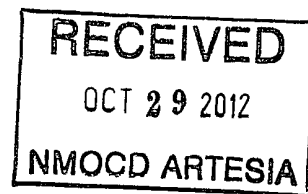


15-40024

OPERATOR
WELL/LEASE
COUNTY

MEWBOURNE OIL COMPANY
WYATT DRAW 24 IA # 1H
EDDY



STATE OF NEW MEXICO
DEVIATION REPORT

450	1.25
879	1.16
1,256	0.66
1,668	0.93

STATE OF TEXAS

COUNTY OF MIDLAND

BY: 

Received

SEP 12 2012

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

9/10/12 Shawna K. Sims Notary Public
Mewbourne Oil Company
Hobbs

Shawna Sims
Notary Public for Midland County, Texas
My Commission Expires:



Received

SEP 12 2012

Mewbourne Oil Company
Hobbs



Job Number: SVCO-121172
 Company: Mewbourne Oil & Gas
 Lease/Well: Wyatt Draw 24 1A 1H
 Location: Eddy County, NM
 Rig Name: Patterson #101
 RKB: 16'
 G.L. or M.S.L.: GL

State/Country: New Mexico/USA
 Declination: 7.95°
 Grid: East To Grid North
 File name: F:\SURVEY\2012SU~1\MEWBOU~1\CONROE\WYATTD~1\241A1H.SVY
 Date/Time: 22-Aug-12 / 09:45
 Curve Name: Surface - 2066' M.D. (Rate Gyro)

WINSERVE SURVEY CALCULATIONS
 Minimum Curvature Method
 Vertical Section Plane .42
 Vertical Section Referenced to Wellhead
 Rectangular Coordinates Referenced to Wellhead

We hereby certify that our survey data from
 Surface MD to 2,066 MD is, to the best of
 our knowledge a true and accurate account of the
 well bore.
 NIK Means 8/22/12
 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	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	.46	71.00	100.00	.13	.38	.13	.40	71.00	.46
200.00	.57	45.10	200.00	.61	1.11	.62	1.27	61.14	.25
300.00	.72	35.58	299.99	1.47	1.83	1.49	2.35	51.13	.18
400.00	.67	34.45	399.98	2.47	2.53	2.49	3.53	45.66	.05
500.00	.32	357.90	499.98	3.23	2.85	3.25	4.30	41.39	.45
600.00	.38	276.37	599.98	3.54	2.51	3.56	4.34	35.26	.46
700.00	.38	253.90	699.97	3.49	1.86	3.50	3.95	28.04	.15
800.00	.31	236.67	799.97	3.25	1.31	3.26	3.50	22.01	.12
900.00	.41	223.80	899.97	2.84	.84	2.85	2.96	16.46	.13

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	.45	186.36	999.97	2.19	.55	2.20	2.26	14.05	.28
1100.00	.46	173.88	1099.96	1.40	.55	1.41	1.51	21.32	.10
1200.00	.52	195.79	1199.96	.57	.47	.57	.74	39.43	.20
1300.00	.66	190.14	1299.96	-.44	.24	-.43	.50	150.87	.15
1400.00	.63	184.99	1399.95	-1.55	.09	-1.55	1.55	176.56	.07
1500.00	.70	191.79	1499.94	-2.70	-.08	-2.70	2.70	181.69	.11
1600.00	.57	213.59	1599.94	-3.71	-.48	-3.71	3.74	187.37	.27
1700.00	.54	212.58	1699.93	-4.52	-1.01	-4.53	4.63	192.58	.03
1800.00	.55	206.54	1799.93	-5.35	-1.48	-5.36	5.55	195.44	.06
1900.00	.61	211.44	1899.92	-6.23	-1.97	-6.24	6.53	197.54	.08
2000.00	1.04	280.90	1999.91	-6.51	-3.14	-6.53	7.23	205.73	1.00
Last Survey Depth Recorded									
2066.00	1.10	289.10	2065.90	-6.19	-4.32	-6.22	7.55	214.93	.25



