

A Gyrodata 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	INCL deg.	AZIMUTH deg.	BORE HOLE BEARING deg. min.	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
9000.0	1.00	269.88	S 89 53 W	0.09	8999.4	77.9 256.0	18.81 S 75.58 W
9200.0	1.10	258.41	S 78 25 W	0.11	9199.4	81.5 256.4	19.19 S 79.21 W
9400.0	1.32	258.82	S 78 49 W	0.11	9399.4	85.7 256.5	20.02 S 83.33 W
9600.0	1.27	254.62	S 74 37 W	0.05	9599.3	90.2 256.5	21.06 S 87.73 W
9800.0	1.46	255.85	S 75 51 W	0.09	9799.3	95.0 256.4	22.27 S 92.34 W
10000.0	1.90	244.76	S 64 45 W	0.27	9999.2	100.8 256.0	24.31 S 97.81 W
10200.0	2.21	245.81	S 65 49 W	0.16	10199.0	107.8 255.3	27.30 S 104.33 W
10400.0	2.60	254.96	S 74 58 W	0.27	10398.9	116.2 255.0	30.07 S 112.24 W
10600.0	2.72	258.26	S 78 15 W	0.10	10598.6	125.5 255.1	32.21 S 121.28 W
10800.0	2.86	256.05	S 76 3 W	0.09	10798.4	135.2 255.3	34.38 S 130.76 W
11000.0	3.38	266.74	S 86 44 W	0.39	10998.1	146.0 255.8	35.91 S 141.49 W
11100.0	3.44	268.18	S 88 11 W	0.10	11097.9	151.8 256.2	36.18 S 147.44 W
11200.0	3.96	266.17	S 86 10 W	0.54	11197.7	158.1 256.7	36.50 S 153.88 W
11300.0	4.01	268.59	S 88 35 W	0.18	11297.5	165.0 257.1	36.82 S 160.82 W
11400.0	3.73	267.38	S 87 23 W	0.29	11397.3	171.6 257.5	37.06 S 167.57 W
11500.0	3.45	270.57	N 89 26 W	0.34	11497.1	177.8 257.9	37.18 S 173.83 W
11600.0	3.57	266.75	S 86 45 W	0.26	11596.9	183.8 258.3	37.32 S 179.95 W
11700.0	4.18	266.90	S 86 54 W	0.62	11696.6	190.5 258.6	37.70 S 186.69 W
11800.0	4.46	266.45	S 86 27 W	0.27	11796.4	197.9 258.9	38.13 S 194.21 W
11900.0	4.88	259.47	S 79 28 W	0.71	11896.0	206.0 259.0	39.15 S 202.27 W
12000.0	5.05	260.14	S 80 9 W	0.18	11995.7	214.7 259.1	40.68 S 210.78 W
12100.0	4.07	259.16	S 79 10 W	0.98	12095.3	222.6 259.1	42.10 S 218.61 W
12200.0	3.99	246.27	S 66 16 W	0.91	12195.1	229.6 258.9	44.17 S 225.28 W
12300.0	3.70	237.78	S 57 47 W	0.64	12294.9	236.0 258.4	47.29 S 231.20 W