

OPERATOR
WELL/LEASE
COUNTY

MEWBOURNE
WYATT DRAW 13 MD 1H
EDDY

101-0108

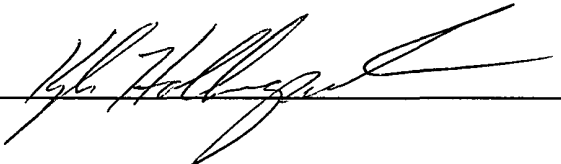
STATE OF NEW MEXICO
DEVIATION REPORT

30-015-38306

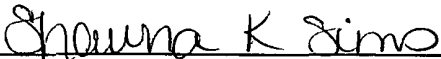
240	0.26
670	0.41
1,127	0.71
1,611	0.28
1,991	0.93

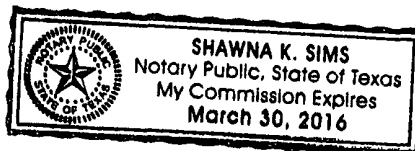
STATE OF TEXAS

COUNTY OF MIDLAND

BY: 

The foregoing instrument was acknowledged before me on 7/17/12, by
Kyle Hollingsworth on behalf of Patterson-UTI Drilling Company LLC.


Notary Public for Midland County, Texas
My Commission Expires





Company: Mewbourne Oil Company

Lease/Well: Wyatt Draw 13 MD/1H

Location: S24 T19s R25e

Rig Name: Patterson 101

State/County: New Mexico/Eddy

Latitude: 32.65

GRID North is 0.06 Degrees West of True North

VS-Azi: 358.94 Degrees



Depth Reference : RKB = 18.5 Feet

DRILLOG HA GYRO SURVEY CALCULATIONS

Filename: ...draw 13 md #1h_gyro survey.ut

Minimum Curvature Method

Report Date/Time: 7/3/2012 / 16:13

Vaughn Energy Services

Gardendale, TX

(432) 563-5444

Surveyor: Colby Ware

Wyatt Draw 13 MD 1H / API 30-015-38306

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	****
100.00	0.11	255.61	100.00	-0.02	-0.09	-0.02	0.10	255.61	0.11
200.00	0.09	263.73	200.00	-0.06	-0.27	-0.05	0.27	257.92	0.03
300.00	0.52	255.66	300.00	-0.18	-0.78	-0.16	0.80	257.20	0.43
400.00	0.61	242.17	399.99	-0.54	-1.70	-0.51	1.78	252.36	0.16
500.00	0.57	222.87	499.99	-1.15	-2.51	-1.11	2.76	245.28	0.20
600.00	0.42	221.60	599.98	-1.79	-3.09	-1.74	3.57	239.85	0.15
700.00	0.33	230.16	699.98	-2.26	-3.56	-2.19	4.21	237.62	0.11
800.00	0.33	254.00	799.98	-2.52	-4.05	-2.44	4.77	238.13	0.14
900.00	0.17	262.13	899.98	-2.62	-4.47	-2.54	5.18	239.64	0.17
1000.00	0.30	268.97	999.98	-2.64	-4.88	-2.55	5.55	241.55	0.14
1100.00	0.64	274.13	1099.98	-2.61	-5.70	-2.50	6.27	245.43	0.34
1200.00	0.60	277.05	1199.97	-2.50	-6.78	-2.38	7.23	249.75	0.05
1300.00	0.47	280.21	1299.96	-2.37	-7.71	-2.22	8.06	252.95	0.13
1400.00	0.27	282.96	1399.96	-2.24	-8.34	-2.09	8.64	254.97	0.21
1500.00	0.57	280.39	1499.96	-2.10	-9.05	-1.93	9.29	256.95	0.30
1600.00	0.46	281.50	1599.96	-1.93	-9.93	-1.75	10.12	259.00	0.11
1700.00	0.66	291.26	1699.95	-1.64	-10.86	-1.44	10.98	261.41	0.23
1800.00	0.79	285.75	1799.94	-1.24	-12.06	-1.02	12.12	264.11	0.14
1900.00	0.60	278.62	1899.94	-0.98	-13.24	-0.73	13.28	265.77	0.20
2000.00	0.47	280.60	1999.93	-0.82	-14.17	-0.56	14.19	266.67	0.13

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
2081.00	0.61	281.28	2080.93	-0.68	-14.92	-0.40	14.93	267.39	0.16



Job Number: S12-091
Company: Mewbourne Oil Company
Lease/Well: Wyatt Draw 13 MD #001H
Location: NM-East
Rig Name: Patterson #101
State/Country: New Mexico/ Eddy
Country: United States of America
API Number: 30-015-38306

Elevation (To MSL): 0.00 ft
RKB: 0.00 ft
Projection System: US State Plane 1927 (Exact solution)
Projection Group: New Mexico East 3001
Projection Datum: CLARKE 1866
Magnetic Declination: 7.91
Grid Convergence: -0.06020 W
Date: Wednesday, July 18, 2012

Calculated by HawkEye Software
 Minimum Curvature Method
 Vertical Section Plane 358.94°
 Northing (US ft): 601258.26 Easting (US ft): 465657.08
 Latitude: 32°39'10.4794" N Longitude: -104°26'41.7002" W
 Well Location: 193.50 FNL, 436.47 FWL, Section 24, T19S, R25E, Meridian 23, Eddy County, NM
 Direction Reference: Grid North