Job Number: S12-122
Company: Mewbourne Oil Company
Lease/Well: Wyatt Draw 24 IA Com #1H
Location: NM-East
Rig Name: Patterson #101
State/Country: New Mexico/ Eddy
Country: United States of America
API Number: 30-015-40024

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: 7.90
Grid Convergence: -0.05339 W
Date: Thursday, October 04, 2012

Calculated by HawkEye Software
Minimum Curvature Method
Vertical Section Plane 0.42°

Northing (US ft): 597129.80 Easting (US ft): 469532.45
Latitude: 32°38'29.6635" N Longitude: -104°25'56.3261" W
Well Location: 1013.03 FSL, 947.69 FEL, Section 24, T19S, R25E, Meridian 23, Eddy County, NM
Direction Reference: Grid North

Measured Depth (Ft)	INC Deg	AZM Deg	Subsea TVD (Ft)	TVD (Ft)	NS (Ft)	EW (Ft)	Northing (US ft)	Easting (US ft)	Latitude DMS	Longitude DMS	Build Rate °/100Ft	VS (Ft)	Closure (Ft)	Dir Deg	DLS °/100Ft
TI: 2066 MD, 1.10°															
2066.00	1.10	289.10	2065.90	2065.90	-6.19	-4.32	597123.61	469528.13	32°38'29.6022" N	-104°25'56.3765" W	0.00	-6.22	7.55	214.91	0.00
2161.00	1.10	271.20	2160.88	2160.88	-5.87	-6.09	597123.93	469526.36	32°38'29.6053" N	-104°25'56.3973" W	0.00	-5.92	8.46	226.06	0.36
2256.00	1.10	261.80	2255.87	2255.87	-5.98	-7.91	597123.82	469524.54	32°38'29.6042" N	-104°25'56.4185" W	0.00	-6.04	9.92	232.89	0.19
2287.00	1.10	262.80	2286.86	2286.86	-6.06	-8.50	597123.74	469523.95	32°38'29.6034" N	-104°25'56.4254" W	0.00	-6.13	10.44	234.49	0.06
2319.00	1.10	281.20	2318.85	2318.85	-6.04	-9.10	597123.76	469523.35	32°38'29.6036" N	-104°25'56.4325" W	0.00	-6.11	10.93	236.43	1.10
2351.00	2.80	342.50	2350.84	2350.84	-5.24	-9.64	597124.57	469522.81	32°38'29.6116" N	-104°25'56.4388" W	5.31	-5.31	10.97	241.49	7.71
2383.00	6.80	356.20	2382.72	2382.72	-2.60	-10.00	597127.20	469522.45	32°38'29.6377" N	-104°25'56.4430" W	12.50	-2.67	10.33	255.43	12.92
2414.00	10.90	0.30	2413.34	2413.34	2.16	-10.11	597131.97	469522.34	32°38'29.6848" N	-104°25'56.4443" W	13.23	2.09	10.34	282.09	13.37
2445.00	15.00	2.40	2443.55	2443.55	9.11	-9.92	597138.91	469522.53	32°38'29.7535" N	-104°25'56.4422" W	13.23	9.03	13.47	312.54	13.31
2476.00	18.90	4.30	2473.20	2473.20	18.12	-9.38	597147.93	469523.07	32°38'29.8428" N	-104°25'56.4360" W	12.58	18.06	20.41	332.64	12.71
