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Mewbourne Oil Company

Eddy County, N.M. Nad (83)

Section 14-23-26S-29E Fuller 14-23 W1IP Fed 1H

Fuller 14-23 W1IP Fed 1H

30-015-44451

Original Hole

Design: Original Hole

Standard Survey Report

05 January, 2018





Microsoft Survey Report



Company: Mewbourne Oil Company
Project: Eddy County, N.M. Nad (83)
Site: Section 14-23-26S-29E Fuller 14-23 W1IP Fed 1H
Well: Fuller 14-23 W1IP Fed 1H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Fuller 14-23 W1IP Fed 1H
TVD Reference: 2952 + 27 @ 2979.0usft (Patterson 250)
MD Reference: 2952 + 27 @ 2979.0usft (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 14-23-26S-29E Fuller 14-23 W1IP Fed 1H

Site Position:	Northing:	379,385.80 usft	Latitude:	32° 2' 32.721 N
From: Map	Easting:	661,091.20 usft	Longitude:	103° 56' 48.622 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence: 0.21 °

Well Fuller 14-23 W1IP Fed 1H

Well Position	+N/-S	0.0 usft	Northing:	379,385.80 usft	Latitude:	32° 2' 32.721 N
	+E/-W	0.0 usft	Easting:	661,091.20 usft	Longitude:	103° 56' 48.622 W
Position Uncertainty	0.0 usft	Wellhead Elevation:	27.0 usft	Ground Level:	2,952.0 usft	

Wellbore Original Hole

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	11/7/2017	7.07	59.83	47,753.34725086

Design Original Hole

Audit Notes:

Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
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Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	355.10

Survey Program Date 1/5/2018

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
615.0	18,140.0	MWD Survey #1 (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)
615.0	0.41	230.64	614.9	0.9	-5.9	1.4	0.00	0.00	0.00
756.0	0.70	209.60	755.9	-0.1	-6.7	0.4	0.25	0.21	-14.92
816.0	0.90	198.60	815.9	-0.9	-7.0	-0.3	0.42	0.33	-18.33
877.0	0.80	205.10	876.9	-1.7	-7.4	-1.1	0.23	-0.16	10.66
938.0	0.90	213.30	937.9	-2.5	-7.8	-1.9	0.26	0.16	13.44
1,000.0	1.10	216.80	999.9	-3.4	-8.4	-2.7	0.34	0.32	5.65
1,065.0	0.30	168.60	1,064.9	-4.1	-8.8	-3.3	1.43	-1.23	-74.15
1,128.0	0.20	273.10	1,127.9	-4.2	-8.9	-3.5	0.64	-0.16	165.87
1,192.0	0.40	307.40	1,191.9	-4.1	-9.1	-3.3	0.41	0.31	53.59
1,255.0	0.50	295.10	1,254.9	-3.8	-9.6	-3.0	0.22	0.16	-19.52

