



30-015-41747

Mewbourne Oil Company .

Eddy County, New Mexico

Section 36-19S-28E Winchester 36 HE State #1H

Winchester 36 HE State #1H

Original Hole

Design: Original Hole

Standard Survey Report

26 March, 2014





Stryker Directional Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Winchester 36 HE State #1H
Project:	Eddy County, New Mexico	TVD Reference:	GL 3294 + 20 @ 3314.0usft (Patterson #41)
Site:	Section 36-19S-28E Winchester 36 HE State #1H	MD Reference:	GL 3294 + 20 @ 3314.0usft (Patterson #41)
Well:	Winchester 36 HE State #1H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	EDM 5000.1 Single User Db

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 36-19S-28E Winchester 36 HE State #1H			
Site Position:		Northing:	588,619.30 usft	Latitude:	32° 37' 4.945 N
From:	Map	Easting:	565,112.20 usft	Longitude:	104° 7' 18.695 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.11 °

Well	Winchester 36 HE State #1H					
Well Position	+N/-S	0.0 usft	Northing:	588,619.30 usft	Latitude:	32° 37' 4.945 N
	+E/-W	0.0 usft	Easting:	565,112.20 usft	Longitude:	104° 7' 18.695 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft	Ground Level:	3,294.0 usft

Wellbore	Original Hole
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Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	2/25/2014	7.54	60.39	48,524

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	275.20

Survey Program	Date 3/26/2014			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
100.0	7,020.0	MS Gyro Survey #1 (Original Hole)	GyroFlex	
7,061.0	12,170.0	MWD Survey #2 (Original Hole)	MWD	MWD - Standard

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	0.05	315.87	100.0	0.0	0.0	0.0	0.05	0.05	0.00
200.0	0.08	262.10	200.0	0.1	-0.1	0.1	0.06	0.03	-53.77
300.0	0.60	112.10	300.0	-0.2	0.3	-0.3	0.67	0.52	-150.00
400.0	0.81	110.07	400.0	-0.6	1.4	-1.5	0.21	0.21	-2.03
500.0	0.95	106.27	500.0	-1.1	2.9	-3.0	0.15	0.14	-3.80
600.0	2.01	92.59	599.9	-1.4	5.4	-5.5	1.11	1.06	-13.68
700.0	2.36	89.76	699.9	-1.5	9.3	-9.3	0.37	0.35	-2.83
800.0	2.47	88.78	799.8	-1.4	13.5	-13.5	0.12	0.11	-0.98



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Well:	Winchester 36 HE State #1H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	EDM 5000.1 Single User Db

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)
900.0	2.45	88.42	899.7	-1.3	17.8	-17.8	0.03	-0.02	-0.36
1,000.0	2.17	88.59	999.6	-1.2	21.8	-21.8	0.28	-0.28	0.17
1,100.0	1.97	88.89	1,099.5	-1.1	25.4	-25.4	0.20	-0.20	0.30
1,200.0	1.84	89.12	1,199.5	-1.0	28.7	-28.7	0.13	-0.13	0.23
1,300.0	1.79	90.85	1,299.4	-1.0	31.9	-31.9	0.07	-0.05	1.73
1,400.0	1.56	84.58	1,399.4	-0.9	34.8	-34.7	0.29	-0.23	-6.27
1,500.0	1.40	77.54	1,499.4	-0.5	37.4	-37.2	0.24	-0.16	-7.04
1,600.0	0.93	28.12	1,599.3	0.4	38.9	-38.7	1.06	-0.47	-49.42
1,700.0	0.71	59.70	1,699.3	1.5	39.8	-39.5	0.49	-0.22	31.58
1,800.0	0.88	20.02	1,799.3	2.5	40.6	-40.3	0.56	0.17	-39.68
1,900.0	0.97	24.47	1,899.3	4.0	41.3	-40.7	0.12	0.09	4.45
2,000.0	0.91	40.93	1,999.3	5.4	42.1	-41.5	0.28	-0.06	16.46
2,100.0	0.95	38.26	2,099.3	6.6	43.2	-42.4	0.06	0.04	-2.67
2,200.0	1.68	17.30	2,199.3	8.7	44.1	-43.1	0.86	0.73	-20.96
2,300.0	1.63	16.81	2,299.2	11.4	45.0	-43.7	0.05	-0.05	-0.49
2,400.0	1.27	17.54	2,399.2	13.8	45.7	-44.3	0.36	-0.36	0.73
2,500.0	1.07	23.19	2,499.2	15.8	46.4	-44.8	0.23	-0.20	5.65
2,600.0	0.87	5.65	2,599.2	17.4	46.8	-45.1	0.36	-0.20	-17.54
2,700.0	0.82	358.23	2,699.1	18.8	46.9	-45.0	0.12	-0.05	-7.42
2,800.0	0.76	339.91	2,799.1	20.2	46.7	-44.6	0.26	-0.06	-18.32
2,900.0	0.75	341.89	2,899.1	21.4	46.2	-44.1	0.03	-0.01	1.98
3,000.0	0.70	344.34	2,999.1	22.6	45.9	-43.6	0.06	-0.05	2.45
3,100.0	0.65	345.96	3,099.1	23.8	45.5	-43.2	0.05	-0.05	1.62
3,200.0	0.79	354.56	3,199.1	25.0	45.3	-42.9	0.18	0.14	8.60
3,300.0	0.95	359.59	3,299.1	26.5	45.3	-42.7	0.18	0.16	5.03
3,400.0	1.11	348.15	3,399.1	28.3	45.1	-42.3	0.26	0.16	-11.44
3,500.0	1.10	348.13	3,499.1	30.2	44.7	-41.8	0.01	-0.01	-0.02
3,600.0	0.95	349.98	3,599.0	31.9	44.3	-41.3	0.15	-0.15	1.85
3,700.0	0.98	357.40	3,699.0	33.6	44.1	-40.9	0.13	0.03	7.42
3,800.0	1.13	16.74	3,799.0	35.4	44.4	-41.0	0.38	0.15	19.34
3,900.0	1.15	17.99	3,899.0	37.3	45.0	-41.4	0.03	0.02	1.25
4,000.0	0.81	344.45	3,999.0	38.9	45.1	-41.4	0.65	-0.34	-33.54
4,100.0	0.97	289.71	4,099.0	39.9	44.1	-40.3	0.83	0.16	-54.74
4,200.0	1.25	264.73	4,198.9	40.1	42.2	-38.4	0.55	0.28	-24.98
4,300.0	1.46	263.50	4,298.9	39.8	39.9	-36.1	0.21	0.21	-1.23
4,400.0	1.58	269.94	4,398.9	39.7	37.2	-33.5	0.21	0.12	6.44
4,500.0	1.32	272.44	4,498.8	39.8	34.7	-31.0	0.27	-0.26	2.50
4,600.0	0.97	276.23	4,598.8	39.9	32.7	-29.0	0.36	-0.35	3.79
4,700.0	1.30	266.83	4,698.8	39.9	30.7	-27.0	0.38	0.33	-9.40
4,800.0	1.46	264.41	4,798.8	39.7	28.3	-24.6	0.17	0.16	-2.42
4,900.0	1.60	264.05	4,898.7	39.5	25.7	-22.0	0.14	0.14	-0.36
5,000.0	1.71	265.37	4,998.7	39.2	22.8	-19.2	0.12	0.11	1.32



