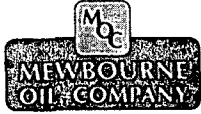


30 015 42526



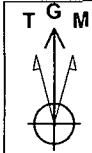
COMPANY: Mewbourne Oil Company
WELL: Ursa 27 B2IL Fed Com #1H
COUNTY: Eddy County, New Mexico
DATUM: NAD 1927 (NADCON CONUS)
RIG: Patterson #41



GRID CORRECTION: To convert a Magnetic Direction to a Grid Direction, Add 7.25°

OFFICE: 936.582.7296

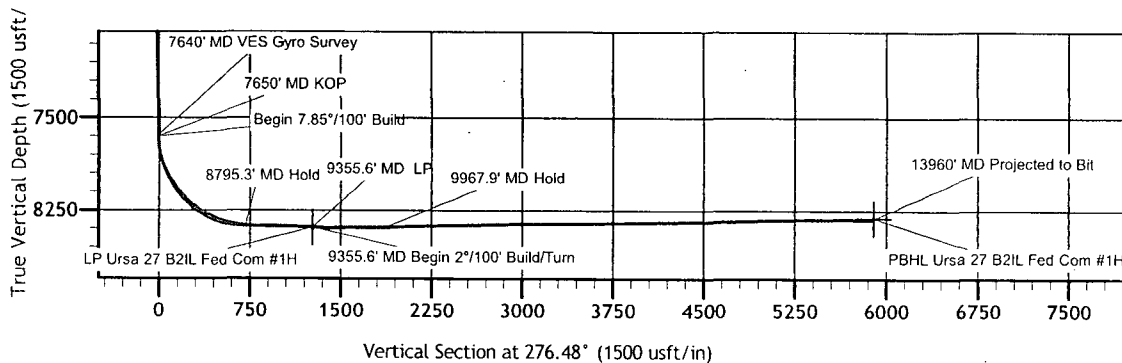
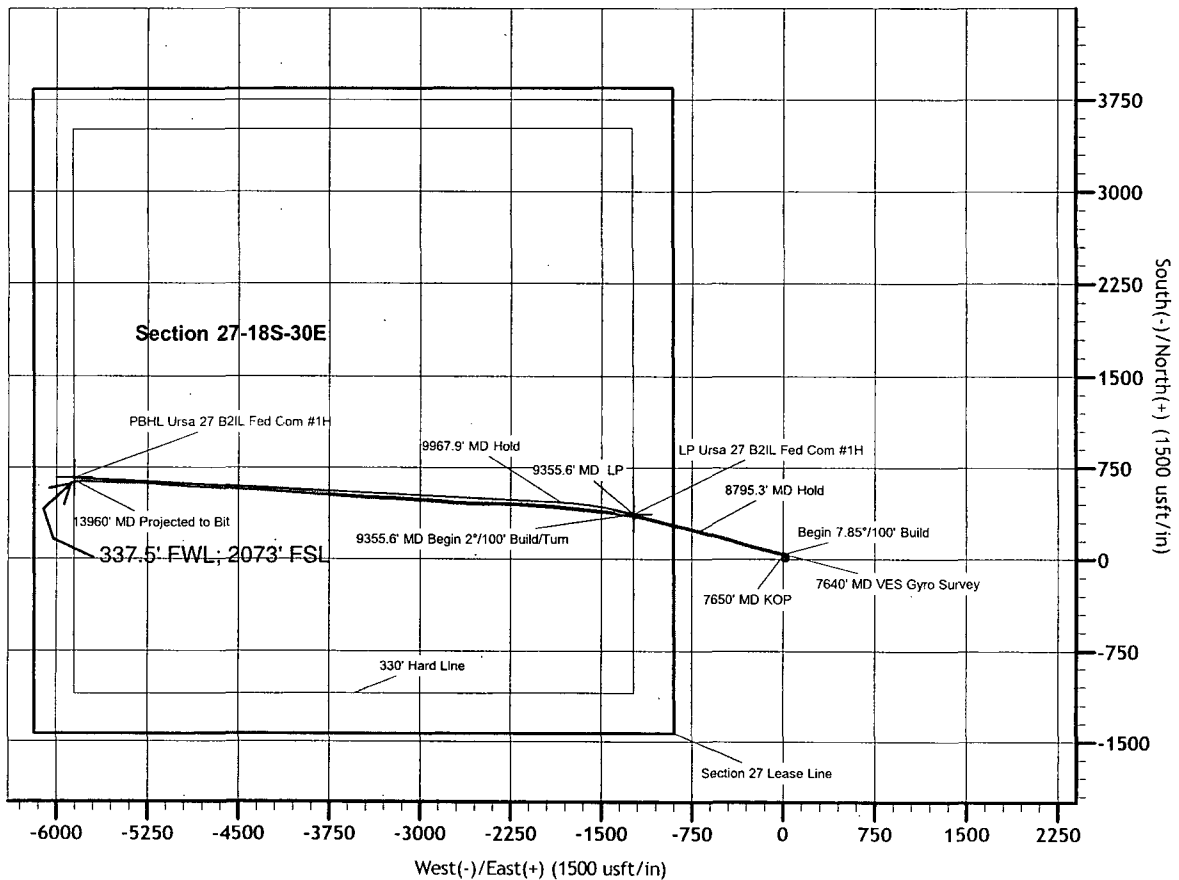
GEODETTIC ZONE: New Mexico East 3001					
GL 3408 + 20 @ 3428.0usft (Patterson #41)					
GROUND ELEVATION: 3408.0					
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.0	0.0	624026.70	618585.00	32° 42' 53.833 N	103° 56' 51.987 W
					Slot



