



NM OIL CONSERVATION
ARTESIA DISTRICT

MAY 30 2017

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30-015-43858

Mewbourne Oil Company

Eddy County, New Mexico

Section 14-23-26S-29E Fuller 14-23B2LM Fed Com 1H

Fuller 14-23 B2LM Fed Com #1H

Original Hole

Design: Original Hole

Standard Survey Report

07 February, 2017





Microsoft Survey Report



Company: Mewbourne Oil Company
Project: Eddy County, New Mexico
Site: Section14-23-26S-29E Fuller 14-23B2LM Fed Com 1H
Well: Fuller 14-23 B2LM Fed Com #1H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Fuller 14-23 B2LM Fed Com #1H
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 Section14-23-26S-29E Fuller 14-23B2LM Fed Com 1H

Site Position: **Map** **Northings:** 379,411.30 usft **Latitude:** 32° 2' 33.256 N
From: **Easting:** 615,210.40 usft **Longitude:** 103° 57' 41.435 W
Position Uncertainty: 0.0 usft **Slot Radius:** 13-3/16 " **Grid Convergence:** 0.20 °

Well Fuller 14-23 B2LM Fed Com #1H

Well Position **+N/-S** 0.0 usft **Northings:** 379,411.30 usft **Latitude:** 32° 2' 33.256 N
+E/-W 0.0 usft **Easting:** 615,210.40 usft **Longitude:** 103° 57' 41.435 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	1/13/2017	7.17	59.84	47,835.44121950

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	104.57

Survey Program Date 2/7/2017

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
40.0	400.0	Rig Surveys (Original Hole)	MWD	MWD v3:standard declination
514.0	16,400.0	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)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
40.0	0.10	87.00	40.0	0.0	0.0	0.0	0.25	0.25	0.00
141.0	0.20	116.00	141.0	-0.1	0.3	0.3	0.12	0.10	28.71
264.0	1.40	96.00	264.0	-0.3	2.0	2.0	0.99	0.98	-16.26
326.0	1.80	92.00	326.0	-0.4	3.7	3.7	0.67	0.65	-6.45
400.0	1.60	94.00	399.9	-0.5	5.9	5.8	0.28	-0.27	2.70
Rig Survey									
514.0	1.90	116.90	513.9	-1.5	9.2	9.2	0.66	0.26	20.09
639.0	0.50	144.50	638.8	-2.9	11.3	11.7	1.18	-1.12	22.08

