

NM OIL CONSERVATION
ARTESIA DISTRICT

SEP 16 2014

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15-42353

Mewbourne Oil Company .

Eddy County, New Mexico

Section 35-23S-28E Layla 35 B2NC #2H

Layla 35 B2NC #2H

Original Hole

Design: Original Hole

Standard Survey Report

02 September, 2014

Please provide signature page for survey

Stryker Directional Survey Report

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Layla 35 B2NC #2H
Project:	Eddy County, New Mexico	TVD Reference:	3017 + 20 @ 3037.0usft (Rig #36)
Site:	Section 35-23S-28E Layla 35 B2NC #2H	MD Reference:	3017 + 20 @ 3037.0usft (Rig #36)
Well:	Layla 35 B2NC #2H	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 35-23S-28E Layla 35 B2NC #2H		
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Site Position:		Northing:	456,465.50 usft	Latitude:	32° 15' 16.727 N
From:	Map	Easting:	584,274.60 usft	Longitude:	104° 3' 38.590 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.15 °

Well	Layla 35 B2NC #2H				
Well Position	+N/-S	0.0 usft	Northing:	456,465.50 usft	Latitude: 32° 15' 16.727 N
	+E/-W	0.0 usft	Easting:	584,274.60 usft	Longitude: 104° 3' 38.590 W
Position Uncertainty	0.0 usft		Wellhead Elevation:	0.0 usft	Ground Level: 3,017.0 usft

Wellbore	Original Hole				
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Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	7/15/2014	7.44	60.06	48,276

Design	Original Hole				
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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	3.82

Survey Program		Date 8/29/2014			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
100.0	7,711.0	MS Gyro Survey #1 (Original Hole)	GyroFlex		
7,740.0	12,980.0	Stryker MWD Survey (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	0.71	337.27	100.0	0.6	-0.2	0.6	0.71	0.71	0.00
200.0	0.81	329.53	200.0	1.8	-0.8	1.7	0.14	0.10	-7.74
300.0	0.74	332.07	300.0	2.9	-1.5	2.8	0.08	-0.07	2.54
400.0	0.99	326.93	400.0	4.2	-2.3	4.1	0.26	0.25	-5.14
500.0	1.59	318.00	499.9	6.0	-3.7	5.7	0.63	0.60	-8.93
600.0	1.98	318.52	599.9	8.3	-5.7	7.9	0.39	0.39	0.52
700.0	1.90	313.40	699.8	10.7	-8.1	10.2	0.19	-0.08	-5.12
800.0	1.79	320.45	799.8	13.1	-10.3	12.4	0.25	-0.11	7.05
900.0	2.26	321.76	899.7	15.8	-12.5	15.0	0.47	0.47	1.31

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Well:	Layla 35 B2NC #2H	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	2.10	317.49	999.6	18.7	-15.0	17.7	0.23	-0.16	-4.27
1,100.0	2.19	315.95	1,099.6	21.5	-17.5	20.2	0.11	0.09	-1.54
1,200.0	1.74	308.07	1,199.5	23.8	-20.1	22.4	0.52	-0.45	-7.88
1,300.0	1.11	305.54	1,299.5	25.3	-22.0	23.7	0.63	-0.63	-2.53
1,400.0	0.81	274.90	1,399.5	25.9	-23.5	24.3	0.58	-0.30	-30.64
1,500.0	0.49	270.44	1,499.5	26.0	-24.7	24.3	0.32	-0.32	-4.46
1,600.0	0.41	258.11	1,599.5	25.9	-25.4	24.1	0.13	-0.08	-12.33
1,700.0	0.22	226.69	1,699.5	25.7	-25.9	23.9	0.25	-0.19	-31.42
1,800.0	1.34	115.25	1,799.5	25.0	-25.0	23.3	1.44	1.12	-111.44
1,900.0	3.71	114.46	1,899.4	23.2	-21.0	21.8	2.37	2.37	-0.79
2,000.0	4.04	116.01	1,999.1	20.3	-14.9	19.3	0.35	0.33	1.55
2,100.0	4.40	122.41	2,098.9	16.7	-8.5	16.1	0.59	0.36	6.40
2,200.0	5.20	119.35	2,198.5	12.4	-1.3	12.3	0.84	0.80	-3.06
2,300.0	5.97	117.42	2,298.0	7.8	7.3	8.3	0.79	0.77	-1.93
2,400.0	6.29	114.14	2,397.5	3.2	16.9	4.3	0.47	0.32	-3.28
2,500.0	4.89	116.54	2,497.0	-0.9	25.7	0.8	1.42	-1.40	2.40
2,600.0	3.54	113.25	2,596.7	-4.1	32.3	-1.9	1.37	-1.35	-3.29
2,700.0	2.85	116.72	2,696.5	-6.4	37.4	-3.9	0.72	-0.69	3.47
2,800.0	2.77	118.07	2,796.4	-8.7	41.7	-5.9	0.10	-0.08	1.35
2,900.0	2.30	112.45	2,896.3	-10.6	45.7	-7.5	0.53	-0.47	-5.62
3,000.0	1.74	109.69	2,996.3	-11.8	49.0	-8.6	0.57	-0.56	-2.76
3,100.0	1.54	112.38	3,096.2	-12.9	51.7	-9.4	0.21	-0.20	2.69
3,200.0	1.26	107.53	3,196.2	-13.7	54.0	-10.1	0.30	-0.28	-4.85
3,300.0	0.67	102.81	3,296.2	-14.2	55.6	-10.4	0.59	-0.59	-4.72
3,400.0	0.79	106.46	3,396.2	-14.5	56.8	-10.7	0.13	0.12	3.65
3,500.0	0.49	114.61	3,496.2	-14.9	57.9	-11.0	0.31	-0.30	8.15
3,600.0	0.37	94.42	3,596.2	-15.1	58.6	-11.1	0.19	-0.12	-20.19
3,700.0	0.34	111.78	3,696.2	-15.2	59.2	-11.2	0.11	-0.03	17.36
3,800.0	0.19	110.45	3,796.2	-15.4	59.6	-11.4	0.15	-0.15	-1.33
3,900.0	0.35	101.42	3,896.2	-15.5	60.1	-11.5	0.17	0.16	-9.03
4,000.0	0.13	80.47	3,996.2	-15.5	60.5	-11.5	0.23	-0.22	-20.95
4,100.0	0.16	135.85	4,096.2	-15.6	60.7	-11.5	0.14	0.03	55.38
4,200.0	0.23	152.50	4,196.2	-15.9	60.9	-11.8	0.09	0.07	16.65
4,300.0	0.12	121.64	4,296.2	-16.1	61.1	-12.0	0.14	-0.11	-30.86
4,400.0	0.27	136.44	4,396.2	-16.4	61.3	-12.2	0.16	0.15	14.80
4,500.0	0.23	141.40	4,496.2	-16.7	61.6	-12.5	0.05	-0.04	4.96
4,600.0	0.20	151.97	4,596.2	-17.0	61.8	-12.8	0.05	-0.03	10.57
4,700.0	0.14	142.46	4,696.2	-17.2	62.0	-13.1	0.07	-0.06	-9.51
4,800.0	0.40	217.77	4,796.2	-17.6	61.8	-13.5	0.39	0.26	75.31
4,900.0	0.65	209.89	4,896.1	-18.4	61.3	-14.3	0.26	0.25	-7.88
5,000.0	0.64	213.51	4,996.1	-19.3	60.7	-15.3	0.04	-0.01	3.62
5,100.0	0.63	197.85	5,096.1	-20.3	60.3	-16.3	0.17	-0.01	-15.66
5,200.0	0.61	212.45	5,196.1	-21.3	59.8	-17.3	0.16	-0.02	14.60