Azimuths to Grid North
True North: -0.21°
Magnetic North: 7.25°

Magnetic Field
Strength: 48598.8snT
Dip Angle: 60.51°
Date: 3/3/2014
Model: IGRF2010

PLAN SECTIONS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSeet	Target
1	7640.0	0.43	137.43	7639.0	42.6	8.6	0.00	0.00	-3.7	
2	7650.0	0.43	137.43	7649.0	42.5	8.6	0.00	0.00	-3.8	
3	8795.3	89.54	284.98	8383.5	226.8	-691.6	7.85	147.55	712.7	
4	9355.6	89.54	284.98	8388.0	371.6	-1232.9	0.00	0.00	1266.9	LP Ursa 27 B2IL Fed Com #1H
5	9967.9	91.09	272.83	8384.6	466.2	-1836.6	2.00	-82.73	1877.5	
6	13993.1	91.09	272.83	8308.0	664.8	-5856.1	0.00	0.00	5893.8	PBHL Ursa 27 B2IL Fed Com #1H



Mewbourne Oil Company .

Eddy County, New Mexico

Section 27-18S-30E Ursa 27 B2IL Fed Com #1H

Ursa 27 B2IL Fed Com #1H

Original Hole

Design: Original Hole

Standard Survey Report

04 September, 2014

Stryker Directional Survey Report

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Ursa 27 B2IL Fed Com #1H
Project:	Eddy County, New Mexico	TVD Reference:	GL 3408 + 20' @ 3428.0usft (Patterson #41)
Site:	Section 27-18S-30E Ursa 27 B2IL Fed Com #1H	MD Reference:	GL 3408 + 20' @ 3428.0usft (Patterson #41)
Well:	Ursa 27 B2IL Fed Com #1H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	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 27-18S-30E Ursa 27 B2IL Fed Com #1H		
Site Position:		Northing:	624,026.70 usft
From:	Map	Easting:	618,585.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 42' 53.833 N
		Longitude:	103° 56' 51.987 W
		Grid Convergence:	0.21 °

Well	Ursa 27 B2IL Fed Com #1H		
Well Position	+N/-S	0.0 usft	Northing: 624,026.70 usft
	+E/-W	0.0 usft	Easting: 618,585.00 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		Latitude:	32° 42' 53.833 N
		Longitude:	103° 56' 51.987 W
		Ground Level:	3,408.0 usft

