



Mewbourne Oil Company

Eddy County, New Mexico

Section 14-23 -26S-29E Fuller 14-23 W2LM Fed Com 2

Fuller 14-23 W2LM Fed Com #2H

Original Hole

Design: Original Hole

Standard Survey Report

20 March, 2017





Microsoft Survey Report



Company: Mewbourne Oil Company
Project: Eddy County, New Mexico
Site: Section 14-23 -26S-29E Fuller 14-23 W2LM Fed Com 2
Well: Fuller 14-23 W2LM Fed Com #2H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Fuller 14-23 W2LM Fed Com #2H
TVD Reference: 2936 + 27 @ 2963.0usft (Patterson 245)
MD Reference: 2936 + 27 @ 2963.0usft (Patterson 245)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Stryker_EDM

Project	Eddy 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 Section 14-23 -26S-29E Fuller 14-23 W2LM Fed Com 2

Site Position: **Map** **Northing:** 379,410.22 usft **Latitude:** 32° 2' 33.244 N
From: **Easting:** 615,270.52 usft **Longitude:** 103° 57' 40.737 W
Position Uncertainty: 0.0 usft **Slot Radius:** 13-3/16 " **Grid Convergence:** 0.20 °

Well Fuller 14-23 W2LM Fed Com #2H

Well Position **+N/-S** 0.0 usft **Northing:** 379,410.22 usft **Latitude:** 32° 2' 33.244 N
+E/-W 0.0 usft **Easting:** 615,270.52 usft **Longitude:** 103° 57' 40.737 W
Position Uncertainty 0.0 usft **Wellhead Elevation:** 27.0 usft **Ground Level:** 2,936.0 usft

Wellbore	Original Hole					
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)	
	IGRF2015	1/24/2017	7.16	59.84	47,832.37864550	

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 0.0 115.53

Survey Program	Date	3/20/2017			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
100.0	487.0	Rig Survey's (Original Hole)	MWD	MWD v3:standard declination	
519.0	18,800.0	MWD Vertical 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)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.40	113.00	100.0	-0.1	0.3	0.3	0.40	0.40	0.00
190.0	1.20	62.00	190.0	0.2	1.4	1.2	1.11	0.89	-56.67
252.0	1.60	80.00	252.0	0.6	2.9	2.3	0.95	0.65	29.03
313.0	1.80	101.00	312.9	0.6	4.6	3.9	1.07	0.33	34.43
375.0	1.50	96.00	374.9	0.3	6.4	5.6	0.54	-0.48	-8.06
438.0	1.60	100.00	437.9	0.1	8.1	7.3	0.23	0.16	6.35
487.0	1.50	123.00	486.9	-0.4	9.3	8.6	1.28	-0.20	46.94
487' MD Rig Survey's									