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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)
5,100.0	1.80	260.79	5,098.7	38.8	19.8	-16.2	0.17	0.09	-4.58
5,200.0	1.69	258.21	5,198.6	38.3	16.8	-13.2	0.14	-0.11	-2.58
5,300.0	1.89	244.66	5,298.6	37.3	13.8	-10.4	0.47	0.20	-13.55
5,400.0	2.20	235.05	5,398.5	35.5	10.8	-7.5	0.46	0.31	-9.61
5,500.0	2.45	238.48	5,498.4	33.2	7.4	-4.3	0.29	0.25	3.43
5,600.0	2.64	246.40	5,598.3	31.2	3.5	-0.6	0.40	0.19	7.92
5,700.0	2.66	255.73	5,698.2	29.7	-0.9	3.6	0.43	0.02	9.33
5,800.0	2.86	258.22	5,798.1	28.6	-5.6	8.2	0.23	0.20	2.49
5,900.0	2.98	266.94	5,898.0	28.0	-10.6	13.1	0.46	0.12	8.72
6,000.0	3.02	273.56	5,997.8	28.0	-15.9	18.3	0.35	0.04	6.62
6,100.0	2.71	278.88	6,097.7	28.5	-20.8	23.3	0.41	-0.31	5.32
6,200.0	2.58	279.11	6,197.6	29.3	-25.4	27.9	0.13	-0.13	0.23
6,300.0	2.37	275.31	6,297.5	29.8	-29.7	32.2	0.27	-0.21	-3.80
6,400.0	2.21	270.23	6,397.4	30.0	-33.6	36.2	0.26	-0.16	-5.08
6,500.0	2.19	264.45	6,497.3	29.8	-37.5	40.0	0.22	-0.02	-5.78
6,600.0	1.78	266.55	6,597.3	29.6	-40.9	43.4	0.42	-0.41	2.10
6,700.0	1.50	257.79	6,697.2	29.2	-43.8	46.2	0.38	-0.28	-8.76
6,800.0	1.36	248.83	6,797.2	28.5	-46.1	48.5	0.26	-0.14	-8.96
6,900.0	1.59	238.10	6,897.2	27.3	-48.4	50.7	0.36	0.23	-10.73
7,000.0	1.85	233.74	6,997.1	25.6	-50.9	53.0	0.29	0.26	-4.36
7,020.0	1.72	236.15	7,017.1	25.3	-51.4	53.5	0.75	-0.65	12.05
7020' MD MS Gyro Survey									
7,061.0	1.80	242.80	7,058.1	24.6	-52.5	54.5	0.53	0.20	16.22
7,092.0	2.00	244.40	7,089.1	24.2	-53.4	55.4	0.67	0.65	5.16
7,124.0	5.50	262.80	7,121.0	23.7	-55.4	57.4	11.43	10.94	57.50
7,156.0	10.30	270.40	7,152.7	23.6	-59.8	61.7	15.32	15.00	23.75
7,187.0	13.90	271.40	7,183.0	23.7	-66.3	68.2	11.63	11.61	3.23
7,219.0	16.30	272.70	7,213.9	24.0	-74.7	76.5	7.57	7.50	4.06
7,250.0	18.60	273.20	7,243.5	24.5	-83.9	85.8	7.44	7.42	1.61
7,282.0	21.10	274.10	7,273.6	25.2	-94.8	96.7	7.87	7.81	2.81
7,313.0	23.20	275.10	7,302.3	26.1	-106.4	108.4	6.88	6.77	3.23
7,346.0	25.20	274.60	7,332.4	27.2	-119.9	121.9	6.09	6.06	-1.52
7,377.0	27.30	273.70	7,360.2	28.2	-133.6	135.6	6.89	6.77	-2.90
7,409.0	29.30	273.70	7,388.4	29.2	-148.7	150.8	6.25	6.25	0.00
7,440.0	30.90	274.10	7,415.2	30.3	-164.2	166.3	5.20	5.16	1.29
7,472.0	33.20	275.50	7,442.3	31.7	-181.2	183.3	7.55	7.19	4.38
7,503.0	37.00	276.70	7,467.7	33.6	-198.9	201.1	12.46	12.26	3.87
7,535.0	41.40	277.60	7,492.5	36.1	-218.9	221.3	13.86	13.75	2.81
7,566.0	44.50	277.10	7,515.1	38.8	-239.9	242.4	10.06	10.00	-1.61
7,598.0	48.80	276.40	7,537.1	41.6	-263.0	265.7	13.53	13.44	-2.19
7,629.0	51.50	276.00	7,557.0	44.1	-286.6	289.5	8.77	8.71	-1.29
7,661.0	53.90	275.30	7,576.4	46.6	-312.0	314.9	7.70	7.50	-2.19
7,693.0	57.20	275.00	7,594.5	49.0	-338.2	341.3	10.34	10.31	-0.94