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Fuller 14-23 W1IP Fed 1H
Project:	Eddy County, N.M. Nad (83)	TVD Reference:	2952 + 27 @ 2979.0usft (Patterson 250)
Site:	Section 14-23-26S-29E Fuller 14-23 W1IP Fed 1H	MD Reference:	2952 + 27 @ 2979.0usft (Patterson 250)
Well:	Fuller 14-23 W1IP Fed 1H	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)
1,319.0	0.70	309.10	1,318.9	-3.5	-10.1	-2.6	0.39	0.31	21.88
1,383.0	1.00	306.20	1,382.9	-2.9	-10.9	-2.0	0.47	0.47	-4.53
1,446.0	0.90	309.90	1,445.9	-2.3	-11.7	-1.3	0.19	-0.16	5.87
1,510.0	1.10	326.40	1,509.9	-1.4	-12.4	-0.4	0.54	0.31	25.78
1,573.0	1.10	325.50	1,572.9	-0.4	-13.1	0.7	0.03	0.00	-1.43
1,636.0	1.10	330.80	1,635.9	0.6	-13.7	1.8	0.16	0.00	8.41
1,700.0	1.10	332.90	1,699.8	1.7	-14.3	2.9	0.06	0.00	3.28
1,763.0	1.10	335.70	1,762.8	2.8	-14.8	4.0	0.09	0.00	4.44
1,826.0	1.00	64.40	1,825.8	3.6	-14.6	4.8	2.33	-0.16	140.79
1,890.0	1.90	90.70	1,889.8	3.8	-13.0	4.9	1.71	1.41	41.09
1,953.0	1.70	107.10	1,952.8	3.5	-11.1	4.4	0.87	-0.32	26.03
2,017.0	0.70	189.90	2,016.8	2.8	-10.3	3.7	2.74	-1.56	129.38
2,080.0	1.80	246.80	2,079.7	2.1	-11.2	3.0	2.44	1.75	90.32
2,173.0	0.40	272.30	2,172.7	1.5	-12.9	2.6	1.56	-1.51	27.42
2,266.0	0.50	20.40	2,265.7	1.9	-13.1	3.0	0.79	0.11	116.24
2,359.0	0.40	357.50	2,358.7	2.6	-13.0	3.7	0.22	-0.11	-24.62
2,453.0	0.40	40.80	2,452.7	3.2	-12.8	4.3	0.31	0.00	46.06
2,546.0	1.00	81.90	2,545.7	3.5	-11.7	4.5	0.80	0.65	44.19
2,640.0	1.20	86.90	2,639.7	3.7	-9.9	4.5	0.24	0.21	5.32
2,733.0	1.60	97.00	2,732.7	3.6	-7.7	4.2	0.50	0.43	10.86
2,827.0	1.80	159.60	2,826.6	2.1	-5.9	2.6	1.89	0.21	66.60
2,921.0	2.50	166.50	2,920.6	-1.3	-4.9	-0.9	0.79	0.74	7.34
3,014.0	0.10	103.30	3,013.5	-3.3	-4.3	-2.9	2.64	-2.58	-67.96
3,108.0	1.30	356.90	3,107.5	-2.3	-4.3	-1.9	1.42	1.28	-113.19
3,201.0	1.40	0.60	3,200.5	-0.1	-4.3	0.3	0.14	0.11	3.98
3,295.0	1.50	6.00	3,294.5	2.3	-4.2	2.7	0.18	0.11	5.74
3,388.0	1.60	6.40	3,387.4	4.8	-3.9	5.1	0.11	0.11	0.43
3,481.0	1.40	6.60	3,480.4	7.2	-3.7	7.5	0.22	-0.22	0.22
3,575.0	1.50	7.10	3,574.4	9.6	-3.4	9.8	0.11	0.11	0.53
3,668.0	1.60	8.30	3,667.3	12.1	-3.0	12.3	0.11	0.11	1.29
3,761.0	1.80	7.80	3,760.3	14.8	-2.6	15.0	0.22	0.22	-0.54
3,855.0	1.80	7.70	3,854.3	17.7	-2.2	17.9	0.00	0.00	-0.11
3,948.0	1.80	12.10	3,947.2	20.6	-1.7	20.7	0.15	0.00	4.73
4,042.0	1.60	7.00	4,041.2	23.4	-1.3	23.4	0.27	-0.21	-5.43
4,135.0	1.80	5.50	4,134.1	26.1	-1.0	26.1	0.22	0.22	-1.61
4,165.0	1.70	0.20	4,164.1	27.0	-0.9	27.0	0.63	-0.33	-17.67
4,230.0	1.80	3.30	4,229.1	29.0	-0.9	29.0	0.21	0.15	4.77
4,324.0	0.30	119.60	4,323.1	30.3	-0.6	30.3	2.08	-1.60	123.72
4,417.0	0.50	62.30	4,416.1	30.4	0.0	30.3	0.45	0.22	-61.61
4,510.0	0.40	127.50	4,509.1	30.4	0.6	30.2	0.53	-0.11	70.11
4,604.0	0.20	258.40	4,603.1	30.2	0.7	30.0	0.59	-0.21	139.26
4,697.0	1.80	166.50	4,696.0	28.7	0.9	28.5	1.95	1.72	-98.82