2507.00	22.60	5.00	2502.18	2502.18	29.07	-8.48	597158.87	469523.97	32°38'29.9511" N	-104°25'56.4256" W	11.94	29.01	30.28	343.73	11.96
2538.00	26.50	4.40	2530.37	2530.37	41.90	-7.43	597171.71	469525.02	32°38'30.0781" N	-104°25'56.4135" W	12.58	41.85	42.56	349.94	12.61
2569.00	30.00	3.50	2557.68	2557.68	56.54	-6.43	597186.34	469526.02	32°38'30.2230" N	-104°25'56.4019" W	11.29	56.49	56.90	353.51	11.37
2600.00	33.20	2.90	2584.08	2584.08	72.76	-5.53	597202.56	469526.92	32°38'30.3834" N	-104°25'56.3915" W	10.32	72.71	72.97	355.66	10.37
2631.00	36.50	2.20	2609.51	2609.51	90.45	-4.74	597220.25	469527.71	32°38'30.5585" N	-104°25'56.3825" W	10.65	90.41	90.57	357.00	10.72
2662.00	39.70	2.10	2633.91	2633.91	109.56	-4.03	597239.37	469528.42	32°38'30.7477" N	-104°25'56.3744" W	10.32	109.53	109.64	357.90	10.32
2694.00	43.30	2.10	2657.87	2657.87	130.75	-3.25	597260.55	469529.20	32°38'30.9573" N	-104°25'56.3655" W	11.25	130.72	130.79	358.58	11.25
2726.00	46.60	2.50	2680.51	2680.51	153.33	-2.34	597283.14	469530.11	32°38'31.1808" N	-104°25'56.3551" W	10.31	153.31	153.35	359.13	10.35
2757.00	50.60	2.50	2701.01	2701.01	176.56	-1.33	597306.36	469531.12	32°38'31.4107" N	-104°25'56.3435" W	12.90	176.55	176.57	359.57	12.90
2789.00	53.80	2.10	2720.62	2720.62	201.82	-0.31	597331.63	469532.14	32°38'31.6607" N	-104°25'56.3319" W	10.00	201.81	201.82	359.91	10.05
2820.00	58.00	1.70	2738.00	2738.00	227.47	0.54	597357.28	469532.99	32°38'31.9145" N	-104°25'56.3223" W	13.55	227.47	227.47	0.14	13.59
2852.00	61.00	1.20	2754.23	2754.23	255.03	1.23	597384.84	469533.68	32°38'32.1873" N	-104°25'56.3144" W	9.38	255.03	255.04	0.28	9.47
2883.00	65.00	0.70	2768.31	2768.31	282.64	1.69	597412.45	469534.14	32°38'32.4605" N	-104°25'56.3094" W	12.90	282.65	282.65	0.34	12.98
2914.00	68.40	0.70	2780.57	2780.57	311.11	2.04	597440.91	469534.49	32°38'32.7422" N	-104°25'56.3057" W	10.97	311.12	311.12	0.37	10.97
2946.00	72.50	0.70	2791.27	2791.27	341.26	2.40	597471.06	469534.85	32°38'33.0405" N	-104°25'56.3017" W	12.81	341.26	341.26	0.40	12.81
2977.00	76.00	0.80	2799.68	2799.68	371.08	2.79	597500.89	469535.24	32°38'33.3357" N	-104°25'56.2974" W	11.29	371.10	371.10	0.43	11.29