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Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
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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)
7,725.0	61.40	275.30	7,610.8	51.5	-365.6	368.8	13.15	13.13	0.94
7,756.0	64.90	276.50	7,624.8	54.3	-393.2	396.5	11.81	11.29	3.87
7,788.0	67.60	277.10	7,637.7	57.8	-422.2	425.7	8.61	8.44	1.88
7,820.0	69.70	277.60	7,649.3	61.6	-451.8	455.5	6.72	6.56	1.56
7,851.0	74.50	277.80	7,658.8	65.5	-481.0	485.0	15.50	15.48	0.65
7,883.0	77.90	278.10	7,666.5	69.8	-511.8	516.0	10.66	10.63	0.94
7,915.0	79.80	277.90	7,672.7	74.2	-542.9	547.4	5.97	5.94	-0.63
7,933.0	81.30	277.40	7,675.6	76.6	-560.5	565.1	8.77	8.33	-2.78
7,997.0	89.30	277.80	7,680.9	85.0	-623.6	628.8	12.52	12.50	0.63
8,029.0	89.20	276.40	7,681.3	89.0	-655.4	660.8	4.39	-0.31	-4.38
8,092.0	90.50	276.20	7,681.4	95.9	-718.0	723.7	2.09	2.06	-0.32
8,155.0	92.10	276.50	7,680.0	102.8	-780.6	786.7	2.58	2.54	0.48
8,219.0	92.10	276.20	7,677.7	109.9	-844.2	850.7	0.47	0.00	-0.47
8,250.0	91.70	275.80	7,676.6	113.2	-875.0	881.6	1.82	-1.29	-1.29
8,282.0	90.50	275.50	7,676.0	116.3	-906.8	913.6	3.87	-3.75	-0.94
8,313.0	88.00	274.40	7,676.4	119.0	-937.7	944.6	8.81	-8.06	-3.55
8,345.0	87.20	274.10	7,677.8	121.3	-969.6	976.6	2.67	-2.50	-0.94
8,377.0	88.60	274.30	7,678.9	123.7	-1,001.5	1,008.6	4.42	4.38	0.63
8,408.0	89.80	274.60	7,679.4	126.1	-1,032.4	1,039.6	3.99	3.87	0.97
8,440.0	89.80	274.40	7,679.5	128.6	-1,064.3	1,071.6	0.62	0.00	-0.63
8,472.0	90.00	274.30	7,679.5	131.0	-1,096.2	1,103.6	0.70	0.63	-0.31
8,535.0	90.20	274.30	7,679.4	135.8	-1,159.0	1,166.5	0.32	0.32	0.00
8,598.0	90.40	274.30	7,679.1	140.5	-1,221.8	1,229.5	0.32	0.32	0.00
8,662.0	91.10	274.40	7,678.3	145.3	-1,285.6	1,293.5	1.10	1.09	0.16
8,725.0	90.80	274.10	7,677.2	150.0	-1,348.5	1,356.5	0.67	-0.48	-0.48
8,789.0	90.60	273.70	7,676.4	154.4	-1,412.3	1,420.5	0.70	-0.31	-0.63
8,851.0	90.60	274.60	7,675.8	158.8	-1,474.1	1,482.5	1.45	0.00	1.45
8,915.0	90.00	274.80	7,675.5	164.1	-1,537.9	1,546.5	0.99	-0.94	0.31
8,978.0	88.80	274.80	7,676.1	169.4	-1,600.7	1,609.5	1.90	-1.90	0.00
9,041.0	88.90	274.60	7,677.4	174.5	-1,663.5	1,672.4	0.35	0.16	-0.32
9,104.0	88.90	274.10	7,678.6	179.3	-1,726.3	1,735.4	0.79	0.00	-0.79
9,168.0	90.10	274.00	7,679.2	183.8	-1,790.1	1,799.4	1.88	1.88	-0.16
9,231.0	90.50	274.10	7,678.8	188.3	-1,853.0	1,862.4	0.65	0.63	0.16
9,294.0	91.40	274.30	7,677.8	192.9	-1,915.8	1,925.4	1.46	1.43	0.32
9,358.0	90.80	274.30	7,676.5	197.7	-1,979.6	1,989.4	0.94	-0.94	0.00
9,421.0	90.70	274.10	7,675.7	202.3	-2,042.4	2,052.3	0.35	-0.16	-0.32
9,481.0	91.00	273.60	7,674.8	206.3	-2,102.3	2,112.3	0.97	0.50	-0.83
9,548.0	90.90	273.70	7,673.7	210.6	-2,169.1	2,179.3	0.21	-0.15	0.15
9,611.0	90.90	273.90	7,672.7	214.8	-2,232.0	2,242.3	0.32	0.00	0.32
9,674.0	91.20	273.40	7,671.6	218.8	-2,294.8	2,305.2	0.93	0.48	-0.79
9,738.0	90.70	274.30	7,670.5	223.1	-2,358.7	2,369.2	1.61	-0.78	1.41
9,801.0	89.90	274.30	7,670.2	227.8	-2,421.5	2,432.2	1.27	-1.27	0.00



Stryker Directional Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Winchester 36 HE State #1H
Project:	Eddy County, New Mexico	TVD Reference:	GL 3294 + 20 @ 3314.0usft (Patterson #41)
Site:	Section 36-19S-28E Winchester 36 HE State #1H	MD Reference:	GL 3294 + 20 @ 3314.0usft (Patterson #41)
Well:	Winchester 36 HE State #1H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	EDM 5000.1 Single User Db