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Fuller 14-23 W1IP Fed 1H
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Site:	Section 14-23-26S-29E Fuller 14-23 W1IP Fed 1H	MD Reference:	2952 + 27 @ 2979.0usft (Patterson 250)
Well:	Fuller 14-23 W1IP Fed 1H	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)
4,790.0	1.60	182.10	4,789.0	26.0	1.2	25.8	0.54	-0.22	16.77
4,884.0	1.40	184.80	4,883.0	23.5	1.0	23.4	0.23	-0.21	2.87
4,977.0	1.30	190.60	4,976.0	21.4	0.8	21.2	0.18	-0.11	6.24
5,071.0	1.60	183.70	5,069.9	19.0	0.5	18.9	0.37	0.32	-7.34
5,164.0	1.50	177.30	5,162.9	16.5	0.5	16.4	0.21	-0.11	-6.88
5,258.0	1.60	185.60	5,256.9	14.0	0.4	13.9	0.26	0.11	8.83
5,351.0	1.10	194.90	5,349.8	11.8	0.0	11.8	0.59	-0.54	10.00
5,445.0	1.20	209.20	5,443.8	10.1	-0.7	10.1	0.32	0.11	15.21
5,538.0	1.40	198.90	5,536.8	8.2	-1.5	8.3	0.33	0.22	-11.08
5,632.0	1.50	205.50	5,630.8	6.0	-2.4	6.2	0.21	0.11	7.02
5,725.0	0.70	211.30	5,723.7	4.4	-3.3	4.6	0.87	-0.86	6.24
5,819.0	0.80	215.60	5,817.7	3.4	-3.9	3.7	0.12	0.11	4.57
5,912.0	1.00	209.70	5,910.7	2.1	-4.7	2.5	0.24	0.22	-6.34
6,006.0	0.80	255.20	6,004.7	1.2	-5.8	1.7	0.77	-0.21	48.40
6,100.0	0.80	246.30	6,098.7	0.8	-7.0	1.4	0.13	0.00	-9.47
6,193.0	0.70	240.50	6,191.7	0.3	-8.1	1.0	0.13	-0.11	-6.24
6,286.0	0.40	230.20	6,284.7	-0.2	-8.8	0.5	0.34	-0.32	-11.08
6,380.0	0.40	218.90	6,378.7	-0.7	-9.3	0.1	0.08	0.00	-12.02
6,473.0	0.70	229.20	6,471.7	-1.3	-9.9	-0.5	0.34	0.32	11.08
6,566.0	0.80	238.50	6,564.7	-2.0	-10.9	-1.1	0.17	0.11	10.00
6,660.0	1.10	229.50	6,658.7	-2.9	-12.1	-1.9	0.36	0.32	-9.57
6,753.0	0.80	186.10	6,751.6	-4.2	-12.9	-3.1	0.81	-0.32	-46.67
6,847.0	0.90	211.80	6,845.6	-5.4	-13.3	-4.3	0.42	0.11	27.34
6,940.0	0.50	114.90	6,938.6	-6.2	-13.4	-5.1	1.16	-0.43	-104.19
7,034.0	0.70	280.40	7,032.6	-6.3	-13.6	-5.1	1.27	0.21	176.06
7,127.0	0.60	306.00	7,125.6	-5.9	-14.5	-4.7	0.33	-0.11	27.53
7,221.0	1.10	351.80	7,219.6	-4.7	-15.0	-3.4	0.86	0.53	48.72
7,314.0	0.90	23.80	7,312.6	-3.2	-14.9	-1.9	0.63	-0.22	34.41
7,408.0	1.10	36.50	7,406.6	-1.8	-14.0	-0.6	0.32	0.21	13.51
7,501.0	0.90	16.00	7,499.6	-0.4	-13.3	0.8	0.44	-0.22	-22.04
7,595.0	1.00	14.60	7,593.6	1.1	-12.9	2.2	0.11	0.11	-1.49
7,688.0	1.50	342.60	7,686.5	3.1	-13.1	4.2	0.90	0.54	-34.41
7,782.0	1.80	340.20	7,780.5	5.6	-13.9	6.8	0.33	0.32	-2.55
7,875.0	1.70	110.50	7,873.5	6.5	-13.1	7.6	3.42	-0.11	140.11
7,969.0	1.90	106.60	7,967.4	5.6	-10.3	6.5	0.25	0.21	-4.15
8,062.0	1.20	167.40	8,060.4	4.2	-8.6	4.9	1.81	-0.75	65.38
8,156.0	1.30	191.10	8,154.4	2.2	-8.6	2.9	0.56	0.11	25.21
8,249.0	1.60	248.90	8,247.4	0.7	-10.0	1.6	1.53	0.32	62.15
8,343.0	1.50	238.50	8,341.3	-0.4	-12.3	0.6	0.32	-0.11	-11.06
8,437.0	0.50	147.50	8,435.3	-1.4	-13.1	-0.3	1.69	-1.06	-96.81
8,530.0	0.70	110.80	8,528.3	-1.9	-12.4	-0.9	0.45	0.22	-39.46
8,624.0	0.20	0.70	8,622.3	-2.0	-11.9	-1.0	0.84	-0.53	-117.13
8,717.0	0.70	208.00	8,715.3	-2.3	-12.1	-1.3	0.95	0.54	-164.19