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519.0	1.70	140.70	518.9	-1.0	10.0	9.4	1.66	0.63	55.31
581.0	1.50	157.40	580.8	-2.4	10.9	10.8	0.81	-0.32	26.94
644.0	1.40	171.10	643.8	-4.0	11.3	11.9	0.57	-0.16	21.75
706.0	1.10	182.80	705.8	-5.3	11.4	12.5	0.63	-0.48	18.87
769.0	1.50	190.00	768.8	-6.7	11.2	13.0	0.68	0.63	11.43
835.0	1.80	196.00	834.8	-8.6	10.8	13.4	0.52	0.45	9.09
898.0	1.00	205.30	897.7	-10.0	10.3	13.6	1.32	-1.27	14.76
962.0	0.50	342.30	961.7	-10.2	9.9	13.4	2.20	-0.78	214.06
1,025.0	1.10	336.20	1,024.7	-9.4	9.6	12.7	0.96	0.95	-9.68
1,088.0	1.40	349.60	1,087.7	-8.1	9.2	11.8	0.66	0.48	21.27
1,152.0	1.50	347.30	1,151.7	-6.5	8.9	10.8	0.18	0.16	-3.59
1,215.0	1.70	346.80	1,214.7	-4.8	8.5	9.8	0.32	0.32	-0.79
1,279.0	0.60	284.20	1,278.7	-3.8	8.0	8.8	2.38	-1.72	-97.81
1,342.0	1.10	215.20	1,341.7	-4.2	7.3	8.4	1.66	0.79	-109.52
1,405.0	1.50	207.40	1,404.6	-5.5	6.6	8.3	0.69	0.63	-12.38
1,469.0	0.70	264.40	1,468.6	-6.2	5.8	7.9	1.97	-1.25	89.06
1,532.0	1.10	333.80	1,531.6	-5.7	5.1	7.1	1.71	0.63	110.16
1,595.0	1.30	343.40	1,594.6	-4.5	4.7	6.2	0.45	0.32	15.24
1,659.0	1.40	346.50	1,658.6	-3.0	4.3	5.2	0.19	0.16	4.84
1,722.0	1.10	343.60	1,721.6	-1.7	3.9	4.3	0.49	-0.48	-4.60
1,786.0	1.30	334.70	1,785.6	-0.5	3.5	3.3	0.43	0.31	-13.91
1,817.0	1.50	332.40	1,816.6	0.2	3.1	2.7	0.67	0.65	-7.42
1,915.0	0.30	217.60	1,914.5	1.1	2.4	1.6	1.68	-1.22	-117.14
2,010.0	1.10	156.70	2,009.5	0.1	2.6	2.3	1.04	0.84	-64.11
2,104.0	1.50	153.70	2,103.5	-1.8	3.5	3.9	0.43	0.43	-3.19
2,199.0	0.00	4.00	2,198.5	-2.9	4.0	4.9	1.58	-1.58	0.00
2,294.0	1.00	343.80	2,293.5	-2.1	3.8	4.3	1.05	1.05	0.00
2,389.0	0.90	7.10	2,388.5	-0.6	3.7	3.6	0.42	-0.11	24.53
2,484.0	1.10	46.30	2,483.5	0.8	4.4	3.6	0.73	0.21	41.26
2,580.0	1.50	66.60	2,579.4	1.9	6.2	4.8	0.63	0.42	21.15
2,675.0	1.50	120.80	2,674.4	1.8	8.4	6.9	1.44	0.00	57.05
2,770.0	2.50	127.50	2,769.4	-0.1	11.1	10.1	1.08	1.05	7.05
2,866.0	1.20	144.20	2,865.3	-2.2	13.4	13.0	1.45	-1.35	17.40
2,953.0	0.40	107.30	2,952.3	-3.1	14.2	14.1	1.05	-0.92	-42.41
3,055.0	0.40	341.70	3,054.3	-2.8	14.4	14.3	0.70	0.00	-123.14
3,150.0	0.40	300.30	3,149.3	-2.3	14.1	13.7	0.30	0.00	-43.58
3,246.0	0.20	330.30	3,245.3	-2.0	13.7	13.2	0.26	-0.21	31.25
3,341.0	0.10	253.50	3,340.3	-1.9	13.5	13.0	0.21	-0.11	-80.84
3,437.0	0.50	289.60	3,436.3	-1.8	13.0	12.5	0.44	0.42	37.60
3,533.0	0.20	328.90	3,532.3	-1.5	12.6	12.0	0.38	-0.31	40.94
3,628.0	0.50	287.10	3,627.3	-1.2	12.1	11.4	0.40	0.32	-44.00
3,723.0	0.40	305.70	3,722.3	-0.9	11.4	10.7	0.19	-0.11	19.58