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)
9,864.0	89.90	274.10	7,670.3	232.4	-2,484.3	2,495.2	0.32	0.00	-0.32
9,927.0	90.20	273.60	7,670.2	236.6	-2,547.2	2,558.2	0.93	0.48	-0.79
9,991.0	91.40	274.10	7,669.3	240.9	-2,611.0	2,622.1	2.03	1.88	0.78
10,054.0	91.00	273.70	7,668.0	245.2	-2,673.9	2,685.1	0.90	-0.63	-0.63
10,117.0	90.80	274.10	7,667.0	249.5	-2,736.7	2,748.1	0.71	-0.32	0.63
10,181.0	90.80	274.80	7,666.1	254.5	-2,800.5	2,812.1	1.09	0.00	1.09
10,244.0	91.40	274.30	7,664.9	259.5	-2,863.3	2,875.1	1.24	0.95	-0.79
10,307.0	90.90	274.80	7,663.7	264.5	-2,926.1	2,938.0	1.12	-0.79	0.79
10,370.0	91.20	274.80	7,662.5	269.7	-2,988.9	3,001.0	0.48	0.48	0.00
10,433.0	90.80	275.30	7,661.4	275.3	-3,051.6	3,064.0	1.02	-0.63	0.79
10,497.0	90.90	275.30	7,660.5	281.2	-3,115.3	3,128.0	0.16	0.16	0.00
10,560.0	91.40	275.00	7,659.2	286.8	-3,178.1	3,191.0	0.93	0.79	-0.48
10,623.0	90.20	275.00	7,658.3	292.3	-3,240.8	3,254.0	1.90	-1.90	0.00
10,687.0	90.30	275.00	7,658.0	297.9	-3,304.6	3,318.0	0.16	0.16	0.00
10,750.0	90.70	274.40	7,657.5	303.1	-3,367.4	3,381.0	1.14	0.63	-0.95
10,812.0	90.80	275.50	7,656.7	308.4	-3,429.1	3,443.0	1.78	0.16	1.77
10,875.0	91.00	276.00	7,655.7	314.7	-3,491.8	3,506.0	0.85	0.32	0.79
10,938.0	91.50	275.10	7,654.3	320.8	-3,554.5	3,568.9	1.63	0.79	-1.43
11,001.0	91.30	276.00	7,652.8	326.9	-3,617.2	3,631.9	1.46	-0.32	1.43
11,065.0	91.40	276.00	7,651.3	333.6	-3,680.8	3,695.9	0.16	0.16	0.00
11,128.0	92.30	276.20	7,649.2	340.3	-3,743.4	3,758.9	1.46	1.43	0.32
11,191.0	91.80	276.20	7,647.0	347.1	-3,806.0	3,821.8	0.79	-0.79	0.00
11,255.0	90.40	276.20	7,645.8	354.0	-3,869.6	3,885.8	2.19	-2.19	0.00
11,318.0	90.50	276.40	7,645.3	360.9	-3,932.2	3,948.8	0.35	0.16	0.32
11,381.0	89.70	276.20	7,645.2	367.8	-3,994.9	4,011.8	1.31	-1.27	-0.32
11,445.0	90.00	276.00	7,645.3	374.6	-4,058.5	4,075.8	0.56	0.47	-0.31
11,507.0	90.20	275.30	7,645.2	380.7	-4,120.2	4,137.8	1.17	0.32	-1.13
11,570.0	90.70	274.60	7,644.7	386.2	-4,183.0	4,200.7	1.37	0.79	-1.11
11,634.0	90.50	275.10	7,644.0	391.6	-4,246.7	4,264.7	0.84	-0.31	0.78
11,697.0	89.40	275.80	7,644.1	397.6	-4,309.4	4,327.7	2.07	-1.75	1.11
11,760.0	89.50	275.70	7,644.7	403.9	-4,372.1	4,390.7	0.22	0.16	-0.16
11,823.0	90.20	275.30	7,644.9	409.9	-4,434.8	4,453.7	1.28	1.11	-0.63
11,887.0	90.00	275.80	7,644.8	416.1	-4,498.5	4,517.7	0.84	-0.31	0.78
11,950.0	90.30	275.50	7,644.6	422.3	-4,561.2	4,580.7	0.67	0.48	-0.48
12,014.0	91.50	275.50	7,643.6	428.4	-4,624.9	4,644.7	1.88	1.88	0.00
12,077.0	92.40	275.30	7,641.4	434.4	-4,687.6	4,707.7	1.46	1.43	-0.32
12,116.0	92.70	275.10	7,639.7	437.9	-4,726.4	4,746.6	0.92	0.77	-0.51
12,170.0	92.70	275.10	7,637.2	442.7	-4,780.1	4,800.6	0.00	0.00	0.00
12170' MD Projected to Bit									



Stryker Directional Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Winchester 36 HE State #1H
Project:	Eddy County, New Mexico	TVD Reference:	GL 3294 + 20 @ 3314.0usft (Patterson #41)
Site:	Section 36-19S-28E Winchester 36 HE State #1H	MD Reference:	GL 3294 + 20 @ 3314.0usft (Patterson #41)
Well:	Winchester 36 HE State #1H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	EDM 5000.1 Single User Db

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
7,020.0	7,017.1	25.3	-51.4	7020' MD MS Gyro Survey
12,170.0	7,637.2	442.7	-4,780.1	12170' MD Projected to Bit

Operating Company Mewbourne Oil Co.
Well Name & Number Winchester 36 HE ST #1
Sales Ticket Number 0