Measured Depth (Ft)	INC Deg	AZM Deg	TVD (Ft)	NS (Ft)	EW (Ft)	Northing (US ft)	Easting (US ft)	Latitude DMS	Longitude DMS	Build Rate °/100Ft	VS (Ft)	Closure (Ft)	Closure Dir Deg	DLS °/100Ft
TI: 2081 MD, 0.61°														
2081.00	0.61	281.28	2080.93	-0.68	-14.92	601257.58	465642.16	32°39'10.4726" N	-104°26'41.8747" W	0.00	-0.40	14.94	267.39	0.00
2158.00	2.40	0.20	2157.90	1.01	-15.32	601259.27	465641.76	32°39'10.4893" N	-104°26'41.8794" W	2.32	1.30	15.35	273.78	3.06
2190.00	5.50	3.70	2189.83	3.21	-15.22	601261.47	465641.86	32°39'10.5111" N	-104°26'41.8782" W	9.69	3.49	15.55	281.93	9.71
2222.00	8.40	4.90	2221.59	7.07	-14.92	601265.33	465642.16	32°39'10.5493" N	-104°26'41.8748" W	9.06	7.35	16.51	295.37	9.07
2254.00	11.40	5.40	2253.11	12.55	-14.42	601270.81	465642.66	32°39'10.6035" N	-104°26'41.8690" W	9.38	12.82	19.12	311.04	9.38
2285.00	14.90	3.00	2283.29	19.58	-13.92	601277.84	465643.16	32°39'10.6731" N	-104°26'41.8633" W	11.29	19.84	24.03	324.59	11.42
2317.00	18.50	1.40	2313.93	28.77	-13.58	601287.03	465643.50	32°39'10.7640" N	-104°26'41.8594" W	11.25	29.02	31.82	334.73	11.34
2349.00	21.60	0.90	2343.99	39.74	-13.37	601298.00	465643.71	32°39'10.8725" N	-104°26'41.8570" W	9.69	39.98	41.93	341.41	9.70
2380.00	24.50	1.10	2372.51	51.87	-13.15	601310.13	465643.93	32°39'10.9926" N	-104°26'41.8547" W	9.35	52.11	53.51	345.77	9.36
2411.00	27.70	2.00	2400.35	65.50	-12.78	601323.76	465644.30	32°39'11.1275" N	-104°26'41.8505" W	10.32	65.73	66.74	348.96	10.40
2442.00	30.80	3.40	2427.39	80.63	-12.06	601338.89	465645.02	32°39'11.2772" N	-104°26'41.8422" W	10.00	80.84	81.53	351.50	10.24
2474.00	33.60	4.10	2454.47	97.64	-10.94	601355.90	465646.14	32°39'11.4456" N	-104°26'41.8293" W	8.75	97.83	98.25	353.61	8.83
2505.00	36.60	4.50	2479.83	115.42	-9.60	601373.68	465647.48	32°39'11.6215" N	-104°26'41.8139" W	9.68	115.57	115.82	355.25	9.71
2536.00	39.90	4.70	2504.17	134.54	-8.06	601392.80	465649.02	32°39'11.8108" N	-104°26'41.7961" W	10.65	134.67	134.79	356.57	10.65
2567.00	43.10	4.50	2527.38	155.02	-6.41	601413.28	465650.67	32°39'12.0134" N	-104°26'41.7771" W	10.32	155.11	155.15	357.63	10.33
2598.00	46.10	3.80	2549.46	176.72	-4.84	601434.98	465652.24	32°39'12.2282" N	-104°26'41.7590" W	9.68	176.78	176.79	358.43	9.81
2630.00	49.40	3.00	2570.97	200.37	-3.44	601458.63	465653.64	32°39'12.4622" N	-104°26'41.7429" W	10.31	200.40	200.40	359.02	10.48
2661.00	52.50	2.70	2590.50	224.41	-2.24	601482.67	465654.84	32°39'12.7001" N	-104°26'41.7292" W	10.00	224.41	224.42	359.43	10.03
2693.00	55.50	2.30	2609.30	250.27	-1.12	601508.53	465655.96	32°39'12.9560" N	-104°26'41.7164" W	9.38	250.25	250.27	359.74	9.43
2724.00	58.70	1.60	2626.14	276.28	-0.23	601534.54	465656.85	32°39'13.2134" N	-104°26'41.7064" W	10.32	276.24	276.28	359.95	10.50
2756.00	61.50	1.50	2642.09	304.01	0.52	601562.27	465657.60	32°39'13.4878" N	-104°26'41.6979" W	8.75	303.94	304.01	0.10	8.75
2787.00	64.50	1.50	2656.16	331.61	1.24	601589.87	465658.32	32°39'13.7610" N	-104°26'41.6898" W	9.68	331.53	331.62	0.21	9.68
2818.00	68.20	1.80	2668.59	359.99	2.06	601618.25	465659.14	32°39'14.0419" N	-104°26'41.6806" W	11.94	359.89	360.00	0.33	11.97
2849.00	70.50	2.10	2679.53	388.98	3.04	601647.24	465660.12	32°39'14.3287" N	-104°26'41.6694" W	7.42	388.86	389.00	0.45	7.47
2881.00	74.00	1.70	2689.28	419.44	4.05	601677.70	465661.13	32°39'14.6301" N	-104°26'41.6580" W	10.94	419.29	419.46	0.55	11.00
2912.00	76.80	1.60	2697.09	449.42	4.92	601707.68	465662.00	32°39'14.9268" N	-104°26'41.6482" W	9.03	449.25	449.45	0.63	9.04

