

A Gyrodata Directional Survey

POGO PRODUCERS

Well: W.B. FEDERAL NO. 5

Location: TMBR/SHARP #23, EDDY COUNTY, NEW MEXICO

Job Number: MD0101GMW106

MEASURED DEPTH feet	IN C L deg.	AZIMUTH deg.	BORE HOLE BEARING deg. min.	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
4500.0	1.89	49.04	N 49 3 E	0.56	4497.4	112.7 44.1	80.96 N 78.36 E
4600.0	1.58	62.27	N 62 16 E	0.50	4597.4	115.6 44.3	82.68 N 80.82 E
4700.0	1.32	66.89	N 66 53 E	0.28	4697.3	118.0 44.8	83.77 N 83.10 E
4800.0	1.07	71.51	N 71 31 E	0.27	4797.3	119.9 45.2	84.52 N 85.05 E
4900.0	0.85	83.55	N 83 33 E	0.30	4897.3	121.3 45.6	84.90 N 86.67 E
5000.0	0.63	95.58	S 84 25 E	0.27	4997.3	122.3 46.0	84.93 N 87.95 E
5100.0	0.47	133.81	S 46 11 E	0.39	5097.3	122.6 46.4	84.60 N 88.79 E
5200.0	0.31	172.04	S 7 58 E	0.30	5197.3	122.5 46.7	84.05 N 89.12 E
5300.0	0.43	166.62	S 13 23 E	0.13	5297.3	122.2 46.9	83.41 N 89.25 E
5400.0	0.56	161.20	S 18 48 E	0.13	5397.3	121.8 47.3	82.58 N 89.49 E
5500.0	0.58	164.03	S 15 58 E	0.04	5497.3	121.4 47.7	81.64 N 89.79 E
5600.0	0.60	166.85	S 13 9 E	0.04	5597.3	120.9 48.2	80.64 N 90.05 E
5700.0	0.58	168.82	S 11 11 E	0.03	5697.3	120.4 48.6	79.64 N 90.26 E
5800.0	0.55	170.78	S 9 13 E	0.03	5797.3	119.9 49.0	78.67 N 90.44 E
5900.0	0.53	193.64	S 13 39 W	0.22	5897.3	119.2 49.3	77.75 N 90.40 E
6000.0	0.52	216.50	S 36 30 W	0.21	5997.3	118.4 49.5	76.93 N 90.03 E
6100.0	0.32	252.42	S 72 25 W	0.32	6097.3	117.7 49.5	76.49 N 89.49 E
6200.0	0.13	288.34	N 71 40 W	0.23	6197.3	117.4 49.4	76.44 N 89.11 E
6300.0	0.21	260.05	S 80 3 W	0.11	6297.3	117.2 49.3	76.44 N 88.82 E
6400.0	0.29	231.77	S 51 46 W	0.14	6397.3	116.8 49.2	76.26 N 88.45 E
6500.0	0.30	229.62	S 49 37 W	0.02	6497.3	116.3 49.2	75.93 N 88.05 E
6600.0	0.31	227.48	S 47 29 W	0.02	6597.3	115.7 49.2	75.58 N 87.66 E
6700.0	0.42	187.51	S 7 31 W	0.27	6697.3	115.2 49.4	75.04 N 87.41 E
6800.0	0.52	147.55	S 32 27 E	0.34	6797.2	114.9 49.7	74.30 N 87.61 E