

30-015-39057



Job Number: SVCO-111219
 Company: Mewbourne Oil & Gas
 Lease/Well: Wyatt Draw 24 JB 1H
 Location: Eddy County, NM
 Rig Name: Patterson #101
 RKB: 19'
 G.L. or M.S.L.: GL

State/Country: New Mexico/USA
 Declination: 8.04°
 Grid: East To Grid
 File name: F:\SURVEY\2011SU-1\MEWBOU-1\WYAT241H.SVY
 Date/Time: 10-Oct-11 / 12:28
 Curve Name: Surface - 2090' M.D. (Gyroscopic)

WINSERVE SURVEY CALCULATIONS
 Minimum Curvature Method
 Vertical Section Plane .77
 Vertical Section Referenced to Wellhead
 Rectangular Coordinates Referenced to Wellhead

We hereby certify that our survey data from
 Surface MD to 2,090' MD is, to the best of
 our knowledge a true and accurate account of the
 well bore.
 Dana Justice 10/12/11
 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	.25	303.02	100.00	.12	-.18	.12	.22	303.02	.25
200.00	.50	36.02	200.00	.59	-.11	.59	.60	349.52	.57
300.00	.75	70.02	299.99	1.17	.76	1.18	1.39	33.15	.44
400.00	1.00	66.01	399.98	1.75	2.17	1.77	2.79	51.25	.26
500.00	1.25	84.01	499.96	2.21	4.06	2.27	4.62	61.37	.43
600.00	1.00	97.01	599.94	2.22	6.01	2.30	6.41	69.71	.36
700.00	.75	54.00	699.93	2.50	7.40	2.60	7.81	71.34	.68
800.00	.50	93.00	799.93	2.86	8.37	2.97	8.84	71.12	.48
900.00	1.00	72.99	899.92	3.09	9.64	3.22	10.12	72.20	.56

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	.50	88.99	999.91	3.36	10.91	3.50	11.41	72.90	.54
1100.00	.25	88.99	1099.91	3.37	11.56	3.52	12.04	73.76	.25
1200.00	.75	78.98	1199.90	3.50	12.42	3.66	12.91	74.28	.51
1300.00	.75	95.96	1299.89	3.55	13.72	3.74	14.17	75.47	.22
1400.00	.75	100.96	1399.89	3.36	15.01	3.56	15.38	77.37	.07
1500.00	.75	81.96	1499.88	3.33	16.30	3.55	16.64	78.46	.25
1600.00	.25	99.95	1599.87	3.38	17.16	3.61	17.49	78.85	.52
1700.00	.50	57.95	1699.87	3.58	17.75	3.82	18.11	78.61	.36
1800.00	.50	15.94	1799.87	4.23	18.24	4.47	18.72	76.95	.36
1900.00	.25	50.94	1899.87	4.79	18.53	5.03	19.14	75.52	.33
2000.00	.25	3.94	1999.86	5.14	18.71	5.39	19.41	74.64	.20
Last Survey Depth Recorded									
2090.00	.50	309.88	2089.86	5.59	18.42	5.84	19.25	73.13	.45