

A Gyrodata Directional Survey

Yates Petroleum
Well: ARREGUY NO. 1, 2-7/8" DRILLPIPE
Location: PATTERSON #49, LEA COUNTY, NEW MEXICO
Job Number: MD0800GMW223

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
4200.0	0.19	115.21	S 64 48 E	0.08	4199.3	57.5 52.3	35.16 N 45.45 E
4400.0	0.23	188.91	S 8 54 W	0.13	4399.3	57.3 52.8	34.62 N 45.69 E
4600.0	0.12	174.25	S 5 45 E	0.06	4599.3	56.9 53.3	34.02 N 45.65 E
4800.0	0.03	145.93	S 34 4 E	0.05	4799.3	56.8 53.5	33.77 N 45.70 E
5000.0	0.15	32.68	N 32 41 E	0.08	4999.3	57.1 53.5	33.95 N 45.88 E
5200.0	0.24	267.09	S 87 6 W	0.18	5199.3	57.0 53.2	34.15 N 45.60 E
5400.0	0.47	236.21	S 56 12 W	0.15	5399.3	55.8 52.9	33.67 N 44.50 E
5600.0	0.19	186.70	S 6 42 W	0.19	5599.3	54.8 53.1	32.89 N 43.78 E
5800.0	0.08	181.04	S 1 3 W	0.05	5799.3	54.4 53.5	32.42 N 43.74 E
6000.0	0.23	225.78	S 45 47 W	0.09	5999.3	54.0 53.6	31.99 N 43.45 E
6200.0	0.26	216.52	S 36 31 W	0.03	6199.3	53.1 53.8	31.34 N 42.88 E
6400.0	0.21	298.13	N 61 52 W	0.16	6399.3	52.5 53.6	31.14 N 42.28 E
6600.0	0.14	312.25	N 47 45 W	0.04	6599.3	52.3 53.0	31.48 N 41.78 E
6800.0	0.14	7.59	N 7 35 E	0.06	6799.3	52.4 52.6	31.89 N 41.63 E
7000.0	0.15	25.17	N 25 10 E	0.02	6999.3	52.8 52.2	32.37 N 41.77 E
7200.0	0.08	27.53	N 27 32 E	0.04	7199.3	53.2 52.0	32.72 N 41.95 E
7400.0	0.24	230.45	S 50 27 W	0.16	7399.3	52.9 52.0	32.57 N 41.68 E
7600.0	0.38	216.88	S 36 53 W	0.08	7599.3	51.8 52.2	31.77 N 40.96 E
7800.0	0.54	222.90	S 42 54 W	0.08	7799.3	50.3 52.6	30.56 N 39.92 E
8000.0	0.42	197.58	S 17 35 W	0.12	7999.3	48.8 53.3	29.17 N 39.07 E
8200.0	0.75	127.20	S 52 48 E	0.36	8199.3	48.5 55.3	27.67 N 39.89 E
8400.0	1.21	119.19	S 60 48 E	0.24	8399.3	50.0 58.9	25.84 N 42.78 E
8600.0	1.02	122.51	S 57 30 E	0.10	8599.2	51.9 62.7	23.85 N 46.14 E
8800.0	1.10	143.01	S 37 0 E	0.19	8799.2	53.3 66.4	21.36 N 48.79 E