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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	0.88	214.41	5,296.1	-22.4	59.1	-18.4	0.27	0.27	1.96
5,400.0	1.13	227.02	5,396.1	-23.7	57.9	-19.8	0.33	0.25	12.61
5,500.0	0.98	219.69	5,496.1	-25.0	56.7	-21.2	0.20	-0.15	-7.33
5,600.0	0.87	232.75	5,596.1	-26.1	55.5	-22.4	0.24	-0.11	13.06
5,700.0	0.87	219.51	5,696.1	-27.2	54.4	-23.5	0.20	0.00	-13.24
5,800.0	0.74	224.71	5,796.1	-28.2	53.5	-24.6	0.15	-0.13	5.20
5,900.0	0.93	203.26	5,896.0	-29.4	52.7	-25.9	0.36	0.19	-21.45
6,000.0	0.87	210.17	5,996.0	-30.8	52.0	-27.3	0.12	-0.06	6.91
6,100.0	0.92	194.99	6,096.0	-32.3	51.4	-28.8	0.24	0.05	-15.18
6,200.0	1.06	219.69	6,196.0	-33.8	50.6	-30.3	0.45	0.14	24.70
6,300.0	1.21	208.43	6,296.0	-35.4	49.5	-32.0	0.27	0.15	-11.26
6,400.0	1.42	225.75	6,396.0	-37.2	48.1	-33.9	0.45	0.21	17.32
6,500.0	1.55	234.13	6,495.9	-38.8	46.2	-35.7	0.25	0.13	8.38
6,600.0	1.81	241.10	6,595.9	-40.4	43.7	-37.4	0.33	0.26	6.97
6,700.0	2.00	253.45	6,695.8	-41.7	40.6	-38.9	0.45	0.19	12.35
6,800.0	1.86	249.19	6,795.8	-42.7	37.4	-40.1	0.20	-0.14	-4.26
6,900.0	1.57	156.68	6,895.7	-44.6	36.5	-42.0	2.49	-0.29	-92.51
7,000.0	2.18	159.36	6,995.7	-47.6	37.7	-45.0	0.62	0.61	2.68
7,100.0	2.34	184.94	7,095.6	-51.4	38.2	-48.8	1.01	0.16	25.58
7,200.0	2.52	186.28	7,195.5	-55.6	37.8	-53.0	0.19	0.18	1.34
7,300.0	3.01	189.13	7,295.4	-60.4	37.1	-57.8	0.51	0.49	2.85
7,400.0	1.90	190.87	7,395.3	-64.6	36.4	-62.1	1.11	-1.11	1.74
7,500.0	1.73	184.02	7,495.3	-67.8	36.0	-65.2	0.28	-0.17	-6.85
7,600.0	2.67	166.48	7,595.2	-71.5	36.4	-69.0	1.15	0.94	-17.54
7,700.0	3.00	164.98	7,695.1	-76.3	37.6	-73.7	0.34	0.33	-1.50
7,711.0	3.02	164.27	7,706.1	-76.9	37.8	-74.2	0.38	0.18	-6.45
7711' MD MS Gyro Survey									
7,754.0	2.40	194.30	7,749.0	-78.9	37.8	-76.2	3.55	-1.44	69.84
7,785.0	1.50	306.80	7,780.0	-79.2	37.4	-76.6	10.58	-2.90	362.90
7,817.0	4.70	347.30	7,811.9	-77.7	36.7	-75.1	11.53	10.00	126.56
7,848.0	6.90	8.90	7,842.8	-74.6	36.7	-72.0	9.88	7.10	69.68
7,880.0	10.40	8.00	7,874.4	-69.9	37.4	-67.2	10.95	10.94	-2.81
7,912.0	13.30	13.80	7,905.7	-63.4	38.7	-60.7	9.79	9.06	18.13
7,944.0	16.00	15.90	7,936.7	-55.6	40.8	-52.8	8.60	8.44	6.56
7,975.0	19.10	15.20	7,966.2	-46.6	43.3	-43.6	10.02	10.00	-2.26
8,007.0	22.80	13.30	7,996.1	-35.5	46.1	-32.4	11.75	11.56	-5.94
8,039.0	26.90	12.00	8,025.2	-22.4	49.0	-19.1	12.93	12.81	-4.06
8,071.0	30.40	10.50	8,053.2	-7.4	52.0	-3.9	11.17	10.94	-4.69
8,102.0	33.00	7.80	8,079.6	8.7	54.6	12.3	9.55	8.39	-8.71
8,134.0	35.60	4.80	8,106.0	26.6	56.6	30.4	9.69	8.13	-9.38
8,166.0	38.80	2.90	8,131.5	45.9	57.9	49.7	10.62	10.00	-5.94
8,197.0	42.00	1.80	8,155.1	66.0	58.7	69.8	10.58	10.32	-3.55
8,229.0	45.60	1.70	8,178.2	88.2	59.3	91.9	11.25	11.25	-0.31