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763.0	0.10	173.40	762.8	-3.4	11.7	12.1	0.33	-0.32	23.31
861.0	0.40	148.30	860.8	-3.8	11.8	12.4	0.32	0.31	-25.61
957.0	0.50	147.40	956.8	-4.5	12.2	13.0	0.10	0.10	-0.94
1,052.0	0.40	117.40	1,051.8	-5.0	12.8	13.6	0.27	-0.11	-31.58
1,147.0	0.60	98.90	1,146.8	-5.2	13.5	14.4	0.27	0.21	-19.47
1,242.0	0.50	112.80	1,241.8	-5.4	14.4	15.3	0.17	-0.11	14.63
1,337.0	0.80	116.30	1,336.8	-5.9	15.4	16.4	0.32	0.32	3.68
1,433.0	0.80	119.60	1,432.8	-6.5	16.6	17.7	0.05	0.00	3.44
1,528.0	0.60	136.90	1,527.8	-7.2	17.5	18.7	0.30	-0.21	18.21
1,623.0	0.40	112.00	1,622.8	-7.7	18.1	19.5	0.31	-0.21	-26.21
1,718.0	0.40	102.90	1,717.8	-7.9	18.8	20.2	0.07	0.00	-9.58
1,813.0	0.30	12.30	1,812.8	-7.7	19.2	20.5	0.53	-0.11	-95.37
1,911.0	0.50	25.70	1,910.8	-7.1	19.4	20.5	0.22	0.20	13.67
2,007.0	0.70	10.00	2,006.8	-6.1	19.7	20.6	0.27	0.21	-16.35
2,102.0	1.00	5.30	2,101.8	-4.7	19.9	20.4	0.32	0.32	-4.95
2,197.0	1.40	351.80	2,196.8	-2.8	19.8	19.8	0.51	0.42	-14.21
2,291.0	0.20	325.20	2,290.8	-1.5	19.5	19.3	1.30	-1.28	-28.30
2,387.0	0.50	154.40	2,386.7	-1.7	19.6	19.4	0.73	0.31	-177.92
2,482.0	0.90	135.10	2,481.7	-2.6	20.3	20.3	0.48	0.42	-20.32
2,576.0	1.20	120.00	2,575.7	-3.6	21.7	21.9	0.43	0.32	-16.06
2,672.0	1.50	118.50	2,671.7	-4.7	23.6	24.1	0.31	0.31	-1.56
2,767.0	0.90	123.10	2,766.7	-5.7	25.4	26.0	0.64	-0.63	4.84
2,862.0	1.10	122.60	2,861.7	-6.6	26.8	27.6	0.21	0.21	-0.53
2,925.0	0.40	135.60	2,924.7	-7.1	27.4	28.3	1.14	-1.11	20.63
2,990.0	0.40	162.80	2,989.7	-7.5	27.6	28.6	0.29	0.00	41.85
3,085.0	0.20	142.00	3,084.7	-8.0	27.8	29.0	0.24	-0.21	-21.89
3,181.0	0.10	265.70	3,180.7	-8.1	27.9	29.0	0.28	-0.10	128.85
3,276.0	0.30	284.00	3,275.7	-8.0	27.5	28.7	0.22	0.21	19.26
3,372.0	0.50	320.60	3,371.7	-7.7	27.0	28.1	0.33	0.21	38.13
3,467.0	0.60	336.20	3,466.6	-6.9	26.6	27.4	0.19	0.11	16.42
3,562.0	0.50	340.30	3,561.6	-6.0	26.2	26.9	0.11	-0.11	4.32
3,657.0	0.40	332.70	3,656.6	-5.3	25.9	26.4	0.12	-0.11	-8.00
3,752.0	0.70	300.70	3,751.6	-4.8	25.3	25.7	0.44	0.32	-33.68
3,847.0	0.60	334.70	3,846.6	-4.0	24.6	24.8	0.41	-0.11	35.79
3,941.0	0.80	298.50	3,940.6	-3.3	23.8	23.8	0.50	0.21	-38.51
4,037.0	0.70	261.90	4,036.6	-3.0	22.6	22.6	0.50	-0.10	-38.13
4,102.0	0.70	271.90	4,101.6	-3.1	21.8	21.9	0.19	0.00	15.38
4,197.0	0.70	269.90	4,196.6	-3.0	20.7	20.8	0.03	0.00	-2.11
4,293.0	0.70	267.00	4,292.6	-3.1	19.5	19.6	0.04	0.00	-3.02
4,388.0	0.50	254.60	4,387.6	-3.2	18.5	18.7	0.25	-0.21	-13.05
4,483.0	0.40	262.40	4,482.6	-3.4	17.8	18.1	0.12	-0.11	8.21
4,578.0	0.50	253.40	4,577.6	-3.5	17.1	17.4	0.13	0.11	-9.47



