

A Gyrodatta Directional Survey

Yates Petroleum
Well: KOALA AXZ STATE #1, 4-1/2" DRILLPIPE
Location: PATTERSON-UTI #504, LEA COUNTY, NEW MEXICO
Job Number: MD0801GMW305

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	0.40	206.82	S 26 49 W	0.04	4199.9	13.3 249.7	4.61 S 12.47 W
4400.0	0.55	242.33	S 62 20 W	0.16	4399.9	14.8 247.4	5.68 S 13.64 W
4600.0	0.69	235.34	S 55 20 W	0.08	4599.9	16.9 246.2	6.82 S 15.49 W
4800.0	0.58	242.17	S 62 10 W	0.07	4799.9	19.1 245.3	7.98 S 17.38 W
5000.0	0.75	247.46	S 67 27 W	0.09	4999.9	21.4 245.3	8.95 S 19.48 W
5200.0	0.81	244.34	S 64 21 W	0.03	5199.9	24.2 245.4	10.06 S 21.96 W
5400.0	0.82	236.89	S 56 54 W	0.05	5399.8	27.0 244.9	11.46 S 24.43 W
5600.0	0.88	236.58	S 56 35 W	0.03	5599.8	29.9 244.1	13.08 S 26.91 W
5800.0	0.87	249.16	S 69 10 W	0.10	5799.8	32.9 244.0	14.47 S 29.60 W
6000.0	0.92	265.78	S 85 47 W	0.13	5999.8	36.0 245.1	15.12 S 32.63 W
6200.0	0.86	267.71	S 87 42 W	0.03	6199.7	38.9 246.8	15.30 S 35.73 W
6400.0	0.69	269.62	S 89 37 W	0.09	6399.7	41.4 248.2	15.37 S 38.43 W
6600.0	0.86	261.72	S 81 43 W	0.10	6599.7	44.0 249.2	15.60 S 41.12 W
6800.0	0.90	254.19	S 74 11 W	0.06	6799.7	47.0 249.8	16.24 S 44.12 W
7000.0	0.83	253.45	S 73 27 W	0.04	6999.7	50.0 250.0	17.08 S 47.02 W
7200.0	0.85	264.21	S 84 13 W	0.08	7199.6	52.9 250.5	17.65 S 49.89 W
7400.0	1.01	263.94	S 83 57 W	0.08	7399.6	56.1 251.3	17.98 S 53.13 W
7600.0	0.98	263.66	S 83 39 W	0.02	7599.6	59.5 252.0	18.36 S 56.59 W
7800.0	1.08	259.71	S 79 43 W	0.06	7799.6	63.0 252.6	18.88 S 60.15 W
8000.0	1.10	256.09	S 76 5 W	0.04	7999.5	66.8 252.9	19.68 S 63.88 W
8200.0	0.48	286.17	N 73 50 W	0.36	8199.5	69.5 253.3	19.91 S 66.55 W
8400.0	0.52	294.66	N 65 21 W	0.04	8399.5	70.9 254.2	19.30 S 68.19 W
8600.0	0.55	273.95	N 86 3 W	0.10	8599.5	72.5 254.9	18.85 S 69.98 W
8800.0	0.83	269.67	S 89 40 W	0.14	8799.5	74.8 255.4	18.79 S 72.39 W