Measured Depth (Ft)	INC Deg	AZM Deg	TVD (Ft)	NS (Ft)	EW (Ft)	Northing (US ft)	Easting (US ft)	Latitude DMS	Longitude DMS	Build Rate "/100Ft	VS (Ft)	Closure (Ft)	Closure Dir Deg	DLS "/100Ft
2944.00	79.40	1.40	2703.69	480.72	5.74	601738.98	465662.82	32°39'15.2366" N	-104°26'41.6390" W	8.13	480.53	480.76	0.68	8.15
2975.00	82.40	1.00	2708.59	511.32	6.38	601769.58	465663.46	32°39'15.5394" N	-104°26'41.6319" W	9.68	511.12	511.36	0.71	9.76
3007.00	85.10	0.50	2712.08	543.12	6.79	601801.38	465663.87	32°39'15.8541" N	-104°26'41.6274" W	8.44	542.91	543.17	0.72	8.58
3103.00	89.70	0.00	2716.43	639.00	7.21	601897.26	465664.29	32°39'16.8029" N	-104°26'41.6237" W	4.79	638.76	639.04	0.65	4.82
3135.00	89.60	0.10	2716.63	671.00	7.24	601929.26	465664.32	32°39'17.1195" N	-104°26'41.6238" W	-0.31	670.75	671.04	0.62	0.44
3166.00	90.70	359.40	2716.55	702.00	7.10	601960.26	465664.18	32°39'17.4263" N	-104°26'41.6258" W	3.55	701.75	702.03	0.58	4.21
3198.00	90.80	359.10	2716.13	733.99	6.68	601992.25	465663.76	32°39'17.7429" N	-104°26'41.6310" W	0.31	733.74	734.02	0.52	0.99
3230.00	90.80	358.80	2715.68	765.98	6.10	602024.24	465663.18	32°39'18.0594" N	-104°26'41.6383" W	0.00	765.74	766.01	0.46	0.94
3262.00	90.80	359.30	2715.23	797.98	5.57	602056.24	465662.65	32°39'18.3760" N	-104°26'41.6449" W	0.00	797.74	798.00	0.40	1.56
3293.00	90.90	359.30	2714.77	828.97	5.19	602087.23	465662.27	32°39'18.6827" N	-104°26'41.6497" W	0.32	828.73	828.99	0.36	0.32
3325.00	90.90	359.10	2714.27	860.96	4.74	602119.22	465661.82	32°39'18.9993" N	-104°26'41.6553" W	0.00	860.73	860.98	0.32	0.62
3357.00	91.10	359.10	2713.71	892.95	4.24	602151.21	465661.32	32°39'19.3159" N	-104°26'41.6616" W	0.62	892.72	892.96	0.27	0.62
3389.00	91.10	359.10	2713.10	924.94	3.74	602183.20	465660.82	32°39'19.6324" N	-104°26'41.6679" W	0.00	924.72	924.95	0.23	0.00
3420.00	91.10	359.20	2712.50	955.94	3.28	602214.20	465660.36	32°39'19.9391" N	-104°26'41.6736" W	0.00	955.71	955.94	0.20	0.32
3452.00	90.90	358.60	2711.94	987.92	2.66	602246.18	465659.74	32°39'20.2557" N	-104°26'41.6812" W	-0.62	987.71	987.93	0.15	1.98
3484.00	90.40	357.40	2711.58	1019.90	1.55	602278.16	465658.63	32°39'20.5721" N	-104°26'41.6947" W	-1.56	1019.70	1019.90	0.09	4.06
3547.00	89.80	356.20	2711.47	1082.80	-1.97	602341.06	465655.11	32°39'21.1945" N	-104°26'41.7366" W	-0.95	1082.65	1082.80	359.90	2.13
3611.00	90.50	355.80	2711.30	1146.65	-6.43	602404.91	465650.65	32°39'21.8262" N	-104°26'41.7896" W	1.09	1146.57	1146.66	359.68	1.26
3674.00	90.50	356.20	2710.75	1209.49	-10.83	602467.75	465646.25	32°39'22.4481" N	-104°26'41.8417" W	0.00	1209.48	1209.54	359.49	0.63
3738.00	90.50	357.00	2710.20	1273.37	-14.62	602531.63	465642.46	32°39'23.0802" N	-104°26'41.8869" W	0.00	1273.43	1273.46	359.34	1.25
