



NM OIL CONSERVATION

ARTESIA DISTRICT

JUN 29 2017

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15-43168

Mewbourne Oil Company

Eddy County, New Mexico

Section 6-21S-27E Roscoe 6 B3AD Fed Com 1H

Roscoe 6 B3AD Fed Com 1H

Original Hole

Design: Original Hole

Standard Survey Report

21 March, 2017





Microsoft Survey Report



Company: Mewbourne Oil Company
Project: Eddy County, New Mexico
Site: Section 6-21S-27E Roscoe 6 B3AD Fed Com 1H
Well: Roscoe 6 B3AD Fed Com 1H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Roscoe 6 B3AD Fed Com 1H
TVD Reference: 3228 + 27 @ 3255.0usft (Patterson 242)
MD Reference: 3228 + 27 @ 3255.0usft (Patterson 242)
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 6-21S-27E Roscoe 6 B3AD Fed Com 1H

Site Position: **Northing:** 552,539.40 usft **Latitude:** 32° 31' 8.364 N
From: Map **Easting:** 534,698.60 usft **Longitude:** 104° 13' 14.742 W
Position Uncertainty: 0.0 usft **Slot Radius:** 13-3/16 " **Grid Convergence:** 0.06 °

Well Roscoe 6 B3AD Fed Com 1H

Well Position **+N/-S** 0.0 usft **Northing:** 552,539.40 usft **Latitude:** 32° 31' 8.364 N
+E/-W 0.0 usft **Easting:** 534,698.60 usft **Longitude:** 104° 13' 14.742 W
Position Uncertainty 0.0 usft **Wellhead Elevation:** 27.0 usft **Ground Level:** 3,228.0 usft

Wellbore Original Hole

Magnetics **Model Name** **Sample Date** **Declination (°)** **Dip Angle (°)** **Field Strength (nT)**
IGRF2015 2/1/2017 7.32 60.23 48,082.93157257

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 0.0 126.28

Survey Program **Date** 3/21/2017

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
100.0	7,820.0	Phoenix Tech Survey (Original Hole)	GyroFlex	
7,889.0	13,315.0	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
100.0	0.50	55.42	100.0	0.2	0.4	0.1	0.50	0.50	0.00
200.0	0.77	72.94	200.0	0.7	1.4	0.7	0.33	0.27	17.52
300.0	1.04	57.76	300.0	1.4	2.8	1.4	0.36	0.27	-15.18
400.0	1.14	53.02	400.0	2.5	4.3	2.0	0.13	0.10	-4.74
500.0	1.31	41.45	499.9	3.9	5.9	2.4	0.30	0.17	-11.57
600.0	1.21	52.35	599.9	5.4	7.5	2.8	0.26	-0.10	10.90
700.0	1.40	26.01	699.9	7.2	8.8	2.9	0.62	0.19	-26.34
800.0	1.56	18.02	799.9	9.5	9.8	2.3	0.26	0.16	-7.99