Wellbore	Original Hole		
-----------------	---------------	--	--

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	3/3/2014	7.46	60.51	48,599

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	276.48

Survey Program		Date 9/4/2014		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
100.0	7,640.0	VES Gyro Survey #1 (Original Hole)	GyroFlex	
7,674.0	13,960.0	Survey #2 (Original Hole)	MWD	MWD v3:standard declination

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	0.23	64.71	100.0	0.1	0.2	-0.2	0.23	0.23	0.00
200.0	0.36	73.37	200.0	0.3	0.7	-0.6	0.14	0.13	8.66
300.0	0.73	96.94	300.0	0.3	1.6	-1.6	0.43	0.37	23.57
400.0	0.65	93.55	400.0	0.2	2.8	-2.8	0.09	-0.08	-3.39
500.0	0.75	88.09	500.0	0.1	4.0	-4.0	0.12	0.10	-5.46
600.0	0.58	68.06	600.0	0.4	5.1	-5.1	0.29	-0.17	-20.03
700.0	0.59	95.08	700.0	0.5	6.1	-6.0	0.27	0.01	27.02
800.0	0.67	81.17	800.0	0.5	7.2	-7.1	0.17	0.08	-13.91
900.0	0.58	116.68	900.0	0.4	8.2	-8.1	0.39	-0.09	35.51

Stryker Directional Survey Report

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Ursa 27 B2IL Fed Com #1H
Project:	Eddy County, New Mexico	TVD Reference:	GL 3408 + 20 @ 3428.0usft (Patterson #41)
Site:	Section 27-18S-30E Ursa 27 B2IL Fed Com #1H	MD Reference:	GL 3408 + 20 @ 3428.0usft (Patterson #41)
Well:	Ursa 27 B2IL Fed Com #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)
1,000.0	0.50	110.31	1,000.0	0.0	9.1	-9.0	0.10	-0.08	-6.37
1,100.0	0.61	135.31	1,099.9	-0.5	9.9	-9.9	0.26	0.11	25.00
1,200.0	0.56	114.36	1,199.9	-1.1	10.7	-10.8	0.22	-0.05	-20.95
1,300.0	1.04	116.66	1,299.9	-1.7	12.0	-12.1	0.48	0.48	2.30
1,400.0	1.27	101.66	1,399.9	-2.3	13.9	-14.0	0.38	0.23	-15.00
1,500.0	1.67	87.75	1,499.9	-2.5	16.4	-16.6	0.53	0.40	-13.91
1,600.0	1.73	88.51	1,599.8	-2.4	19.4	-19.5	0.06	0.06	0.76
1,700.0	1.37	79.06	1,699.8	-2.1	22.0	-22.1	0.44	-0.36	-9.45
1,800.0	1.31	80.06	1,799.8	-1.7	24.3	-24.4	0.06	-0.06	1.00
1,900.0	1.08	58.12	1,899.7	-1.0	26.3	-26.2	0.51	-0.23	-21.94
