	0.40	156.30	1,788.7	-3.3	0.0	-3.3	1.09	-0.94	-51.41
1,852.0	0.60	90.10	1,851.7	-3.5	0.4	-3.5	0.91	0.32	-105.08
1,916.0	0.70	80.90	1,915.7	-3.4	1.1	-3.4	0.23	0.16	-14.38
1,979.0	0.90	74.00	1,978.7	-3.2	2.0	-3.2	0.35	0.32	-10.95
2,074.0	1.10	73.90	2,073.7	-2.7	3.5	-2.7	0.21	0.21	-0.11
2,170.0	0.80	74.10	2,169.7	-2.3	5.1	-2.3	0.31	-0.31	0.21
2,264.0	0.70	69.70	2,263.7	-1.9	6.2	-1.9	0.12	-0.11	-4.68
2,357.0	0.40	75.30	2,356.7	-1.6	7.1	-1.6	0.33	-0.32	6.02
2,451.0	0.80	85.30	2,450.7	-1.5	8.1	-1.5	0.44	0.43	10.64
2,544.0	1.60	94.60	2,543.7	-1.6	10.0	-1.5	0.88	0.86	10.00
2,638.0	1.80	94.10	2,637.6	-1.8	12.8	-1.7	0.21	0.21	-0.53
2,731.0	0.50	73.00	2,730.6	-1.8	14.6	-1.7	1.45	-1.40	-22.69
2,825.0	0.60	79.50	2,824.6	-1.5	15.5	-1.5	0.13	0.11	6.91
2,918.0	1.30	96.60	2,917.6	-1.6	17.0	-1.5	0.80	0.75	18.39
3,012.0	1.10	237.10	3,011.6	-2.2	17.3	-2.2	2.40	-0.21	149.47
3,105.0	1.50	246.60	3,104.5	-3.2	15.5	-3.1	0.49	0.43	10.22
3,199.0	1.20	244.50	3,198.5	-4.1	13.5	-4.0	0.32	-0.32	-2.23
3,292.0	1.30	242.30	3,291.5	-5.0	11.6	-5.0	0.12	0.11	-2.37
3,386.0	1.20	245.70	3,385.5	-5.9	9.8	-5.9	0.13	-0.11	3.62
3,479.0	1.20	252.30	3,478.4	-6.6	8.0	-6.6	0.15	0.00	7.10
3,572.0	1.20	258.50	3,571.4	-7.1	6.1	-7.1	0.14	0.00	6.67
3,667.0	1.30	257.50	3,666.4	-7.5	4.1	-7.5	0.11	0.11	-1.05
3,760.0	1.40	252.30	3,759.4	-8.1	2.0	-8.1	0.17	0.11	-5.59
3,853.0	1.40	249.20	3,852.4	-8.8	-0.2	-8.8	0.08	0.00	-3.33
3,947.0	1.10	245.10	3,946.3	-9.6	-2.1	-9.6	0.33	-0.32	-4.36
4,040.0	0.90	238.90	4,039.3	-10.4	-3.5	-10.4	0.24	-0.22	-6.67
4,133.0	1.00	241.60	4,132.3	-11.1	-4.8	-11.1	0.12	0.11	2.90
4,235.0	1.00	234.90	4,234.3	-12.1	-6.4	-12.1	0.11	0.00	-6.57
4,329.0	0.90	225.10	4,328.3	-13.1	-7.6	-13.1	0.20	-0.11	-10.43
4,422.0	1.40	65.10	4,421.3	-13.1	-7.0	-13.1	2.44	0.54	-172.04
4,515.0	1.10	64.50	4,514.2	-12.2	-5.2	-12.2	0.32	-0.32	-0.65

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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)
4,609.0	1.20	57.30	4,608.2	-11.3	-3.6	-11.3	0.19	0.11	-7.66
4,702.0	1.20	59.40	4,701.2	-10.3	-1.9	-10.3	0.05	0.00	2.26
4,795.0	1.10	67.70	4,794.2	-9.4	-0.2	-9.5	0.21	-0.11	8.92
4,889.0	1.00	70.00	4,888.2	-8.8	1.4	-8.8	0.12	-0.11	2.45
4,982.0	0.90	63.00	4,981.2	-8.2	2.8	-8.2	0.16	-0.11	-7.53
5,076.0	1.30	58.50	5,075.1	-7.3	4.3	-7.3	0.44	0.43	-4.79
5,169.0	0.90	62.60	5,168.1	-6.4	5.9	-6.4	0.44	-0.43	4.41
5,263.0	0.90	74.60	5,262.1	-5.9	7.3	-5.9	0.20	0.00	12.77