3801.00	90.50	357.20	2709.65	1336.29	-17.81	602594.55	465639.27	32°39'23.7028" N	-104°26'41.9250" W	0.00	1336.39	1336.41	359.24	0.32
3864.00	90.60	357.70	2709.04	1399.23	-20.61	602657.49	465636.47	32°39'24.3255" N	-104°26'41.9585" W	0.16	1399.37	1399.38	359.16	0.81
3928.00	90.80	358.00	2708.26	1463.18	-23.02	602721.44	465634.06	32°39'24.9583" N	-104°26'41.9874" W	0.31	1463.35	1463.36	359.10	0.56
3992.00	91.00	358.70	2707.25	1527.14	-24.86	602785.40	465632.22	32°39'25.5913" N	-104°26'42.0098" W	0.31	1527.34	1527.34	359.07	1.14
4055.00	91.10	359.10	2706.10	1590.12	-26.07	602848.38	465631.01	32°39'26.2145" N	-104°26'42.0247" W	0.16	1590.33	1590.33	359.06	0.65
4119.00	89.90	359.90	2705.54	1654.11	-26.63	602912.37	465630.45	32°39'26.8477" N	-104°26'42.0320" W	-1.87	1654.32	1654.33	359.08	2.25
4182.00	89.70	359.40	2705.76	1717.11	-27.01	602975.37	465630.07	32°39'27.4711" N	-104°26'42.0373" W	-0.32	1717.32	1717.32	359.10	0.85
4246.00	89.50	359.30	2706.21	1781.10	-27.74	603039.36	465629.34	32°39'28.1044" N	-104°26'42.0465" W	-0.31	1781.31	1781.32	359.11	0.35
4309.00	89.70	359.70	2706.65	1844.10	-28.29	603102.36	465628.79	32°39'28.7278" N	-104°26'42.0538" W	0.32	1844.31	1844.32	359.12	0.71
4373.00	89.70	359.90	2706.98	1908.10	-28.51	603166.36	465628.57	32°39'29.3611" N	-104°26'42.0572" W	0.00	1908.30	1908.31	359.14	0.31
4436.00	89.00	359.40	2707.70	1971.09	-28.89	603229.35	465628.19	32°39'29.9844" N	-104°26'42.0624" W	-1.11	1971.29	1971.30	359.16	1.37
4499.00	90.70	358.70	2707.86	2034.08	-29.94	603292.34	465627.14	32°39'30.6077" N	-104°26'42.0754" W	2.70	2034.29	2034.30	359.16	2.92
4563.00	91.00	358.90	2706.91	2098.06	-31.28	603356.32	465625.80	32°39'31.2408" N	-104°26'42.0919" W	0.47	2098.28	2098.29	359.15	0.56
4626.00	90.70	358.50	2705.98	2161.04	-32.71	603419.30	465624.37	32°39'31.8640" N	-104°26'42.1094" W	-0.48	2161.27	2161.28	359.13	0.79
4690.00	90.40	358.60	2705.36	2225.01	-34.33	603483.27	465622.75	32°39'32.4971" N	-104°26'42.1291" W	-0.47	2225.27	2225.28	359.12	0.49
4754.00	90.20	358.50	2705.03	2288.99	-35.95	603547.25	465621.13	32°39'33.1302" N	-104°26'42.1488" W	-0.31	2289.27	2289.27	359.10	0.35
4818.00	89.90	358.00	2704.97	2352.96	-37.90	603611.22	465619.18	32°39'33.7632" N	-104°26'42.1725" W	-0.47	2353.26	2353.27	359.08	0.91
4882.00	89.70	357.60	2705.20	2416.91	-40.36	603675.17	465616.72	32°39'34.3960" N	-104°26'42.2020" W	-0.31	2417.25	2417.25	359.04	0.70
4945.00	90.90	358.60	2704.87	2479.88	-42.45	603738.14	465614.63	32°39'35.0191" N	-104°26'42.2272" W	1.90	2480.24	2480.24	359.02	2.48
5008.00	90.60	358.40	2704.04	2542.85	-44.10	603801.11	465612.98	32°39'35.6422" N	-104°26'42.2473" W	-0.48	2543.23	2543.23	359.01	0.57
5072.00	90.50	359.40	2703.43	2606.83	-45.32	603865.09	465611.76	32°39'36.2754" N	-104°26'42.2624" W	-0.16	2607.23	2607.23	359.00	1.57