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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)
4,673.0	0.60	258.20	4,672.6	-3.7	16.2	16.6	0.12	0.11	5.05
4,768.0	0.70	260.40	4,767.6	-3.9	15.1	15.6	0.11	0.11	2.32
4,864.0	0.70	254.60	4,863.6	-4.2	14.0	14.6	0.07	0.00	-6.04
4,960.0	0.70	232.20	4,959.6	-4.7	12.9	13.7	0.28	0.00	-23.33
5,055.0	0.70	214.70	5,054.6	-5.5	12.2	13.2	0.22	0.00	-18.42
5,150.0	1.00	210.20	5,149.5	-6.7	11.4	12.7	0.32	0.32	-4.74
5,245.0	0.90	181.70	5,244.5	-8.2	11.0	12.7	0.50	-0.11	-30.00
5,340.0	1.20	179.90	5,339.5	-9.9	10.9	13.1	0.32	0.32	-1.89
5,435.0	1.50	186.00	5,434.5	-12.2	10.8	13.5	0.35	0.32	6.42
5,530.0	0.90	212.90	5,529.5	-14.0	10.3	13.5	0.85	-0.63	28.32
5,625.0	0.90	235.90	5,624.5	-15.1	9.3	12.8	0.38	0.00	24.21
5,720.0	0.70	222.20	5,719.4	-15.9	8.3	12.0	0.29	-0.21	-14.42
5,815.0	1.00	206.70	5,814.4	-17.1	7.5	11.6	0.40	0.32	-16.32
5,911.0	1.00	213.20	5,910.4	-18.6	6.7	11.1	0.12	0.00	6.77
6,006.0	1.00	188.10	6,005.4	-20.1	6.1	10.9	0.46	0.00	-26.42
6,101.0	0.70	188.30	6,100.4	-21.5	5.9	11.1	0.32	-0.32	0.21
6,196.0	0.90	190.00	6,195.4	-22.8	5.7	11.2	0.21	0.21	1.79
6,291.0	1.10	165.80	6,290.4	-24.4	5.8	11.7	0.49	0.21	-25.47
6,386.0	1.10	173.70	6,385.4	-26.2	6.1	12.5	0.16	0.00	8.32
6,482.0	1.30	180.70	6,481.3	-28.2	6.2	13.1	0.26	0.21	7.29
6,574.0	1.30	195.30	6,573.3	-30.2	5.9	13.3	0.36	0.00	15.87
6,669.0	1.70	177.70	6,668.3	-32.7	5.7	13.7	0.64	0.42	-18.53
6,763.0	0.60	201.60	6,762.3	-34.5	5.5	14.0	1.25	-1.17	25.43
6,858.0	1.10	184.80	6,857.3	-35.9	5.3	14.1	0.58	0.53	-17.68
6,952.0	1.40	172.20	6,951.2	-37.9	5.4	14.7	0.43	0.32	-13.40
7,047.0	1.90	172.60	7,046.2	-40.7	5.7	15.8	0.53	0.53	0.42
7,143.0	1.30	162.80	7,142.2	-43.3	6.2	16.9	0.68	-0.63	-10.21
7,238.0	0.80	166.70	7,237.1	-44.9	6.7	17.8	0.53	-0.53	4.11
7,333.0	1.00	165.60	7,332.1	-46.4	7.1	18.5	0.21	0.21	-1.16
7,428.0	1.30	175.10	7,427.1	-48.3	7.4	19.3	0.37	0.32	10.00
7,523.0	0.70	180.00	7,522.1	-49.9	7.5	19.8	0.64	-0.63	5.16
7,619.0	0.70	202.80	7,618.1	-51.0	7.2	19.8	0.29	0.00	23.75
7,714.0	0.50	254.40	7,713.1	-51.7	6.6	19.4	0.58	-0.21	54.32
7,809.0	0.30	234.80	7,808.1	-52.0	6.0	18.9	0.25	-0.21	-20.63
7,905.0	0.40	172.50	7,904.1	-52.4	5.9	18.8	0.39	0.10	-64.90
7,961.0	0.40	176.20	7,960.1	-52.8	5.9	19.0	0.05	0.00	6.61
8,056.0	0.40	154.60	8,055.1	-53.4	6.1	19.3	0.16	0.00	-22.74
8,151.0	0.50	163.50	8,150.1	-54.1	6.3	19.7	0.13	0.11	9.37
8,183.0	3.60	174.10	8,182.0	-55.3	6.5	20.2	9.72	9.69	33.13
8,215.0	6.80	175.20	8,213.9	-58.2	6.7	21.1	10.00	10.00	3.44
8,247.0	9.40	174.80	8,245.6	-62.7	7.1	22.6	8.13	8.13	-1.25
8,279.0	14.20	173.80	8,276.9	-69.2	7.8	24.9	15.01	15.00	-3.13
8,311.0	16.70	168.50	8,307.7	-77.6	9.1	28.3	8.96	7.81	-16.56