5,356.0	0.70	87.00	5,355.1	-5.7	8.5	-5.7	0.28	-0.22	13.33
5,450.0	0.20	138.60	5,449.1	-5.8	9.2	-5.8	0.63	-0.53	54.89
5,543.0	0.40	144.70	5,542.1	-6.2	9.5	-6.1	0.22	0.22	6.56
5,637.0	0.80	138.20	5,636.1	-6.9	10.1	-6.9	0.43	0.43	-6.91
5,730.0	0.50	262.50	5,729.1	-7.5	10.2	-7.4	1.25	-0.32	133.66
5,823.0	0.60	267.60	5,822.1	-7.5	9.3	-7.5	0.12	0.11	5.48
5,917.0	0.40	253.10	5,916.1	-7.6	8.5	-7.6	0.25	-0.21	-15.43
6,011.0	0.30	239.20	6,010.1	-7.9	7.9	-7.8	0.14	-0.11	-14.79
6,104.0	0.40	187.00	6,103.1	-8.3	7.7	-8.3	0.34	0.11	-56.13
6,198.0	0.40	172.20	6,197.1	-9.0	7.7	-8.9	0.11	0.00	-15.74
6,291.0	0.50	148.60	6,290.1	-9.6	8.0	-9.6	0.22	0.11	-25.38
6,385.0	0.60	146.20	6,384.1	-10.4	8.4	-10.4	0.11	0.11	-2.55
6,478.0	0.90	168.90	6,477.1	-11.5	8.9	-11.5	0.45	0.32	24.41
6,571.0	0.60	213.10	6,570.1	-12.6	8.7	-12.6	0.68	-0.32	47.53
6,665.0	0.90	201.20	6,664.0	-13.7	8.2	-13.7	0.36	0.32	-12.66
6,758.0	1.00	199.90	6,757.0	-15.2	7.7	-15.2	0.11	0.11	-1.40
6,852.0	0.70	298.00	6,851.0	-15.7	6.9	-15.7	1.38	-0.32	104.36
6,945.0	0.80	326.30	6,944.0	-14.9	6.0	-14.9	0.41	0.11	30.43
7,039.0	1.50	317.20	7,038.0	-13.4	4.8	-13.4	0.77	0.74	-9.68
7,132.0	0.90	294.90	7,131.0	-12.2	3.3	-12.2	0.81	-0.65	-23.98
7,226.0	1.10	354.80	7,225.0	-11.0	2.6	-11.0	1.08	0.21	63.72
7,319.0	0.30	265.00	7,318.0	-10.1	2.2	-10.1	1.22	-0.86	-96.56
7,413.0	0.30	293.00	7,412.0	-10.1	1.8	-10.1	0.15	0.00	29.79
7,506.0	1.10	293.20	7,505.0	-9.6	0.7	-9.6	0.86	0.86	0.22
7,600.0	1.80	266.90	7,598.9	-9.3	-1.6	-9.4	1.01	0.74	-27.98
7,693.0	1.80	274.50	7,691.9	-9.3	-4.5	-9.3	0.26	0.00	8.17
7,787.0	2.40	277.10	7,785.8	-9.0	-7.9	-9.0	0.65	0.64	2.77
7,880.0	0.70	313.70	7,878.8	-8.3	-10.3	-8.3	2.03	-1.83	39.35
7,973.0	0.10	283.50	7,971.8	-7.9	-10.7	-7.9	0.66	-0.65	-32.47
8,067.0	0.30	182.90	8,065.8	-8.1	-10.8	-8.2	0.35	0.21	-107.02
8,161.0	0.90	248.40	8,159.8	-8.7	-11.5	-8.7	0.87	0.64	69.68
8,254.0	1.00	283.20	8,252.8	-8.7	-13.0	-8.8	0.62	0.11	37.42
8,348.0	2.30	286.20	8,346.7	-8.0	-15.6	-8.1	1.39	1.38	3.19
8,442.0	1.80	291.70	8,440.7	-7.0	-18.8	-7.0	0.57	-0.53	5.85
8,535.0	1.80	318.90	8,533.6	-5.3	-21.1	-5.4	0.91	0.00	29.25

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8,629.0	0.60	77.60	8,627.6	-4.1	-21.6	-4.1	2.29	-1.28	126.28
8,722.0	0.70	118.30	8,720.6	-4.3	-20.6	-4.3	0.50	0.11	43.76
8,816.0	0.40	152.20	8,814.6	-4.8	-20.0	-4.9	0.46	-0.32	36.06
8,909.0	0.50	199.00	8,907.6	-5.5	-20.0	-5.5	0.40	0.11	50.32