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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)
900.0	1.31	22.91	899.8	11.9	10.7	1.6	0.28	-0.25	4.89
1,000.0	1.51	22.06	999.8	14.2	11.6	1.0	0.20	0.20	-0.85
1,100.0	1.52	14.68	1,099.8	16.7	12.4	0.2	0.20	0.01	-7.38
1,200.0	1.49	20.03	1,199.7	19.2	13.2	-0.7	0.14	-0.03	5.35
1,300.0	1.49	26.52	1,299.7	21.6	14.2	-1.3	0.17	0.00	6.49
1,400.0	0.84	61.95	1,399.7	23.1	15.5	-1.2	0.94	-0.65	35.43
1,500.0	1.08	144.24	1,499.7	22.7	16.7	0.0	1.28	0.24	82.29
1,600.0	1.13	138.30	1,599.6	21.2	17.9	1.9	0.12	0.05	-5.94
1,700.0	1.38	133.08	1,699.6	19.6	19.4	4.1	0.27	0.25	-5.22
1,800.0	1.19	128.62	1,799.6	18.1	21.1	6.3	0.21	-0.19	-4.46
1,900.0	1.13	139.02	1,899.6	16.7	22.6	8.3	0.22	-0.06	10.40
2,000.0	1.25	147.87	1,999.6	15.1	23.8	10.3	0.22	0.12	8.85
2,100.0	1.46	150.54	2,099.5	13.0	25.0	12.4	0.22	0.21	2.67
2,200.0	1.32	152.56	2,199.5	10.9	26.2	14.6	0.15	-0.14	2.02
2,300.0	1.07	158.77	2,299.5	9.0	27.0	16.5	0.28	-0.25	6.21
2,400.0	0.97	158.44	2,399.5	7.3	27.7	18.0	0.10	-0.10	-0.33
2,500.0	1.01	176.56	2,499.4	5.7	28.0	19.2	0.31	0.04	18.12
2,600.0	0.90	165.83	2,599.4	4.0	28.3	20.4	0.21	-0.11	-10.73
2,700.0	1.04	162.30	2,699.4	2.4	28.8	21.8	0.15	0.14	-3.53
2,800.0	0.87	157.94	2,799.4	0.8	29.3	23.1	0.18	-0.17	-4.36
2,900.0	0.69	149.33	2,899.4	-0.4	29.9	24.3	0.21	-0.18	-8.61
3,000.0	0.58	150.59	2,999.4	-1.3	30.5	25.3	0.11	-0.11	1.26
3,100.0	0.60	116.45	3,099.4	-2.0	31.2	26.3	0.35	0.02	-34.14
3,200.0	0.49	109.30	3,199.4	-2.4	32.1	27.2	0.13	-0.11	-7.15
3,300.0	0.34	69.42	3,299.4	-2.4	32.7	27.8	0.32	-0.15	-39.88
3,400.0	0.51	35.24	3,399.4	-2.0	33.3	28.0	0.30	0.17	-34.18
3,500.0	0.85	13.56	3,499.4	-0.9	33.7	27.7	0.42	0.34	-21.68
3,600.0	0.97	12.07	3,599.4	0.7	34.0	27.0	0.12	0.12	-1.49
3,700.0	1.11	353.04	3,699.3	2.5	34.1	26.0	0.37	0.14	-19.03
3,800.0	1.17	357.71	3,799.3	4.4	33.9	24.7	0.11	0.06	4.67
3,900.0	1.51	350.04	3,899.3	6.8	33.7	23.1	0.38	0.34	-7.67
4,000.0	1.26	28.23	3,999.3	9.0	34.0	22.0	0.94	-0.25	38.19
4,100.0	1.22	3.59	4,099.2	11.1	34.6	21.3	0.53	-0.04	-24.64
4,200.0	1.38	355.16	4,199.2	13.3	34.5	19.9	0.25	0.16	-8.43
4,300.0	1.35	352.71	4,299.2	15.7	34.3	18.3	0.07	-0.03	-2.45
4,400.0	1.25	345.14	4,399.2	17.9	33.8	16.7	0.20	-0.10	-7.57
4,500.0	1.02	352.54	4,499.1	19.9	33.4	15.2	0.27	-0.23	7.40
4,600.0	1.06	345.54	4,599.1	21.6	33.1	13.9	0.13	0.04	-7.00
4,700.0	0.97	346.08	4,699.1	23.4	32.7	12.5	0.09	-0.09	0.54
4,800.0	1.03	338.24	4,799.1	25.0	32.1	11.1	0.15	0.06	-7.84
4,900.0	0.97	338.45	4,899.1	26.6	31.5	9.6	0.06	-0.06	0.21
5,000.0	1.12	313.88	4,999.1	28.1	30.5	7.9	0.47	0.15	-24.57