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8,342.0	18.80	167.80	8,337.3	-86.8	11.1	32.5	6.81	6.77	-2.26
8,374.0	22.00	171.50	8,367.3	-97.8	13.0	37.2	10.78	10.00	11.56
8,406.0	26.00	172.20	8,396.5	-110.7	14.9	42.2	12.53	12.50	2.19
8,438.0	28.20	172.10	8,425.0	-125.1	16.9	47.8	6.88	6.88	-0.31
8,470.0	30.20	171.30	8,452.9	-140.6	19.1	53.9	6.37	6.25	-2.50
8,502.0	32.30	173.90	8,480.3	-157.0	21.2	60.1	7.80	6.56	8.13
8,533.0	35.60	176.10	8,506.0	-174.3	22.7	65.8	11.36	10.65	7.10
8,565.0	39.70	179.10	8,531.3	-193.8	23.5	71.5	14.03	12.81	9.38
8,597.0	42.30	179.10	8,555.5	-214.8	23.9	77.1	8.13	8.13	0.00
8,629.0	45.30	176.50	8,578.5	-236.9	24.7	83.5	10.93	9.38	-8.13
8,660.0	49.20	175.00	8,599.6	-259.6	26.4	90.9	13.07	12.58	-4.84
8,692.0	54.40	176.20	8,619.4	-284.7	28.3	99.0	16.51	16.25	3.75
8,724.0	57.70	176.60	8,637.2	-311.1	30.0	107.3	10.36	10.31	1.25
8,756.0	61.10	177.70	8,653.5	-338.7	31.4	115.5	11.03	10.63	3.44
8,788.0	64.60	179.00	8,668.1	-367.1	32.2	123.5	11.52	10.94	4.06
8,819.0	67.50	179.60	8,680.7	-395.4	32.5	130.9	9.52	9.35	1.94
8,851.0	70.70	180.20	8,692.1	-425.3	32.6	138.5	10.15	10.00	1.88
8,883.0	73.10	179.10	8,702.1	-455.7	32.8	146.3	8.18	7.50	-3.44
8,915.0	75.60	178.80	8,710.7	-486.5	33.3	154.6	7.86	7.81	-0.94
8,946.0	78.20	178.70	8,717.7	-516.7	34.0	162.9	8.39	8.39	-0.32
8,977.0	80.80	178.10	8,723.4	-547.2	34.8	171.4	8.60	8.39	-1.94
9,010.0	83.30	178.20	8,727.9	-579.9	35.9	180.6	7.58	7.58	0.30
9,041.0	86.00	178.80	8,730.8	-610.7	36.7	189.1	8.92	8.71	1.94
9,048.0	86.50	178.80	8,731.3	-617.7	36.9	191.0	7.14	7.14	0.00
9,124.0	90.40	178.20	8,733.3	-693.6	38.8	212.0	5.19	5.13	-0.79
9,220.0	91.20	178.50	8,732.0	-789.6	41.6	238.9	0.89	0.83	0.31
9,316.0	91.60	180.60	8,729.7	-885.5	42.4	263.7	2.23	0.42	2.19
9,411.0	88.50	179.10	8,729.6	-980.5	42.6	287.8	3.63	-3.26	-1.58
9,507.0	89.90	180.60	8,730.9	-1,076.5	42.9	312.2	2.14	1.46	1.56
9,602.0	87.40	180.90	8,733.1	-1,171.5	41.6	334.9	2.65	-2.63	0.32
9,698.0	87.00	180.40	8,737.8	-1,267.3	40.5	358.0	0.67	-0.42	-0.52
9,793.0	86.00	180.50	8,743.6	-1,362.2	39.8	381.1	1.06	-1.05	0.11
9,889.0	87.80	178.50	8,748.8	-1,458.0	40.6	406.0	2.80	1.88	-2.08
9,985.0	88.70	178.30	8,751.8	-1,553.9	43.3	432.7	0.96	0.94	-0.21
10,080.0	89.90	177.90	8,752.9	-1,648.9	46.5	459.7	1.33	1.26	-0.42
10,175.0	90.20	177.10	8,752.8	-1,743.8	50.6	487.5	0.90	0.32	-0.84
10,271.0	89.90	177.30	8,752.8	-1,839.7	55.3	516.2	0.38	-0.31	0.21
10,366.0	90.50	177.70	8,752.4	-1,934.6	59.4	544.1	0.76	0.63	0.42
10,462.0	90.20	177.90	8,751.8	-2,030.5	63.1	571.8	0.38	-0.31	0.21
10,557.0	91.40	179.20	8,750.5	-2,125.5	65.5	598.0	1.86	1.26	1.37
10,652.0	90.00	179.10	8,749.3	-2,220.4	66.9	623.2	1.48	-1.47	-0.11
10,747.0	90.90	180.60	8,748.6	-2,315.4	67.2	647.4	1.84	0.95	1.58