9,003.0	0.40	112.60	9,001.6	-6.0	-19.8	-6.0	0.66	-0.11	-91.91
9,096.0	0.20	177.50	9,094.6	-6.3	-19.5	-6.3	0.39	-0.22	69.78
9,190.0	0.20	14.80	9,188.6	-6.3	-19.4	-6.3	0.42	0.00	-173.09
9,283.0	0.20	356.50	9,281.6	-6.0	-19.4	-6.0	0.07	0.00	-19.68
9,376.0	0.40	286.70	9,374.6	-5.7	-19.7	-5.8	0.41	0.22	-75.05
9,430.0	0.30	281.80	9,428.6	-5.6	-20.0	-5.7	0.19	-0.19	-9.07
9,523.0	0.70	301.40	9,521.6	-5.3	-20.8	-5.3	0.46	0.43	21.08
9,617.0	1.50	296.60	9,615.6	-4.4	-22.4	-4.5	0.86	0.85	-5.11
9,711.0	1.10	299.50	9,709.5	-3.4	-24.2	-3.5	0.43	-0.43	3.09
9,804.0	1.30	300.90	9,802.5	-2.5	-25.9	-2.5	0.22	0.22	1.51
9,897.0	2.10	309.70	9,895.5	-0.8	-28.1	-0.9	0.90	0.86	9.46
9,928.0	5.10	343.30	9,926.4	0.8	-29.0	0.8	11.44	9.68	108.39
9,959.0	8.90	353.80	9,957.2	4.6	-29.6	4.5	12.88	12.26	33.87
9,990.0	12.70	358.40	9,987.6	10.3	-30.0	10.3	12.56	12.26	14.84
10,021.0	14.90	7.40	10,017.7	17.7	-29.6	17.6	9.90	7.10	29.03
10,052.0	17.70	5.80	10,047.5	26.3	-28.6	26.3	9.15	9.03	-5.16
10,084.0	20.70	6.00	10,077.7	36.8	-27.5	36.8	9.38	9.38	0.63
10,115.0	24.10	3.20	10,106.4	48.6	-26.6	48.5	11.49	10.97	-9.03
10,146.0	27.80	1.60	10,134.2	62.1	-26.0	62.1	12.15	11.94	-5.16
10,177.0	30.90	3.80	10,161.2	77.3	-25.3	77.3	10.59	10.00	7.10
10,208.0	34.30	5.80	10,187.4	93.9	-23.9	93.9	11.50	10.97	6.45
10,239.0	38.20	6.90	10,212.3	112.2	-21.8	112.1	12.75	12.58	3.55
10,271.0	41.70	8.00	10,236.9	132.5	-19.2	132.5	11.16	10.94	3.44
10,302.0	45.50	6.00	10,259.3	153.7	-16.6	153.7	13.04	12.26	-6.45
10,333.0	46.30	4.80	10,280.9	175.9	-14.5	175.9	3.79	2.58	-3.87
10,364.0	47.80	0.90	10,302.0	198.6	-13.4	198.5	10.40	4.84	-12.58
10,395.0	50.80	356.50	10,322.2	222.0	-13.9	222.0	14.47	9.68	-14.19
10,426.0	54.30	354.40	10,341.1	246.6	-15.9	246.5	12.50	11.29	-6.77
10,458.0	58.20	355.30	10,358.9	273.1	-18.3	273.0	12.41	12.19	2.81
10,461.1	58.61	355.59	10,360.5	275.7	-18.5	275.7	15.25	13.11	9.14
LP Fuller 14-11 W1HA Fed 2H									
10,477.0	60.70	357.00	10,368.5	289.4	-19.3	289.3	15.25	13.17	8.91
10,553.0	68.20	1.10	10,401.3	357.9	-20.4	357.8	11.00	9.87	5.39
10,584.0	72.60	0.60	10,411.7	387.1	-20.0	387.0	14.27	14.19	-1.61
10,615.0	75.20	359.80	10,420.3	416.8	-19.9	416.8	8.75	8.39	-2.58
10,646.0	77.10	359.20	10,427.7	446.9	-20.1	446.9	6.41	6.13	-1.94
10,678.0	79.20	359.00	10,434.3	478.3	-20.6	478.2	6.59	6.56	-0.63
10,708.0	82.70	358.60	10,439.0	507.9	-21.3	507.8	11.74	11.67	-1.33

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Fuller 14-11 W1HA Fed #2H