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Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Buid Rate (°/100usft)	Turn Rate (°/100usft)
5,100.0	1.24	306.45	5,099.0	29.4	28.9	5.9	0.19	0.12	-7.43
5,200.0	1.71	299.99	5,199.0	30.8	26.7	3.3	0.50	0.47	-6.46
5,300.0	2.59	300.53	5,298.9	32.7	23.5	-0.4	0.88	0.88	0.54
5,400.0	2.43	293.01	5,398.8	34.7	19.6	-4.7	0.37	-0.16	-7.52
5,500.0	2.17	303.92	5,498.8	36.6	16.1	-8.7	0.51	-0.26	10.91
5,600.0	2.22	306.24	5,598.7	38.8	12.9	-12.5	0.10	0.05	2.32
5,700.0	2.54	313.58	5,698.6	41.4	9.8	-16.6	0.44	0.32	7.34
5,800.0	2.50	316.59	5,798.5	44.5	6.7	-21.0	0.14	-0.04	3.01
5,900.0	2.41	318.57	5,898.4	47.7	3.8	-25.2	0.12	-0.09	1.98
6,000.0	2.39	322.85	5,998.3	50.9	1.1	-29.2	0.18	-0.02	4.28
6,100.0	1.91	334.27	6,098.3	54.1	-0.9	-32.7	0.64	-0.48	11.42
6,200.0	0.89	358.47	6,198.2	56.4	-1.6	-34.6	1.16	-1.02	24.20
6,300.0	1.09	112.70	6,298.2	58.8	-0.7	-34.2	1.67	0.20	114.23
6,400.0	0.89	97.99	6,398.2	56.3	0.9	-32.6	0.32	-0.20	-14.71
6,500.0	1.15	129.04	6,498.2	55.6	2.5	-30.9	0.60	0.26	31.05
6,600.0	1.70	112.59	6,598.2	54.4	4.6	-28.5	0.68	0.55	-16.45
6,700.0	1.47	151.33	6,698.1	52.7	6.6	-25.9	1.07	-0.23	38.74
6,800.0	1.61	174.93	6,798.1	50.2	7.3	-23.8	0.64	0.14	23.60
6,900.0	1.66	177.77	6,898.0	47.3	7.5	-21.9	0.10	0.05	2.84
7,000.0	1.96	185.62	6,998.0	44.2	7.4	-20.2	0.39	0.30	7.85
7,100.0	2.62	170.10	7,097.9	40.2	7.6	-17.6	0.90	0.66	-15.52
7,200.0	3.72	160.28	7,197.8	34.9	9.1	-13.3	1.22	1.10	-9.82
7,300.0	6.57	157.26	7,297.3	26.6	12.4	-5.7	2.86	2.85	-3.02
7,400.0	6.58	161.63	7,396.7	15.9	16.4	3.9	0.50	0.01	4.37
7,500.0	5.60	169.00	7,496.1	5.6	19.2	12.1	1.25	-0.98	7.37
7,600.0	4.69	174.75	7,595.7	-3.2	20.5	18.4	1.04	-0.91	5.75
7,700.0	2.92	177.70	7,695.5	-9.8	21.0	22.7	1.78	-1.77	2.95
7,800.0	2.51	180.27	7,795.4	-14.6	21.0	25.6	0.43	-0.41	2.57
7,820.0	2.57	175.95	7,815.4	-15.5	21.1	26.1	1.00	0.30	-21.60
7820' MD Phoenix Gyro Surveys									
7,889.0	2.80	197.30	7,884.3	-18.6	20.7	27.7	1.48	0.33	30.94
7,952.0	4.60	327.50	7,947.2	-18.0	18.9	25.8	10.72	2.86	206.67
8,015.0	4.80	329.40	8,010.0	-13.6	16.2	21.1	0.40	0.32	3.02
8,077.0	4.80	334.60	8,071.8	-9.0	13.7	16.4	0.70	0.00	8.39
8,108.0	7.50	336.60	8,102.6	-6.0	12.4	13.5	8.74	8.71	6.45
8,139.0	11.40	332.90	8,133.2	-1.4	10.2	9.0	12.73	12.58	-11.94
8,170.0	15.40	327.40	8,163.3	4.8	6.6	2.4	13.53	12.90	-17.74
8,202.0	18.70	323.50	8,193.9	12.5	1.2	-6.4	10.91	10.31	-12.19
8,233.0	21.50	320.80	8,223.0	20.9	-5.3	-16.7	9.51	9.03	-8.71
8,264.0	24.60	321.40	8,251.6	30.4	-12.9	-28.4	10.03	10.00	1.94
8,295.0	27.50	322.20	8,279.4	41.1	-21.4	-41.5	9.42	9.35	2.58
8,326.0	29.80	324.00	8,306.6	53.0	-30.3	-55.8	7.92	7.42	5.81
8,357.0	33.10	325.60	8,333.1	66.2	-39.6	-71.1	10.98	10.65	5.16