Company Rep Josh Proisie
Field 0
BOT Service Rep Zach Blenkinsopp



Date 3/16/2014

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	7,990.00	9,960	6,230
Top Liner	4.500	13.50	110000	3.920	3.795	LTC / 8RD	0.01493	4,367.20	12,410	10,690
Bott Liner	0.000	0.00	0	0.000	0.000	0	0.00000	-	-	-
TVD	7637.00		KOP	7105.00		Open Hole	6.125	Casing Vol. (bbl)	297.5	

Carry Fluid Weight (ppg)	8.4	Propant Content (ppa)		Max Drill Out Size	0
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	Comm. Number	Description	Depth	Length	OD	ID	Ball Seat	Shear Press.	Max Rate	Displ. (BBL)
Liner Ten 10	10292414	JR SLV W/ 4.750" ALT SEAL BORE ID	7774.80	4.00	5.750	3.913				

Zone Length	H409400010	S3 CASING HANGING PACKER	7778.80	4.63	5.875	3.875		1482		
	4506201406	4.5 VAMTOP x 4.5 LT&C XO	7783.43	0.89	5.000	4.000				
	H299900281	4.5 LT&C x 4.5 LT&C CLR	7784.32	0.59	5.000	4.000				
	H299710014	4.5 LT&C 13.5# NIPPLE	7784.91	7.49	4.500	4.000				
		(7) 4.5 LT&C 13.5# P110 CSG/JNTS	7792.40	316.99	4.500	3.875				
	4505763576	3.500" EXPress Sleeve (Zone 20)	8109.39	2.40	5.750	3.845	3.448	2286	297	297
		(2) 4.5 LT&C 13.5# P110 JNTS/CSG	8111.79	90.37	4.500	3.875				
	H409360008	582 OH PACKER	8202.16	3.89	5.820	3.875		2154		
		(2) 4.5 LT&C 13.5# P110 JNTS/CSG	8206.05	90.68	4.500	3.875				
	104695349	3.438" EXPress Sleeve (Zone 19)	8296.73	2.40	5.750	3.845	3.385	2286	286	297
		(2) 4.5 LT&C 13.5# P110 JNTS/CSG	8299.13	90.60	4.500	3.875				
	H409360008	582 OH PACKER	8389.73	3.89	5.820	3.875		2154		
		(2) 4.5 LT&C 13.5# P110 JNTS/CSG	8393.62	90.10	4.500	3.875				
	4505925580	3.375" EXPress Sleeve (Zone 18)	8483.72	2.40	5.750	3.845	3.323	2286	276	297
		(2) 4.5 LT&C 13.5# P110 JNTS/CSG	8486.12	90.67	4.500	3.875				
	H409360008	582 OH PACKER	8576.79	3.89	5.820	3.875		2154		
		(3) 4.5 LT&C 13.5# P110 JNTS/CSG	8580.68	135.72	4.500	3.875				
	4505925580	3.313" EXPress Sleeve (Zone 17)	8716.40	2.40	5.750	3.845	3.260	2286	265	297
		(2) 4.5 LT&C 13.5# P110 JNTS/CSG	8718.80	90.40	4.500	3.875				
	H409360008	582 OH PACKER	8809.20	3.89	5.820	3.875		2154		
		(2) 4.5 LT&C 13.5# P110 JNTS/CSG	8813.09	90.72	4.500	3.875				

Operating Company Mewbourne Oil Co.
Well Name & Number Winchester 36 HE ST #1
Sales Ticket Number 0

Company Rep Josh Proise
Field 0
BOT Service Rep Zach Blenkinsopp



Date 3/16/2014

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	7,990.00	9,960	6,230
Top Liner	4.500	13.50	110000	3.920	3.795	LTC / 8RD	0.01493	4,367.20	12,410	10,690
Bott Liner	0.000	0.00	0	0.000	0.000	0	0.00000	-	-	-

TVD	7637.00	KOP	7105.00	Open Hole	6.125	Casing Vol. (bbl)	297.5
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Carry Fluid Weight (ppg)	8.4	Propant Content (ppa)		Max Drill Out Size	0
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	Comm. Number	Description	Depth	Length	OD	ID	Ball Seat	Shear Press.	Max Rate	Displ. (BBL)
	4506828407	3.25" EXPress Sleeve (Zone 16)	8903.81	2.40	5.750	3.845	3.198	2286	255	297
		(2) 4.5 LT&C 13.5# P110 JNTS/CSG	8906.21	90.60	4.500	3.875				
	H409360008	582 OH PACKER	8996.81	3.89	5.820	3.875		2154		
		(3) 4.5 LT&C 13.5# P110 JNTS/CSG	9000.70	136.00	4.500	3.875				
	4506828407	3.25" EXPress Sleeve (Zone 15)	9136.70	2.40	5.750	3.845	3.135	2286	245	297
		(3) 4.5 LT&C 13.5# P110 JNTS/CSG	9139.10	90.66	4.500	3.875				
	H409360008	582 OH PACKER	9229.76	3.89	5.820	3.875		2154		
		(2) 4.5 LT&C 13.5# P110 JNTS/CSG	9233.65	90.40	4.500	3.875				
	4506805519	3.125" EXPress Sleeve (Zone 14)	9324.05	2.40	5.750	3.845	3.073	2286	236	297
		(2) 4.5 LT&C 13.5# P110 JNTS/CSG	9326.45	90.62	4.500	3.875				
	H409360008	582 OH PACKER	9417.07	3.89	5.820	3.875		2154		
		(3) 4.5 LT&C 13.5# P110 JNTS/CSG	9420.96	135.99	4.500	3.875				
	4506805519	3.063" EXPress Sleeve (Zone 13)	9556.95	2.40	5.750	3.845	3.010	2286	226	297
		(2) 4.5 LT&C 13.5# P110 JNTS/CSG	9559.35	90.38	4.500	3.875				
	H409360008	582 OH PACKER	9649.73	3.89	5.820	3.875		2154		
		(3) 4.5 LT&C 13.5# P110 JNTS/CSG	9653.62	135.72	4.500	3.875				
	4506805519	3.000' EXPress Sleeve (Zone 12)	9789.34	2.40	5.750	3.845	2.948	2286	217	297
		(2) 4.5 LT&C 13.5# P110 JNTS/CSG	9791.74	90.64	4.500	3.875				
	H409360008	582 OH PACKER	9882.38	3.89	5.820	3.875		2154		
		(2) 4.5 LT&C 13.5# P110 JNTS/CSG	9886.27	90.67	4.500	3.875				
4506805519	2.938" EXPress Sleeve (Zone 11)	9976.94	2.40	5.750	3.845	2.885	2286	208	297	
	(2) 4.5 LT&C 13.5# P110 JNTS/CSG	9979.34	90.36	4.500	3.875					
H409360008	582 OH PACKER	10069.70	3.89	5.820	3.875		2154			
	(3) 4.5 LT&C 13.5# P110 JNTS/CSG	10073.59	135.97	4.500	3.875					
4506805519	2.875" EXPress Sleeve (Zone 10)	10209.56	2.40	5.750	3.845	2.823	2286	199	297	