Project:	Eddy County, N.M. Nad (83)	TVD Reference:	2949 +27 @ 2976.0usft (Patterson #250)
Site:	Section 14-11-26S-29E Fuller 14-11 W1HA Fed 2H	MD Reference:	2949 +27 @ 2976.0usft (Patterson #250)
Well:	Fuller 14-11 W1HA Fed #2H	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)
10,739.0	84.80	358.70	10,442.4	538.7	-22.0	538.6	6.78	6.77	0.32
10,771.0	86.30	0.20	10,444.8	570.6	-22.3	570.5	6.62	4.69	4.69
10,801.0	87.60	0.10	10,446.4	600.5	-22.2	600.5	4.35	4.33	-0.33
10,833.0	89.30	0.40	10,447.3	632.5	-22.1	632.5	5.39	5.31	0.94
10,926.0	89.50	1.40	10,448.3	725.5	-20.6	725.5	1.10	0.22	1.08
11,020.0	88.80	2.40	10,449.7	819.4	-17.5	819.4	1.30	-0.74	1.06
11,113.0	89.50	0.60	10,451.1	912.4	-15.1	912.4	2.08	0.75	-1.94
11,206.0	89.80	0.60	10,451.6	1,005.4	-14.1	1,005.4	0.32	0.32	0.00
11,300.0	89.60	0.50	10,452.1	1,099.4	-13.2	1,099.4	0.24	-0.21	-0.11
11,393.0	89.50	0.90	10,452.8	1,192.4	-12.0	1,192.3	0.44	-0.11	0.43
11,487.0	89.60	0.10	10,453.6	1,286.4	-11.2	1,286.3	0.86	0.11	-0.85
11,580.0	87.90	358.20	10,455.6	1,379.3	-12.6	1,379.3	2.74	-1.83	-2.04
11,673.0	87.80	357.60	10,459.1	1,472.2	-16.0	1,472.2	0.65	-0.11	-0.65
11,767.0	91.50	358.60	10,459.7	1,566.1	-19.1	1,566.1	4.08	3.94	1.06
11,860.0	91.70	359.00	10,457.1	1,659.1	-21.1	1,659.0	0.48	0.22	0.43
11,954.0	89.50	0.30	10,456.1	1,753.1	-21.6	1,753.0	2.72	-2.34	1.38
12,047.0	88.90	359.50	10,457.4	1,846.0	-21.8	1,846.0	1.08	-0.65	-0.86
12,141.0	87.80	358.70	10,460.1	1,940.0	-23.3	1,939.9	1.45	-1.17	-0.85
12,234.0	89.10	0.40	10,462.6	2,032.9	-24.0	2,032.9	2.30	1.40	1.83
12,327.0	87.60	359.40	10,465.3	2,125.9	-24.2	2,125.9	1.94	-1.61	-1.08
12,421.0	94.20	0.10	10,463.8	2,219.8	-24.6	2,219.8	7.06	7.02	0.74
12,514.0	94.10	0.80	10,457.1	2,312.6	-23.9	2,312.5	0.76	-0.11	0.75
12,608.0	91.70	1.00	10,452.3	2,406.5	-22.4	2,406.4	2.56	-2.55	0.21
12,701.0	89.60	359.60	10,451.3	2,499.4	-21.9	2,499.4	2.71	-2.26	-1.51
12,795.0	87.30	359.80	10,453.8	2,593.4	-22.4	2,593.4	2.46	-2.45	0.21
12,888.0	86.30	1.70	10,459.0	2,686.2	-21.2	2,686.2	2.31	-1.08	2.04
12,981.0	89.40	1.30	10,462.5	2,779.1	-18.7	2,779.1	3.36	3.33	-0.43
13,075.0	89.50	1.40	10,463.4	2,873.1	-16.5	2,873.1	0.15	0.11	0.11
13,168.0	89.00	0.80	10,464.6	2,966.1	-14.7	2,966.0	0.84	-0.54	-0.65
13,262.0	88.80	0.70	10,466.4	3,060.0	-13.5	3,060.0	0.24	-0.21	-0.11
13,355.0	89.00	0.60	10,468.2	3,153.0	-12.5	3,153.0	0.24	0.22	-0.11