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Well:	Fuller 14-23 W1IP Fed 1H	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)
8,811.0	0.90	226.00	8,809.3	-3.3	-12.9	-2.2	0.34	0.21	19.15
8,904.0	1.10	225.70	8,902.3	-4.5	-14.1	-3.3	0.22	0.22	-0.32
8,998.0	0.90	354.70	8,996.3	-4.4	-14.8	-3.1	1.92	-0.21	137.23
9,091.0	0.70	345.70	9,089.3	-3.1	-15.0	-1.8	0.25	-0.22	-9.68
9,185.0	0.80	304.80	9,183.3	-2.2	-15.7	-0.8	0.57	0.11	-43.51
9,278.0	0.50	272.60	9,276.2	-1.8	-16.6	-0.3	0.50	-0.32	-34.62
9,371.0	0.80	283.70	9,369.2	-1.6	-17.7	-0.1	0.35	0.32	11.94
9,465.0	1.00	261.80	9,463.2	-1.6	-19.1	0.1	0.42	0.21	-23.30
9,558.0	0.40	43.00	9,556.2	-1.4	-19.7	0.2	1.44	-0.65	151.83
9,652.0	0.20	197.10	9,650.2	-1.4	-19.5	0.3	0.62	-0.21	163.94
9,746.0	0.40	224.00	9,744.2	-1.7	-19.8	-0.1	0.25	0.21	28.62
9,827.0	0.70	247.50	9,825.2	-2.1	-20.4	-0.4	0.46	0.37	29.01
9,866.0	0.70	232.40	9,864.2	-2.4	-20.9	-0.6	0.47	0.00	-38.72
9,897.0	2.70	185.40	9,895.2	-3.2	-21.1	-1.4	7.36	6.45	-151.61
9,928.0	7.60	177.10	9,926.1	-6.0	-21.0	-4.2	15.95	15.81	-26.77
9,959.0	12.60	175.90	9,956.6	-11.4	-20.7	-9.6	16.14	16.13	-3.87
9,990.0	16.40	173.30	9,986.6	-19.1	-19.9	-17.4	12.43	12.26	-8.39
10,022.0	20.10	175.80	10,017.0	-29.1	-19.0	-27.4	11.82	11.56	7.81
10,053.0	23.40	179.70	10,045.8	-40.6	-18.6	-38.9	11.62	10.65	12.58
10,084.0	26.20	182.30	10,073.9	-53.6	-18.8	-51.8	9.69	9.03	8.39
10,115.0	28.80	183.70	10,101.4	-67.9	-19.6	-66.0	8.64	8.39	4.52
10,146.0	31.30	182.70	10,128.2	-83.4	-20.4	-81.3	8.22	8.06	-3.23
10,177.0	33.80	181.00	10,154.4	-100.0	-21.0	-97.9	8.59	8.06	-5.48
10,208.0	36.20	179.00	10,179.8	-117.8	-21.0	-115.6	8.58	7.74	-6.45
10,239.0	38.60	177.60	10,204.4	-136.6	-20.4	-134.4	8.21	7.74	-4.52
10,271.0	40.70	176.80	10,229.0	-157.0	-19.4	-154.8	6.75	6.56	-2.50
10,302.0	43.30	175.80	10,252.0	-177.7	-18.1	-175.5	8.66	8.39	-3.23
10,333.0	45.40	176.40	10,274.2	-199.3	-16.6	-197.2	6.91	6.77	1.94
10,364.0	47.00	176.80	10,295.7	-221.7	-15.3	-219.6	5.24	5.16	1.29
10,395.0	48.90	176.50	10,316.4	-244.7	-13.9	-242.6	6.17	6.13	-0.97
10,426.0	51.00	177.60	10,336.4	-268.4	-12.7	-266.3	7.30	6.77	3.55
10,458.0	53.80	177.90	10,355.9	-293.7	-11.7	-291.6	8.78	8.75	0.94
10,489.0	58.90	178.50	10,373.1	-319.5	-10.9	-317.4	16.53	16.45	1.94
10,520.0	64.00	178.40	10,387.9	-346.7	-10.2	-344.5	16.45	16.45	-0.32
10,552.0	66.60	178.00	10,401.3	-375.7	-9.2	-373.6	8.20	8.13	-1.25
10,583.0	69.40	176.80	10,412.9	-404.4	-7.9	-402.3	9.72	9.03	-3.87
10,614.0	72.20	176.10	10,423.1	-433.7	-6.1	-431.6	9.28	9.03	-2.26
10,645.0	75.80	176.10	10,431.6	-463.4	-4.1	-461.3	11.61	11.61	0.00
10,661.0	77.60	176.70	10,435.3	-478.9	-3.1	-476.9	11.83	11.25	3.75
10,734.0	82.10	178.50	10,448.1	-550.7	-0.1	-548.7	6.62	6.16	2.47
10,765.0	83.40	179.50	10,452.1	-581.4	0.4	-579.4	5.27	4.19	3.23
10,776.1	84.08	179.86	10,453.3	-592.5	0.5	-590.3	6.92	6.13	3.23