Stryker Directional Survey Report

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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)
8,261.0	49.20	2.00	8,199.9	111.7	60.1	115.4	11.27	11.25	0.94
8,293.0	52.50	1.70	8,220.1	136.5	60.9	140.2	10.34	10.31	-0.94
8,324.0	57.00	1.80	8,238.0	161.8	61.7	165.5	14.52	14.52	0.32
8,356.0	61.80	1.80	8,254.3	189.3	62.5	193.1	15.00	15.00	0.00
8,388.0	67.40	1.10	8,268.0	218.2	63.3	221.9	17.61	17.50	-2.19
8,419.0	72.90	0.40	8,278.5	247.3	63.7	251.0	17.87	17.74	-2.26
8,441.0	76.90	0.40	8,284.2	268.6	63.8	272.2	18.18	18.18	0.00
8,487.0	83.40	0.60	8,292.1	313.9	64.2	317.5	14.14	14.13	0.43
8,519.0	83.70	0.40	8,295.7	345.7	64.5	349.2	1.12	0.94	-0.63
8,551.0	86.70	0.30	8,298.4	377.6	64.7	381.0	9.38	9.38	-0.31
8,582.0	89.50	0.60	8,299.4	408.5	64.9	411.9	9.08	9.03	0.97
8,614.0	90.00	0.60	8,299.5	440.5	65.2	443.9	1.56	1.56	0.00
8,646.0	90.90	1.50	8,299.3	472.5	65.8	475.9	3.98	2.81	2.81
8,678.0	91.00	1.70	8,298.8	504.5	66.7	507.8	0.70	0.31	0.63
8,709.0	90.40	3.80	8,298.4	535.5	68.2	538.8	7.04	-1.94	6.77
8,741.0	89.30	4.70	8,298.5	567.4	70.6	570.8	4.44	-3.44	2.81
8,772.0	88.10	5.90	8,299.2	598.2	73.5	601.8	5.47	-3.87	3.87
8,804.0	90.00	6.40	8,299.7	630.0	76.9	633.8	6.14	5.94	1.56
8,836.0	90.60	6.60	8,299.5	661.8	80.5	665.7	1.98	1.88	0.63
8,868.0	89.20	7.80	8,299.6	693.6	84.5	697.7	5.76	-4.38	3.75
8,899.0	86.90	8.00	8,300.6	724.3	88.8	728.6	7.45	-7.42	0.65
8,931.0	85.50	8.30	8,302.8	755.9	93.3	760.4	4.47	-4.38	0.94
8,963.0	84.20	7.50	8,305.6	787.4	97.7	792.2	4.76	-4.06	-2.50
8,994.0	83.50	4.80	8,309.0	818.1	101.0	823.0	8.95	-2.26	-8.71
9,018.0	82.70	2.70	8,311.8	841.9	102.5	846.8	9.30	-3.33	-8.75
9,049.0	84.00	359.90	8,315.4	872.6	103.2	877.6	9.90	4.19	-9.03
9,081.0	85.90	358.90	8,318.2	904.5	102.9	909.4	6.70	5.94	-3.13
9,113.0	88.70	358.90	8,319.7	936.5	102.3	941.2	8.75	8.75	0.00
9,144.0	90.30	0.30	8,320.0	967.5	102.1	972.1	6.86	5.16	4.52
9,176.0	92.20	1.30	8,319.3	999.4	102.5	1,004.1	6.71	5.94	3.13
9,208.0	92.60	1.80	8,318.0	1,031.4	103.4	1,036.0	2.00	1.25	1.56
9,239.0	90.70	2.50	8,317.1	1,062.4	104.5	1,067.0	6.53	-6.13	2.26
9,271.0	90.60	2.40	8,316.7	1,094.3	105.9	1,099.0	0.44	-0.31	-0.31
9,303.0	90.40	2.50	8,316.4	1,126.3	107.3	1,131.0	0.70	-0.63	0.31
9,367.0	90.00	2.00	8,316.2	1,190.3	109.8	1,194.9	1.00	-0.63	-0.78
9,430.0	90.70	3.20	8,315.8	1,253.2	112.7	1,257.9	2.21	1.11	1.90
9,493.0	90.90	3.20	8,315.0	1,316.1	116.2	1,320.9	0.32	0.32	0.00
9,556.0	90.70	2.70	8,314.1	1,379.0	119.4	1,383.9	0.85	-0.32	-0.79
9,619.0	90.40	2.40	8,313.5	1,441.9	122.2	1,446.9	0.67	-0.48	-0.48
9,683.0	90.50	3.10	8,313.0	1,505.9	125.3	1,510.9	1.10	0.16	1.09
9,746.0	90.50	3.20	8,312.4	1,568.8	128.7	1,573.9	0.16	0.00	0.16
9,809.0	90.70	2.90	8,311.8	1,631.7	132.1	1,636.8	0.57	0.32	-0.48
9,872.0	90.60	2.00	8,311.0	1,694.6	134.8	1,699.8	1.44	-0.16	-1.43
9,935.0	90.70	3.80	8,310.3	1,757.5	138.0	1,762.8	2.86	0.16	2.86