13,449.0	89.20	0.50	10,469.7	3,247.0	-11.6	3,247.0	0.24	0.21	-0.11
13,542.0	89.10	0.10	10,471.1	3,340.0	-11.1	3,340.0	0.44	-0.11	-0.43
13,635.0	90.50	0.50	10,471.4	3,433.0	-10.6	3,433.0	1.57	1.51	0.43
13,728.0	92.00	0.70	10,469.4	3,526.0	-9.6	3,525.9	1.63	1.61	0.22
13,821.0	93.20	0.20	10,465.1	3,618.9	-8.9	3,618.8	1.40	1.29	-0.54
13,915.0	90.40	358.90	10,462.2	3,712.8	-9.6	3,712.8	3.28	-2.98	-1.38
14,008.0	93.00	0.00	10,459.4	3,805.7	-10.5	3,805.7	3.04	2.80	1.18
14,102.0	92.90	359.90	10,454.6	3,899.6	-10.6	3,899.6	0.15	-0.11	-0.11
14,195.0	92.00	0.90	10,450.6	3,992.5	-9.9	3,992.5	1.45	-0.97	1.08
14,289.0	89.60	4.50	10,449.3	4,086.4	-5.5	4,086.4	4.60	-2.55	3.83
14,382.0	92.20	4.30	10,447.8	4,179.1	1.6	4,179.1	2.80	2.80	-0.22
14,476.0	85.90	1.20	10,449.4	4,272.9	6.1	4,272.9	7.47	-6.70	-3.30

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Fuller 14-11 W1HA Fed #2H
Project:	Eddy County, N.M. Nad (83)	TVD Reference:	2949 +27 @ 2976.0usft (Patterson #250)
Site:	Section 14-11-26S-29E Fuller 14-11 W1HA Fed 2H	MD Reference:	2949 +27 @ 2976.0usft (Patterson #250)
Well:	Fuller 14-11 W1HA Fed #2H	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)
14,569.0	92.00	1.20	10,451.1	4,365.8	8.1	4,365.9	6.56	6.56	0.00
14,663.0	85.80	359.00	10,452.9	4,459.8	8.2	4,459.8	7.00	-6.60	-2.34
14,756.0	87.20	359.80	10,458.6	4,552.6	7.3	4,552.6	1.73	1.51	0.86
14,850.0	87.30	359.80	10,463.1	4,646.5	6.9	4,646.5	0.11	0.11	0.00
14,943.0	88.60	359.10	10,466.4	4,739.4	6.1	4,739.4	1.59	1.40	-0.75
15,037.0	88.90	359.40	10,468.5	4,833.4	4.8	4,833.4	0.45	0.32	0.32
15,130.0	90.50	359.10	10,469.0	4,926.4	3.6	4,926.4	1.75	1.72	-0.32
15,223.0	90.30	359.00	10,468.3	5,019.4	2.1	5,019.4	0.24	-0.22	-0.11
15,317.0	89.80	357.70	10,468.2	5,113.3	-0.6	5,113.3	1.48	-0.53	-1.38
15,410.0	89.20	358.80	10,469.0	5,206.3	-3.5	5,206.3	1.35	-0.65	1.18
15,504.0	90.40	359.50	10,469.4	5,300.3	-4.9	5,300.2	1.48	1.28	0.74
15,597.0	91.50	359.80	10,467.8	5,393.2	-5.4	5,393.2	1.23	1.18	0.32
15,691.0	91.10	359.70	10,465.7	5,487.2	-5.9	5,487.2	0.44	-0.43	-0.11
15,784.0	90.80	359.40	10,464.2	5,580.2	-6.6	5,580.2	0.46	-0.32	-0.32
15,878.0	89.70	358.90	10,463.7	5,674.2	-8.0	5,674.2	1.29	-1.17	-0.53
15,971.0	90.20	358.30	10,463.8	5,767.2	-10.3	5,767.1	0.84	0.54	-0.65
16,065.0	91.30	359.10	10,462.6	5,861.1	-12.4	5,861.1	1.45	1.17	0.85
16,158.0	91.20	0.00	10,460.6	5,954.1	-13.1	5,954.1	0.97	-0.11	0.97
16,252.0	90.80	0.10	10,458.9	6,048.1	-13.0	6,048.0	0.44	-0.43	0.11