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8,389.0	36.20	327.30	8,359.4	81.4	-49.6	-88.2	10.15	9.69	5.31
8,420.0	39.60	328.60	8,383.8	97.5	-59.7	-105.8	11.27	10.97	4.19
8,451.0	43.50	328.20	8,407.0	115.0	-70.5	-124.9	12.61	12.58	-1.29
8,482.0	47.00	326.70	8,428.9	133.6	-82.4	-145.4	11.80	11.29	-4.84
8,513.0	51.10	325.80	8,449.2	153.0	-95.4	-167.4	13.41	13.23	-2.90
8,544.0	53.80	325.70	8,468.1	173.3	-109.2	-190.6	8.71	8.71	-0.32
8,576.0	56.30	326.30	8,486.4	195.1	-123.9	-215.3	7.96	7.81	1.88
8,607.0	59.20	326.10	8,502.9	216.9	-138.4	-239.9	9.37	9.35	-0.65
8,638.0	61.90	326.50	8,518.2	239.3	-153.4	-265.3	8.78	8.71	1.29
8,669.0	66.60	326.00	8,531.6	262.5	-168.9	-291.5	15.23	15.16	-1.61
8,700.0	69.60	325.90	8,543.2	286.3	-185.0	-318.6	9.68	9.68	-0.32
8,725.0	72.80	326.60	8,551.2	306.0	-198.2	-340.8	13.07	12.80	2.80
8,753.0	74.80	331.80	8,559.1	329.1	-211.9	-365.6	19.21	7.14	18.57
8,785.0	77.00	327.90	8,566.9	355.9	-227.5	-394.0	13.67	6.88	-12.19
8,816.0	80.00	326.70	8,573.0	381.5	-243.9	-422.4	10.39	9.68	-3.87
8,847.0	83.10	324.10	8,577.6	406.7	-261.3	-451.4	12.99	10.00	-8.39
8,878.0	85.00	323.50	8,580.8	431.6	-279.6	-480.8	6.42	6.13	-1.94
8,909.0	86.40	321.30	8,583.1	456.1	-298.4	-510.4	8.39	4.52	-7.10
8,940.0	87.50	318.20	8,584.8	479.7	-318.4	-540.5	10.60	3.55	-10.00
8,972.0	88.60	314.20	8,585.9	502.8	-340.5	-572.0	12.96	3.44	-12.50
9,003.0	89.00	310.80	8,586.5	523.7	-363.4	-602.8	11.04	1.29	-10.97
9,034.0	89.70	307.80	8,586.9	543.4	-387.4	-633.8	9.94	2.26	-9.68
9,065.0	89.80	304.80	8,587.0	561.7	-412.4	-664.8	9.68	0.32	-9.68
9,096.0	90.50	300.90	8,586.9	578.5	-438.4	-695.7	12.78	2.26	-12.58
9,128.0	91.20	298.00	8,586.5	594.3	-466.3	-727.5	9.32	2.19	-9.06
9,159.0	91.70	294.80	8,585.7	608.0	-494.0	-758.0	10.44	1.61	-10.32
9,190.0	92.30	290.40	8,584.6	619.9	-522.6	-788.1	14.32	1.94	-14.19
9,221.0	91.70	286.50	8,583.5	629.7	-552.0	-817.8	12.72	-1.94	-12.58
9,252.0	90.90	282.70	8,582.8	637.6	-582.0	-846.4	12.52	-2.58	-12.26
9,280.3	90.72	278.71	8,582.4	642.8	-609.8	-872.0	14.08	-0.62	-14.06
LP Roscoe 6 B3AD Fed Com 1H									
9,284.0	90.70	278.20	8,582.4	643.4	-613.4	-875.2	14.08	-0.63	-14.06
9,315.0	90.60	275.00	8,582.0	646.9	-644.2	-902.1	10.33	-0.32	-10.32
9,346.0	90.30	274.30	8,581.8	649.4	-675.1	-928.5	2.46	-0.97	-2.26
9,440.0	90.20	273.00	8,581.3	655.4	-768.9	-1,007.7	1.39	-0.11	-1.38
9,533.0	90.20	272.50	8,581.0	659.9	-861.8	-1,085.2	0.54	0.00	-0.54
9,627.0	89.90	271.70	8,580.9	663.3	-955.7	-1,163.0	0.91	-0.32	-0.85
9,720.0	91.00	271.20	8,580.2	665.7	-1,048.7	-1,239.3	1.30	1.18	-0.54
9,814.0	91.20	271.10	8,578.4	667.6	-1,142.7	-1,316.2	0.24	0.21	-0.11
9,907.0	90.90	270.70	8,576.7	669.0	-1,235.7	-1,392.0	0.54	-0.32	-0.43
10,001.0	91.60	270.10	8,574.7	669.7	-1,329.6	-1,468.1	0.98	0.74	-0.64
10,095.0	93.10	271.90	8,570.8	671.3	-1,423.5	-1,544.8	2.49	1.60	1.91
10,188.0	93.60	271.80	8,565.4	674.3	-1,516.3	-1,621.4	0.55	0.54	-0.11



