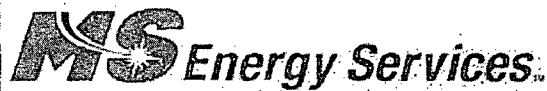


15-41919



Job Number: SVMO-131005
 Company: Mewbourne Oil & Gas
 Lease/Well: Delaware Ranch 12 NC Federal Com 1H
 Location: Eddy County, NM
 Rig Name: Patterson #36
 RKB: 22'
 G.L. or M.S.L.: GL

State/Country: New Mexico/USA
 Declination: 7.35°
 Grid: East To Grid North
 File name: S:\2013SU~1\MEWBOU~1\MO\DELEWA~1\1H.SVY
 Date/Time: 21-Nov-13 / 09:53
 Curve Name: Surface - 7590' M.D. (Rate Gyro)

WINSERVE SURVEY CALCULATIONS
 Minimum Curvature Method
 Vertical Section Plane 358.63
 Vertical Section Referenced to Wellhead
 Rectangular Coordinates Referenced to Wellhead



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	.68	235.32	100.00	-.34	-.49	-.33	.59	235.32	.68
200.00	.96	206.23	199.99	-1.43	-1.35	-1.39	1.96	223.34	.49
300.00	1.38	191.07	299.97	-3.36	-1.95	-3.31	3.88	210.10	.52
400.00	1.63	191.12	399.93	-5.94	-2.45	-5.88	6.42	202.45	.25
500.00	1.66	196.62	499.89	-8.72	-3.14	-8.64	9.27	199.81	.16
600.00	1.39	232.35	599.86	-10.85	-4.52	-10.74	11.75	202.60	.97
700.00	1.69	236.45	699.82	-12.41	-6.71	-12.24	14.10	208.39	.32
800.00	1.52	241.50	799.78	-13.85	-9.10	-13.63	16.57	213.30	.22
900.00	1.72	241.37	899.74	-15.21	-11.58	-14.92	19.11	217.30	.20

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	1.60	249.25	999.70	-16.42	-14.21	-16.07	21.71	220.87	.26
1100.00	1.38	259.81	1099.67	-17.13	-16.70	-16.72	23.92	224.27	.35
1200.00	1.32	250.36	1199.64	-17.73	-18.97	-17.27	25.96	226.94	.23
1300.00	1.18	249.97	1299.62	-18.47	-21.02	-17.96	27.98	228.70	.14
1400.00	1.17	259.82	1399.59	-19.00	-22.99	-18.44	29.83	230.43	.20
1500.00	1.20	261.28	1499.57	-19.34	-25.03	-18.73	31.63	232.31	.04
1600.00	.71	281.68	1599.56	-19.37	-26.67	-18.73	32.97	234.01	.59
1700.00	.52	331.76	1699.55	-18.85	-27.49	-18.18	33.33	235.57	.55
1800.00	.51	345.45	1799.55	-18.02	-27.82	-17.35	33.14	237.07	.12
1900.00	.76	55.08	1899.55	-17.21	-27.39	-16.55	32.34	237.86	.75
2000.00	1.93	81.39	1999.52	-16.57	-25.18	-15.97	30.15	236.65	1.29
2100.00	2.74	83.58	2099.43	-16.05	-21.14	-15.54	26.54	232.78	.81
2200.00	4.09	84.62	2199.25	-15.45	-15.21	-15.09	21.69	224.55	1.35
2300.00	4.70	87.40	2298.96	-14.93	-7.57	-14.75	16.74	206.88	.65
2400.00	4.96	85.59	2398.60	-14.41	.83	-14.43	14.44	176.69	.30
2500.00	4.41	85.62	2498.27	-13.79	8.98	-14.00	16.45	146.94	.55
2600.00	3.50	84.86	2598.03	-13.22	15.85	-13.60	20.64	129.83	.91
2700.00	2.80	88.41	2697.88	-12.88	21.33	-13.39	24.92	121.12	.73
2800.00	2.39	90.23	2797.78	-12.82	25.86	-13.44	28.86	116.37	.42
2900.00	2.00	92.41	2897.70	-12.90	29.69	-13.61	32.37	113.49	.40
3000.00	1.67	100.64	2997.65	-13.25	32.86	-14.03	35.43	111.95	.42
3100.00	1.61	105.25	3097.61	-13.88	35.65	-14.73	38.26	111.28	.14
3200.00	1.23	97.77	3197.58	-14.40	38.07	-15.30	40.70	110.72	.42
3300.00	.82	84.29	3297.56	-14.47	39.84	-15.42	42.39	109.96	.47
3400.00	.45	87.86	3397.56	-14.39	40.95	-15.36	43.40	109.36	.37
3500.00	.26	177.79	3497.55	-14.60	41.35	-15.58	43.85	109.45	.52
3600.00	.22	202.95	3597.55	-15.00	41.28	-15.98	43.92	109.97	.11
3700.00	.27	217.54	3697.55	-15.37	41.07	-16.34	43.85	110.51	.08
3800.00	.29	209.15	3797.55	-15.77	40.80	-16.74	43.74	111.14	.05