Measured Depth (Ft)	INC Deg	AZM Deg	TVD (Ft)	NS (Ft)	EW (Ft)	Northing (US ft)	Easting (US ft)	Latitude DMS	Longitude DMS	Build Rate °/100Ft	VS (Ft)	Closure (Ft)	Closure Dir Deg	DLS °/100Ft
5135.00	90.10	359.10	2703.10	2669.83	-46.15	603928.09	465610.93	32°39'36.8987" N	-104°26'42.2729" W	-0.63	2670.22	2670.23	359.01	0.79
5198.00	90.00	359.40	2703.04	2732.82	-46.97	603991.08	465610.11	32°39'37.5221" N	-104°26'42.2833" W	-0.16	2733.22	2733.23	359.02	0.50
5262.00	90.50	359.80	2702.76	2796.82	-47.42	604055.08	465609.66	32°39'38.1554" N	-104°26'42.2893" W	0.78	2797.22	2797.22	359.03	1.00
5325.00	90.30	0.00	2702.32	2859.82	-47.53	604118.08	465609.55	32°39'38.7788" N	-104°26'42.2914" W	-0.32	2860.21	2860.21	359.05	0.45
5389.00	90.10	0.80	2702.10	2923.82	-47.08	604182.08	465610.00	32°39'39.4121" N	-104°26'42.2869" W	-0.31	2924.19	2924.19	359.08	1.29
5453.00	90.90	359.80	2701.54	2987.81	-46.75	604246.07	465610.33	32°39'40.0454" N	-104°26'42.2838" W	1.25	2988.16	2988.18	359.10	2.00
5515.00	90.90	0.10	2700.57	3049.80	-46.80	604308.06	465610.28	32°39'40.6588" N	-104°26'42.2852" W	0.00	3050.15	3050.16	359.12	0.48
5575.00	90.50	0.10	2699.83	3109.80	-46.70	604368.06	465610.38	32°39'41.2525" N	-104°26'42.2847" W	-0.67	3110.13	3110.15	359.14	0.67
5636.00	90.20	0.10	2699.46	3170.80	-46.59	604429.06	465610.49	32°39'41.8561" N	-104°26'42.2842" W	-0.49	3171.12	3171.14	359.16	0.49
5698.00	90.60	358.70	2699.03	3232.79	-47.24	604491.05	465609.84	32°39'42.4696" N	-104°26'42.2926" W	0.65	3233.11	3233.14	359.16	2.35
5760.00	90.40	358.40	2698.49	3294.77	-48.81	604553.03	465608.27	32°39'43.0829" N	-104°26'42.3117" W	-0.32	3295.11	3295.13	359.15	0.58
5823.00	90.40	358.80	2698.05	3357.75	-50.35	604616.01	465606.73	32°39'43.7061" N	-104°26'42.3305" W	0.00	3358.10	3358.13	359.14	0.63
5885.00	90.20	359.20	2697.72	3419.74	-51.43	604678.00	465605.65	32°39'44.3195" N	-104°26'42.3439" W	-0.32	3420.10	3420.12	359.14	0.72
5947.00	90.10	359.30	2697.56	3481.73	-52.24	604739.99	465604.84	32°39'44.9330" N	-104°26'42.3541" W	-0.16	3482.10	3482.12	359.14	0.23
6009.00	90.20	359.80	2697.40	3543.73	-52.73	604801.99	465604.35	32°39'45.5465" N	-104°26'42.3606" W	0.16	3544.10	3544.12	359.15	0.82
6070.00	90.10	359.40	2697.24	3604.73	-53.15	604862.99	465603.93	32°39'46.1501" N	-104°26'42.3663" W	-0.16	3605.09	3605.12	359.16	0.68
6131.00	90.20	359.30	2697.08	3665.72	-53.85	604923.98	465603.23	32°39'46.7537" N	-104°26'42.3752" W	0.16	3666.09	3666.12	359.16	0.23
6194.00	90.30	358.50	2696.80	3728.71	-55.06	604986.97	465602.02	32°39'47.3770" N	-104°26'42.3901" W	0.16	3729.09	3729.12	359.15	1.28
6257.00	90.00	358.80	2696.64	3791.69	-56.54	605049.95	465600.54	32°39'48.0002" N	-104°26'42.4082" W	-0.48	3792.09	3792.11	359.15	0.67
6321.00	89.80	359.50	2696.75	3855.69	-57.49	605113.95	465599.59	32°39'48.6334" N	-104°26'42.4201" W	-0.31	3856.09	3856.11	359.15	1.14
6385.00	90.00	358.90	2696.86	3919.68	-58.38	605177.94	465598.70	32°39'49.2667" N	-104°26'42.4314" W	0.31	3920.09	3920.11	359.15	0.99
6448.00	90.80	358.20	2696.42	3982.66	-59.98	605240.92	465597.10	32°39'49.8899" N	-104°26'42.4508" W	1.27	3983.08	3983.11	359.14	1.69
6512.00	90.70	358.40	2695.59	4046.62	-61.88	605304.88	465595.20	32°39'50.5229" N	-104°26'42.4738" W	-0.16	4047.07	4047.10	359.12	0.35
6576.00	90.50	358.40	2694.92	4110.59	-63.66	605368.85	465593.42	32°39'51.1559" N	-104°26'42.4955" W	-0.31	4111.07	4111.09	359.11	0.31
6639.00	90.50	359.10	2694.37	4173.58	-65.04	605431.84	465592.04	32°39'51.7791" N	-104°26'42.5123" W	0.00	4174.06	4174.08	359.11	1.11
6703.00	90.50	359.00	2693.81	4237.56	-66.10	605495.82	465590.98	32°39'52.4123" N	-104°26'42.5255" W	0.00	4238.06	4238.08	359.11	0.16
6766.00	90.10	358.30	2693.48	4300.55	-67.58	605558.81	465589.50	32°39'53.0355" N	-104°26'42.5437" W	-0.63	4301.06	4301.08	359.10	1.28
6830.00	89.80	358.30	2693.53	4364.52	-69.48	605622.78	465587.60	32°39'53.6686" N	-104°26'42.5667" W	-0.47	4365.06	4365.07	359.09	0.47
6893.00	90.40	358.00	2693.42	4427.48	-71.52	605685.74	465585.56	32°39'54.2916" N	-104°26'42.5913" W	0.95	4428.05	4428.06	359.07	1.06
6957.00	90.50	358.20	2692.92	4491.45	-73.64	605749.71	465583.44	32°39'54.9246" N	-104°26'42.6169" W	0.16	4492.04	4492.05	359.06	0.35
7021.00	90.40	358.80	2692.42	4555.42	-75.31	605813.68	465581.77	32°39'55.5576" N	-104°26'42.6373" W	-0.16	4556.04	4556.05	359.05	0.95
7084.00	89.90	358.70	2692.25	4618.41	-76.69	605876.67	465580.39	32°39'56.1809" N	-104°26'42.6541" W	-0.79	4619.04	4619.04	359.05	0.81
7148.00	90.50	357.50	2692.03	4682.37	-78.81	605940.63	465578.27	32°39'56.8138" N	-104°26'42.6797" W	0.94	4683.03	4683.03	359.04	2.10
7212.00	90.30	357.40	2691.58	4746.31	-81.66	606004.57	465575.42	32°39'57.4465" N	-104°26'42.7138" W	-0.31	4747.00	4747.01	359.01	0.35
7276.00	90.30	357.30	2691.25	4810.24	-84.61	606068.50	465572.47	32°39'58.0791" N	-104°26'42.7492" W	0.00	4810.98	4810.98	358.99	0.16
7340.00	90.10	357.70	2691.02	4874.17	-87.41	606132.43	465569.67	32°39'58.7118" N	-104°26'42.7827" W	-0.31	4874.96	4874.96	358.97	0.70
7404.00	90.10	358.00	2690.91	4938.13	-89.81	606196.39	465567.27	32°39'59.3446" N	-104°26'42.8115" W	0.00	4938.95	4938.95	358.96	0.47
7436.00	90.10	358.00	2690.86	4970.11	-90.92	606228.37	465566.16	32°39'59.6611" N	-104°26'42.8250" W	0.00	4970.94	4970.94	358.95	0.00
EOS: 7482 MD, 90.10°														
7482.00	90.10	358.00	2690.78	5016.08	-92.53	606274.34	465564.55	32°40'0.1160" N	-104°26'42.8443" W	0.00	5016.94	5016.94	358.94	0.00