Measured Depth (Ft)	INC Deg	AZM Deg	Subsea TVD (Ft)	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
3008.00	80.30	1.00	2806.05	2806.05	401.41	3.27	597531.22	469535.72	32°38'33.6358" N	-104°25'56.2922" W	13.87	401.43	401.43	0.47	13.89
3039.00	85.00	1.40	2810.01	2810.01	432.14	3.92	597561.95	469536.37	32°38'33.9399" N	-104°25'56.2850" W	15.16	432.16	432.16	0.52	15.22
3071.00	89.50	1.40	2811.55	2811.55	464.09	4.70	597593.89	469537.15	32°38'34.2560" N	-104°25'56.2762" W	14.06	464.11	464.11	0.58	14.06
3103.00	91.30	1.40	2811.33	2811.33	496.08	5.48	597625.88	469537.93	32°38'34.5726" N	-104°25'56.2674" W	5.62	496.10	496.11	0.63	5.62
3134.00	92.20	0.70	2810.38	2810.38	527.06	6.05	597656.86	469538.50	32°38'34.8792" N	-104°25'56.2611" W	2.90	527.09	527.09	0.66	3.68
3155.00	92.70	1.30	2809.48	2809.48	548.03	6.41	597677.84	469538.86	32°38'35.0868" N	-104°25'56.2571" W	2.38	548.07	548.07	0.67	3.72
3234.00	91.60	1.60	2806.52	2806.52	626.95	8.41	597756.76	469540.86	32°38'35.8677" N	-104°25'56.2346" W	-1.39	627.00	627.01	0.77	1.44
3298.00	90.90	1.40	2805.12	2805.12	690.91	10.08	597820.72	469542.53	32°38'36.5007" N	-104°25'56.2157" W	-1.09	690.97	690.99	0.84	1.14
3362.00	90.30	1.10	2804.45	2804.45	754.90	11.48	597884.70	469543.93	32°38'37.1338" N	-104°25'56.2000" W	-0.94	754.96	754.98	0.87	1.05
3426.00	89.70	0.70	2804.45	2804.45	818.89	12.49	597948.69	469544.94	32°38'37.7671" N	-104°25'56.1890" W	-0.94	818.96	818.98	0.87	1.13
3489.00	89.30	0.30	2805.00	2805.00	881.88	13.04	598011.69	469545.49	32°38'38.3905" N	-104°25'56.1832" W	-0.63	881.95	881.98	0.85	0.90
3553.00	89.70	359.90	2805.56	2805.56	945.88	13.15	598075.68	469545.60	32°38'39.0238" N	-104°25'56.1826" W	0.63	945.95	945.97	0.80	0.88
3616.00	89.80	0.90	2805.83	2805.83	1008.88	13.59	598138.68	469546.04	32°38'39.6472" N	-104°25'56.1782" W	0.16	1008.95	1008.97	0.77	1.60
3680.00	89.50	1.00	2806.23	2806.23	1072.87	14.65	598202.67	469547.10	32°38'40.2804" N	-104°25'56.1664" W	-0.47	1072.94	1072.97	0.78	0.49
3744.00	90.80	0.60	2806.06	2806.06	1136.86	15.54	598266.66	469547.99	32°38'40.9137" N	-104°25'56.1567" W	2.03	1136.94	1136.96	0.78	2.13
3807.00	90.60	0.10	2805.29	2805.29	1199.85	15.93	598329.66	469548.38	32°38'41.5370" N	-104°25'56.1529" W	-0.32	1199.94	1199.96	0.76	0.85
3870.00	90.30	0.00	2804.79	2804.79	1262.85	15.98	598392.65	469548.43	32°38'42.1605" N	-104°25'56.1529" W	-0.48	1262.93	1262.95	0.73	0.50
3933.00	90.30	359.10	2804.46	2804.46	1325.85	15.49	598455.65	469547.94	32°38'42.7838" N	-104°25'56.1594" W	0.00	1325.92	1325.94	0.67	1.43
3996.00	89.70	358.10	2804.46	2804.46	1388.83	13.95	598518.63	469546.40	32°38'43.4071" N	-104°25'56.1781" W	-0.95	1388.89	1388.90	0.58	1.85
4060.00	91.20	359.20	2803.96	2803.96	1452.80	12.44	598582.61	469544.89	32°38'44.0401" N	-104°25'56.1964" W	2.34	1452.86	1452.86	0.49	2.91