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Fuller 14-23 W1IP Fed 1H
Project:	Eddy County, N.M. Nad (83)	TVD Reference:	2952 + 27 @ 2979.0usft (Patterson 250)
Site:	Section 14-23-26S-29E Fuller 14-23 W1IP Fed 1H	MD Reference:	2952 + 27 @ 2979.0usft (Patterson 250)
Well:	Fuller 14-23 W1IP Fed 1H	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)
LP Fuller 14-23 W1IP Fed 1H									
10,796.0	85.30	180.50	10,455.1	-612.3	0.4	-610.1	6.92	6.13	3.22
10,827.0	85.90	180.90	10,457.5	-643.2	0.0	-640.9	2.32	1.94	1.29
10,858.0	87.60	181.70	10,459.2	-674.1	-0.7	-671.6	6.06	5.48	2.58
10,889.0	87.30	180.50	10,460.6	-705.1	-1.3	-702.4	3.99	-0.97	-3.87
10,921.0	88.30	179.90	10,461.9	-737.1	-1.4	-734.3	3.64	3.13	-1.88
10,952.0	89.90	179.80	10,462.3	-768.1	-1.3	-765.2	5.17	5.16	-0.32
10,983.0	92.90	179.80	10,461.6	-799.1	-1.2	-796.0	9.68	9.68	0.00
11,014.0	94.50	180.50	10,459.6	-830.0	-1.3	-826.9	5.63	5.16	2.26
11,045.0	94.10	180.80	10,457.3	-860.9	-1.6	-857.6	1.61	-1.29	0.97
11,107.0	94.50	181.70	10,452.6	-922.7	-3.0	-919.1	1.58	0.65	1.45
11,201.0	92.10	181.00	10,447.2	-1,016.5	-5.2	-1,012.4	2.66	-2.55	-0.74
11,294.0	91.00	180.80	10,444.7	-1,109.5	-6.6	-1,104.9	1.20	-1.18	-0.22
11,388.0	88.00	179.00	10,445.5	-1,203.5	-6.5	-1,198.5	3.72	-3.19	-1.91
11,481.0	88.30	178.30	10,448.5	-1,296.4	-4.3	-1,291.3	0.82	0.32	-0.75
11,574.0	87.90	179.50	10,451.6	-1,389.3	-2.5	-1,384.0	1.36	-0.43	1.29
11,668.0	91.90	180.10	10,451.8	-1,483.3	-2.2	-1,477.7	4.30	4.26	0.64
11,761.0	88.70	182.70	10,451.3	-1,576.2	-4.4	-1,570.1	4.43	-3.44	2.80
11,854.0	91.50	183.60	10,451.1	-1,669.1	-9.5	-1,662.2	3.16	3.01	0.97
11,948.0	92.40	183.60	10,447.9	-1,762.9	-15.4	-1,755.1	0.96	0.96	0.00
12,041.0	89.70	181.80	10,446.2	-1,855.7	-19.8	-1,847.2	3.49	-2.90	-1.94
12,135.0	92.30	182.70	10,444.6	-1,949.6	-23.5	-1,940.5	2.93	2.77	0.96
12,228.0	89.00	180.50	10,443.5	-2,042.6	-26.1	-2,032.9	4.26	-3.55	-2.37
12,322.0	90.30	178.80	10,444.1	-2,136.6	-25.5	-2,126.6	2.28	1.38	-1.81
12,415.0	92.20	185.60	10,442.1	-2,229.4	-29.1	-2,218.8	7.59	2.04	7.31
12,509.0	91.50	181.90	10,439.0	-2,323.1	-35.2	-2,311.6	4.00	-0.74	-3.94
12,602.0	90.20	179.40	10,437.6	-2,416.1	-36.3	-2,404.2	3.03	-1.40	-2.69
12,695.0	87.60	178.60	10,439.4	-2,509.1	-34.7	-2,496.9	2.92	-2.80	-0.86
12,789.0	90.30	182.10	10,441.1	-2,603.0	-35.3	-2,590.5	4.70	2.87	3.72
12,882.0	93.00	183.10	10,438.5	-2,695.9	-39.5	-2,682.7	3.10	2.90	1.08
12,976.0	93.50	182.10	10,433.1	-2,789.6	-43.7	-2,775.7	1.19	0.53	-1.06
13,069.0	87.00	179.40	10,432.7	-2,882.6	-44.9	-2,868.2	7.57	-6.99	-2.90
13,162.0	86.60	180.70	10,437.9	-2,975.4	-45.0	-2,960.7	1.46	-0.43	1.40
13,256.0	87.10	179.00	10,443.1	-3,069.3	-44.8	-3,054.2	1.88	0.53	-1.81
13,349.0	86.50	177.90	10,448.3	-3,162.1	-42.3	-3,146.9	1.35	-0.65	-1.18
13,443.0	93.80	179.80	10,448.0	-3,256.0	-40.4	-3,240.7	8.02	7.77	2.02
13,537.0	91.30	178.70	10,443.9	-3,349.9	-39.2	-3,334.3	2.91	-2.66	-1.17
13,630.0	87.50	175.90	10,444.8	-3,442.8	-34.8	-3,427.2	5.08	-4.09	-3.01
13,723.0	91.80	176.50	10,445.4	-3,535.5	-28.6	-3,520.2	4.67	4.62	0.65
13,817.0	89.50	171.00	10,444.3	-3,628.9	-18.4	-3,614.1	6.34	-2.45	-5.85
13,910.0	88.50	172.70	10,446.0	-3,721.0	-5.2	-3,706.9	2.12	-1.08	1.83
14,002.0	90.20	175.80	10,447.0	-3,812.5	4.0	-3,798.9	3.84	1.85	3.37
14,095.0	90.70	174.70	10,446.3	-3,905.2	11.7	-3,891.9	1.30	0.54	-1.18

