

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
2100.0	0.96	71.30	N 71 18 E	0.45	2100.0	8.4 23.0	7.76 N 3.30 E
2200.0	1.41	72.78	N 72 47 E	0.45	2199.9	9.9 32.1	8.40 N 5.28 E
2300.0	1.60	69.41	N 69 24 E	0.21	2299.9	12.1 40.0	9.25 N 7.76 E
2400.0	1.79	66.03	N 66 2 E	0.21	2399.9	14.8 45.3	10.38 N 10.50 E
2500.0	2.09	61.17	N 61 10 E	0.34	2499.8	18.0 48.7	11.89 N 13.52 E
2600.0	2.39	56.31	N 56 18 E	0.35	2599.7	21.9 50.4	13.93 N 16.85 E
2700.0	2.64	52.28	N 52 17 E	0.30	2699.6	26.2 51.1	16.49 N 20.40 E
2800.0	2.88	48.25	N 48 15 E	0.32	2799.5	31.0 50.9	19.57 N 24.10 E
2900.0	2.86	47.27	N 47 16 E	0.06	2899.4	36.0 50.5	22.94 N 27.81 E
3000.0	2.84	46.28	N 46 17 E	0.05	2999.3	41.0 50.0	26.34 N 31.43 E
3100.0	2.81	45.12	N 45 7 E	0.06	3099.1	45.9 49.6	29.78 N 34.95 E
3200.0	2.78	43.96	N 43 58 E	0.06	3199.0	50.8 49.1	33.25 N 38.37 E
3300.0	3.02	44.17	N 44 10 E	0.24	3298.9	55.8 48.6	36.89 N 41.89 E
3400.0	3.26	44.38	N 44 23 E	0.24	3398.7	61.3 48.2	40.81 N 45.71 E
3500.0	3.53	48.29	N 48 17 E	0.35	3498.6	67.2 48.1	44.89 N 50.00 E
3600.0	3.80	52.19	N 52 12 E	0.37	3598.4	73.6 48.3	48.96 N 54.91 E
3700.0	3.30	49.62	N 49 37 E	0.52	3698.2	79.7 48.5	52.86 N 59.71 E
3800.0	2.80	47.04	N 47 2 E	0.52	3798.0	85.1 48.5	56.38 N 63.69 E
3900.0	2.63	36.38	N 36 23 E	0.53	3897.9	89.7 48.1	59.89 N 66.83 E
4000.0	2.46	25.72	N 25 43 E	0.50	3997.8	94.0 47.4	63.66 N 69.12 E
4100.0	2.39	22.69	N 22 41 E	0.14	4097.7	97.9 46.4	67.52 N 70.86 E
4200.0	2.33	19.66	N 19 39 E	0.14	4197.6	101.6 45.4	71.36 N 72.34 E
4300.0	2.26	27.74	N 27 44 E	0.33	4297.6	105.3 44.6	75.02 N 73.95 E
4400.0	2.20	35.82	N 35 49 E	0.32	4397.5	109.1 44.1	78.33 N 75.99 E