2,000.0	1.02	40.65	1,999.7	0.2	27.7	-27.5	0.32	-0.06	-17.47
2,100.0	1.05	29.01	2,099.7	1.6	28.7	-28.3	0.21	0.03	-11.64
2,200.0	1.06	26.14	2,199.7	3.3	29.5	-29.0	0.05	0.01	-2.87
2,300.0	1.19	38.45	2,299.7	4.9	30.6	-29.8	0.27	0.13	12.31
2,400.0	1.14	36.71	2,399.7	6.5	31.8	-30.9	0.06	-0.05	-1.74
2,500.0	0.96	19.82	2,499.6	8.1	32.7	-31.6	0.36	-0.18	-16.89
2,600.0	0.67	357.87	2,599.6	9.5	33.0	-31.7	0.42	-0.29	-21.95
2,700.0	0.74	6.04	2,699.6	10.7	33.0	-31.6	0.12	0.07	8.17
2,800.0	0.83	5.68	2,799.6	12.1	33.2	-31.6	0.09	0.09	-0.36
2,900.0	0.84	7.13	2,899.6	13.5	33.3	-31.6	0.02	0.01	1.45
3,000.0	0.92	6.28	2,999.6	15.1	33.5	-31.6	0.08	0.08	-0.85
3,100.0	0.70	2.51	3,099.6	16.5	33.6	-31.5	0.23	-0.22	-3.77
3,200.0	0.90	7.47	3,199.6	17.9	33.7	-31.5	0.21	0.20	4.96
3,300.0	0.70	4.24	3,299.6	19.2	33.9	-31.5	0.20	-0.20	-3.23
3,400.0	0.65	350.69	3,399.6	20.4	33.8	-31.3	0.17	-0.05	-13.55
3,500.0	0.74	358.24	3,499.6	21.6	33.7	-31.1	0.13	0.09	7.55
3,600.0	0.88	353.75	3,599.5	23.0	33.6	-30.8	0.15	0.14	-4.49
3,700.0	0.70	356.86	3,699.5	24.4	33.5	-30.5	0.18	-0.18	3.11
3,800.0	0.71	357.04	3,799.5	25.6	33.4	-30.3	0.01	0.01	0.18
3,900.0	0.84	355.08	3,899.5	27.0	33.3	-30.1	0.13	0.13	-1.96
4,000.0	1.00	346.48	3,999.5	28.6	33.1	-29.6	0.21	0.16	-8.60
4,100.0	0.92	356.23	4,099.5	30.2	32.8	-29.2	0.18	-0.08	9.75
4,200.0	0.98	347.30	4,199.5	31.8	32.6	-28.8	0.16	0.06	-8.93
4,300.0	0.61	310.64	4,299.5	33.0	32.0	-28.1	0.61	-0.37	-36.66
4,400.0	0.78	305.98	4,399.5	33.8	31.0	-27.0	0.18	0.17	-4.66
4,500.0	0.66	314.06	4,499.4	34.6	30.1	-26.0	0.16	-0.12	8.08
4,600.0	0.30	250.21	4,599.4	34.9	29.4	-25.3	0.59	-0.36	-63.85
4,700.0	0.23	251.78	4,699.4	34.7	29.0	-24.9	0.07	-0.07	1.57
4,800.0	0.45	263.91	4,799.4	34.6	28.4	-24.3	0.23	0.22	12.13
4,900.0	0.31	261.67	4,899.4	34.5	27.7	-23.7	0.14	-0.14	-2.24
5,000.0	0.15	249.92	4,999.4	34.5	27.3	-23.3	0.17	-0.16	-11.75
5,100.0	0.20	259.24	5,099.4	34.4	27.0	-23.0	0.06	0.05	9.32
5,200.0	0.06	248.03	5,199.4	34.3	26.8	-22.8	0.14	-0.14	-11.21