Stryker Directional Survey Report

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Layla 35 B2NC #2H
Project:	Eddy County, New Mexico	TVD Reference:	3017 + 20 @ 3037.0usft (Rig #36)
Site:	Section 35-23S-28E Layla 35 B2NC #2H	MD Reference:	3017 + 20 @ 3037.0usft (Rig #36)
Well:	Layla 35 B2NC #2H	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)
9,999.0	89.30	4.50	8,310.3	1,821.3	142.6	1,826.8	2.45	-2.19	1.09
10,062.0	89.30	4.10	8,311.1	1,884.2	147.3	1,889.8	0.63	0.00	-0.63
10,125.0	89.20	3.20	8,311.9	1,947.0	151.3	1,952.8	1.44	-0.16	-1.43
10,188.0	88.90	2.50	8,313.0	2,009.9	154.5	2,015.8	1.21	-0.48	-1.11
10,251.0	89.00	2.40	8,314.1	2,072.9	157.2	2,078.7	0.22	0.16	-0.16
10,314.0	88.90	1.80	8,315.3	2,135.8	159.5	2,141.7	0.97	-0.16	-0.95
10,377.0	89.60	3.10	8,316.1	2,198.8	162.2	2,204.7	2.34	1.11	2.06
10,441.0	89.70	3.20	8,316.5	2,262.7	165.7	2,268.7	0.22	0.16	0.16
10,504.0	89.60	3.10	8,316.9	2,325.6	169.1	2,331.7	0.22	-0.16	-0.16
10,567.0	89.50	2.70	8,317.4	2,388.5	172.3	2,394.7	0.65	-0.16	-0.63
10,631.0	89.50	4.00	8,317.9	2,452.4	176.1	2,458.6	2.03	0.00	2.03
10,694.0	90.00	4.00	8,318.2	2,515.2	180.5	2,521.6	0.79	0.79	0.00
10,757.0	90.20	4.00	8,318.1	2,578.1	184.9	2,584.6	0.32	0.32	0.00
10,821.0	90.50	4.00	8,317.7	2,641.9	189.3	2,648.6	0.47	0.47	0.00
10,884.0	90.40	3.60	8,317.2	2,704.8	193.5	2,711.6	0.65	-0.16	-0.63
10,947.0	90.10	3.10	8,316.9	2,767.7	197.2	2,774.6	0.93	-0.48	-0.79
11,011.0	90.80	4.00	8,316.4	2,831.5	201.1	2,838.6	1.78	1.09	1.41
11,074.0	90.70	3.60	8,315.6	2,894.4	205.3	2,901.6	0.65	-0.16	-0.63
11,138.0	89.50	4.30	8,315.5	2,958.2	209.7	2,965.6	2.17	-1.88	1.09
11,201.0	89.30	4.30	8,316.2	3,021.0	214.5	3,028.6	0.32	-0.32	0.00
11,264.0	89.20	4.10	8,317.0	3,083.9	219.1	3,091.6	0.35	-0.16	-0.32
11,327.0	89.20	4.30	8,317.9	3,146.7	223.7	3,154.6	0.32	0.00	0.32
11,391.0	88.90	4.10	8,318.9	3,210.5	228.4	3,218.6	0.56	-0.47	-0.31
11,454.0	88.90	4.00	8,320.1	3,273.3	232.8	3,281.6	0.16	0.00	-0.16
11,517.0	88.80	3.60	8,321.4	3,336.2	237.0	3,344.6	0.65	-0.16	-0.63
11,580.0	90.50	2.40	8,321.8	3,399.1	240.3	3,407.6	3.30	2.70	-1.90
11,643.0	90.80	1.80	8,321.1	3,462.1	242.6	3,470.5	1.06	0.48	-0.95
11,707.0	90.00	3.20	8,320.6	3,526.0	245.4	3,534.5	2.52	-1.25	2.19
11,770.0	90.30	3.40	8,320.5	3,588.9	249.0	3,597.5	0.57	0.48	0.32
11,833.0	90.10	3.10	8,320.2	3,651.8	252.6	3,660.5	0.57	-0.32	-0.48
11,896.0	90.00	2.70	8,320.2	3,714.7	255.8	3,723.5	0.65	-0.16	-0.63
11,960.0	90.20	2.90	8,320.1	3,778.6	258.9	3,787.5	0.44	0.31	0.31
12,023.0	90.60	4.10	8,319.6	3,841.5	262.7	3,850.5	2.01	0.63	1.90
12,086.0	89.60	4.00	8,319.5	3,904.4	267.2	3,913.5	1.60	-1.59	-0.16
12,149.0	89.60	3.80	8,320.0	3,967.2	271.5	3,976.5	0.32	0.00	-0.32
12,213.0	90.00	3.80	8,320.2	4,031.1	275.7	4,040.5	0.63	0.63	0.00
12,276.0	89.40	4.70	8,320.5	4,093.9	280.4	4,103.5	1.72	-0.95	1.43
12,339.0	89.50	4.70	8,321.1	4,156.7	285.5	4,166.5	0.16	0.16	0.00
12,402.0	89.30	4.50	8,321.8	4,219.5	290.6	4,229.5	0.45	-0.32	-0.32
12,465.0	89.30	4.30	8,322.5	4,282.3	295.4	4,292.4	0.32	0.00	-0.32
12,528.0	89.30	4.00	8,323.3	4,345.1	300.0	4,355.4	0.48	0.00	-0.48
12,591.0	89.20	3.80	8,324.1	4,408.0	304.3	4,418.4	0.35	-0.16	-0.32
12,655.0	89.30	4.00	8,325.0	4,471.8	308.6	4,482.4	0.35	0.16	0.31

Stryker Directional Survey Report

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Layla 35 B2NC #2H
Project:	Eddy County, New Mexico	TVD Reference:	3017 + 20 @ 3037.0usft (Rig #36)
Site:	Section 35-23S-28E Layla 35 B2NC #2H	MD Reference:	3017 + 20 @ 3037.0usft (Rig #36)
Well:	Layla 35 B2NC #2H	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)
12,718.0	89.40	4.10	8,325.7	4,534.6	313.1	4,545.4	0.22	0.16	0.16
12,781.0	89.40	4.10	8,326.4	4,597.5	317.6	4,608.4	0.00	0.00	0.00
12,845.0	89.30	3.40	8,327.1	4,661.3	321.8	4,672.4	1.10	-0.16	-1.09
12,908.0	89.40	3.10	8,327.8	4,724.2	325.3	4,735.4	0.50	0.16	-0.48
12,933.0	89.40	2.90	8,328.1	4,749.2	326.6	4,760.4	0.80	0.00	-0.80
12,980.0	89.40	2.90	8,328.5	4,796.1	329.0	4,807.4	0.00	0.00	0.00
12980' MD Projected to TD									

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
7,711.0	7,706.1	-76.9	37.8	7711' MD MS Gyro Survey
12,980.0	8,328.5	4,796.1	329.0	12980' MD Projected to TD

Operating Company Mewbourne Oil Co.
Well Name & Number Layla 35 B2NC Fee #2H
Sales Ticket Number 0
Date 8/16/2014

Company Rep Frank Midkiff
Field 0
BOT Service Rep Zach Blenkinsopp
District Location Odessa, TX