MAGNETICS INFORMATION

Magnetic Model: C:\HawkEye\IGRF2010.MIF
Date for Magnetics: 05/29/2012
Latitude: 32°39'10.4794" N
Longitude: -104°26'41.7002" W
Magnetic Declination: 7.91
Total Correction(Mag to Grid): 7.97

Field Strength (nt): 48707
B-X Component (nt): 23828
B-Y Component (nt): 3309
B-Z Component (nt): 42351
B-Horz Component (nt): 24057
Dip Angle: 60.40

TARGET DATA

Name	Shape	Easting (Ft)	Northing (Ft)	Subsea TVD (Ft)	NS (Ft)	EW (Ft)	Side A (Ft)	Side B (Ft)	Diameter (Ft)
PBHL	CYLINDER	465564.28	606287.35	2688.00	5029.09	-92.80	100.00	200.00	100.00
LP	CYLINDER	465646.28	601843.16	2713.00	584.90	-10.80	100.00	100.00	100.00



**MEWBOURNE
OIL COMPANY**

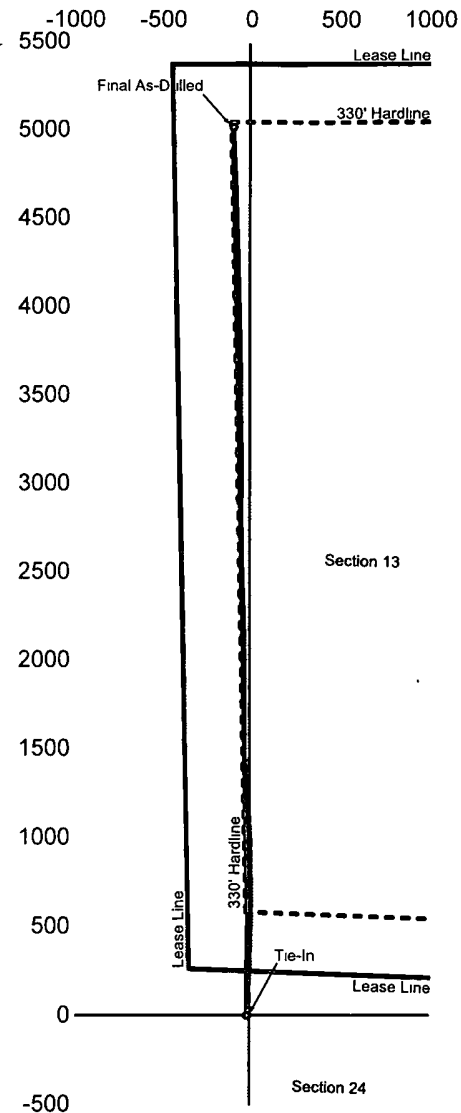


NM-East
NAD27

****Grid Correction = 7.966° E****

Final As-Drilled
5016.94' Displacement from S/L
@ 358.94° Azimuth from S/L
North 5016.08' West 92.53'
TVD 2690.78' MD 7482.00'
Y: 606274.34
X: 465564.55

Horizontal Plot
1" = 1000'

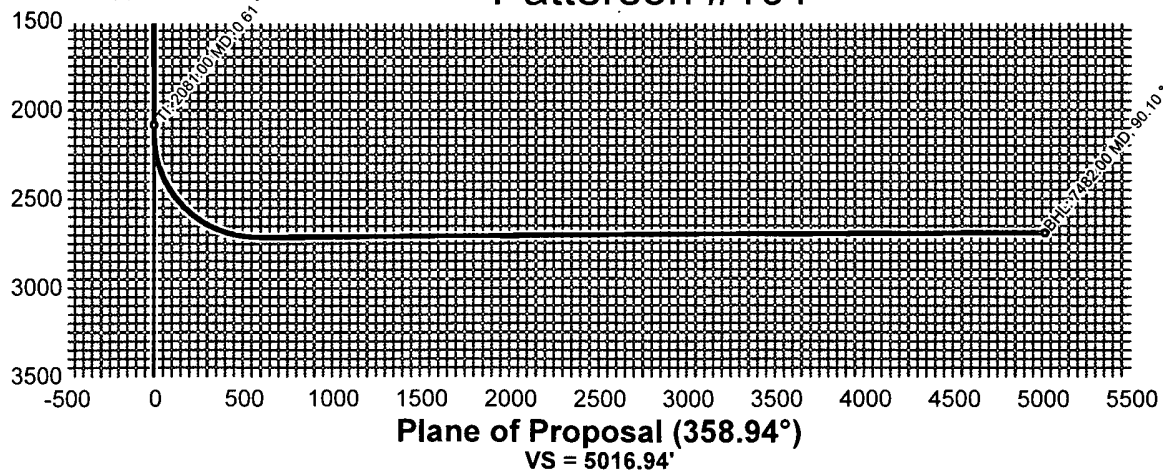


Final As-Drilled
July 18, 2012



Wyatt Draw 13 MD #001H
Eddy County, New Mexico
Patterson #101

Vertical Section Plot
1" = 1000'