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	.27	206.97	3897.55	-16.20	40.57	-17.17	43.68	111.77	.02
4000.00	.13	201.93	3997.55	-16.52	40.42	-17.48	43.66	112.23	.14
4100.00	.44	207.05	4097.55	-16.97	40.20	-17.92	43.64	112.88	.31
4200.00	.45	218.31	4197.55	-17.62	39.78	-18.56	43.51	113.88	.09
4300.00	.48	233.68	4297.54	-18.17	39.20	-19.11	43.21	114.87	.13
4400.00	.69	264.01	4397.54	-18.48	38.27	-19.39	42.50	115.78	.37
4500.00	.77	263.54	4497.53	-18.62	37.00	-19.50	41.42	116.72	.08
4600.00	.70	256.68	4597.52	-18.84	35.74	-19.69	40.40	117.80	.11
4700.00	.58	225.47	4697.52	-19.33	34.78	-20.16	39.80	119.07	.36
4800.00	.70	184.68	4797.51	-20.30	34.37	-21.11	39.92	120.56	.46
4900.00	.87	183.83	4897.50	-21.66	34.27	-22.48	40.55	122.30	.17
5000.00	.66	175.47	4997.49	-23.00	34.27	-23.81	41.27	123.87	.24
5100.00	.59	186.84	5097.49	-24.08	34.25	-24.89	41.87	125.11	.14
5200.00	.74	231.00	5197.48	-25.00	33.69	-25.80	41.95	126.58	.52
5300.00	1.06	217.92	5297.47	-26.14	32.62	-26.91	41.80	128.70	.38
5400.00	1.03	187.88	5397.45	-27.76	31.93	-28.51	42.30	131.00	.54
5500.00	.86	184.56	5497.44	-29.39	31.74	-30.14	43.26	132.80	.18
5600.00	.82	174.81	5597.43	-30.85	31.75	-31.60	44.27	134.18	.15
5700.00	.82	172.38	5697.42	-32.28	31.91	-33.03	45.39	135.33	.03
5800.00	.81	185.36	5797.41	-33.69	31.94	-34.44	46.42	136.53	.18
5900.00	1.01	195.92	5897.39	-35.24	31.63	-35.99	47.35	138.09	.26
6000.00	1.43	207.08	5997.37	-37.20	30.82	-37.93	48.31	140.36	.48
6100.00	1.58	212.46	6097.34	-39.47	29.51	-40.17	49.29	143.22	.21
6200.00	1.45	220.35	6197.30	-41.60	27.95	-42.26	50.12	146.10	.25
6300.00	1.39	215.59	6297.27	-43.55	26.43	-44.17	50.94	148.75	.13
6400.00	1.51	199.16	6397.24	-45.78	25.29	-46.37	52.30	151.09	.43
6500.00	1.40	203.11	6497.21	-48.15	24.38	-48.72	53.97	153.15	.15
6600.00	1.27	224.31	6597.18	-50.07	23.12	-50.61	55.15	155.21	.51
6700.00	1.30	236.98	6697.16	-51.48	21.40	-51.97	55.75	157.43	.29