Stryker Directional Survey Report

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Ursa 27-B2IL Fed Com #1H
Project:	Eddy County, New Mexico	TVD Reference:	GL 3408 + 20 @ 3428.0usft (Patterson #41)
Site:	Section 27-18S-30E Ursa 27 B2IL Fed Com #1H	MD Reference:	GL 3408 + 20 @ 3428.0usft (Patterson #41)
Well:	Ursa 27-B2IL Fed Com #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)
5,300.0	0.02	244.56	5,299.4	34.3	26.8	-22.7	0.04	-0.04	-3.47
5,400.0	0.10	249.82	5,399.4	34.3	26.7	-22.6	0.08	0.08	5.26
5,500.0	0.06	247.85	5,499.4	34.2	26.5	-22.5	0.04	-0.04	-1.97
5,600.0	0.06	135.19	5,599.4	34.2	26.5	-22.5	0.10	0.00	-112.66
5,700.0	0.05	153.42	5,699.4	34.1	26.6	-22.6	0.02	-0.01	18.23
5,800.0	0.80	120.80	5,799.4	33.7	27.2	-23.2	0.76	0.75	-32.62
5,900.0	0.85	125.46	5,899.4	32.9	28.4	-24.5	0.08	0.05	4.66
6,000.0	0.57	132.62	5,999.4	32.1	29.4	-25.6	0.29	-0.28	7.16
6,100.0	0.23	128.25	6,099.4	31.7	29.9	-26.1	0.34	-0.34	-4.37
6,200.0	0.32	258.66	6,199.4	31.5	29.8	-26.0	0.50	0.09	130.41
6,300.0	0.23	264.39	6,299.4	31.4	29.3	-25.6	0.09	-0.09	5.73
6,400.0	0.78	276.62	6,399.4	31.5	28.4	-24.7	0.56	0.55	12.23
6,500.0	0.89	298.97	6,499.4	31.9	27.1	-23.3	0.34	0.11	22.35
6,600.0	1.57	266.94	6,599.4	32.2	25.0	-21.2	0.94	0.68	-32.03
6,700.0	1.75	264.58	6,699.3	32.0	22.1	-18.4	0.19	0.18	-2.36
6,800.0	1.90	283.62	6,799.3	32.3	19.0	-15.2	0.62	0.15	19.04
6,900.0	1.88	295.30	6,899.2	33.3	15.9	-12.0	0.39	-0.02	11.68
7,000.0	2.01	316.38	6,999.2	35.3	13.2	-9.2	0.72	0.13	21.08
7,100.0	2.10	326.87	7,099.1	38.1	11.0	-6.6	0.39	0.09	10.49
7,200.0	1.24	329.67	7,199.1	40.6	9.5	-4.8	0.86	-0.86	2.80
7,300.0	0.85	320.46	7,299.0	42.1	8.4	-3.6	0.42	-0.39	-9.21
7,400.0	0.31	342.73	7,399.0	42.9	7.9	-3.0	0.58	-0.54	22.27
7,500.0	0.20	127.50	7,499.0	43.1	7.9	-3.0	0.49	-0.11	144.77
7,600.0	0.39	124.22	7,599.0	42.8	8.4	-3.5	0.19	0.19	-3.28
7,640.0	0.43	137.43	7,639.0	42.6	8.6	-3.7	0.26	0.10	33.03
7640' MD VES Gyro Survey									
7,674.0	1.00	178.50	7,673.0	42.2	8.7	-3.9	2.15	1.68	120.79
7,705.0	2.80	254.00	7,704.0	41.7	8.0	-3.2	8.80	5.81	243.55
7,737.0	6.00	269.30	7,735.9	41.5	5.5	-0.8	10.56	10.00	47.81
7,769.0	9.50	274.10	7,767.6	41.7	1.2	3.5	11.11	10.94	15.00
7,801.0	13.20	278.10	7,799.0	42.4	-5.0	9.8	11.81	11.56	12.50
7,832.0	16.90	282.30	7,828.9	43.8	-12.9	17.8	12.44	11.94	13.55
7,865.0	20.50	284.30	7,860.2	46.3	-23.2	28.3	11.08	10.91	6.06
7,897.0	22.80	285.00	7,889.9	49.3	-34.6	40.0	7.23	7.19	2.19
7,929.0	24.90	285.20	7,919.2	52.6	-47.1	52.8	6.57	6.56	0.63
7,961.0	26.80	284.80	7,948.0	56.2	-60.6	66.6	5.96	5.94	-1.25
7,993.0	29.00	284.10	7,976.3	60.0	-75.1	81.4	6.95	6.88	-2.19
8,025.0	31.70	283.40	8,003.9	63.8	-90.8	97.4	8.51	8.44	-2.19
8,056.0	34.40	283.40	8,029.9	67.7	-107.3	114.2	8.71	8.71	0.00
8,088.0	36.80	283.80	8,055.9	72.1	-125.4	132.7	7.54	7.50	1.25
8,121.0	39.00	284.10	8,081.9	77.0	-145.0	152.8	6.69	6.67	0.91
8,152.0	41.30	284.60	8,105.6	82.0	-164.4	172.6	7.49	7.42	1.61
8,184.0	43.60	284.50	8,129.2	87.4	-185.3	194.0	7.19	7.19	-0.31