Operating Company Mewbourne
 Well Name & Number Wyatt Draw 13 MD #1H
 Sales Ticket Number 4707060
 Date 7/5/2012

Company Rep N Berryman
 Field Santo Nino
 BOT Service Rep David Sartain
 District Location Odessa, Texas, USA



	Size	Weight	Grade	ID	Drift	Thread	Capacity	Length	Burst	Collapse	
Casing	7.000	26.00	P-110	6.276	6.151		0.03826	3,063.00	9,960	6,230	
Top Liner	4.500	11.60	338000	3.920	3.795	LT&C	0.01550	4,646.57	9,020	8,540	
Bott Liner											
TVD		2,690.00		KOP		2,140.00		Open Hole	6.125	Casing Vol. (bbl)	107.6
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	JR Setting Sleeve_RH Profile	2813.43							

Zone Length										
20		JR Sleeve_S3 Hyd Set Packer	2813.43	9.63	5.813	3.875				
		4-1/2-13.5 LTC Nipple	2823.06	8.00	5.000	3.920				
		6 Joints of 4-1/2-13.5 LTC Casing	2831.06	261.24	5.000	3.920				
	20	3 625 EX Frac Sleeve	3092.30	3.90	5.750		3.525	2375	316	108
		3 Joint of 4-1/2-13.5 LTC Casing	3096.20	132.62	5.000	3.920				
19		Baker Open Hole Packer	3228.82	3.89	5.820	3.875		2154		
		2 Joints of 4-1/2-13.5 LTC Casing	3232.71	89.92	5.000	3.920				
	19	3.500 EX Frac Sleeve	3322.63	3.90	5.750		3.400	2375	294	108
		3 Joint of 4-1/2-13.5 LTC Casing	3326.53	134.97	5.000	3.920				
		Baker Open Hole Packer	3461.50	3.89	5.820	3.875		2154		
18		2 Joints of 4-1/2-13.5 LTC Casing	3465.39	89.97	5.000	3.920				
	18	3 375 EX Frac Sleeve	3555.36	3.90	5.750		3.275	2375	273	108
		3 Joint of 4-1/2-13.5 LTC Casing	3559.26	135.01	5.000	3.920				
		Baker Open Hole Packer	3694.27	3.89	5.820	3.875		2154		
		3 Joints of 4-1/2-13.5 LTC Casing	3698.16	134.79	5.000	3.920				
17	17	3 250 EX Frac Sleeve	3832.95	3.90	5.750		3.150	2375	252	108
		2 Joint of 4-1/2-13.5 LTC Casing	3836.85	87.72	5.000	3.920				
		Baker Open Hole Packer	3924.57	3.89	5.820	3.875		2154		
		2 Joints of 4-1/2-13.5 LTC Casing	3928.46	84.78	5.000	3.920				
	16	3.125 EX Frac Sleeve	4013.24	3.90	5.750		3.025	2375	233	108
16		3 Joints of 4-1/2-13.5 LTC Casing	4017.14	127.98	5.000	3.920				
		Baker Open Hole Packer	4145.12	3.89	5.820	3.875		2154		

Operating Company Mewbourne
 Well Name & Number Wyatt Draw 13 MD #1H
 Sales Ticket Number 4707060
 Date 7/5/2012

Company Rep N Berryman
 Field Santo Nino
 BOT Service Rep David Sartain
 District Location Odessa, Texas, USA



	Size	Weight	Grade	ID	Drift	Thread	Capacity	Length	Burst	Collapse
Casing	7.000	26.00	P-110	6.276	6.151		0.03826	3,063.00	9,960	6,230
Top Liner	4.500	11.60	338000	3.920	3.795	LT&C	0.01550	4,646.57	9,020	8,540
Bott Liner										
TVD		2,690.00	KOP		2,140.00	Open Hole		6.125	Casing Vol. (bbl)	107.6
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)
15		3 Joints of 4-1/2-13.5 LTC Casing	4149.01	127.56	5.000	3.920				
	15	3.000 EX Frac sleeve	4276.57	3.90	5.750		2.900	2375	214	108
		2 Joint of 4-1/2-13.5 LTC Casing	4280.47	85.21	5.000	3.920				
14		Baker Open Hole Packer	4365.68	3.89	5.820	3.875		2154		
		3 Joints of 4-1/2-13.5 LTC Casing	4369.57	127.80	5.000	3.920				
	14	2.875 EX Frac Sleeve	4497.37	3.90	5.750		2.775	2375	196	108
13		2 Joints of 4-1/2-13.5 LTC Casing	4501.27	85.23	5.000	3.920				
		Baker Open Hole Packer	4586.50	3.89	5.820	3.875		2154		
		3 Joints of 4-1/2-13.5 LTC Casing	4590.39	127.81	5.000	3.920				
12	13	2.750 EX Frac Sleeve	4718.20	3.90	5.750		2.650	2375	179	108
		3 Joint of 4-1/2-13.5 LTC Casing	4722.10	127.79	5.000	3.920				
		Baker Open Hole Packer	4849.89	3.89	5.820	3.875		2154		
11		2 Joints of 4-1/2-13.5 LTC Casing	4853.78	85.25	5.000	3.920				
	12	2.625 EX Frac Sleeve	4939.03	3.90	5.750		2.525	2375	162	108
		3 Joints of 4-1/2-13.5 LTC Casing	4942.93	127.91	5.000	3.920				
10		Baker Open Hole Packer	5070.84	3.89	5.820	3.875		2154		
		2 Joints of 4-1/2-13.5 LTC Casing	5074.73	85.26	5.000	3.920				
	11	2.500 EX Frac Sleeve	5159.99	3.90	5.750		2.400	2375	147	108
9		3 Joint of 4-1/2-13.5 LTC Casing	5163.89	127.84	5.000	3.920				
		Baker Open Hole Packer	5291.73	3.89	5.820	3.875		2154		
		2 Joints of 4-1/2-13.5 LTC Casing	5295.62	85.26	5.000	3.920				
	10	2.375 EX Frac Sleeve	5380.88	3.90	5.750		2.275	2375	132	108
		3 Joints of 4-1/2-13.5 LTC Casing	5384.78	127.89	5.000	3.920				
		Baker Open Hole Packer	5512.67	3.89	5.820	3.875		2154		
		3 Joint of 4-1/2-13.5 LTC Casing	5516.56	127.86	5.000	3.920				
	9	2.250 EX Frac Sleeve	5644.42	3.90	5.750		2.150	2375	118	108