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3,819.0	0.30	293.80	3,818.3	-0.6	10.9	10.1	0.13	-0.10	-12.40
3,915.0	0.70	277.10	3,914.3	-0.5	10.1	9.3	0.44	0.42	-17.40
4,010.0	1.00	277.70	4,009.3	-0.3	8.7	8.0	0.32	0.32	0.63
4,105.0	1.00	280.00	4,104.3	0.0	7.1	6.4	0.04	0.00	2.42
4,200.0	1.10	263.00	4,199.2	0.0	5.3	4.8	0.34	0.11	-17.89
4,294.0	0.80	265.00	4,293.2	-0.2	3.8	3.5	0.32	-0.32	2.13
4,390.0	1.20	259.30	4,389.2	-0.4	2.1	2.1	0.43	0.42	-5.94
4,485.0	1.10	262.70	4,484.2	-0.7	0.3	0.5	0.13	-0.11	3.58
4,579.0	0.90	254.60	4,578.2	-1.0	-1.3	-0.8	0.26	-0.21	-8.62
4,674.0	1.20	251.70	4,673.2	-1.5	-3.0	-2.1	0.32	0.32	-3.05
4,770.0	0.50	186.60	4,769.2	-2.3	-4.0	-2.6	1.13	-0.73	-67.81
4,865.0	0.60	165.30	4,864.1	-3.2	-3.9	-2.2	0.24	0.11	-22.42
4,958.0	0.70	184.40	4,957.1	-4.2	-3.9	-1.7	0.26	0.11	20.54
5,053.0	0.60	185.70	5,052.1	-5.3	-3.9	-1.3	0.11	-0.11	1.37
5,148.0	1.10	170.30	5,147.1	-6.7	-3.8	-0.6	0.57	0.53	-16.21
5,243.0	1.20	175.50	5,242.1	-8.5	-3.6	0.4	0.15	0.11	5.47
5,338.0	1.10	174.00	5,337.1	-10.4	-3.4	1.4	0.11	-0.11	-1.58
5,433.0	0.30	104.00	5,432.1	-11.4	-3.1	2.1	1.09	-0.84	-73.68
5,528.0	0.10	285.70	5,527.1	-11.4	-2.9	2.3	0.42	-0.21	-187.68
5,624.0	0.10	131.00	5,623.1	-11.5	-3.0	2.3	0.20	0.00	-161.15
5,719.0	0.10	264.60	5,718.1	-11.5	-3.0	2.3	0.19	0.00	140.63
5,814.0	0.30	215.20	5,813.1	-11.8	-3.2	2.2	0.26	0.21	-52.00
5,909.0	0.40	184.50	5,908.1	-12.3	-3.4	2.3	0.22	0.11	-32.32
6,005.0	0.70	165.80	6,004.1	-13.2	-3.3	2.7	0.36	0.31	-19.48
6,101.0	0.70	182.00	6,100.1	-14.3	-3.1	3.4	0.21	0.00	16.88
6,196.0	0.40	170.60	6,195.1	-15.3	-3.1	3.8	0.33	-0.32	-12.00
6,292.0	0.50	165.80	6,291.1	-16.0	-2.9	4.2	0.11	0.10	-5.00
6,387.0	0.60	173.20	6,386.1	-16.9	-2.8	4.8	0.13	0.11	7.79
6,484.0	1.10	172.60	6,483.0	-18.3	-2.6	5.5	0.52	0.52	-0.62
6,579.0	0.70	355.50	6,578.0	-18.6	-2.5	5.8	1.89	-0.42	-186.42
6,675.0	0.40	10.70	6,674.0	-17.7	-2.5	5.4	0.34	-0.31	15.83
6,770.0	0.20	347.20	6,769.0	-17.2	-2.5	5.2	0.24	-0.21	-24.74
6,866.0	0.90	350.90	6,865.0	-16.3	-2.6	4.7	0.73	0.73	3.85
6,962.0	0.60	339.90	6,961.0	-15.1	-2.9	3.9	0.35	-0.31	-11.46
7,057.0	0.30	247.50	7,056.0	-14.7	-3.3	3.3	0.72	-0.32	-97.26
7,152.0	0.20	243.70	7,151.0	-14.9	-3.7	3.1	0.11	-0.11	-4.00
7,248.0	0.90	161.90	7,247.0	-15.7	-3.6	3.5	0.93	0.73	-85.21
7,343.0	0.10	320.70	7,342.0	-16.3	-3.5	3.9	1.05	-0.84	167.16
7,439.0	0.70	303.80	7,438.0	-16.0	-4.0	3.3	0.63	0.63	-17.60
7,534.0	0.40	261.50	7,533.0	-15.7	-4.8	2.4	0.51	-0.32	-44.53
7,630.0	0.70	2.60	7,629.0	-15.1	-5.1	1.9	0.91	0.31	105.31
7,725.0	1.10	26.10	7,724.0	-13.7	-4.7	1.7	0.56	0.42	24.74
7,821.0	0.70	67.50	7,820.0	-12.7	-3.7	2.1	0.77	-0.42	43.13