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Local Co-ordinate Reference: Well Roscoe 6 B3AD Fed Com 1H
TVD Reference: 3228 + 27 @ 3255.0usft (Patterson 242)
MD Reference: 3228 + 27 @ 3255.0usft (Patterson 242)
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)
10,282.0	91.60	271.80	8,561.1	677.3	-1,610.2	-1,698.8	2.13	-2.13	0.00
10,375.0	92.30	272.60	8,557.9	680.8	-1,703.0	-1,775.8	1.14	0.75	0.86
10,469.0	92.20	272.40	8,554.2	684.9	-1,796.9	-1,853.8	0.24	-0.11	-0.21
10,562.0	92.50	272.60	8,550.4	689.0	-1,889.7	-1,931.1	0.39	0.32	0.22
10,656.0	91.70	272.30	8,547.0	693.0	-1,983.6	-2,009.1	0.91	-0.85	-0.32
10,750.0	90.10	272.30	8,545.5	696.8	-2,077.5	-2,087.0	1.70	-1.70	0.00
10,843.0	90.10	272.40	8,545.3	700.6	-2,170.4	-2,164.2	0.11	0.00	0.11
10,937.0	91.60	273.30	8,544.0	705.3	-2,264.3	-2,242.6	1.86	1.60	0.96
11,030.0	92.10	274.70	8,541.0	711.7	-2,357.0	-2,321.2	1.60	0.54	1.51
11,124.0	90.30	274.50	8,539.0	719.3	-2,450.7	-2,401.2	1.93	-1.91	-0.21
11,217.0	92.30	276.20	8,536.9	727.9	-2,543.2	-2,481.0	2.82	2.15	1.83
11,310.0	91.60	276.10	8,533.7	737.9	-2,635.8	-2,561.3	0.76	-0.75	-0.11
11,403.0	90.90	276.50	8,531.7	748.1	-2,728.1	-2,641.9	0.87	-0.75	0.43
11,497.0	91.80	276.80	8,529.5	759.0	-2,821.4	-2,723.6	1.01	0.96	0.32
11,591.0	89.20	276.60	8,528.6	770.0	-2,914.7	-2,805.3	2.77	-2.77	-0.21
11,684.0	90.10	276.70	8,529.2	780.7	-3,007.1	-2,886.1	0.97	0.97	0.11
11,777.0	94.20	277.30	8,525.7	792.0	-3,099.3	-2,967.2	4.46	4.41	0.65
11,871.0	93.40	275.60	8,519.5	802.6	-3,192.5	-3,048.6	2.00	-0.85	-1.81
11,965.0	95.00	275.20	8,512.6	811.4	-3,285.9	-3,129.0	1.75	1.70	-0.43
12,058.0	93.10	273.80	8,506.0	818.7	-3,378.3	-3,207.9	2.54	-2.04	-1.51
12,151.0	93.90	274.10	8,500.4	825.1	-3,470.9	-3,286.3	0.92	0.86	0.32
12,245.0	90.20	273.40	8,497.0	831.2	-3,564.7	-3,365.5	4.01	-3.94	-0.74
12,338.0	89.50	272.50	8,497.2	838.0	-3,657.5	-3,443.2	1.23	-0.75	-0.97
12,432.0	91.50	272.30	8,496.4	839.9	-3,751.4	-3,521.2	2.14	2.13	-0.21
12,525.0	92.20	272.10	8,493.4	843.5	-3,844.3	-3,598.2	0.78	0.75	-0.22
12,619.0	91.50	271.80	8,490.4	846.7	-3,938.2	-3,675.8	0.81	-0.74	-0.32
12,713.0	91.30	272.00	8,488.1	849.8	-4,032.1	-3,753.4	0.30	-0.21	0.21
12,806.0	90.70	271.20	8,486.5	852.4	-4,125.1	-3,829.8	1.08	-0.65	-0.86
12,900.0	91.20	271.50	8,484.9	854.6	-4,219.1	-3,906.9	0.62	0.53	0.32
12,994.0	90.60	270.70	8,483.4	856.4	-4,313.0	-3,983.7	1.06	-0.64	-0.85
13,087.0	94.40	271.40	8,479.4	858.1	-4,405.9	-4,059.6	4.15	4.09	0.75
13,180.0	93.40	272.20	8,473.1	861.0	-4,498.6	-4,136.1	1.38	-1.08	0.86
13,248.0	92.00	270.80	8,469.8	862.8	-4,566.5	-4,191.9	2.91	-2.06	-2.06
13,315.0	92.00	270.80	8,467.5	863.8	-4,633.5	-4,246.4	0.00	0.00	0.00