Operating Company Mewbourne
Well Name & Number Wyatt Draw 13 MD #1H
Sales Ticket Number 4707060
Date 7/5/2012

Company Rep N Berryman
Field Santo Nino
BOT Service Rep David Sartain
District Location Odessa, Texas, USA



	Size	Weight	Grade	ID	Drift	Thread	Capacity	Length	Burst	Collapse	
Casing	7.000	26.00	P-110	6.276	6.151		0.03826	3,063.00	9,960	6,230	
Top Liner	4.500	11.60	338000	3.920	3.795	LT&C	0.01550	4,646.57	9,020	8,540	
Bott Liner											
TVD		2,690.00		KOP		2,140.00		Open Hole	6.125	Casing Vol. (bbl)	107.6
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)
8		3 Joints of 4-1/2-13.5 LTC Casing	5648.32	127.82	5.000	3.920				
		Baker Open Hole Packer	5776.14	3.89	5.820	3.875		2154		
		2 Joint of 4-1/2-13.5 LTC Casing	5780.03	85.23	5.000	3.920				
7	8	2.125 EX Frac Sleeve	5865.26	3.90	5.750		2.025	2375	104	108
		3 Joints of 4-1/2-13.5 LTC Casing	5869.16	127.81	5.000	3.920				
		Baker Open Hole Packer	5996.97	3.89	5.820	3.875		2154		
6		2 Joint of 4-1/2-13.5 LTC Casing	6000.86	85.22	5.000	3.920				
	7	2.000 EX Frac Sleeve	6086.08	3.90	5.750		1.900	2375	92	108
		3 Joints of 4-1/2-13.5 LTC Casing	6089.98	127.85	5.000	3.920				
5		Baker Open Hole Packer	6217.83	3.89	5.820	3.875		2154		
		3 Joint of 4-1/2-13.5 LTC Casing	6221.72	127.90	5.000	3.920				
	6	1.875 EX Frac Sleeve	6349.62	3.90	5.750		1.775	2375	80	108
4		2 Joints of 4-1/2-13.5 LTC Casing	6353.52	85.21	5.000	3.920				
		Baker Open Hole Packer	6438.73	3.89	5.820	3.875		2154		
		3 Joints of 4-1/2-13.5 LTC Casing	6442.62	127.79	5.000	3.920				
3	5	1.750 EX Frac Sleeve	6570.41	3.90	5.750		1.650	2375	69	108
		2 Joint of 4-1/2-13.5 LTC Casing	6574.31	85.23	5.000	3.920				
		Baker Open Hole Packer	6659.54	3.89	5.820	3.875		2154		
2		3 Joints of 4-1/2-13.5 LTC Casing	6663.43	127.87	5.000	3.920				
	4	1.625 EX Frac Sleeve	6791.30	3.90	5.750		1.525	2375	59	108
		2 Joints of 4-1/2-13.5 LTC Casing	6795.20	85.28	5.000	3.920				
1		Baker Open Hole Packer	6880.48	3.89	5.820	3.875		2154		
		3 Joints of 4-1/2-13.5 LTC Casing	6884.37	127.85	5.000	3.920				
	3	1.500 DBL Ball Frac Sleeve	7012.22	3.90	5.750		1.400	2375	50	108
		3 Joint of 4-1/2-13.5 LTC Casing	7016.12	127.90	5.000	3.920				
		Baker Open Hole Packer	7144.02	3.89	5.820	3.875		2154		

Company Rep	N Berryman
Field	Santo Nino
BOT Service Rep	David Sartain
District Location	Odessa, Texas, USA



	Size	Weight	Grade	ID	Drift	Thread	Capacity	Length	Burst	Collapse
Casing	7.000	26.00	P-110	6.276	6.151		0.03826	3,063.00	9,960	6,230
Top Liner	4.500	11.60	338000	3.920	3.795	LT&C	0.01550	4,646.57	9,020	8,540
Bott Liner										
TVD		2,690.00	KOP		2,140.00	Open Hole		6.125	Casing Vol. (bbl)	107.6
Carry Fluid Weight (ppg)			8.4	Propant Content (ppa)				Max Drill Out Size		0

[illegible]