16,345.0	91.60	359.90	10,457.0	6,141.1	-13.0	6,141.0	0.89	0.86	-0.22
16,439.0	91.60	0.00	10,454.4	6,235.0	-13.1	6,235.0	0.11	0.00	0.11
16,532.0	88.40	0.70	10,454.4	6,328.0	-12.5	6,328.0	3.52	-3.44	0.75
16,628.0	89.30	1.70	10,456.3	6,424.0	-10.5	6,423.9	1.40	0.94	1.04
16,722.0	89.00	1.20	10,457.7	6,517.9	-8.2	6,517.9	0.62	-0.32	-0.53
16,818.0	88.60	1.50	10,459.7	6,613.9	-5.9	6,613.9	0.52	-0.42	0.31
16,913.0	88.00	2.90	10,462.5	6,708.8	-2.3	6,708.7	1.60	-0.63	1.47
17,008.0	87.20	1.70	10,466.5	6,803.6	1.6	6,803.6	1.52	-0.84	-1.26
17,103.0	88.00	1.00	10,470.5	6,898.5	3.8	6,898.5	1.12	0.84	-0.74
17,198.0	88.90	1.40	10,473.0	6,993.4	5.8	6,993.4	1.04	0.95	0.42
17,293.0	91.10	1.30	10,473.0	7,088.4	8.0	7,088.4	2.32	2.32	-0.11
17,388.0	91.70	1.40	10,470.7	7,183.3	10.3	7,183.4	0.64	0.63	0.11
17,483.0	91.30	0.50	10,468.2	7,278.3	11.8	7,278.3	1.04	-0.42	-0.95
17,578.0	92.00	0.20	10,465.5	7,373.3	12.4	7,373.3	0.80	0.74	-0.32
17,673.0	91.30	0.40	10,462.8	7,468.2	12.9	7,468.2	0.77	-0.74	0.21
17,708.0	90.90	1.00	10,462.1	7,503.2	13.3	7,503.2	2.06	-1.14	1.71
17,765.0	90.90	1.00	10,461.2	7,560.2	14.3	7,560.2	0.00	0.00	0.00

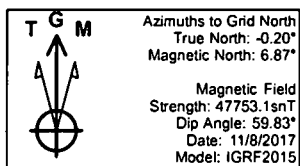
17765' MD Projected to Bit - PBHL Fuller 14-11 W1HA Fed 2H

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Fuller 14-11 W1HA Fed #2H
Project:	Eddy County, N.M. Nad (83)	TVD Reference:	2949 +27 @ 2976.0usft (Patterson #250)
Site:	Section 14-11-26S-29E Fuller 14-11 W1HA Fed 2H	MD Reference:	2949 +27 @ 2976.0usft (Patterson #250)
Well:	Fuller 14-11 W1HA Fed #2H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Stryker_EDM

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
565.1	565.0	4.9	3.0	565' MD Phoenix Gyro
17,765.0	10,461.2	7,560.2	14.3	17765' MD Projected to Bit

GEODETIC ZONE: New Mexico Eastern Zone										
2949 +27 @ 2976.0ush (Patterson #250)										
GROUND ELEVATION: 2949.0										
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot				
0.0	0.0	379386.20	661021.20	32° 2' 32.727 N	103° 56' 49.435 W					
PLAN SECTIONS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSeet	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	9880.0	0.00	0.00	9880.0	0.0	0.0	0.00	0.00	0.0	
3	10776.5	89.65	0.19	10453.0	569.4	1.9	10.00	0.19	569.4	
4	17771.7	89.65	0.19	10496.0	7564.4	25.3	0.00	0.00	7564.4	PBHL Fuller 14-11 W1HA Fed 2H



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

