

A Gyrodata Directional Survey

Yates Petroleum

Well: ALAR AYL STATE #1, 4-1/2" DRILLPIPE

Location: PATTERSON #56, LEA COUNTY, NEW MEXICO

Job Number: MD0701GMW271

MEASURED DEPTH feet	INCL deg.	AZIMUTH deg.	VERTICAL SECTION feet	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
9000.0	2.24	107.75	-42.5	0.09	8998.7	44.1 263.1	5.34 S 43.82 W
9200.0	2.07	105.38	-35.1	0.10	9198.6	37.4 258.5	7.48 S 36.62 W
9400.0	2.02	101.52	-28.0	0.07	9398.5	31.1 252.9	9.15 S 29.68 W
9600.0	2.11	114.39	-20.9	0.24	9598.3	25.5 243.5	11.37 S 22.86 W
9800.0	2.27	268.80	-21.3	2.14	9798.3	26.8 241.0	12.98 S 23.46 W

Final Station Closure: Distance: 26.81 ft Az: 241.04 deg.