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	.97	240.32	6797.14	-52.52	19.71	-52.97	56.09	159.43	.34
6900.00	1.15	291.09	6897.12	-52.57	18.04	-52.99	55.58	161.06	.92
7000.00	1.54	292.29	6997.09	-51.70	15.86	-52.07	54.08	162.95	.39
7100.00	2.04	305.82	7097.04	-50.15	13.17	-50.45	51.85	165.28	.65
7200.00	2.02	295.25	7196.98	-48.36	10.14	-48.59	49.41	168.16	.37
7300.00	1.87	272.56	7296.93	-47.53	6.91	-47.68	48.03	171.73	.78
7400.00	1.54	267.93	7396.88	-47.51	3.94	-47.59	47.67	175.26	.36
7500.00	1.44	268.35	7496.85	-47.59	1.34	-47.61	47.61	178.39	.10
Last Survey Depth Recorded									
7590.00	1.10	276.42	7586.83	-47.53	-.65	-47.50	47.53	180.78	.43

OPERATOR MEWBOURNE OIL COMPANY
WELL/LEASE DELAWARE RANCH 12 NC FED COM 1H
COUNTY EDDY

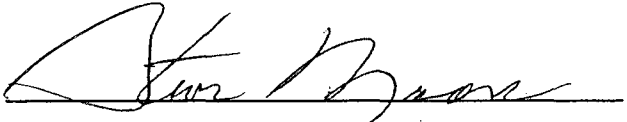
036-0059

STATE OF NEW MEXICO
DEVIATION REPORT

260	1.50
537	1.80
854	1.50
1,108	1.70
1,362	1.30
1,616	0.60
1,803	0.30
1,993	2.80
2,312	4.80
2,407	4.90
3,497	0.60
3,878	0.10
4,254	0.90
6,317	1.30
7,141	2.10

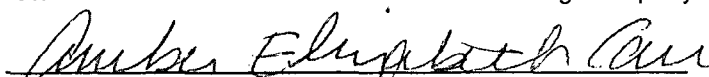
STATE OF TEXAS

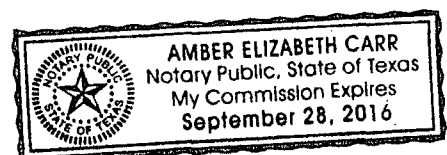
COUNTY OF MIDLAND

BY: 

The foregoing instrument was acknowledged before me on
Steve Moore on behalf of Patterson-UTI Drilling Company LLC.

12/18/13, by


Notary Public for Midland County, Texas
My Commission Expires:





Job Number: C131166

Company: Mewbourne Oil Company

Lease/Well: Delaware Ranch 12 NC Fed Com # 16

Location: Eddy County

Rig Name: Patterson UTI Rig # 36

RKB: N/A

G.L. or M.S.L.: N/A

State/Country: New Mexico / USA

Declination: 7.35° Corrected To Grid

Grid: 7.35°

File name: C:\WINSERVE\DOCS\C131166.SVY

Date/Time: 23-Dec-13 / 09:22

Curve Name: SES MWD SURVEY RAN ON 11-19-13

Stryker Energy Directional Services, LLC.

WINSERVE SURVEY CALCULATIONS
Minimum Curvature Method
Vertical Section Plane 358.63
Vertical Section Referenced to Wellhead
Rectangular Coordinates Referenced to Wellhead

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	Direction Deg	Dogleg Severity Deg/100
Tie-In Data Provided by MS Gyro Survey									
7590.00	1.10	276.42	7586.82	-47.53	-.65	-47.50	47.53	180.78	.00
7639.00	1.10	302.50	7635.81	-47.22	-1.51	-47.17	47.25	181.84	1.01
7671.00	3.60	355.20	7667.78	-46.06	-1.86	-46.00	46.10	182.31	9.57
7702.00	7.50	358.70	7698.63	-43.06	-1.98	-43.00	43.11	182.64	12.62
7734.00	11.10	1.90	7730.21	-37.90	-1.93	-37.84	37.95	182.92	11.36
7766.00	14.50	2.60	7761.41	-30.81	-1.65	-30.77	30.86	183.06	10.64
7798.00	17.70	2.30	7792.15	-21.95	-1.27	-21.91	21.99	183.31	10.00
7829.00	20.00	1.90	7821.48	-11.94	-.90	-11.92	11.97	184.33	7.43
7861.00	21.80	1.90	7851.38	-.53	-.53	-.52	.75	224.68	5.62
7893.00	24.30	.80	7880.82	11.99	-.24	12.00	12.00	358.87	7.93
7925.00	26.60	359.60	7909.71	25.74	-.19	25.74	25.74	359.57	7.37
7957.00	28.90	358.70	7938.03	40.64	-.42	40.64	40.64	359.41	7.31
7988.00	31.90	358.40	7964.77	56.32	-.82	56.32	56.32	359.17	9.69
8020.00	34.70	357.50	7991.51	73.87	-1.45	73.89	73.89	358.87	8.88
8052.00	38.10	357.70	8017.26	92.84	-2.25	92.87	92.87	358.61	10.63
8084.00	41.90	357.70	8041.77	113.39	-3.07	113.43	113.43	358.45	11.87
8116.00	44.90	358.40	8065.02	135.36	-3.82	135.42	135.42	358.39	9.49
8148.00	47.20	357.70	8087.23	158.39	-4.60	158.45	158.45	358.34	7.36
8179.00	48.80	357.30	8107.97	181.40	-5.61	181.48	181.49	358.23	5.25
8211.00	50.40	357.70	8128.71	205.75	-6.67	205.85	205.86	358.14	5.09
8243.00	51.80	358.00	8148.80	230.63	-7.60	230.75	230.76	358.11	4.44
8272.00	52.80	359.80	8166.54	253.57	-8.04	253.69	253.70	358.18	6.00
8304.00	54.70	359.30	8185.46	279.38	-8.25	279.49	279.50	358.31	6.07
8336.00	58.50	359.60	8203.07	306.09	-8.50	306.20	306.20	358.41	11.90