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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)
10,843.0	90.00	179.80	8,747.8	-2,411.4	66.8	671.2	1.25	-0.94	-0.83
10,938.0	91.00	180.30	8,747.0	-2,506.4	66.8	695.0	1.18	1.05	0.53
11,033.0	90.10	179.00	8,746.1	-2,601.4	67.3	719.4	1.66	-0.95	-1.37
11,127.0	90.00	177.40	8,746.0	-2,695.4	70.3	745.9	1.71	-0.11	-1.70
11,223.0	91.50	179.30	8,744.8	-2,791.3	73.1	772.7	2.52	1.56	1.98
11,318.0	90.20	178.80	8,743.4	-2,886.3	74.6	798.1	1.47	-1.37	-0.53
11,414.0	91.20	181.10	8,742.2	-2,982.3	74.7	822.4	2.61	1.04	2.40
11,510.0	90.70	180.30	8,740.6	-3,078.2	73.5	845.4	0.98	-0.52	-0.83
11,606.0	90.30	180.60	8,739.8	-3,174.2	72.8	868.8	0.52	-0.42	0.31
11,702.0	89.00	179.90	8,740.3	-3,270.2	72.4	892.5	1.54	-1.35	-0.73
11,797.0	89.70	182.40	8,741.4	-3,365.2	70.5	914.6	2.73	0.74	2.63
11,893.0	89.50	182.80	8,742.1	-3,461.1	66.1	934.5	0.47	-0.21	0.42
11,988.0	88.30	182.80	8,743.9	-3,556.0	61.5	953.8	1.26	-1.26	0.00
12,084.0	90.50	181.90	8,744.9	-3,651.9	57.5	974.2	2.48	2.29	-0.94
12,179.0	91.00	181.30	8,743.7	-3,746.8	54.9	995.5	0.82	0.53	-0.63
12,274.0	90.90	180.50	8,742.1	-3,841.8	53.4	1,017.9	0.85	-0.11	-0.84
12,371.0	89.70	179.40	8,741.6	-3,938.8	53.5	1,042.4	1.68	-1.24	-1.13
12,469.0	90.00	179.30	8,741.8	-4,036.8	54.6	1,068.1	0.32	0.31	-0.10
12,565.0	90.80	179.30	8,741.2	-4,132.8	55.8	1,093.4	0.83	0.83	0.00
12,660.0	90.10	178.80	8,740.4	-4,227.8	57.3	1,118.8	0.91	-0.74	-0.53
12,756.0	90.50	179.90	8,739.9	-4,323.7	58.4	1,144.0	1.22	0.42	1.15
12,851.0	90.90	180.00	8,738.8	-4,418.7	58.5	1,168.0	0.43	0.42	0.11
12,945.0	90.10	180.00	8,737.9	-4,512.7	58.5	1,191.6	0.85	-0.85	0.00
13,040.0	89.30	180.00	8,738.4	-4,607.7	58.5	1,215.5	0.84	-0.84	0.00
13,135.0	90.50	180.80	8,738.6	-4,702.7	57.8	1,238.7	1.52	1.26	0.84
13,230.0	91.00	181.90	8,737.4	-4,797.7	55.6	1,260.5	1.27	0.53	1.16
13,324.0	91.40	182.00	8,735.4	-4,891.6	52.4	1,281.0	0.44	0.43	0.11
13,419.0	91.60	181.20	8,732.9	-4,986.5	49.8	1,302.3	0.87	0.21	-0.84
13,514.0	91.10	180.30	8,730.7	-5,081.5	48.5	1,325.0	1.08	-0.53	-0.95
13,609.0	88.60	179.50	8,730.9	-5,176.5	48.7	1,349.0	2.76	-2.63	-0.84
13,705.0	88.40	179.50	8,733.4	-5,272.5	49.5	1,374.0	0.21	-0.21	0.00
13,800.0	88.40	179.10	8,736.1	-5,367.4	50.7	1,399.0	0.42	0.00	-0.42
13,895.0	90.30	179.50	8,737.2	-5,462.4	51.8	1,424.0	2.04	2.00	0.42
13,990.0	90.40	179.20	8,736.6	-5,557.4	52.9	1,448.9	0.33	0.11	-0.32
14,086.0	92.50	179.60	8,734.2	-5,653.4	53.9	1,474.0	2.23	2.19	0.42
14,181.0	89.80	178.90	8,732.3	-5,748.3	55.2	1,499.1	2.94	-2.84	-0.74
14,277.0	89.40	178.90	8,732.9	-5,844.3	57.0	1,525.0	0.42	-0.42	0.00
14,372.0	90.40	179.70	8,733.1	-5,939.3	58.2	1,550.1	1.35	1.05	0.84
14,468.0	89.40	179.30	8,733.3	-6,035.3	59.0	1,575.0	1.12	-1.04	-0.42
14,562.0	88.40	178.90	8,735.1	-6,129.3	60.5	1,600.1	1.15	-1.06	-0.43
14,657.0	89.20	178.90	8,737.0	-6,224.2	62.3	1,625.7	0.84	0.84	0.00
14,752.0	90.80	180.40	8,737.0	-6,319.2	62.9	1,650.2	2.31	1.68	1.58
14,847.0	90.00	180.20	8,736.4	-6,414.2	62.4	1,673.6	0.87	-0.84	-0.21