Operating Company Mewbourne Oil Co.
Well Name & Number Winchester 36 HE ST #1
Sales Ticket Number 0
Date 3/16/2014

Company Rep Josh Prorise
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	7,990.00	9,960	6,230
Top Liner	4.500	13.50	110000	3.920	3.795	LTC / 8RD	0.01493	4,367.20	12,410	10,690
Bott Liner	0.000	0.00	0	0.000	0.000	0	0.00000	-	-	-
TVD	7637.00		KOP	7105.00		Open Hole	6.125	Casing Vol. (bbl)	297.5	

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	Shear Press.	Max Rate	Displ. (BBL)
		(2) 4.5 LT&C 13.5# P110 JNTS/CSG	10211.96	90.43	4.500	3.875				
	H409360008	582 OH PACKER	10302.39	3.89	5.820	3.875		2154		
		(2) 4.5 LT&C 13.5# P110 JNTS/CSG	10306.28	88.15	4.500	3.875				
	4505132289	2.813" EXPress Sleeve (Zone 9)	10394.43	2.40	5.750	3.845	2.760	2286	190	297
		(2) 4.5 LT&C 13.5# P110 JNTS/CSG	10396.83	90.67	4.500	3.875				
	H409360008	582 OH PACKER	10487.50	3.89	5.820	3.875		2154		
		(3) 4.5 LT&C 13.5# P110 JNTS/CSG	10491.39	135.54	4.500	3.875				
	4505763580	2.75" EXPress Sleeve (Zone 8)	10626.93	2.40	5.750	3.845	2.698	2286	182	297
		(3) 4.5 LT&C 13.5# P110 JNTS/CSG	10629.33	135.96	4.500	3.875				
	H409360008	582 OH PACKER	10765.29	3.89	5.820	3.875		2154		
		(2) 4.5 LT&C 13.5# P110 JNTS/CSG	10769.18	90.62	4.500	3.875				
	4505925560	2.688" EXPress Sleeve (Zone 7)	10859.80	2.40	5.750	3.845	2.635	2286	173	297
		(2) 4.5 LT&C 13.5# P110 JNTS/CSG	10862.20	90.63	4.500	3.875				
	H409360008	582 OH PACKER	10952.83	3.89	5.820	3.875		2154		
		(2) 4.5 LT&C 13.5# P110 JNTS/CSG	10956.72	88.21	4.500	3.875				
	4505925580	2.625" EXPress Sleeve (Zone 6)	11044.93	2.40	5.750	3.845	2.525	2286	159	297
		(2) 4.5 LT&C 13.5# P110 JNTS/CSG	11047.33	90.65	4.500	3.875				
	H409360008	582 OH PACKER	11137.98	3.89	5.820	3.875		2154		
		(3) 4.5 LT&C 13.5# P110 JNTS/CSG	11141.87	135.70	4.500	3.875				
	4505763568	2.563" EXPress Sleeve (Zone 5)	11277.57	2.40	5.750	3.845	2.510	2286	157	297
		(2) 4.5 LT&C 13.5# P110 JNTS/CSG	11279.97	90.64	4.500	3.875				
	H409360008	582 OH PACKER	11370.61	3.89	5.820	3.875		2154		
		(2) 4.5 LT&C 13.5# P110 JNTS/CSG	11374.50	90.08	4.500	3.875				
	4505763508	2.500" EXPress Sleeve (Zone 4)	11464.58	2.40	5.750	3.845	2.400	2286	144	297
		(3) 4.5 LT&C 13.5# P110 JNTS/CSG	11466.98	135.71	4.500	3.875				

Operating Company Mewbourne Oil Co.
Well Name & Number Winchester 36 HE ST #1
Sales Ticket Number 0
Date 3/16/2014

Company Rep Josh Prorise
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	7,990.00	9,960	6,230
Top Liner	4.500	13.50	110000	3.920	3.795	LTC / 8RD	0.01493	4,367.20	12,410	10,690
Bott Liner	0.000	0.00	0	0.000	0.000	0	0.00000	-	-	-