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	
8367.00	62.10	359.60	8218.43	333.01	-8.69	333.12	333.12	358.51	11.61
8399.00	64.50	358.60	8232.81	361.59	-9.14	361.70	361.71	358.55	8.00
8431.00	67.50	357.50	8245.82	390.80	-10.14	390.93	390.93	358.51	9.89
8462.00	71.20	357.20	8256.75	419.77	-11.48	419.93	419.93	358.43	11.97
8494.00	73.60	357.50	8266.43	450.24	-12.89	450.42	450.43	358.36	7.55
8526.00	75.70	358.00	8274.90	481.07	-14.10	481.27	481.28	358.32	6.73
8557.00	79.20	.00	8281.63	511.32	-14.62	511.53	511.53	358.36	12.93
8589.00	81.40	1.00	8287.02	542.86	-14.35	543.05	543.05	358.49	7.53
8621.00	83.90	1.50	8291.12	574.59	-13.66	574.75	574.75	358.64	7.96
8653.00	88.10	2.30	8293.35	606.49	-12.60	606.61	606.62	358.81	13.36
8675.00	90.00	2.60	8293.71	628.46	-11.66	628.56	628.57	358.94	8.74
8715.00	91.40	2.30	8293.22	668.42	-9.95	668.47	668.49	359.15	3.58
8747.00	92.20	2.30	8292.22	700.38	-8.66	700.39	700.43	359.29	2.50
8778.00	91.70	2.60	8291.16	731.33	-7.34	731.30	731.37	359.43	1.88
8809.00	92.10	3.00	8290.14	762.28	-5.83	762.20	762.30	359.56	1.82
8841.00	91.50	2.10	8289.13	794.23	-4.40	794.11	794.24	359.68	3.38
8872.00	90.10	1.40	8288.70	825.21	-3.46	825.06	825.22	359.76	5.05
8904.00	90.10	1.20	8288.64	857.20	-2.73	857.02	857.21	359.82	.62
8936.00	89.60	.70	8288.73	889.20	-2.20	889.00	889.20	359.86	2.21
8968.00	89.60	.10	8288.95	921.20	-1.98	920.98	921.20	359.88	1.87
8999.00	89.10	359.30	8289.30	952.19	-2.14	951.97	952.20	359.87	3.04
9031.00	89.40	359.10	8289.72	984.19	-2.59	983.97	984.19	359.85	1.13
9063.00	89.10	358.20	8290.14	1016.18	-3.34	1015.97	1016.18	359.81	2.96
9094.00	89.30	357.50	8290.57	1047.15	-4.50	1046.96	1047.16	359.75	2.35
9126.00	89.30	357.50	8290.96	1079.12	-5.90	1078.95	1079.13	359.69	.00
9158.00	89.60	357.30	8291.27	1111.08	-7.35	1110.94	1111.11	359.62	1.13
9190.00	90.10	357.50	8291.35	1143.05	-8.80	1142.93	1143.09	359.56	1.68
9222.00	88.90	357.90	8291.63	1175.02	-10.09	1174.93	1175.07	359.51	3.95
9253.00	88.70	358.60	8292.28	1206.00	-11.03	1205.92	1206.05	359.48	2.35
9285.00	89.00	357.90	8292.92	1237.98	-12.01	1237.91	1238.04	359.44	2.38
9316.00	89.30	357.70	8293.38	1268.95	-13.20	1268.91	1269.02	359.40	1.16
9348.00	89.50	357.90	8293.72	1300.93	-14.43	1300.90	1301.01	359.36	.88
9380.00	89.80	357.50	8293.91	1332.90	-15.71	1332.90	1332.99	359.32	1.56
9412.00	88.60	357.00	8294.36	1364.86	-17.25	1364.88	1364.97	359.28	4.06
9444.00	88.50	357.00	8295.17	1396.81	-18.92	1396.86	1396.94	359.22	.31
9475.00	88.60	357.00	8295.96	1427.76	-20.54	1427.84	1427.90	359.18	.32
9507.00	88.80	357.30	8296.68	1459.71	-22.13	1459.82	1459.88	359.13	1.13
9538.00	89.30	357.00	8297.20	1490.66	-23.67	1490.80	1490.85	359.09	1.88
9570.00	89.50	357.20	8297.53	1522.62	-25.29	1522.79	1522.83	359.05	.88
9602.00	88.50	357.30	8298.09	1554.58	-26.83	1554.78	1554.81	359.01	3.14
9633.00	88.50	357.20	8298.90	1585.53	-28.31	1585.76	1585.79	358.98	.32
9665.00	88.50	357.50	8299.74	1617.49	-29.79	1617.74	1617.76	358.94	.94
9728.00	89.00	357.30	8301.11	1680.41	-32.65	1680.71	1680.73	358.89	.85
9791.00	89.30	356.80	8302.05	1743.32	-35.89	1743.68	1743.69	358.82	.93
9854.00	89.30	356.10	8302.82	1806.19	-39.79	1806.63	1806.63	358.74	1.11