	Size	Weight	Grade	ID	Drift	Thread	Capacity	Length	Burst	Collapse
Casing	7.000	26.00	110000	6.276	6.151	LTC / 8RD	0.03826	8,490.00	9,960	6,230
Top Liner	4.500	13.50	110000	3.920	3.795	LTC / 8RD	0.01493	4,627.30	12,410	10,690
Bott Liner	0.000	0.00	0	0.000	0.000	0	0.00000	-	-	-
TVD	8490.00		KOP	7759.00		Open Hole	6.125	Casing Vol. (bbl)		316.8
Carry Fluid Weight (ppg)		8.4		Propant Content (ppa)				Max Drill Out Size		0

	Comm. Number	Description	Depth	Length	OD	ID	Ball Seat ID	Shear Press.	Max Rate (BPM)	Displ. (BBL)
Liner Top 1	10292414	JR Slv w 4.750" Alt Seal Bore ID	8278.70	3.99	5.750	3.913				

Zone Length	H4090400008	S-3 Casing Hanger Packer	8282.69	4.67	5.875	3.875		1670		
	H299900281	Combo Collar (4-1/2 LT&C)	8287.36	7.49	5.000	4.500				
	H299710014	4-1/2" 13.5# LT&C Spacer Nipple	8294.85	0.59	4.500	3.938				
		7 Jnts 4-1/2" 13.5# LT&C csg	8295.44	292.92	3.920					
	H810090200	3.500" EXPress Sleeve (Zone 20)	8588.36	2.40	5.630		3.448	2286		
		3 Jnts 4-1/2" 13.5# LT&C csg	8590.76	125.01	4.500	3.920				
	H409360008	582 OH PACKER #19	8715.77	3.89	5.820	3.875		2154		
		2 Jnts 4-1/2" 13.5# LT&C csg	8719.66	83.39	4.500	3.920				
	H810090199	3.438" EXPress Sleeve (Zone 19)	8803.05	2.40	5.630		3.385	2286		
		3 Jnts 4-1/2" 13.5# LT&C csg	8805.45	124.36	4.500	3.920				
	H409360008	582 OH PACKER #18	8929.81	3.89	5.820	3.875		2154		
		3 Jnts 4-1/2" 13.5# LT&C csg	8933.70	123.75	4.500	3.920				
	H810090198	3.375" EXPress Sleeve (Zone 18)	9057.45	2.40	5.630		3.323	2286		
		3 Jnts 4-1/2" 13.5# LT&C csg	9059.85	123.74	4.500	3.920				
	H409360008	582 OH PACKER #17	9183.59	3.89	5.820	3.875		2154		
		2 Jnts 4-1/2" 13.5# LT&C csg	9187.48	83.49	4.500	3.920				
	H810090197	3.313" EXPress Sleeve (Zone 17)	9270.97	2.40	5.630		3.260	2286		
		3 Jnts 4-1/2" 13.5# LT&C csg	9273.37	126.03	4.500	3.920				
	H409360008	582 OH PACKER #16	9399.40	3.89	5.820	3.875		2154		
		3 Jnts 4-1/2" 13.5# LT&C csg	9403.29	126.22	4.500	3.920				
	H810090196	3.250" EXPress Sleeve (Zone 16)	9529.51	2.40	5.630		3.198	2286		
		3 Jnts 4-1/2" 13.5# LT&C csg	9531.91	126.48	4.500	3.920				

Operating Company Mewbourne Oil Co.
Well Name & Number Layla 35 B2NC Fee #2H
Sales Ticket Number 0
Date 8/16/2014

Company Rep Frank Midkiff
Field 0
BOT Service Rep Zach Blenkinsopp
District Location Odessa, TX



	Size	Weight	Grade	ID	Drift	Thread	Capacity	Length	Burst	Collapse
Casing	7.000	26.00	110000	6.276	6.151	LTC / 8RD	0.03826	8,490.00	9,960	6,230
Top Liner	4.500	13.50	110000	3.920	3.795	LTC / 8RD	0.01493	4,627.30	12,410	10,690
Bott Liner	0.000	0.00	0	0.000	0.000	0	0.00000	-	-	-
TVD		8490.00		KOP		7759.00	Open Hole	6.125	Casing Vol. (bbl)	316.8
Carry Fluid Weight (ppg)			8.4		Propant Content (ppa)				Max Drill Out Size	0

	Comm. Number	Description	Depth	Length	OD	ID	Ball Seat ID	Shear Press.	Max Rate (BPM)	Displ. (BBL)
	H409360008	582 OH PACKER #15	9658.39	3.89	5.820	3.875		2154		
		2 Jnts 4-1/2" 13.5# LT&C csg	9662.28	84.14	4.500	3.920				
	H810090195	3.188" EXPress Sleeve (Zone 15)	9746.42	2.40	5.630		3.135	2286		
		3 Jnts 4-1/2" 13.5# LT&C csg	9748.82	125.92	4.500	3.920				
	H409360008	582 OH PACKER #14	9874.74	3.89	5.820	3.875		2154		
		2 Jnts 4-1/2" 13.5# LT&C csg	9878.63	82.96	4.500	3.920				
	H810090194	3.125" EXPress Sleeve (Zone 14)	9961.59	2.40	5.630		3.073	2286		
		3 Jnts 4-1/2" 13.5# LT&C csg	9963.99	125.43	4.500	3.920				
	H409360008	582 OH PACKER #13	10089.42	3.89	5.820	3.875		2154		
		2 Jnts 4-1/2" 13.5# LT&C csg	10093.31	84.56	4.500	3.920				
	H810090193	3.063" EXPress Sleeve (Zone 13)	10177.87	2.40	5.630		3.010	2286		
		3 Jnts 4-1/2" 13.5# LT&C csg	10180.27	125.71	4.500	3.920				
	H409360008	582 OH PACKER #12	10305.98	3.89	5.820	3.875		2154		
		2 Jnts 4-1/2" 13.5# LT&C csg	10309.87	83.09	4.500	3.920				
	H810090192	3.00" EXPress Sleeve (Zone 12)	10392.96	2.40	5.630		2.948	2286		
		3 Jnts 4-1/2" 13.5# LT&C csg	10395.36	124.57	4.500	3.920				
	H409360008	582 OH PACKER #11	10519.93	3.89	5.820	3.875		2154		
		2 Jnts 4-1/2" 13.5# LT&C csg	10523.82	84.33	4.500	3.920				
	H810090191	2.938" EXPress Sleeve (Zone 11)	10608.15	2.40	5.630		2.885	2286		
		3 Jnts 4-1/2" 13.5# LT&C csg	10610.55	125.94	4.500	3.920				
	H409360008	582 OH PACKER #10	10736.49	3.89	5.820	3.875		2154		
		2 Jnts 4-1/2" 13.5# LT&C csg	10740.38	76.87	4.500	3.920				
	H810090190	2.875" EXPress Sleeve (Zone 10)	10817.25	2.40	5.630		2.823	2286		
		3 Jnts 4-1/2" 13.5# LT&C csg	10819.65	125.95	4.500	3.920				
	H409360008	582 OH PACKER #9	10945.60	3.89	5.820	3.875		2154		
		2 Jnts 4-1/2" 13.5# LT&C csg	10949.49	83.02	4.500	3.920				
	H810090189	2.813" EXPress Sleeve (Zone 9)	11032.51	2.40	5.630		2.760	2286		