4124.00	91.30	358.90	2802.56	2802.56	1516.78	11.38	598646.58	469543.83	32°38'44.6732" N	-104°25'56.2095" W	0.16	1516.82	1516.82	0.43	0.49
4187.00	91.10	358.70	2801.24	2801.24	1579.75	10.06	598709.56	469542.51	32°38'45.2964" N	-104°25'56.2256" W	-0.32	1579.78	1579.78	0.36	0.45
4250.00	90.90	1.00	2800.15	2800.15	1642.74	9.90	598772.54	469542.35	32°38'45.9197" N	-104°25'56.2282" W	-0.32	1642.77	1642.77	0.35	3.66
4312.00	90.80	0.90	2799.23	2799.23	1704.72	10.92	598834.53	469543.37	32°38'46.5330" N	-104°25'56.2169" W	-0.16	1704.76	1704.76	0.37	0.23
4372.00	90.40	0.70	2798.60	2798.60	1764.71	11.76	598894.52	469544.21	32°38'47.1267" N	-104°25'56.2078" W	-0.67	1764.75	1764.75	0.38	0.75
4432.00	90.20	0.00	2798.28	2798.28	1824.71	12.13	598954.51	469544.58	32°38'47.7204" N	-104°25'56.2041" W	-0.33	1824.75	1824.75	0.38	1.21
4492.00	89.90	359.80	2798.23	2798.23	1884.71	12.02	599014.51	469544.47	32°38'48.3142" N	-104°25'56.2060" W	-0.50	1884.75	1884.75	0.37	0.60
4553.00	89.40	359.20	2798.60	2798.60	1945.71	11.49	599075.51	469543.94	32°38'48.9178" N	-104°25'56.2129" W	-0.82	1945.74	1945.74	0.34	1.28
4613.00	89.60	1.30	2799.13	2799.13	2005.70	11.75	599135.50	469544.20	32°38'49.5114" N	-104°25'56.2105" W	0.33	2005.73	2005.74	0.34	3.52
4675.00	89.20	1.60	2799.78	2799.78	2067.68	13.32	599197.48	469545.77	32°38'50.1248" N	-104°25'56.1928" W	-0.65	2067.72	2067.72	0.37	0.81
4735.00	90.20	2.20	2800.09	2800.09	2127.64	15.31	599257.45	469547.76	32°38'50.7182" N	-104°25'56.1702" W	1.67	2127.70	2127.70	0.41	1.94
4797.00	90.30	2.80	2799.82	2799.82	2189.58	18.01	599319.39	469550.46	32°38'51.3311" N	-104°25'56.1392" W	0.16	2189.66	2189.66	0.47	0.98
4857.00	89.80	2.80	2799.77	2799.77	2249.51	20.95	599379.31	469553.40	32°38'51.9242" N	-104°25'56.1056" W	-0.83	2249.60	2249.61	0.53	0.83
4917.00	89.50	3.00	2800.13	2800.13	2309.43	23.98	599439.24	469556.43	32°38'52.5172" N	-104°25'56.0708" W	-0.50	2309.55	2309.56	0.59	0.60
4979.00	91.30	2.00	2799.70	2799.70	2371.37	26.69	599501.17	469559.14	32°38'53.1301" N	-104°25'56.0398" W	2.90	2371.50	2371.52	0.64	3.32
5042.00	91.50	1.10	2798.16	2798.16	2434.33	28.39	599564.13	469560.84	32°38'53.7531" N	-104°25'56.0206" W	0.32	2434.47	2434.49	0.67	1.46
5106.00	91.20	1.50	2796.65	2796.65	2498.29	29.84	599628.10	469562.29	32°38'54.3861" N	-104°25'56.0043" W	-0.47	2498.44	2498.47	0.68	0.78
5170.00	90.50	0.70	2795.70	2795.70	2562.27	31.07	599692.08	469563.52	32°38'55.0193" N	-104°25'55.9906" W	-1.09	2562.43	2562.46	0.69	1.66
5233.00	90.50	1.20	2795.15	2795.15	2625.26	32.11	599755.06	469564.56	32°38'55.6426" N	-104°25'55.9791" W	0.00	2625.43	2625.46	0.70	0.79
5296.00	90.60	359.40	2794.55	2794.55	2688.25	32.44	599818.06	469564.89	32°38'56.2660" N	-104°25'55.9759" W	0.16	2688.42	2688.45	0.69	2.86
5359.00	90.20	359.50	2794.11	2794.11	2751.25	31.84	599881.05	469564.29	32°38'56.8893" N	-104°25'55.9837" W	-0.63	2751.41	2751.43	0.66	0.65