Stryker Directional Survey Report

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Ursa 27 B2IL Fed Com #1H
Project:	Eddy County, New Mexico	TVD Reference:	GL 3408 + 20 @ 3428.0usft (Patterson #41)
Site:	Section 27-18S-30E Ursa 27 B2IL Fed Com #1H	MD Reference:	GL 3408 + 20 @ 3428.0usft (Patterson #41)
Well:	Ursa 27 B2IL Fed Com #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)
8,216.0	45.80	284.30	8,152.0	93.0	-207.1	216.3	6.89	6.88	-0.63
8,248.0	48.50	284.60	8,173.7	98.8	-229.8	239.5	8.47	8.44	0.94
8,280.0	51.90	285.30	8,194.2	105.2	-253.6	263.8	10.76	10.63	2.19
8,311.0	54.90	285.90	8,212.7	111.9	-277.5	288.4	9.80	9.68	1.94
8,343.0	57.00	286.40	8,230.6	119.2	-303.0	314.5	6.69	6.56	1.56
8,375.0	58.70	286.20	8,247.6	126.8	-329.0	341.2	5.34	5.31	-0.63
8,407.0	60.30	286.40	8,263.9	134.6	-355.5	368.4	5.03	5.00	0.63
8,439.0	61.90	286.60	8,279.3	142.5	-382.3	396.0	5.03	5.00	0.63
8,471.0	64.10	286.70	8,293.9	150.7	-409.6	424.0	6.88	6.88	0.31
8,502.0	66.70	286.60	8,306.8	158.8	-436.6	451.8	8.39	8.39	-0.32
8,534.0	69.30	286.40	8,318.8	167.2	-465.1	481.0	8.15	8.13	-0.63
8,566.0	71.50	286.60	8,329.5	175.8	-494.0	510.7	6.90	6.88	0.63
8,598.0	73.00	285.50	8,339.2	184.2	-523.3	540.7	5.72	4.69	-3.44
8,629.0	74.90	284.10	8,347.8	191.8	-552.1	570.2	7.51	6.13	-4.52
8,661.0	76.90	284.10	8,355.6	199.4	-582.2	601.0	6.25	6.25	0.00
8,693.0	79.00	284.30	8,362.3	207.0	-612.5	632.0	6.59	6.56	0.63
8,724.0	81.10	284.60	8,367.6	214.7	-642.1	662.2	6.84	6.77	0.97
8,756.0	83.40	284.50	8,372.0	222.6	-672.8	693.6	7.19	7.19	-0.31
8,788.0	85.60	284.10	8,375.0	230.5	-703.6	725.2	6.99	6.88	-1.25
8,820.0	87.80	284.10	8,376.9	238.3	-734.6	756.8	6.88	6.88	0.00
8,852.0	89.90	283.60	8,377.5	245.9	-765.7	788.5	6.75	6.56	-1.56
8,883.0	91.50	283.40	8,377.1	253.2	-795.8	819.3	5.20	5.16	-0.65
8,915.0	91.50	283.40	8,376.3	260.6	-826.9	851.1	0.00	0.00	0.00
8,947.0	89.60	283.10	8,376.0	267.9	-858.1	882.8	6.01	-5.94	-0.94
8,979.0	89.90	282.70	8,376.1	275.1	-889.3	914.6	1.56	0.94	-1.25
9,010.0	89.10	283.80	8,376.4	282.2	-919.5	945.4	4.39	-2.58	3.55
9,042.0	87.90	284.30	8,377.2	289.9	-950.5	977.1	4.06	-3.75	1.56
9,073.0	88.40	284.30	8,378.2	297.6	-980.5	1,007.8	1.61	1.61	0.00
9,105.0	89.70	284.30	8,378.8	305.5	-1,011.5	1,039.5	4.06	4.06	0.00
9,137.0	89.60	283.90	8,379.0	313.3	-1,042.5	1,071.2	1.29	-0.31	-1.25
9,169.0	88.00	283.10	8,379.6	320.8	-1,073.7	1,103.0	5.59	-5.00	-2.50
9,201.0	86.70	283.80	8,381.1	328.2	-1,104.7	1,134.7	4.61	-4.06	2.19
9,233.0	86.60	283.10	8,383.0	335.6	-1,135.8	1,166.4	2.21	-0.31	-2.19
9,264.0	87.00	282.50	8,384.7	342.5	-1,166.0	1,197.2	2.32	1.29	-1.94
9,374.0	87.60	279.20	8,389.9	363.2	-1,273.9	1,306.7	3.05	0.55	-3.00
9,405.0	88.50	278.70	8,390.9	368.0	-1,304.5	1,337.7	3.32	2.90	-1.61
9,437.0	89.00	277.80	8,391.6	372.6	-1,336.2	1,369.7	3.22	1.56	-2.81
9,469.0	90.00	277.60	8,391.9	376.9	-1,367.9	1,401.7	3.19	3.13	-0.63
9,500.0	90.70	276.70	8,391.7	380.7	-1,398.6	1,432.7	3.68	2.26	-2.90
9,532.0	90.70	276.00	8,391.3	384.3	-1,430.4	1,464.7	2.19	0.00	-2.19
9,564.0	90.80	275.70	8,390.9	387.5	-1,462.3	1,496.6	0.99	0.31	-0.94
9,627.0	91.30	275.10	8,389.8	393.4	-1,525.0	1,559.6	1.24	0.79	-0.95
9,690.0	91.10	275.30	8,388.5	399.1	-1,587.7	1,622.6	0.45	-0.32	0.32
9,754.0	90.30	276.00	8,387.7	405.4	-1,651.4	1,686.6	1.66	-1.25	1.09