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	
9917.00	90.20	357.70	8303.09	1869.10	-43.20	1869.59	1869.60	358.68	2.91
9980.00	90.60	357.90	8302.65	1932.05	-45.62	1932.59	1932.59	358.65	.71
10043.00	90.90	357.90	8301.83	1995.00	-47.93	1995.58	1995.58	358.62	.48
10106.00	89.80	358.40	8301.44	2057.96	-49.96	2058.57	2058.57	358.61	1.92
10170.00	89.50	358.00	8301.83	2121.93	-51.97	2122.57	2122.57	358.60	.78
10233.00	89.90	358.00	8302.16	2184.89	-54.17	2185.56	2185.56	358.58	.63
10296.00	90.70	358.60	8301.83	2247.86	-56.04	2248.56	2248.56	358.57	1.59
10359.00	90.00	358.90	8301.45	2310.85	-57.41	2311.56	2311.56	358.58	1.21
10423.00	89.80	358.90	8301.56	2374.83	-58.64	2375.56	2375.56	358.59	.31
10486.00	88.20	359.10	8302.66	2437.81	-59.74	2438.54	2438.55	358.60	2.56
10549.00	88.50	359.10	8304.47	2500.78	-60.73	2501.52	2501.52	358.61	.48
10613.00	88.60	359.10	8306.09	2564.75	-61.73	2565.49	2565.49	358.62	.16
10677.00	89.40	358.60	8307.21	2628.73	-63.02	2629.48	2629.48	358.63	1.47
10740.00	90.00	358.40	8307.54	2691.70	-64.67	2692.48	2692.48	358.62	1.00
10804.00	90.30	358.20	8307.37	2755.68	-66.57	2756.48	2756.48	358.62	.56
10867.00	90.70	358.40	8306.82	2818.65	-68.44	2819.48	2819.48	358.61	.71
10931.00	89.70	358.70	8306.60	2882.62	-70.06	2883.48	2883.48	358.61	1.63
10993.00	89.50	359.30	8307.03	2944.61	-71.14	2945.47	2945.47	358.62	1.02
11056.00	90.00	358.90	8307.31	3007.60	-72.13	3008.47	3008.47	358.63	1.02
11120.00	89.10	359.80	8307.81	3071.60	-72.85	3072.46	3072.46	358.64	1.99
11183.00	89.60	.00	8308.52	3134.59	-72.96	3135.44	3135.44	358.67	.85
11247.00	88.80	359.60	8309.42	3198.59	-73.19	3199.42	3199.42	358.69	1.40
11311.00	88.80	359.80	8310.76	3262.57	-73.52	3263.40	3263.40	358.71	.31
11374.00	88.70	359.10	8312.13	3325.55	-74.13	3326.37	3326.38	358.72	1.12
11434.00	88.90	357.70	8313.39	3385.51	-75.80	3386.36	3386.36	358.72	2.36
11496.00	89.30	356.80	8314.36	3447.43	-78.77	3448.33	3448.33	358.69	1.59
11560.00	90.60	356.80	8314.42	3511.33	-82.35	3512.30	3512.30	358.66	2.03
11623.00	90.80	356.60	8313.65	3574.22	-85.97	3575.26	3575.26	358.62	.45
11686.00	91.50	356.50	8312.39	3637.10	-89.76	3638.20	3638.20	358.59	1.12
11750.00	90.80	358.40	8311.10	3701.02	-92.61	3702.17	3702.18	358.57	3.16
11813.00	89.50	358.60	8310.94	3763.99	-94.26	3765.17	3765.17	358.57	2.09
11877.00	89.00	358.70	8311.77	3827.97	-95.77	3829.17	3829.17	358.57	.80
11940.00	89.50	358.60	8312.60	3890.95	-97.25	3892.16	3892.16	358.57	.81
12003.00	90.10	358.40	8312.82	3953.92	-98.90	3955.16	3955.16	358.57	1.00
12067.00	89.20	358.70	8313.21	4017.90	-100.52	4019.16	4019.16	358.57	1.48
12130.00	88.90	358.70	8314.25	4080.88	-101.95	4082.15	4082.15	358.57	.48
12194.00	89.30	358.70	8315.26	4144.85	-103.40	4146.14	4146.14	358.57	.63
12257.00	89.80	358.90	8315.75	4207.84	-104.72	4209.14	4209.14	358.57	.85
12321.00	90.20	358.90	8315.75	4271.83	-105.95	4273.14	4273.14	358.58	.62
12384.00	89.30	359.10	8316.03	4334.81	-107.05	4336.13	4336.14	358.59	1.46
12448.00	89.20	359.10	8316.87	4398.80	-108.05	4400.13	4400.13	358.59	.16
12512.00	89.60	358.60	8317.54	4462.78	-109.34	4464.12	4464.12	358.60	1.00
12575.00	90.00	358.70	8317.76	4525.77	-110.82	4527.12	4527.12	358.60	.65
12639.00	90.20	358.70	8317.64	4589.75	-112.27	4591.12	4591.12	358.60	.31
12702.00	90.20	359.10	8317.42	4652.74	-113.48	4654.12	4654.12	358.60	.63