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Fuller 14-23 W1IP Fed 1H
Project:	Eddy County, N.M. Nad (83)	TVD Reference:	2952 + 27 @ 2979.0usft (Patterson 250)
Site:	Section 14-23-26S-29E Fuller 14-23 W1IP Fed 1H	MD Reference:	2952 + 27 @ 2979.0usft (Patterson 250)
Well:	Fuller 14-23 W1IP Fed 1H	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)
14,188.0	91.30	181.80	10,444.6	-3,998.1	14.6	-3,984.7	7.66	0.65	7.63
14,282.0	90.70	181.20	10,443.0	-4,092.0	12.1	-4,078.1	0.90	-0.64	-0.64
14,375.0	96.00	181.40	10,437.6	-4,184.8	10.0	-4,170.3	5.70	5.70	0.22
14,469.0	92.90	182.40	10,430.3	-4,278.4	6.9	-4,263.4	3.46	-3.30	1.06
14,562.0	89.00	181.90	10,428.7	-4,371.3	3.4	-4,355.7	4.23	-4.19	-0.54
14,656.0	92.40	182.20	10,427.6	-4,465.3	0.0	-4,448.9	3.63	3.62	0.32
14,749.0	87.80	180.50	10,427.4	-4,558.2	-2.2	-4,541.4	5.27	-4.95	-1.83
14,843.0	89.20	183.40	10,429.9	-4,652.1	-5.4	-4,634.6	3.42	1.49	3.09
14,936.0	87.80	182.40	10,432.3	-4,745.0	-10.1	-4,726.8	1.85	-1.51	-1.08
15,030.0	88.40	183.40	10,435.4	-4,838.8	-14.8	-4,819.8	1.24	0.64	1.06
15,123.0	91.40	184.30	10,435.6	-4,931.6	-21.1	-4,911.7	3.37	3.23	0.97
15,216.0	90.00	183.80	10,434.5	-5,024.3	-27.6	-5,003.6	1.60	-1.51	-0.54
15,310.0	90.50	190.50	10,434.0	-5,117.5	-39.3	-5,095.5	7.15	0.53	7.13
15,403.0	90.20	193.50	10,433.5	-5,208.5	-58.7	-5,184.4	3.24	-0.32	3.23
15,497.0	92.10	191.70	10,431.6	-5,300.2	-79.2	-5,274.1	2.78	2.02	-1.91
15,591.0	88.20	187.10	10,431.3	-5,392.9	-94.5	-5,365.1	6.41	-4.15	-4.89
15,684.0	86.20	182.70	10,435.9	-5,485.4	-102.4	-5,456.6	5.19	-2.15	-4.73
15,778.0	84.30	175.60	10,443.7	-5,579.0	-101.1	-5,550.0	7.79	-2.02	-7.55
15,871.0	87.60	170.80	10,450.3	-5,671.1	-90.1	-5,642.7	6.25	3.55	-5.16