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7,916.0	0.60	40.40	7,915.0	-12.1	-2.9	2.6	0.34	-0.11	-28.53
8,011.0	0.20	341.70	8,010.0	-11.6	-2.6	2.6	0.55	-0.42	-61.79
8,107.0	0.40	278.80	8,106.0	-11.3	-3.0	2.2	0.37	0.21	-65.52
8,203.0	1.00	309.40	8,202.0	-10.8	-4.0	1.1	0.72	0.63	31.88
8,298.0	0.70	339.80	8,297.0	-9.7	-4.8	-0.2	0.56	-0.32	32.00
8,394.0	0.70	345.10	8,392.9	-8.6	-5.2	-1.0	0.07	0.00	5.52
8,490.0	0.90	343.80	8,488.9	-7.3	-5.5	-1.8	0.21	0.21	-1.35
8,586.0	0.40	300.40	8,584.9	-6.4	-6.0	-2.7	0.70	-0.52	-45.21
8,681.0	0.20	285.80	8,679.9	-6.2	-6.5	-3.2	0.22	-0.21	-15.37
8,777.0	0.30	261.00	8,775.9	-6.2	-6.9	-3.5	0.15	0.10	-25.83
8,873.0	0.80	302.80	8,871.9	-5.8	-7.7	-4.4	0.64	0.52	43.54
8,969.0	0.90	246.40	8,967.9	-5.8	-8.9	-5.6	0.84	0.10	-58.75
9,064.0	1.30	229.60	9,062.9	-6.8	-10.4	-6.5	0.54	0.42	-17.68
9,160.0	0.60	124.90	9,158.9	-7.8	-10.9	-6.5	1.63	-0.73	-109.06
9,255.0	0.70	152.60	9,253.9	-8.6	-10.2	-5.5	0.34	0.11	29.16
9,351.0	0.20	320.20	9,349.9	-9.0	-10.0	-5.2	0.93	-0.52	174.58
9,447.0	0.10	297.70	9,445.9	-8.8	-10.2	-5.4	0.12	-0.10	-23.44
9,542.0	0.10	17.50	9,540.9	-8.7	-10.3	-5.5	0.14	0.00	84.00
9,638.0	0.20	329.90	9,636.9	-8.5	-10.3	-5.7	0.16	0.10	-49.58
9,734.0	0.10	249.50	9,732.9	-8.3	-10.5	-5.9	0.22	-0.10	-83.75
9,829.0	0.20	226.40	9,827.9	-8.5	-10.7	-6.0	0.12	0.11	-24.32
9,925.0	0.60	205.70	9,923.9	-9.1	-11.0	-6.0	0.44	0.42	-21.56
10,020.0	0.70	205.30	10,018.9	-10.0	-11.5	-6.0	0.11	0.11	-0.42
10,116.0	0.40	190.00	10,114.9	-10.9	-11.8	-5.9	0.35	-0.31	-15.94
10,211.0	0.40	204.80	10,209.9	-11.5	-12.0	-5.8	0.11	0.00	15.58
10,306.0	0.50	176.60	10,304.9	-12.2	-12.1	-5.6	0.25	0.11	-29.68
10,402.0	0.20	240.80	10,400.9	-12.7	-12.2	-5.5	0.47	-0.31	66.88
10,497.0	0.50	264.80	10,495.9	-12.8	-12.8	-6.0	0.34	0.32	25.26
10,552.0	0.60	255.50	10,550.9	-12.9	-13.3	-6.4	0.24	0.18	-16.91
10,584.0	2.20	184.90	10,582.8	-13.6	-13.5	-6.3	6.50	5.00	-220.63
10,615.0	5.50	176.00	10,613.8	-15.7	-13.5	-5.4	10.79	10.65	-28.71
10,647.0	8.00	174.10	10,645.5	-19.4	-13.1	-3.5	7.84	7.81	-5.94
10,679.0	11.40	171.10	10,677.1	-24.8	-12.4	-0.5	10.74	10.63	-9.38
10,711.0	14.80	172.80	10,708.2	-31.9	-11.4	3.5	10.69	10.63	5.31
10,743.0	16.80	174.20	10,739.0	-40.6	-10.4	8.1	6.36	6.25	4.38
10,774.0	17.80	175.60	10,768.6	-49.8	-9.6	12.8	3.49	3.23	4.52
10,806.0	19.10	174.80	10,799.0	-59.9	-8.8	17.9	4.14	4.06	-2.50
10,838.0	21.10	170.50	10,829.0	-70.8	-7.3	23.9	7.77	6.25	-13.44
10,870.0	24.20	168.60	10,858.6	-82.9	-5.1	31.1	9.95	9.69	-5.94
10,902.0	27.00	169.80	10,887.4	-96.5	-2.5	39.3	8.90	8.75	3.75
10,934.0	29.90	173.50	10,915.6	-111.5	-0.3	47.8	10.60	9.06	11.56
10,966.0	33.80	176.00	10,942.7	-128.3	1.2	56.4	12.86	12.19	7.81