Operating Company Mewbourne Oil Co.
Well Name & Number Layla 35 B2NC Fee #2H
Sales Ticket Number 0
Date 8/16/2014

Company Rep Frank Midkiff
Field 0
BOT Service Rep Zach Blenkinsopp
District Location Odessa, TX



	Size	Weight	Grade	ID	Drift	Thread	Capacity	Length	Burst	Collapse
Casing	7.000	26.00	110000	6.276	6.151	LTC / 8RD	0.03826	8,490.00	9,960	6,230
Top Liner	4.500	13.50	110000	3.920	3.795	LTC / 8RD	0.01493	4,627.30	12,410	10,690
Bott Liner	0.000	0.00	0	0.000	0.000	0	0.00000	-	-	-
TVD	8490.00		KOP		7759.00		Open Hole	6.125	Casing Vol. (bbl)	316.8
Carry Fluid Weight (ppg)			8.4		Propant Content (ppa)				Max Drill Out Size	0

	Comm. Number	Description	Depth	Length	OD	ID	Ball Seat ID	Shear Press.	Max Rate (BPM)	Displ. (BBL)
		3 Jnts 4-1/2" 13.5# LT&C csg	11034.91	126.17	4.500	3.920				
	H409360008	582 OH PACKER #8	11161.08	3.89	5.820	3.875		2154		
		3 Jnts 4-1/2" 13.5# LT&C csg	11164.97	118.74	4.500	3.920				
	H810090188	2.750" EXPress Sleeve (Zone 8)	11283.71	2.40	5.630		2.698	2286		
		3 Jnts 4-1/2" 13.5# LT&C csg	11286.11	125.46	4.500	3.920				
	H409360008	582 OH PACKER #7	11411.57	3.89	5.820	3.875		2154		
		2 Jnts 4-1/2" 13.5# LT&C csg	11415.46	81.63	4.500	3.920				
	H810090187	2.688" EXPress Sleeve (Zone 7)	11497.09	2.40	5.630		2.635	2286		
		3 Jnts 4-1/2" 13.5# LT&C csg	11499.49	125.06	4.500	3.920				
	H409360008	582 OH PACKER #6	11624.55	3.89	5.820	3.875		2154		
		2 Jnts 4-1/2" 13.5# LT&C csg	11628.44	84.13	4.500	3.920				
	H810090186	2.625" EXPress Sleeve (Zone 6)	11712.57	2.40	5.630		2.573	2286		
		3 Jnts 4-1/2" 13.5# LT&C csg	11714.97	126.70	4.500	3.920				
	H409360008	582 OH PACKER #5	11841.67	3.89	5.820	3.875		2154		
		3 Jnts 4-1/2" 13.5# LT&C csg	11845.56	126.35	4.500	3.920				
	H810090185	2.563" EXPress Sleeve (Zone 5)	11971.91	2.40	5.630		2.510	2286		
		3 Jnts 4-1/2" 13.5# LT&C csg	11974.31	124.05	4.500	3.920				
	H409360008	582 OH PACKER #4	12098.36	3.89	5.820	3.875		2154		
		2 Jnts 4-1/2" 13.5# LT&C csg	12102.25	83.96	4.500	3.920				
	H810090184	2.500" EXPress Sleeve (Zone 4)	12186.21	2.40	5.630		2.448	2286		
		3 Jnts 4-1/2" 13.5# LT&C csg	12188.61	125.03	4.500	3.920				
	H409360008	582 OH PACKER #3	12313.64	3.89	5.820	3.875		2154		
		2 Jnts 4-1/2" 13.5# LT&C csg	12317.53	84.32	4.500	3.920				
	H810090183	2.438" EXPress Sleeve (Zone 3)	12401.85	2.40	5.630		2.385	2286		
		3 Jnts 4-1/2" 13.5# LT&C csg	12404.25	126.26	4.500	3.920				
	H409360008	582 OH PACKER #2	12530.51	3.89	5.820	3.875		2154		
		3 Jnts 4-1/2" 13.5# LT&C csg	12534.40	126.34	4.500	3.920				

Operating Company Mewbourne Oil Co.
Well Name & Number Layla 35 B2NC Fee #2H
Sales Ticket Number 0
Date 8/16/2014

Company Rep Frank Midkiff
Field 0
BOT Service Rep Zach Blenkinsopp
District Location Odessa, TX



	Size	Weight	Grade	ID	Drift	Thread	Capacity	Length	Burst	Collapse
Casing	7.000	26.00	110000	6.276	6.151	LTC / 8RD	0.03826	8,490.00	9,960	6,230
Top Liner	4.500	13.50	110000	3.920	3.795	LTC / 8RD	0.01493	4,627.30	12,410	10,690
Bott Liner	0.000	0.00	0	0.000	0.000	0	0.00000	-	-	-