15,965.0	95.50	168.80	10,447.7	-5,763.5	-73.4	-5,736.2	8.67	8.40	-2.13
16,058.0	98.10	172.50	10,436.7	-5,854.6	-58.4	-5,828.2	4.84	2.80	3.98
16,151.0	96.00	176.10	10,425.3	-5,946.4	-49.3	-5,920.5	4.46	-2.26	3.87
16,245.0	91.00	175.40	10,419.5	-6,039.9	-42.3	-6,014.3	5.37	-5.32	-0.74
16,338.0	91.50	176.90	10,417.5	-6,132.7	-36.1	-6,107.2	1.70	0.54	1.61
16,432.0	91.00	183.40	10,415.5	-6,226.6	-36.3	-6,200.8	6.93	-0.53	6.91
16,525.0	86.10	179.70	10,417.8	-6,319.5	-38.8	-6,293.1	6.60	-5.27	-3.98
16,619.0	89.30	179.50	10,421.6	-6,413.4	-38.2	-6,386.7	3.41	3.40	-0.21
16,712.0	92.90	179.00	10,419.8	-6,506.4	-37.0	-6,479.5	3.91	3.87	-0.54
16,806.0	90.70	176.90	10,416.9	-6,600.3	-33.6	-6,573.3	3.23	-2.34	-2.23
16,901.0	91.20	178.40	10,415.3	-6,695.2	-29.7	-6,668.2	1.66	0.53	1.58
16,996.0	90.20	175.90	10,414.1	-6,790.1	-25.0	-6,763.1	2.83	-1.05	-2.63
17,091.0	90.70	177.00	10,413.4	-6,884.9	-19.1	-6,858.1	1.27	0.53	1.16
17,186.0	90.60	177.50	10,412.3	-6,979.7	-14.6	-6,953.0	0.54	-0.11	0.53
17,282.0	89.50	172.20	10,412.2	-7,075.3	-5.9	-7,049.0	5.64	-1.15	-5.52
17,377.0	92.60	182.80	10,410.5	-7,170.1	-1.8	-7,143.7	11.62	3.26	11.16
17,472.0	91.20	186.80	10,407.3	-7,264.7	-9.7	-7,237.3	4.46	-1.47	4.21
17,567.0	88.60	187.10	10,407.5	-7,359.0	-21.2	-7,330.2	2.75	-2.74	0.32
17,662.0	90.10	187.40	10,408.6	-7,453.2	-33.2	-7,423.1	1.61	1.58	0.32
17,757.0	92.70	184.00	10,406.2	-7,547.7	-42.7	-7,516.4	4.50	2.74	-3.58
17,852.0	90.30	184.70	10,403.7	-7,642.4	-49.9	-7,610.2	2.63	-2.53	0.74
17,947.0	93.20	189.70	10,400.8	-7,736.5	-61.8	-7,703.0	6.08	3.05	5.26
18,042.0	92.10	189.40	10,396.5	-7,830.1	-77.5	-7,794.9	1.20	-1.16	-0.32