Microsoft Survey Report



Company: Mewbourne Oil Company
Project: Eddy County, New Mexico
Site: Section14-23-26S-29E Fuller 14-23B2LM Fed Com 1H
Well: Fuller 14-23 B2LM Fed Com #1H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Fuller 14-23 B2LM Fed Com #1H
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)
14,943.0	90.30	180.20	8,736.1	-6,510.2	62.1	1,697.4	0.31	0.31	0.00
15,039.0	90.40	180.00	8,735.5	-6,606.2	61.9	1,721.4	0.23	0.10	-0.21
15,134.0	91.90	180.60	8,733.6	-6,701.2	61.4	1,744.8	1.70	1.58	0.63
15,229.0	90.10	180.30	8,732.0	-6,796.2	60.6	1,768.0	1.92	-1.89	-0.32
15,325.0	90.70	181.00	8,731.3	-6,892.1	59.6	1,791.1	0.96	0.63	0.73
15,420.0	91.00	180.70	8,729.9	-6,987.1	58.1	1,813.6	0.45	0.32	-0.32
15,514.0	89.60	179.80	8,729.4	-7,081.1	57.7	1,836.8	1.77	-1.49	-0.96
15,609.0	90.10	180.10	8,729.7	-7,176.1	57.8	1,860.8	0.61	0.53	0.32
15,705.0	88.30	179.30	8,731.0	-7,272.1	58.3	1,885.4	2.05	-1.88	-0.83
15,799.0	90.50	180.00	8,732.0	-7,366.1	58.9	1,909.6	2.46	2.34	0.74
15,894.0	89.90	180.00	8,731.7	-7,461.1	58.9	1,933.5	0.63	-0.63	0.00
15,988.0	90.10	180.30	8,731.7	-7,555.1	58.6	1,956.9	0.38	0.21	0.32
16,083.0	92.00	181.30	8,729.9	-7,650.1	57.3	1,979.5	2.26	2.00	1.05
16,178.0	92.40	181.60	8,726.3	-7,745.0	54.9	2,001.1	0.53	0.42	0.32
16,273.0	92.90	181.90	8,721.9	-7,839.8	52.0	2,022.1	0.61	0.53	0.32
16,355.0	92.50	181.80	8,718.0	-7,921.7	49.4	2,040.1	0.50	-0.49	-0.12
16,400.0	92.50	181.80	8,716.0	-7,966.6	48.0	2,050.1	0.00	0.00	0.00

16400' MD Projected to Bit

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
400.0	399.9	-0.5	5.9	Rig Survey
16,400.0	8,716.0	-7,966.6	48.0	16400' MD Projected to Bit