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	
12756.00	90.30	359.10	8317.19	4706.73	-114.33	4708.12	4708.12	358.61	.19
Projection to Total Depth									
12809.00	90.30	359.10	8316.91	4759.72	-115.16	4761.12	4761.12	358.61	.00



COMPANY: Mewbourne Oil Company
 WELL: Delaware Ranch 12 NC Fed Com #1H
 COUNTY: Eddy County, New Mexico
 DATUM: NAD 1927 (NADCON CONUS)
 RIG: Patterson 36



OFFICE: 936.582.7276

GRID CORRECTION: To convert a Magnetic Direction to a Grid Direction, Add 7.35°

GEODETTIC ZONE: New Mexico East 3001					
G2944 + 20 @ 2964.0usft (Patterson 36)					
GROUND ELEVATION: 2944.0					
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.0	0.0	382095.90	590242.90	32° 3' 0.583 N	104° 2' 31.431 W

PLAN SECTIONS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	7590.0	1.10	276.42	7586.8	-47.5	-0.6	0.00	0.00	-47.5	
2	7820.1	1.10	276.42	7816.9	-47.0	-5.0	0.00	0.00	-46.9	
3	8566.0	89.66	358.81	8293.0	427.3	-23.9	12.00	82.39	427.7	
4	12929.4	89.66	358.81	8319.0	4789.6	-114.9	0.00	0.00	4791.0	PBHL Delaware Ranch 12 NC Fed Com #1H

