

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

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
0.00	0.00	0.00	0.00	0.00 N	0.00 E	0.00
100.00	0.37	215.64	100.00	0.26 S	0.19 W	-0.07
200.00	0.37	205.07	200.00	0.82 S	0.51 W	-0.26
300.00	0.30	204.51	300.00	1.35 S	0.76 W	-0.49
400.00	0.15	183.34	399.99	1.72 S	0.87 W	-0.68
500.00	0.13	177.78	499.99	1.96 S	0.88 W	-0.86
600.00	0.17	167.28	599.99	2.22 S	0.84 W	-1.08
700.00	0.14	190.67	699.99	2.48 S	0.83 W	-1.28
800.00	0.20	90.19	799.99	2.60 S	0.68 W	-1.47
900.00	0.29	92.77	899.99	2.62 S	0.25 W	-1.77
1000.00	0.37	42.64	999.99	2.39 S	0.22 E	-1.92
1100.00	0.82	15.74	1099.99	1.47 S	0.63 E	-1.51
1200.00	0.88	17.63	1199.97	0.05 S	1.06 E	-0.74
1300.00	1.09	28.65	1299.96	1.52 N	1.75 E	-0.05
1400.00	1.17	31.27	1399.94	3.23 N	2.73 E	0.56
1500.00	1.18	32.16	1499.92	4.97 N	3.81 E	1.12
1600.00	1.18	51.27	1599.90	6.49 N	5.16 E	1.34
1700.00	1.30	64.01	1699.88	7.63 N	6.99 E	0.96
1800.00	1.25	73.63	1799.85	8.43 N	9.05 E	0.17
1900.00	0.91	108.72	1899.83	8.49 N	10.85 E	-1.00
2000.00	0.88	118.78	1999.82	7.86 N	12.28 E	-2.42
2100.00	0.89	132.97	2099.81	6.96 N	13.52 E	-3.92
2200.00	0.94	137.68	2199.80	5.83 N	14.64 E	-5.52
2300.00	0.78	145.22	2299.79	4.66 N	15.58 E	-7.01
2400.00	0.46	131.36	2399.78	3.84 N	16.27 E	-8.08

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