Measured Depth (Ft)	INC Deg	AZM Deg	Subsea TVD (Ft)	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				
5423.00	89 90	358.30	2794.05	2794.05	2815.24	30.61	599945.04	469563.06	32°38'57.5225" N	-104°25'55.9987" W	-0.47	2815.39	2815.40	0.62	1.93				
5486.00	89.70	358.30	2794.27	2794.27	2878.21	28.74	600008.01	469561.19	32°38'58.1457" N	-104°25'56.0213" W	-0.32	2878.34	2878.35	0.57	0.32				
5550.00	89.60	358.80	2794.67	2794.67	2942.19	27.12	600071.99	469559.57	32°38'58.7788" N	-104°25'56.0409" W	-0.16	2942.31	2942.31	0.53	0.80				
5613.00	89.30	359.00	2795.27	2795.27	3005.17	25.91	600134.98	469558.36	32°38'59.4020" N	-104°25'56.0558" W	-0.48	3005.28	3005.28	0.49	0.57				
5677.00	90 00	359.20	2795.66	2795.66	3069.16	24.91	600198.97	469557.36	32°39'0.0353" N	-104°25'56.0682" W	1.09	3069.26	3069.26	0.46	1.14				
5741.00	89.80	359.80	2795.77	2795.77	3133.16	24.35	600262.96	469556.80	32°39'0.6685" N	-104°25'56.0754" W	-0.31	3133.25	3133.25	0.45	0.99				
5804.00	90 80	0.60	2795.44	2795.44	3196.16	24.57	600325.96	469557.02	32°39'1.2919" N	-104°25'56.0736" W	1.59	3196.25	3196.25	0.44	2.03				
5867.00	90 70	0.90	2794.62	2794.62	3259.15	25.39	600388.95	469557.84	32°39'1.9153" N	-104°25'56.0646" W	-0.16	3259.25	3259.25	0.45	0.50				
5930.00	90.50	0.20	2793.96	2793.96	3322.14	26.00	600451.94	469558.45	32°39'2.5386" N	-104°25'56.0582" W	-0.32	3322.24	3322.24	0.45	1.16				
5994.00	90 20	0.50	2793.57	2793.57	3386.14	26.39	600515.94	469558.84	32°39'3.1719" N	-104°25'56.0543" W	-0.47	3386.24	3386.24	0.45	0.66				
6057.00	90 10	359.80	2793.40	2793.40	3449.14	26.55	600578.94	469559.00	32°39'3.7954" N	-104°25'56.0531" W	-0.16	3449.24	3449.24	0.44	1.12				
6121.00	89.80	359.30	2793.46	2793.46	3513.13	26.05	600642.94	469558.50	32°39'4.4287" N	-104°25'56.0597" W	-0.47	3513.23	3513.23	0.42	0.91				
6185.00	90 70	1.00	2793.18	2793.18	3577.13	26.22	600706.93	469558.67	32°39'5.0620" N	-104°25'56.0584" W	1.41	3577.23	3577.23	0.42	3.01				
6249.00	90.50	0.60	2792.51	2792.51	3641.12	27.11	600770.92	469559.56	32°39'5.6952" N	-104°25'56.0487" W	-0.31	3641.22	3641.22	0.43	0.70				
6312.00	90 10	0.50	2792.18	2792.18	3704.12	27.72	600833.92	469560.17	32°39'6.3186" N	-104°25'56.0423" W	-0.63	3704.22	3704.22	0.43	0.65				
6376.00	89.80	0.60	2792.23	2792.23	3768.11	28.33	600897.92	469560.78	32°39'6.9519" N	-104°25'56.0358" W	-0.47	3768.22	3768.22	0.43	0.49				
6450.00	91.10	0.80	2791.65	2791.65	3842.10	29.23	600971.91	469561.68	32°39'7.6841" N	-104°25'56.0260" W	1.76	3842.22	3842.22	0.44	1.78				
BHL: 6495 MD, 91.10°																			
6495.00	91 10	0.80	2790.79	2790.79	3887.09	29.86	601016.89	469562.31	32°39'8.1293" N	-104°25'56.0192" W	0.00	3887.21	3887.21	0.44	0.00				
MAGNETICS INFORMATION																			
Magnetic Model: C:\HawkEye\IGRF2010 MIF Date for Magnetics: 05/29/2012 Latitude: 32°38'29.6635" N Longitude: -104°25'56.3261" W Magnetic Declination: 7.90 Total Correction(Mag to Grid): 7.95								Field Strength (nt): 48701 B-X Component (nt): 23832 B-Y Component (nt): 3307 B-Z Component (nt): 42343 B-Horz Component (nt): 24060 Dip Angle: 60.39											
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		469561.00		601029.62		2789.00		3899.82		28.55		100.00		200.00		100.00	
LP		CYLINDER		469535.96		597609.79		2809.00		479.99		3.51		100.00		100.00		100.00	

