

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	I N C L deg.	A Z I M U T H deg.	B O R E H O L E B E A R I N G deg. min.	D O G L E G S E V E R I T Y deg./ 100 ft.	V E R T I C A L D E P T H feet	C L O S U R E D I S T. A Z I M U T H feet deg.	H O R I Z O N T A L C O O R D I N A T E S feet
11700.0	2.00	190.47	S 10 28 W	0.46	11695.5	48.2 115.2	20.50 S 43.61 E
11800.0	2.42	183.75	S 3 45 W	0.49	11795.4	49.5 119.4	24.32 S 43.15 E
11900.0	2.94	177.29	S 2 43 E	0.61	11895.3	52.0 123.9	28.98 S 43.13 E
12000.0	3.47	170.83	S 9 10 E	0.64	11995.1	55.7 128.3	34.54 S 43.74 E
12100.0	2.60	185.60	S 5 36 W	1.17	12095.0	59.3 132.1	39.78 S 44.00 E
12200.0	1.72	200.37	S 20 22 W	1.03	12194.9	61.3 135.1	43.45 S 43.25 E
12300.0	1.89	238.88	S 58 53 W	1.20	12294.9	61.6 137.9	45.71 S 41.32 E
12400.0	2.06	277.39	N 82 37 W	1.31	12394.8	60.0 140.5	46.33 S 38.13 E
12500.0	2.04	280.07	N 79 56 W	0.10	12494.8	57.4 142.9	45.79 S 34.59 E
12600.0	2.02	282.76	N 77 15 W	0.10	12594.7	54.8 145.4	45.09 S 31.12 E
12700.0	1.74	275.78	N 84 13 W	0.36	12694.6	52.6 147.9	44.55 S 27.89 E
12800.0	1.46	268.81	S 88 48 W	0.34	12794.6	51.0 150.5	44.42 S 25.11 E
12900.0	1.37	257.89	S 77 54 W	0.28	12894.6	50.1 153.1	44.70 S 22.67 E
13000.0	1.29	246.98	S 66 59 W	0.27	12994.5	49.8 155.7	45.39 S 20.46 E

Final Station Closure: Distance: 49.79 ft Az: 155.73 deg.