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Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Fuller 14-23 W2LM Fed Com #2H
TVD Reference: 2936 + 27 @ 2963.0usft (Patterson 245)
MD Reference: 2936 + 27 @ 2963.0usft (Patterson 245)
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)
10,998.0	36.80	177.20	10,968.8	-146.8	2.3	65.4	9.62	9.38	3.75
11,030.0	38.90	176.00	10,994.1	-166.4	3.5	74.9	6.95	6.56	-3.75
11,062.0	42.20	178.80	11,018.4	-187.2	4.4	84.6	11.78	10.31	8.75
11,093.0	45.50	181.00	11,040.8	-208.7	4.4	93.9	11.72	10.65	7.10
11,125.0	46.10	179.10	11,063.1	-231.6	4.4	103.8	4.65	1.88	-5.94
11,157.0	49.10	178.40	11,084.7	-255.2	4.9	114.4	9.51	9.38	-2.19
11,189.0	53.60	177.10	11,104.7	-280.2	5.9	126.1	14.42	14.06	-4.06
11,221.0	58.40	177.70	11,122.5	-306.7	7.1	138.6	15.08	15.00	1.88
11,253.0	61.50	180.30	11,138.6	-334.4	7.6	151.0	11.97	9.69	8.13
11,285.0	63.80	180.80	11,153.3	-362.8	7.3	163.0	7.32	7.19	1.56
11,316.0	67.50	180.50	11,166.0	-391.0	7.0	174.8	11.97	11.94	-0.97
11,368.0	72.00	179.60	11,184.0	-439.8	7.0	195.8	8.80	8.65	-1.73
11,400.0	74.20	177.10	11,193.3	-470.4	7.8	209.8	10.16	6.88	-7.81
11,432.0	76.30	176.80	11,201.5	-501.3	9.5	224.6	6.62	6.56	-0.94
11,464.0	78.30	176.70	11,208.5	-532.5	11.3	239.6	6.26	6.25	-0.31
11,496.0	80.20	177.50	11,214.5	-563.8	12.9	254.6	6.43	5.94	2.50
11,528.0	82.10	177.70	11,219.4	-595.4	14.2	269.4	5.97	5.94	0.63
11,559.0	84.80	177.90	11,223.0	-626.2	15.4	283.7	8.73	8.71	0.65
11,591.0	85.60	178.40	11,225.6	-658.1	16.4	298.4	2.95	2.50	1.56
11,613.3	86.50	178.40	11,227.2	-680.3	17.0	308.5	4.06	4.06	0.00
LP Fuller 14-23 W2LM Fed Com 2H									
11,623.0	86.90	178.40	11,227.7	-690.0	17.3	313.0	4.06	4.06	0.00
11,655.0	88.70	178.90	11,228.9	-722.0	18.0	327.4	5.84	5.63	1.56
11,687.0	89.80	179.70	11,229.4	-754.0	18.4	341.6	4.25	3.44	2.50
11,719.0	90.70	179.50	11,229.2	-786.0	18.6	355.6	2.88	2.81	-0.63
11,814.0	91.30	178.70	11,227.6	-880.9	20.1	397.8	1.05	0.63	-0.84
11,910.0	91.10	178.20	11,225.6	-976.9	22.7	441.5	0.56	-0.21	-0.52
12,005.0	91.10	177.70	11,223.7	-1,071.8	26.1	485.5	0.53	0.00	-0.53
12,100.0	92.10	178.50	11,221.1	-1,166.7	29.3	529.3	1.35	1.05	0.84
12,196.0	86.50	177.80	11,222.3	-1,262.6	32.4	573.4	5.88	-5.83	-0.73
12,291.0	93.20	179.10	11,222.5	-1,357.5	34.9	616.6	7.18	7.05	1.37
12,386.0	91.30	179.60	11,218.8	-1,452.4	36.0	658.5	2.07	-2.00	0.53
12,481.0	90.80	181.80	11,217.0	-1,547.4	34.9	698.4	2.37	-0.53	2.32
12,577.0	90.00	181.40	11,216.4	-1,643.4	32.2	737.3	0.93	-0.83	-0.42
12,671.0	88.50	181.20	11,217.6	-1,737.3	30.0	775.9	1.61	-1.60	-0.21
12,767.0	88.70	180.90	11,219.9	-1,833.3	28.3	815.7	0.38	0.21	-0.31
12,863.0	90.50	180.60	11,220.6	-1,929.3	27.0	855.9	1.90	1.88	-0.31
12,957.0	90.40	181.00	11,219.9	-2,023.3	25.7	895.2	0.44	-0.11	0.43
13,052.0	91.60	181.20	11,218.2	-2,118.2	23.9	934.5	1.28	1.26	0.21
13,148.0	87.40	179.10	11,219.1	-2,214.2	23.6	975.6	4.89	-4.38	-2.19
13,243.0	91.60	179.90	11,219.9	-2,309.2	24.5	1,017.3	4.50	4.42	0.84
13,338.0	92.60	180.60	11,216.4	-2,404.1	24.1	1,057.9	1.28	1.05	0.74
13,432.0	87.80	178.40	11,216.1	-2,498.1	24.9	1,099.1	5.62	-5.11	-2.34