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Fuller 14-23 W1IP Fed 1H
Project:	Eddy County, N.M. Nad (83)	TVD Reference:	2952 + 27 @ 2979.0usft (Patterson 250)
Site:	Section 14-23-26S-29E Fuller 14-23 W1IP Fed 1H	MD Reference:	2952 + 27 @ 2979.0usft (Patterson 250)
Well:	Fuller 14-23 W1IP Fed 1H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Stryker_EDM

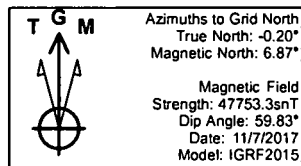
Survey

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)
18,088.0	92.40	189.70	10,394.6	-7,875.4	-85.1	-7,839.4	0.92	0.65	0.65
18,114.5	92.40	189.70	10,393.5	-7,901.5	-89.6	-7,865.0	0.00	0.00	0.00
PBHL Fuller 14-23 W1IP Fed 1H									
18,140.0	92.40	189.70	10,392.5	-7,926.6	-93.9	-7,889.7	0.00	0.00	0.00
18140' MD Projected to Bit									

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
18,140.0	10,392.5	-7,926.6	-93.9	18140' MD Projected to Bit

GEODETIC ZONE: New Mexico Eastern Zone										
2952 + 27 @ 2979.0usft (Patterson 250)										
GROUND ELEVATION: 2952.0										
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot				
0.0	0.0	379385.80	661091.20	32° 2' 32.721 N	103° 56' 48.622 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	9883.0	0.00	0.00	9883.0	0.0	0.0	0.00	0.00	0.0	
3	10786.8	90.37	179.51	10456.0	-576.7	4.9	10.00	179.51	576.7	
4	18139.5	90.37	179.51	10408.0	-7929.0	67.8	0.00	0.00	7929.3	PBHL Fuller 14-23 W1IP Fed 1H



SHL: 2500' FNL: 400' FEL
Section 14-26S-29E
PBHL: 330' FSL: 330' FEL
Section 23-26S-29E

