

THORNTON OPERATING CO.
 MCCLELLAN FEDERAL NO. 1, slot #1
 non designated, CHAVES COUNTY, NEW MEXICO

Your ref : gyro
 Last revised : 18-Feb-98

Measured Depth	Inclin. Degrees	Azimuth Degrees	True Vert Depth	R E C T A N G U L A R C O O R D I N A T E S	Dogleg Deg/100ft	Vert Sect
7500.00	0.26	193.15	7499.01	21.97 S	0.29	-47.56
7600.00	0.22	209.93	7599.01	22.35 S	0.08	-47.75
7700.00	0.71	267.77	7699.01	22.54 S	0.62	-47.41
7800.00	0.65	280.34	7799.00	22.47 S	0.16	-46.56
7900.00	0.40	303.75	7899.00	22.17 S	0.32	-45.77
8000.00	0.35	325.18	7998.99	21.73 S	0.15	-45.13
8100.00	0.49	359.36	8098.99	21.05 S	0.28	-44.51
8200.00	0.49	5.29	8198.99	20.19 S	0.05	-43.90
8300.00	0.30	37.79	8298.98	19.56 S	0.29	-43.57
8400.00	0.18	359.36	8398.98	19.20 S	0.19	-43.40
8500.00	0.33	20.78	8498.98	18.77 S	0.18	-43.15
8600.00	0.55	357.63	8598.98	18.02 S	0.28	-42.66
8700.00	0.89	348.31	8698.97	16.78 S	0.36	-41.62
8800.00	1.07	356.93	8798.96	15.09 S	0.23	-40.22
8900.00	0.97	337.95	8898.94	13.37 S	0.35	-38.71
9000.00	0.97	319.64	8998.93	11.94 S	0.31	-37.06
9100.00	1.39	300.20	9098.91	10.69 S	0.57	-35.06
9200.00	1.26	291.26	9198.88	9.68 S	0.24	-32.92
9300.00	1.44	296.52	9298.85	8.72 S	0.22	-30.77
9400.00	1.30	292.50	9398.82	7.72 S	0.17	-28.57
9500.00	1.61	299.93	9498.79	6.59 S	0.36	-26.21
9565.00	1.94	307.32	9563.76	5.47 S	0.62	-24.26

All data is in feet unless otherwise stated.

Coordinates from slot #1 and TVD from rotary table.

Bottom hole distance is 30.58 on azimuth 100.30 degrees from wellhead.

Vertical section is from N 0.00 E 0.00 on azimuth 317.80 degrees.

Calculation uses the minimum curvature method.

Presented by Baker Hughes INTEQ