Microsoft Survey Report



Company: Mewbourne Oil Company
Project: Eddy County, New Mexico
Site: Section 14-23 -26S-29E Fuller 14-23 W2LM Fed Com 2
Well: Fuller 14-23 W2LM Fed Com #2H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Fuller 14-23 W2LM Fed Com #2H
TVD Reference: 2936 + 27 @ 2963.0usft (Patterson 245)
MD Reference: 2936 + 27 @ 2963.0usft (Patterson 245)
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)
13,527.0	90.50	179.90	11,217.5	-2,593.0	26.3	1,141.3	3.25	2.84	1.58
13,622.0	90.60	181.90	11,216.6	-2,688.0	24.8	1,180.9	2.11	0.11	2.11
13,717.0	89.40	179.90	11,216.6	-2,783.0	23.3	1,220.5	2.46	-1.26	-2.11
13,812.0	89.10	180.60	11,217.8	-2,878.0	22.9	1,261.0	0.80	-0.32	0.74
13,908.0	90.80	185.40	11,217.9	-2,973.8	17.9	1,297.8	5.30	1.77	5.00
14,003.0	90.60	186.20	11,216.7	-3,068.3	8.3	1,329.9	0.87	-0.21	0.84
14,098.0	86.20	180.80	11,219.4	-3,163.0	2.5	1,365.5	7.33	-4.63	-5.68
14,193.0	85.90	177.50	11,225.9	-3,257.8	3.9	1,407.6	3.48	-0.32	-3.47
14,288.0	89.90	177.70	11,229.4	-3,352.6	7.8	1,452.0	4.22	4.21	0.21
14,383.0	91.00	180.50	11,228.7	-3,447.6	9.3	1,494.3	3.17	1.16	2.95
14,478.0	90.30	176.50	11,227.6	-3,542.5	11.8	1,537.5	4.27	-0.74	-4.21
14,573.0	91.00	176.00	11,226.5	-3,637.3	18.0	1,583.9	0.91	0.74	-0.53
14,669.0	90.20	174.50	11,225.5	-3,733.0	26.0	1,632.3	1.77	-0.83	-1.56
14,764.0	90.40	176.50	11,225.0	-3,827.7	33.4	1,679.9	2.12	0.21	2.11
14,859.0	89.10	173.70	11,225.4	-3,922.3	41.6	1,728.0	3.25	-1.37	-2.95
14,955.0	92.50	177.40	11,224.1	-4,018.0	49.0	1,775.9	5.23	3.54	3.85
15,051.0	89.50	178.10	11,222.4	-4,113.9	52.8	1,820.7	3.21	-3.13	0.73
15,146.0	90.90	182.00	11,222.1	-4,208.9	52.7	1,861.5	4.36	1.47	4.11