13315.0' MD Projected to Bit - PBHL Roscoe 6 B3AD Fed Com 1H



Microsoft Survey Report



Company: Mewbourne Oil Company
Project: Eddy County, New Mexico
Site: Section 6-21S-27E Roscoe 6 B3AD Fed Com 1H
Well: Roscoe 6 B3AD Fed Com 1H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Roscoe 6 B3AD Fed Com 1H
TVD Reference: 3228 + 27 @ 3255.0usft (Patterson 242)
MD Reference: 3228 + 27 @ 3255.0usft (Patterson 242)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Stryker_EDM

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
7,820.0	7,815.4	-15.5	21.1	7820' MD Phoenix Gyro Surveys
13,315.0	8,467.5	863.8	-4,633.5	13315.0' MD Projected to Bit



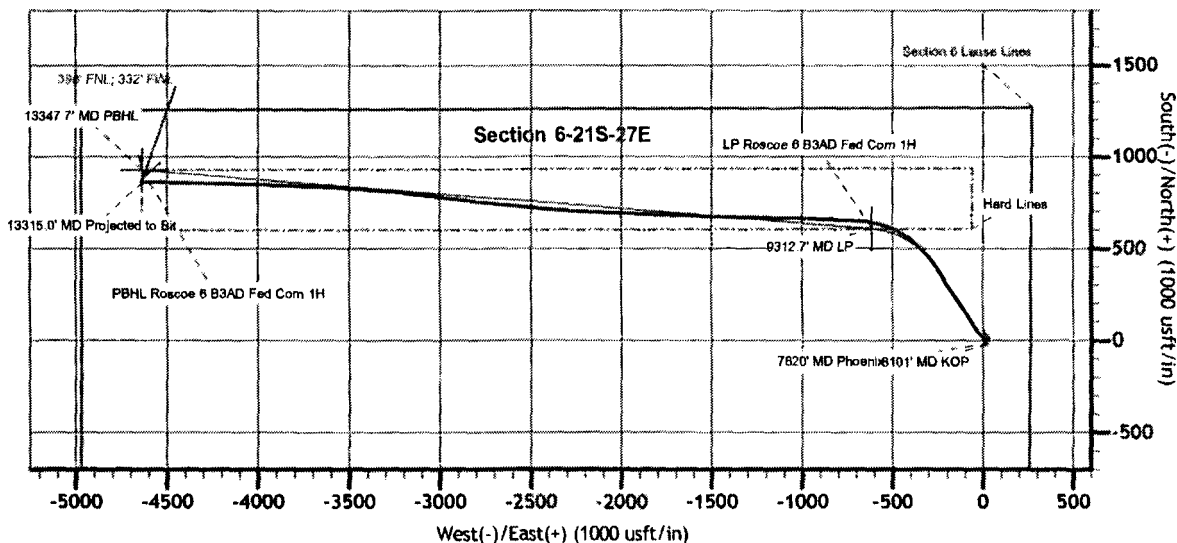
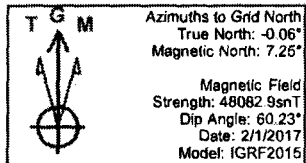
COMPANY: Mewbourne Oil Company
WELL: Roscoe 6 B3AD Fed Com 1H
COUNTY: Eddy County, New Mexico
DATUM: NAD 1927 (NADCON CONUS)
RIG: Patterson Patterson 242