TVD	7637.00	KOP	7105.00	Open Hole	6.125	Casing Vol. (bbl)	297.5
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Carry Fluid Weight (ppg)	8.4	Propant Content (ppa)		Max Drill Out Size	0
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	Comm. Number	Description	Depth	Length	OD	ID	Ball Seat	Shear Press	Max Rate	Displ. (BBL)
	H409360008	582 OH PACKER	11602.69	3.89	5.820	3.875		2154		
		(2) 4.5 LT&C 13.5# P110 JNTS/CSG	11606.58	90.70	4.500	3.875				
	4505763744	2'438" EXPress Sleeve (Zone 3)	11697.28	2.40	5.750	3.845	2.385	2286	142	297
		(3) 4.5 LT&C 13.5# P110 JNTS/CSG	11699.68	136.00	4.500	3.875				
	H409360008	582 OH PACKER	11835.68	3.89	5.820	3.875		2154		
		(2) 4.5 LT&C 13.5# P110 JNTS/CSG	11839.57	90.83	4.500	3.875				
	4505763748	2'375" EXPress Sleeve (Zone 2)	11930.40	2.40	5.750	3.845	2.275	2286	129	297
		(2) 4.5 LT&C 13.5# P110 JNTS/CSG	11932.80	89.66	4.500	3.875				
	H409360008	582 OH PACKER	12022.46	3.89	5.820	3.875		2154		
		(2) 4.5 LT&C 13.5# P110 JNTS/CSG	12026.35	90.65	4.500	3.875				
	H299900281	4-1/2" LT&C COLLAR	12117.00	0.59	5.000	4.500				
	H299710014	4-1/2" 13.5# LT&C SPACER NIPPLE	12117.59	7.45	4.500	4.000				
	H810070028	ALPHA SLEEVE LTC (Zone 1)	12125.04	3.75	5.750	3.063		6923		
	H809890007	WIV TOOL	12128.79	2.86	5.000	3.875				
	H299900281	4-1/2" LT&C COLLAR	12131.65	0.59	5.000	4.500				
	H299710014	4-1/2" 13.5# LT&C SPACER NIPPLE	12132.24	7.50	4.500	4.000				
	10360821	TOPCO FLOAT SHOE	12139.74	2.26	5.000	4.125				
		DISTANCE OFF BOTTOM	12142.00	28.00						
		TD OF WELL	12170.00							
	ALPHA SLEEVE OPTION #1									
	MIN: 6,511									
	MAX: 7,334									
	W/ 8.5# DISPLACEMENT FLUID									

Company Rep	Josh Prorise
Field	0
BOT Service Rep	Zach Blenkinsopp



District Location	Odessa, TX
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TVD	7637.00	KOP	7105.00	Open Hole	6.125	Casing Vol. (bbl)	297.5
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Carry Fluid Weight (ppg)	8.4	Propant Content (ppa)		Max Drill Out Size	0
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[illegible]



Job Number: SVMO-140326
 Company: Mewbourne Oil & Gas
 Lease/Well: Winchester 36 HE State 1H
 Location: Eddy County, NM
 Rig Name: Patterson #41
 RKB: 13.5'
 G.L. or M.S.L.: GL

State/Country: New Mexico/USA
 Declination: 7.42°
 Grid: East To Grid North
 File name: Y:\WINSER-1\2014SU-1\MEWBOU-1\MO\WINCHE-1\1H.SVY
 Date/Time: 20-Mar-14 / 12:06
 Curve Name: Surface - 7020' M.D. (Rate Gyro)



MS Survey

WINSERVE SURVEY CALCULATIONS

Minimum Curvature Method

Vertical Section Plane 275.20

Vertical Section Referenced to Wellhead

Rectangular Coordinates Referenced to Wellhead

We hereby certify that our survey data from
 Surface MD to 7020' MD is, to the best of
 our knowledge a true and accurate account of
 the well bore.

James Gally 3/20/14
 MS Energy Services Date

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
100.00	.05	315.87	100.00	.03	-.03	.03	.04	315.89	.05
200.00	.08	262.10	200.00	.05	-.13	.13	.14	292.21	.06
300.00	.60	112.10	300.00	-.15	.29	-.30	.32	118.22	.67
400.00	.81	110.07	399.99	-.59	1.44	-1.48	1.55	112.45	.21
500.00	.95	106.27	499.98	-1.07	2.89	-2.98	3.09	110.25	.15
600.00	2.01	92.59	599.94	-1.38	5.44	-5.55	5.61	104.22	1.11
700.00	2.36	89.76	699.87	-1.45	9.25	-9.35	9.37	98.91	.37
800.00	2.47	88.78	799.78	-1.40	13.47	-13.54	13.54	95.92	.12
900.00	2.45	88.42	899.69	-1.29	17.76	-17.80	17.80	94.16	.03

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	2.17	88.59	999.61	-1.19	21.79	-21.80	21.82	93.11	.28
1100.00	1.97	88.89	1099.54	-1.11	25.40	-25.39	25.42	92.49	.20
1200.00	1.84	89.12	1199.49	-1.05	28.72	-28.70	28.74	92.09	.13
1300.00	1.79	90.85	1299.44	-1.05	31.89	-31.85	31.91	91.88	.07
1400.00	1.56	84.58	1399.40	-.94	34.81	-34.75	34.82	91.55	.29
1500.00	1.40	77.54	1499.36	-.55	37.35	-37.25	37.36	90.84	.24
1600.00	.93	28.12	1599.34	.43	38.93	-38.73	38.93	89.37	1.06
1700.00	.71	59.70	1699.33	1.46	39.85	-39.55	39.87	87.90	.49
1800.00	.88	20.02	1799.32	2.49	40.64	-40.25	40.72	86.49	.56
1900.00	.97	24.47	1899.31	3.99	41.26	-40.73	41.45	84.48	.12
2000.00	.91	40.93	1999.30	5.36	42.13	-41.47	42.47	82.75	.28
2100.00	.95	38.26	2099.29	6.61	43.16	-42.39	43.66	81.30	.06
2200.00	1.68	17.30	2199.26	8.66	44.11	-43.14	44.95	78.90	.86
2300.00	1.63	16.81	2299.22	11.42	44.96	-43.74	46.39	75.75	.05
2400.00	1.27	17.54	2399.19	13.84	45.70	-44.26	47.75	73.16	.36
2500.00	1.07	23.19	2499.16	15.75	46.41	-44.79	49.01	71.25	.23
2600.00	.87	5.65	2599.15	17.37	46.85	-45.08	49.96	69.66	.36
2700.00	.82	358.23	2699.14	18.84	46.90	-45.00	50.54	68.12	.12
2800.00	.76	339.91	2799.13	20.17	46.65	-44.63	50.83	66.61	.26
2900.00	.75	341.89	2899.12	21.42	46.22	-44.09	50.94	65.14	.03
3000.00	.70	344.34	2999.11	22.63	45.85	-43.61	51.13	63.73	.06
3100.00	.65	345.96	3099.11	23.77	45.55	-43.21	51.38	62.44	.05
3200.00	.79	354.56	3199.10	25.00	45.35	-42.89	51.78	61.13	.18
3300.00	.95	359.59	3299.09	26.52	45.27	-42.68	52.47	59.64	.18
3400.00	1.11	348.15	3399.07	28.30	45.07	-42.32	53.22	57.88	.26
3500.00	1.10	348.13	3499.05	30.18	44.67	-41.75	53.91	55.95	.01
3600.00	.95	349.98	3599.04	31.94	44.33	-41.25	54.64	54.23	.15
3700.00	.98	357.40	3699.02	33.61	44.15	-40.92	55.49	52.72	.13
3800.00	1.13	16.74	3799.01	35.41	44.39	-41.00	56.78	51.42	.38