TVD	8490.00	KOP	7759.00	Open Hole	6.125	Casing Vol. (bbl)	316.8
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Carry Fluid Weight (ppg)	8.4	Propan Content (ppa)		Max Drill Out Size	0
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		Comm. Number	Description	Depth	Length	OD	ID	Ball Seat ID	Shear Press.	Max Rate (BPM)	Displ. (BBL)
		H810090182	2.375" EXPress Sleeve (Zone2)	12660.74	2.40	5.630		2.323	2286		
			3 Jnts 4-1/2" 13.5# LT&C csg	12663.14	124.95	4.500	3.920				
		H409360008	582 OH PACKER #1	12788.09	3.89	5.820	3.875		2154		
			2 Jnts 4-1/2" 13.5# LT&C csg	12791.98	82.28	4.500	3.920				
		HALLIBURTON	4-1/2 13.5# P110 LT&C Casing Sub	12874.26	6.11	4.500	3.920				
		HALLIBURTON	Halliburton RSI Tool(Zone 1)	12880.37	5.75	5.750	3.635		4619		
		HALLIBURTON	4-1/2 13.5# P110 LT&C Casing Sub	12886.12	3.10	4.500	3.920				
		HALLIBURTON	Halliburton Shut Off Collar	12889.22	1.51	5.000					
		HALLIBURTON	4-1/2 13.5# P110 LT&C Casing Sub	12890.73	3.07	4.500	3.920				
		HALLIBURTON	Halliburton Float Collar	12893.80	0.90	5.000	3.985				
		HALLIBURTON	4-1/2 13.5# P110 LT&C Casing Sub	12894.70	10.07	4.500	3.920				
		HALLIBURTON	Halliburton Float Shoe	12904.77	1.23	5.010	4.025				
			Distance off bottom	12906.00	74.00						
			MD of Well	12980.00							
			Completion Fluid 8.4# KCL								
			Halliburton RSI Tool w/ 8.4# Completion Fluid at Surface								
			Min							4041	
			Nominal							4619	
			Max							5197	



Job Number: SVMO-141038
 Company: Mewbourne Oil & Gas
 Lease/Well: Layla 35 B2NC Fee 002H
 Location: Eddy County, NM
 Rig Name: Patterson #36
 RKB: 22'
 G.L. or M.S.L.: GL

State/Country: New Mexico/USA
 Declination: 7.32°
 Grid: East To Grid North
 File name: S:\2014SU~1\MEWBOU~1\MO\LAYLA3~1\B2NCFE~1\002H.SVY
 Date/Time: 01-Aug-14 / 11:39
 Curve Name: Surface - 7711' M.D. (Rate Gyro)

MS SURVEY

WINSERVE SURVEY CALCULATIONS
 Minimum Curvature Method
 Vertical Section Plane .00
 Vertical Section Referenced to Wellhead
 Rectangular Coordinates Referenced to Wellhead

We hereby certify that our survey data from
 Surface MD to 7711' MD is, to the best of
 our knowledge a true and accurate account of
 the well bore.
 Joseph Brock
 MS Energy Services
 8/1/14
 Date

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	C L O S U R E		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
100.00	.71	337.27	100.00	.57	-.24	.57	.62	337.27	.71
200.00	.81	329.53	199.99	1.75	-.84	1.75	1.94	334.46	.14
300.00	.74	332.07	299.98	2.93	-1.50	2.93	3.29	332.93	.08
400.00	.99	326.93	399.97	4.23	-2.27	4.23	4.80	331.74	.26
500.00	1.59	318.00	499.94	5.98	-3.67	5.98	7.02	328.46	.63
600.00	1.98	318.52	599.89	8.31	-5.74	8.31	10.10	325.33	.39
700.00	1.90	313.40	699.84	10.74	-8.09	10.74	13.45	323.00	.19
800.00	1.79	320.45	799.78	13.08	-10.29	13.08	16.65	321.81	.25
900.00	2.26	321.76	899.72	15.84	-12.51	15.84	20.18	321.70	.47

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	C L O S U R E		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
1000.00	2.10	317.49	999.65	18.74	-14.97	18.74	23.98	321.38	.23
1100.00	2.19	315.95	1099.58	21.46	-17.53	21.46	27.71	320.75	.11
1200.00	1.74	308.07	1199.52	23.77	-20.06	23.77	31.10	319.84	.52
1300.00	1.11	305.54	1299.49	25.27	-22.04	25.27	33.53	318.90	.63
1400.00	.81	274.90	1399.48	25.89	-23.53	25.89	34.99	317.73	.58
1500.00	.49	270.44	1499.47	25.95	-24.66	25.95	35.80	316.46	.32
1600.00	.41	258.11	1599.47	25.88	-25.44	25.88	36.29	315.50	.13
1700.00	.22	226.69	1699.46	25.68	-25.93	25.68	36.49	314.72	.25
1800.00	1.34	115.25	1799.46	25.05	-25.01	25.05	35.40	315.04	1.44
1900.00	3.71	114.46	1899.35	23.21	-21.01	23.21	31.31	317.85	2.37
2000.00	4.04	116.01	1999.12	20.33	-14.90	20.33	25.20	323.76	.35
2100.00	4.40	122.41	2098.85	16.72	-8.49	16.72	18.76	333.07	.59
2200.00	5.20	119.35	2198.50	12.45	-1.31	12.45	12.52	354.01	.84
2300.00	5.97	117.42	2298.03	7.83	7.26	7.83	10.68	42.83	.79
2400.00	6.29	114.14	2397.45	3.20	16.88	3.20	17.18	79.27	.47
2500.00	4.89	116.54	2496.98	-.95	25.69	-.95	25.71	92.11	1.42
2600.00	3.54	113.25	2596.70	-4.07	32.34	-4.07	32.59	97.18	1.37
2700.00	2.85	116.72	2696.55	-6.41	37.39	-6.41	37.94	99.72	.72
2800.00	2.77	118.07	2796.43	-8.66	41.75	-8.66	42.64	101.72	.10
2900.00	2.30	112.45	2896.33	-10.57	45.73	-10.57	46.94	103.01	.53
3000.00	1.74	109.69	2996.27	-11.84	49.02	-11.84	50.43	103.58	.57
3100.00	1.54	112.38	3096.23	-12.87	51.69	-12.87	53.27	103.98	.21
3200.00	1.26	107.53	3196.20	-13.71	53.98	-13.71	55.70	104.25	.30
3300.00	.67	102.81	3296.18	-14.17	55.60	-14.17	57.38	104.30	.59
3400.00	.79	106.46	3396.17	-14.50	56.83	-14.50	58.65	104.31	.13
3500.00	.49	114.61	3496.17	-14.87	57.88	-14.87	59.76	104.41	.31
3600.00	.37	94.42	3596.16	-15.07	58.59	-15.07	60.50	104.43	.19
3700.00	.34	111.78	3696.16	-15.21	59.19	-15.21	61.11	104.41	.11
3800.00	.19	110.45	3796.16	-15.38	59.62	-15.38	61.57	104.46	.15