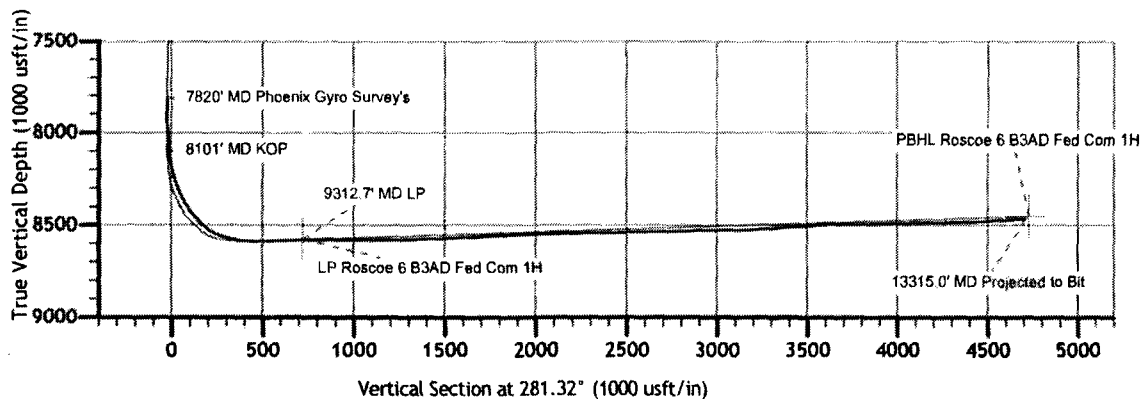
GRID CORRECTION: To convert a Magnetic Direction to a Grid Direction, Add 7.26°

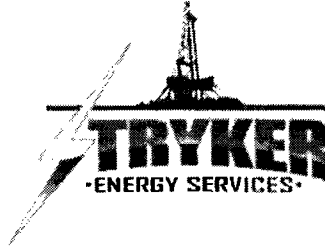
OFFICE: 936.582.7296

GEODETIC ZONE: New Mexico East 3001 3228 + 27 @ 3255.0usft (Patterson 242) GROUND ELEVATION: 3228.0										
	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot			
	0.0	0.0	552539.40	534698.60	32° 31' 8.364 N	104° 13' 14.742 W				
PLAN SECTIONS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSecl	Target
1	7820.0	2.57	175.95	7815.4	-15.5	21.1	0.00	0.00	-23.7	
2	7948.5	0.00	0.00	7943.8	-18.3	21.3	2.00	180.00	-24.5	
3	8101.0	0.00	0.00	8096.3	-18.3	21.3	0.00	0.00	-24.5	
4	8867.8	90.00	326.75	8584.4	389.9	-246.4	11.74	326.75	318.1	
5	9312.7	91.78	274.54	8577.0	608.9	-616.0	11.74	-87.76	723.5	LP Roscoe 6 B3AD Fed Com 1H
6	13347.7	91.78	274.54	8452.0	928.1	-4636.4	0.00	0.00	4728.4	PBHL Roscoe 6 B3AD Fed Com 1H



SHL 1270' FNL; 265' FEL
Section 6-21S-27E
PBHL 330' FNL; 330' FWL
Section 6-21S-27E





April 12, 2017

New Mexico Energy, Minerals and Natural Resources Department
Attn: Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505

Attn: Jackie Lathan

Re: Mewbourne Oil Company
Roscoe 6 B3AD Federal Com #001H
Avalon; Bone Spring (Gas)
Eddy County, New Mexico
API# 30-015-43168

Enclosed please find the original and one (1) copy of the survey performed on the reference well by STRYKER ENERGY DIRECTIONAL SERVICES, L.L.C. Other information required by your office is as follows:

<u>Name & Title</u>	<u>Drainhole No.</u>	<u>Survey Depths</u>	<u>Dates Performed</u>	<u>Type Survey</u>
David Calabrese	Original Hole	7,889ft. to 13,248ft.	03-03-17 to 03-21-17	MWD Survey

A certified plat on which the bottom-hole location is oriented to both surface location and to the lease lines (or unit lines in case of pooling) is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.


Todd Estes

Enclosures

CC:

Mewbourne Oil Company
Attn: Frosty Lathan
P.O. Box 5720
Hobbs, NM 88241

Mewbourne Oil Company
Attn: Robin Terrell
P.O. Box 5720
Hobbs, NM 88241

NMEMaNRD\Mewbourne Oil Company\Roscoe 6 B3AD Federal Com #1H\M171013

STRYKER ENERGY DIRECTIONAL SERVICES, L.L.C.
P.O. Box 1250
Montgomery, TX 77356
Office (936) 582-7296 * Fax (936)-588-4163