15,242.0	90.30	180.20	11,221.1	-4,304.9	50.8	1,901.2	1.98	-0.63	-1.88
15,338.0	89.80	175.70	11,221.0	-4,400.8	54.3	1,945.7	4.72	-0.52	-4.69
15,433.0	92.40	178.60	11,219.2	-4,495.6	59.0	1,990.8	4.10	2.74	3.05
15,529.0	91.30	179.40	11,216.1	-4,591.6	60.7	2,033.7	1.42	-1.15	0.83
15,623.0	92.20	180.50	11,213.2	-4,685.5	60.8	2,074.2	1.51	0.96	1.17
15,718.0	88.40	178.10	11,212.7	-4,780.5	61.9	2,116.2	4.73	-4.00	-2.53
15,813.0	89.30	180.00	11,214.6	-4,875.4	63.5	2,158.6	2.21	0.95	2.00
15,908.0	90.20	181.20	11,215.0	-4,970.4	62.5	2,198.6	1.58	0.95	1.26
16,003.0	91.00	182.50	11,214.0	-5,065.4	59.4	2,236.8	1.61	0.84	1.37
16,098.0	93.00	183.10	11,210.7	-5,160.2	54.8	2,273.4	2.20	2.11	0.63
16,194.0	87.80	182.10	11,210.0	-5,256.1	50.4	2,310.8	5.52	-5.42	-1.04
16,289.0	87.30	182.40	11,214.1	-5,350.9	46.7	2,348.3	0.61	-0.53	0.32
16,385.0	87.70	183.00	11,218.3	-5,446.7	42.2	2,385.5	0.75	0.42	0.63
16,480.0	89.90	184.10	11,220.3	-5,541.5	36.3	2,421.1	2.59	2.32	1.16
16,575.0	88.90	182.00	11,221.3	-5,636.3	31.3	2,457.4	2.45	-1.05	-2.21
16,670.0	90.90	178.60	11,221.4	-5,731.3	30.8	2,497.9	4.15	2.11	-3.58
16,766.0	89.80	181.30	11,220.9	-5,827.3	30.8	2,539.3	3.04	-1.15	2.81
16,861.0	91.80	179.90	11,219.5	-5,922.3	29.9	2,579.4	2.57	2.11	-1.47
16,955.0	91.50	178.80	11,216.8	-6,016.2	30.9	2,620.8	1.21	-0.32	-1.17
17,049.0	88.70	177.30	11,216.7	-6,110.2	34.1	2,664.2	3.38	-2.98	-1.60
17,144.0	90.30	177.70	11,217.5	-6,205.1	38.3	2,708.9	1.74	1.68	0.42
17,239.0	90.10	176.00	11,217.2	-6,299.9	43.5	2,754.4	1.80	-0.21	-1.79
17,333.0	88.90	178.90	11,218.0	-6,393.8	47.7	2,798.7	3.34	-1.28	3.09
17,428.0	90.80	177.90	11,218.2	-6,488.8	50.3	2,842.0	2.26	2.00	-1.05
17,522.0	91.60	179.90	11,216.3	-6,582.7	52.1	2,884.1	2.29	0.85	2.13