Operating Company Mewbourne
 Well Name & Number WYATT DRAW 24-1A # 1H
 Sales Ticket Number 4707060
 Date 8/27/2012

Company Rep Russel Berryman
 Field
 BOT Service Rep John Davis
 District Location Odessa, Texas, USA



	Size	Weight	Grade	ID	Drift	Thread	Capacity	Length	Burst	Collapse
Casing	7.000	26.00	J-55	6.276	6.151		0.03826	3,200.00	9,960	6,230
Top Liner	4.500	11.60	J-55	4.000	3.795	LT&C	0.01492	3,575.94	12,410	10,680
Bott Liner										
TVD		2,792.00	KOP		2,174.00	Open Hole		6.125	Casing Vol. (bbl)	111.1
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	2904.06							

Zone Length										
16		JR Sleeve_S3 Hyd Set Packer	2904.06	8 59	5.813	3.875				
		4-1/2-13 5 LTC Nipple	2912.65	5.07	5 000	4 000				
		8 Joints of 4-1/2-11 60 J-55 Casing	2917.72	336.53	5.000	4.000				
	16	3.375 Frac Sleeve	3254.25	3 90	5.750		3 275	1624	226	111
		2 Joints of 4-1/2-11.60 J-55 Casing	3258.15	85.32	5.000	4.000				
15		L-80 Open Hole Packer	3343.47	3.89	5 820	3.875		2154		
		3 Joints of 4-1/2-11.60 J-55 Casing	3347.36	120.35	5.000	4.000				
	15	3.250 Frac Sleeve	3467.71	3.90	5.750		3 150	1624	209	111
		2 Joints of 4-1/2-11.60 J-55 Casing	3471.61	85.00	5 000	4 000				
		L-80 Open Hole Packer	3556.61	3.89	5.820	3.875		2154		
14		3 Joints of 4-1/2-11.60 J-55 Casing	3560.50	127.12	5.000	4.000				
	14	3.125 Frac Sleeve	3687.62	3.90	5.750		3.025	1624	192	111
		2 Joints of 4-1/2-11.60 J-55 Casing	3691.52	85.27	5.000	4.000				
		L-80 Open Hole Packer	3776.79	3.89	5.820	3.875		2154		
		3 Joints of 4-1/2-11.60 J-55 Casing	3780.68	121 77	5.000	4 000				
13	13	3.000 Frac sleeve	3902.45	3.90	5.750		2 900	1624	177	111
		2 Joints of 4-1/2-11 60 J-55 Casing	3906.35	84.78	5.000	4.000				
		L-80 Open Hole Packer	3991.13	3.89	5.820	3.875		2154		
		3 Joints of 4-1/2-11 60 J-55 Casing	3995.02	126.69	5.000	4 000				
	12	2.875 Frac Sleeve	4121.71	3 90	5.750		2 775	1624	162	111
12		2 Joints of 4-1/2-11 60 J-55 Casing	4125.61	84 40	5.000	4 000				
		L-80 Open Hole Packer	4210 01	3 89	5.820	3.875		2154		