Stryker Directional Survey Report

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Ursa 27 B2IL Fed Com #1H
Project:	Eddy County, New Mexico	TVD Reference:	GL 3408 + 20 @ 3428.0usft (Patterson #41)
Site:	Section 27-18S-30E Ursa 27 B2IL Fed Com #1H	MD Reference:	GL 3408 + 20 @ 3428.0usft (Patterson #41)
Well:	Ursa 27 B2IL Fed Com #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)
9,817.0	89.70	275.50	8,387.7	411.8	-1,714.1	1,749.6	1.24	-0.95	-0.79
9,880.0	89.90	275.30	8,387.9	417.7	-1,776.8	1,812.6	0.45	0.32	-0.32
9,943.0	90.70	275.70	8,387.6	423.7	-1,839.5	1,875.6	1.42	1.27	0.63
10,007.0	91.70	275.30	8,386.2	429.9	-1,903.2	1,939.5	1.68	1.56	-0.63
10,070.0	92.50	274.10	8,383.9	435.0	-1,965.9	2,002.5	2.29	1.27	-1.90
10,133.0	92.90	273.90	8,380.9	439.4	-2,028.7	2,065.3	0.71	0.63	-0.32
10,196.0	92.20	273.90	8,378.1	443.7	-2,091.5	2,128.2	1.11	-1.11	0.00
10,291.0	90.90	273.00	8,375.6	449.4	-2,186.3	2,223.0	1.66	-1.37	-0.95
10,386.0	92.10	270.60	8,373.1	452.4	-2,281.2	2,317.7	2.82	1.26	-2.53
10,481.0	90.50	270.70	8,370.9	453.5	-2,376.2	2,412.2	1.69	-1.68	0.11
10,575.0	90.30	270.90	8,370.3	454.8	-2,470.1	2,505.7	0.30	-0.21	0.21
10,670.0	91.60	272.30	8,368.7	457.4	-2,565.1	2,600.3	2.01	1.37	1.47
10,765.0	92.10	272.90	8,365.6	461.7	-2,659.9	2,695.1	0.82	0.53	0.63
10,860.0	91.50	274.60	8,362.6	467.9	-2,754.7	2,789.9	1.90	-0.63	1.79
10,955.0	89.90	274.40	8,361.5	475.4	-2,849.4	2,884.8	1.70	-1.68	-0.21
11,050.0	91.50	273.90	8,360.3	482.3	-2,944.1	2,979.7	1.76	1.68	-0.53
11,145.0	91.40	273.20	8,357.9	488.2	-3,038.9	3,074.6	0.74	-0.11	-0.74
11,240.0	90.40	273.90	8,356.4	494.0	-3,133.7	3,169.5	1.28	-1.05	0.74
11,335.0	89.70	272.20	8,356.3	499.1	-3,228.6	3,264.3	1.94	-0.74	-1.79
11,429.0	89.40	272.30	8,357.1	502.8	-3,322.5	3,358.0	0.34	-0.32	0.11
11,524.0	90.60	272.90	8,357.1	507.1	-3,417.4	3,452.8	1.41	1.26	0.63
11,619.0	90.40	273.90	8,356.3	512.7	-3,512.2	3,547.7	1.07	-0.21	1.05
11,714.0	90.80	273.40	8,355.3	518.8	-3,607.0	3,642.5	0.67	0.42	-0.53
11,809.0	92.20	274.80	8,352.8	525.6	-3,701.8	3,737.4	2.08	1.47	1.47
11,904.0	91.50	274.80	8,349.7	533.5	-3,796.4	3,832.3	0.74	-0.74	0.00
