

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	IN C L deg.	AZIMUTH deg.	BORE HOLE BEARING deg. min.	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
12400.0	3.29	237.65	S 57 39 W	0.41	12394.7	241.7 257.9	50.55 S 236.35 W
12500.0	3.34	223.15	S 43 9 W	0.84	12494.5	246.8 257.3	54.21 S 240.77 W
12600.0	2.83	197.51	S 17 30 W	1.46	12594.4	250.5 256.4	58.69 S 243.51 W
12700.0	1.68	194.63	S 14 38 W	1.15	12694.3	252.5 255.7	62.46 S 244.62 W
12800.0	2.25	216.18	S 36 11 W	0.92	12794.2	254.7 255.1	65.47 S 246.15 W
12900.0	3.52	225.06	S 45 4 W	1.35	12894.1	258.9 254.5	69.22 S 249.48 W
13000.0	4.71	239.63	S 59 38 W	1.57	12993.9	265.6 253.9	73.46 S 255.19 W
13100.0	5.21	238.98	S 58 59 W	0.50	13093.5	273.9 253.5	77.88 S 262.63 W
13200.0	5.33	244.54	S 64 32 W	0.52	13193.1	282.9 253.1	82.21 S 270.71 W
13211.0	5.39	244.07	S 64 4 W	0.70	13204.0	283.9 253.1	82.66 S 271.64 W

Final Station Closure: Distance: 283.93 ft Az: 253.08 deg.