Microsoft Survey Report



Company: Mewbourne Oil Company
Project: Eddy County, New Mexico
Site: Section 14-23 -26S-29E Fuller 14-23 W2LM Fed Com 2
Well: Fuller 14-23 W2LM Fed Com #2H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Fuller 14-23 W2LM Fed Com #2H
TVD Reference: 2936 + 27 @ 2963.0usft (Patterson 245)
MD Reference: 2936 + 27 @ 2963.0usft (Patterson 245)
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)
17,617.0	89.80	183.20	11,215.1	-6,677.7	49.5	2,922.7	3.96	-1.89	3.47
17,710.0	90.40	186.40	11,214.9	-6,770.3	41.8	2,955.6	3.50	0.65	3.44
17,804.0	90.50	184.90	11,214.2	-6,863.9	32.5	2,987.6	1.60	0.11	-1.60
17,899.0	91.00	188.90	11,212.9	-6,958.2	21.1	3,017.9	4.24	0.53	4.21
17,993.0	89.30	188.50	11,212.7	-7,051.1	6.9	3,045.2	1.86	-1.81	-0.43
18,079.0	91.20	180.60	11,212.3	-7,136.7	0.1	3,075.9	9.45	2.21	-9.19
18,173.0	91.60	179.90	11,210.0	-7,230.7	-0.3	3,116.1	0.86	0.43	-0.74
18,267.0	89.60	178.70	11,209.0	-7,324.7	0.8	3,157.6	2.48	-2.13	-1.28
18,362.0	90.10	181.40	11,209.3	-7,419.7	0.7	3,198.5	2.89	0.53	2.84
18,456.0	91.60	184.30	11,207.9	-7,513.5	-3.9	3,234.7	3.47	1.60	3.09
18,488.0	90.40	184.10	11,207.3	-7,545.4	-6.3	3,246.3	3.80	-3.75	-0.63
18,519.0	90.60	184.20	11,207.1	-7,576.4	-8.5	3,257.6	0.72	0.65	0.32
18,551.0	91.20	185.60	11,206.6	-7,608.2	-11.3	3,268.9	4.76	1.88	4.38
18,583.0	90.20	185.30	11,206.2	-7,640.1	-14.3	3,279.9	3.26	-3.13	-0.94
18,614.0	89.50	185.20	11,206.3	-7,671.0	-17.1	3,290.6	2.28	-2.26	-0.32
18,645.0	89.60	186.90	11,206.5	-7,701.8	-20.4	3,301.0	5.49	0.32	5.48
18,676.0	89.60	188.40	11,206.7	-7,732.5	-24.5	3,310.5	4.84	0.00	4.84
18,708.0	90.10	190.00	11,206.8	-7,764.1	-29.7	3,319.5	5.24	1.56	5.00
18,739.0	90.10	192.10	11,206.7	-7,794.5	-35.6	3,327.2	6.77	0.00	6.77
18,748.0	90.20	192.80	11,206.7	-7,803.3	-37.5	3,329.3	7.86	1.11	7.78
18,800.0	90.20	192.80	11,206.5	-7,854.0	-49.1	3,340.7	0.00	0.00	0.00

18800' MD Projected to Bit - PBHL Fuller 14-23 W2LM Fed Com 2H - New PBHL Fuller W2LM 2H

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
487.0	486.9	-0.4	9.3	487' MD Rig Survey's
18,800.0	11,206.5	-7,854.0	-49.1	18800' MD Projected to Bit