11,999.0	91.50	274.40	8,347.2	541.1	-3,891.0	3,927.2	0.42	0.00	-0.42
12,093.0	91.00	274.10	8,345.2	548.1	-3,984.8	4,021.1	0.62	-0.53	-0.32
12,188.0	90.20	273.70	8,344.2	554.5	-4,079.5	4,116.0	0.94	-0.84	-0.42
12,283.0	90.00	273.70	8,344.0	560.7	-4,174.3	4,210.9	0.21	-0.21	0.00
12,378.0	90.50	273.70	8,343.6	566.8	-4,269.1	4,305.8	0.53	0.53	0.00
12,473.0	91.50	273.00	8,341.9	572.4	-4,363.9	4,400.7	1.28	1.05	-0.74
12,568.0	91.00	272.70	8,339.9	577.1	-4,458.8	4,495.5	0.61	-0.53	-0.32
12,663.0	91.20	273.60	8,338.0	582.3	-4,553.6	4,590.3	0.97	0.21	0.95
12,757.0	91.70	272.50	8,335.7	587.3	-4,647.5	4,684.1	1.29	0.53	-1.17
12,852.0	90.80	272.50	8,333.6	591.4	-4,742.4	4,778.8	0.95	-0.95	0.00
12,946.0	91.10	272.90	8,332.0	595.9	-4,836.3	4,872.6	0.53	0.32	0.43
13,041.0	91.80	273.40	8,329.6	601.1	-4,931.1	4,967.4	0.91	0.74	0.53
13,136.0	92.00	274.10	8,326.5	607.3	-5,025.8	5,062.2	0.77	0.21	0.74
13,231.0	91.30	274.60	8,323.7	614.5	-5,120.5	5,157.1	0.91	-0.74	0.53
13,325.0	91.20	274.30	8,321.7	621.8	-5,214.2	5,251.1	0.34	-0.11	-0.32
13,420.0	91.70	273.00	8,319.3	627.8	-5,309.0	5,345.9	1.47	0.53	-1.37
13,515.0	89.10	269.20	8,318.6	629.7	-5,403.9	5,440.5	4.85	-2.74	-4.00
13,610.0	91.30	272.20	8,318.3	630.8	-5,498.9	5,535.0	3.92	2.32	3.16

Stryker Directional Survey Report

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Ursa 27 B2IL Fed Com #1H
Project:	Eddy County, New Mexico	TVD Reference:	GL 3408 +20 @ 3428.0usft (Patterson #41)
Site:	Section 27-18S-30E Ursa 27-B2IL Fed Com #1H	MD Reference:	GL 3408 +20 @ 3428.0usft (Patterson #41)
Well:	Ursa 27 B2IL Fed Com #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)
13,705.0	89.60	272.30	8,317.5	634.6	-5,593.8	5,629.7	1.79	-1.79	0.11
13,799.0	88.60	271.80	8,319.0	637.9	-5,687.8	5,723.4	1.19	-1.06	-0.53
13,894.0	89.60	269.50	8,320.5	639.0	-5,782.7	5,817.9	2.64	1.05	-2.42
13,960.0	89.60	269.50	8,321.0	638.4	-5,848.7	5,883.4	0.00	0.00	0.00
13960' MD Projected to Bit									

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
7,640.0	7,639.0	42.6	8.6	7640' MD VES Gyro Survey
13,960.0	8,321.0	638.4	-5,848.7	13960' MD Projected to Bit