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	C L O S U R E		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
3900.00	.35	101.42	3896.16	-15.49	60.07	-15.49	62.04	104.46	.17
4000.00	.13	80.47	3996.16	-15.54	60.49	-15.54	62.45	104.40	.23
4100.00	.16	135.85	4096.16	-15.62	60.70	-15.62	62.67	104.43	.14
4200.00	.23	152.50	4196.16	-15.90	60.88	-15.90	62.93	104.63	.09
4300.00	.12	121.64	4296.16	-16.13	61.07	-16.13	63.16	104.79	.14
4400.00	.27	136.44	4396.16	-16.35	61.32	-16.35	63.46	104.93	.16
4500.00	.23	141.40	4496.16	-16.68	61.61	-16.68	63.82	105.15	.05
4600.00	.20	151.97	4596.16	-16.99	61.81	-16.99	64.11	105.37	.05
4700.00	.14	142.46	4696.15	-17.24	61.97	-17.24	64.32	105.55	.07
4800.00	.40	217.77	4796.15	-17.62	61.83	-17.62	64.29	105.90	.39
4900.00	.65	209.89	4896.15	-18.38	61.33	-18.38	64.03	106.69	.26
5000.00	.64	213.51	4996.14	-19.34	60.74	-19.34	63.75	107.66	.04
5100.00	.63	197.85	5096.14	-20.33	60.27	-20.33	63.60	108.64	.17
5200.00	.61	212.45	5196.13	-21.30	59.81	-21.30	63.49	109.60	.16
5300.00	.88	214.41	5296.12	-22.39	59.09	-22.39	63.19	110.75	.27
5400.00	1.13	227.02	5396.11	-23.69	57.94	-23.69	62.59	112.24	.33
5500.00	.98	219.69	5496.09	-25.02	56.67	-25.02	61.95	113.82	.20
5600.00	.87	232.75	5596.08	-26.14	55.52	-26.14	61.36	115.21	.24
5700.00	.87	219.51	5696.07	-27.18	54.43	-27.18	60.84	116.54	.20
5800.00	.74	224.71	5796.06	-28.23	53.49	-28.23	60.49	117.82	.15
5900.00	.93	203.26	5896.05	-29.43	52.72	-29.43	60.38	119.17	.36
6000.00	.87	210.17	5996.03	-30.84	52.02	-30.84	60.47	120.66	.12
6100.00	.92	194.99	6096.02	-32.27	51.43	-32.27	60.71	122.11	.24
6200.00	1.06	219.69	6196.01	-33.75	50.63	-33.75	60.85	123.69	.45
6300.00	1.21	208.43	6295.99	-35.39	49.54	-35.39	60.88	125.55	.27
6400.00	1.42	225.75	6395.96	-37.19	48.15	-37.19	60.84	127.68	.45
6500.00	1.55	234.13	6495.93	-38.85	46.16	-38.85	60.33	130.08	.25
6600.00	1.81	241.10	6595.88	-40.40	43.68	-40.40	59.50	132.76	.33
6700.00	2.00	253.45	6695.83	-41.66	40.63	-41.66	58.19	135.72	.45

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	C L O S U R E		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
6800.00	1.86	249.19	6795.77	-42.73	37.44	-42.73	56.82	138.78	.20
6900.00	1.57	156.68	6895.74	-44.57	36.46	-44.57	57.59	140.71	2.49
7000.00	2.18	159.36	6995.69	-47.61	37.68	-47.61	60.71	141.64	.62
7100.00	2.34	184.94	7095.61	-51.42	38.17	-51.42	64.04	143.41	1.01
7200.00	2.52	186.28	7195.52	-55.64	37.76	-55.64	67.24	145.84	.19
7300.00	3.01	189.13	7295.41	-60.42	37.10	-60.42	70.90	148.45	.51
7400.00	1.90	190.87	7395.31	-64.64	36.37	-64.64	74.17	150.64	1.11
7500.00	1.73	184.02	7495.26	-67.77	35.95	-67.77	76.72	152.06	.28
7600.00	2.67	166.48	7595.19	-71.54	36.39	-71.54	80.27	153.04	1.15
7700.00	3.00	164.98	7695.07	-76.33	37.61	-76.33	85.10	153.77	.34

Last Survey Depth Recorded

7711.00	3.02	164.27	7706.05	-76.89	37.77	-76.89	85.67	153.84	.38
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COMPANY: Mewbourne Oil Company
WELL: Layla 35 B2NC #2H
COUNTY: Eddy County, New Mexico
DATUM: NAD 1927 (NADCON CONUS)
RIG: Rig #36

GRID CORRECTION: To convert a Magnetic Direction to a Grid Direction, Add 7.29°



OFFICE: 936.582.7296

GEODETIC ZONE: New Mexico East 3001 3017 + 20 @ 3037.0usft (Rig #36) GROUND ELEVATION: 3017.0										Slot
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude					
0.0	0.0	456465.50	584274.60	32° 15' 16.727 N	104° 3' 38.590 W					
PLAN SECTIONS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	7711.0	3.02	164.27	7706.1	-76.9	37.8	0.00	0.00	-74.2	
2	7784.6	3.02	164.27	7779.6	-80.6	38.8	0.00	0.00	-77.9	
3	8612.8	89.88	358.60	8316.9	428.9	33.4	11.21	-165.65	430.2	
4	8659.0	89.87	3.78	8317.0	475.2	34.3	11.21	90.12	476.4	LP Layla35 B2NC #2H
5	12996.9	89.87	3.78	8327.0	4803.6	320.5	0.00	0.00	4814.3	PBHL Layla 35 B2NC #2H

DESIGN TARGET DETAILS									
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape	
LP Layla35 B2NC #2H	8317.0	475.2	34.3	456940.66	584308.9232° 15' 21.429 N	04° 3' 38.176 W		Point	
PBHL Layla 35 B2NC #2H	8327.0	4803.6	320.5	461269.11	584595.12 32° 16' 4.257 N	04° 3' 34.715 W		Point	
	- plan hits target center								

333.25' FNL, 1979.72' FWL