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	1.15	17.99	3898.99	37.31	44.99	-41.42	58.44	50.33	.03
4000.00	.81	344.45	3998.97	38.94	45.11	-41.39	59.59	49.20	.65
4100.00	.97	289.71	4098.96	39.91	44.12	-40.32	59.49	47.87	.83
4200.00	1.25	264.73	4198.94	40.09	42.24	-38.43	58.24	46.49	.55
4300.00	1.46	263.50	4298.91	39.85	39.89	-36.11	56.38	45.03	.21
4400.00	1.58	269.94	4398.88	39.70	37.24	-33.49	54.44	43.17	.21
4500.00	1.32	272.44	4498.85	39.75	34.71	-30.97	52.77	41.13	.27
4600.00	.97	276.23	4598.83	39.89	32.72	-28.97	51.60	39.36	.36
4700.00	1.30	266.83	4698.81	39.92	30.75	-27.00	50.39	37.60	.38
4800.00	1.46	264.41	4798.78	39.73	28.35	-24.63	48.81	35.50	.17
4900.00	1.60	264.05	4898.74	39.47	25.69	-22.01	47.09	33.06	.14
5000.00	1.71	265.37	4998.70	39.20	22.81	-19.17	45.36	30.20	.12
5100.00	1.80	260.79	5098.65	38.83	19.78	-16.18	43.58	26.99	.17
5200.00	1.69	258.21	5198.61	38.28	16.78	-13.24	41.79	23.68	.14
5300.00	1.89	244.66	5298.56	37.27	13.85	-10.41	39.76	20.38	.47
5400.00	2.20	235.05	5398.50	35.46	10.78	-7.53	37.07	16.91	.46
5500.00	2.45	238.48	5498.41	33.25	7.39	-4.35	34.06	12.53	.29
5600.00	2.64	246.40	5598.32	31.21	3.46	-.61	31.40	6.32	.40
5700.00	2.66	255.73	5698.21	29.71	-.90	3.59	29.73	358.26	.43
5800.00	2.86	258.22	5798.09	28.63	-5.59	8.17	29.17	348.95	.23
5900.00	2.98	266.94	5897.96	27.98	-10.63	13.12	29.94	339.20	.46
6000.00	3.02	273.56	5997.83	28.01	-15.86	18.33	32.19	330.49	.35
6100.00	2.71	278.88	6097.70	28.54	-20.82	23.32	35.33	323.89	.41
6200.00	2.58	279.11	6197.60	29.26	-25.38	27.93	38.73	319.06	.13
6300.00	2.37	275.31	6297.50	29.81	-29.66	32.24	42.05	315.14	.27
6400.00	2.21	270.23	6397.42	30.01	-33.65	36.23	45.08	311.73	.26
6500.00	2.19	264.45	6497.35	29.83	-37.48	40.03	47.90	308.52	.22
6600.00	1.78	266.55	6597.29	29.55	-40.93	43.44	50.48	305.83	.42
6700.00	1.50	257.79	6697.25	29.18	-43.76	46.22	52.60	303.70	.38

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
6800.00	1.36	248.83	6797.22	28.47	-46.14	48.53	54.22	301.68	.26
6900.00	1.59	238.10	6897.18	27.31	-48.43	50.70	55.60	299.42	.36
7000.00	1.85	233.74	6997.14	25.63	-50.91	53.02	56.99	296.72	.29
Last Survey Depth Recorded									
7020.00	1.72	236.15	7017.13	25.27	-51.42	53.50	57.29	296.17	.75



COMPANY: Mewbourne Oil Company
WELL: Winchester 36 HE State #1H
COUNTY: Eddy County, New Mexico
DATUM: NAD 1927 (NADCON CONUS)



GRID CORRECTION: To convert a Magnetic Direction to a Grid Direction, Add 7.42°

OFFICE: 936.582.7296

GEODETTIC ZONE: New Mexico East 3001
GL 3294 + 20 @ 3314.0usft (Patterson #41)
GROUND ELEVATION: 3294.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	588619.30	565112.20	32° 37' 4.945 N	104° 7' 18.695 W	

PLAN SECTIONS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSeet	Target
1	7020.0	1.72	236.15	7017.1	25.3	-51.4	0.00	0.00	53.5	
2	7220.8	1.72	236.15	7217.8	21.9	-56.4	0.00	0.00	58.2	
3	7965.3	90.67	275.11	7684.0	56.0	-538.2	12.00	38.96	541.1	
4	12228.6	90.67	275.11	7634.0	435.7	-4784.4	0.00	0.00	4804.2	PBHL Winchester 36 HE State #1H