Operating Company Mewbourne
 Well Name & Number WYATT DRAW 24-1A # 1H
 Sales Ticket Number 4707060
 Date 8/27/2012

Company Rep Russel Berryman
 Field
 BOT Service Rep John Davis
 District Location Odessa, Texas, USA



	Size	Weight	Grade	ID	Drift	Thread	Capacity	Length	Burst	Collapse		
Casing	7.000	26.00	J-55	6.276	6.151		0.03826	3,200.00	9,960	6,230		
Top Liner	4.500	11.60	J-55	4.000	3.795	LT&C	0.01492	3,575.94	12,410	10,680		
Bott Liner												
TVD		2,792.00		KOP		2,174.00		Open Hole		6.125	Casing Vol. (bbl)	111.1
Carry Fluid Weight (ppg)			8.4		Propan Content (ppa)				Max Drill Out Size		0	

	Comm. Number	Description	Depth	Length	OD	ID	Ball Seat ID	Shear Press.	Max Rate (BPM)	Displ. (BBL)
11		2 Joints of 4-1/2-11.60 J-55 Casing	4213.90	85.42	5.000	4.000				
	11	2.750 Frac Sleeve	4299.32	3.90	5.750		2.650	1624	148	111
		3 Joints of 4-1/2-11.60 J-55 Casing	4303.22	127.55	5.000	4.000				
10		L-80 Open Hole Packer	4430.77	3.89	5.820	3.875		2154		
		2 Joints of 4-1/2-11.60 J-55 Casing	4434.66	84.57	5.000	4.000				
	10	2.625 Frac Sleeve	4519.23	3.90	5.750		2.525	1624	134	111
9		3 Joints of 4-1/2-11.60 J-55 Casing	4523.13	123.62	5.000	4.000				
		L-80 Open Hole Packer	4646.75	3.89	5.820	3.875		2154		
		2 Joints of 4-1/2-11.60 J-55 Casing	4650.64	85.51	5.000	4.000				
8	9	2.500 Frac Sleeve	4736.15	3.90	5.750		2.400	1624	121	111
		3 Joints of 4-1/2-11.60 J-55 Casing	4740.05	127.72	5.000	4.000				
		L-80 Open Hole Packer	4867.77	3.89	5.820	3.875		2154		
7		2 Joints of 4-1/2-11.60 J-55 Casing	4871.66	84.60	5.000	4.000				
	8	2.375 Frac Sleeve	4956.26	3.90	5.750		2.275	1624	109	111
		3 Joints of 4-1/2-11.60 J-55 Casing	4960.16	126.85	5.000	4.000				
6		L-80 Open Hole Packer	5087.01	3.89	5.820	3.875		2154		
		2 Joints of 4-1/2-11.60 J-55 Casing	5090.90	84.97	5.000	4.000				
	7	2.250 Frac Sleeve	5175.87	3.90	5.750		2.150	1624	97	111
5		3 Joints of 4-1/2-11.60 J-55 Casing	5179.77	127.66	5.000	4.000				
		L-80 Open Hole Packer	5307.43	3.89	5.820	3.875		2154		
		2 Joints of 4-1/2-11.60 J-55 Casing	5311.32	85.36	5.000	4.000				
5	6	2.125 Frac Sleeve	5396.63	3.90	5.750		2.025	1624	86	111
		3 Joints of 4-1/2-11.60 J-55 Casing	5400.58	126.98	5.000	4.000				
		L-80 Open Hole Packer	5527.56	3.89	5.820	3.875		2154		
5		2 Joints of 4-1/2-11.60 J-55 Casing	5531.45	84.95	5.000	4.000				
	5	2.000 Frac Sleeve	5616.40	3.90	5.750		1.900	1624	76	111

Company Rep	Russel Berryman
Field	
BOT Service Rep	John Davis
District Location	Odessa, Texas, USA

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