

yrodata Directional Survey

KCS RESOURCES
Well: SHUGART WEST 24 FED G #2, 4-1/2" DRILLPIPE
Location: PATTERSON #55, EDDY COUNTY, NEW MEXICO
Job Number: MDO601GMW261

MEASURED DEPTH feet	I N C L deg.	AZIMUTH deg.	VERTICAL SECTION feet	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
0.0	0.00	0.00	0.0	0.00	0.0	0.0 0.0	0.00 N 0.00 E

0 - 3986 FT RATE GYROSCOPIC MULTISHOT SURVEY RUN INSIDE 4-1/2" DRILLPIPE							
ALL MEASUREMENTS AND COORDINATES REFERENCED TO PATTERSON #55 R.K.B.							

100.0	0.52	6.57	0.4	0.52	100.0	0.5 6.6	0.45 N 0.05 E
200.0	0.57	269.76	1.0	0.82	200.0	1.0 336.4	0.90 N 0.39 W
300.0	0.13	64.13	1.1	0.70	300.0	1.2 320.4	0.95 N 0.79 W
400.0	0.62	349.60	1.7	0.60	400.0	1.7 333.1	1.54 N 0.78 W
500.0	1.22	309.24	3.1	0.85	500.0	3.2 328.2	2.75 N 1.70 W
600.0	1.57	303.46	5.1	0.38	599.9	5.6 318.7	4.18 N 3.68 W
700.0	1.37	291.23	6.9	0.37	699.9	8.0 312.1	5.37 N 5.93 W
800.0	1.13	287.14	8.2	0.25	799.9	10.0 307.3	6.09 N 7.99 W
900.0	0.95	284.99	9.2	0.19	899.9	11.8 304.1	6.60 N 9.73 W
1000.0	1.07	273.37	10.0	0.24	999.9	13.4 300.9	6.86 N 11.46 W
1100.0	1.01	285.21	10.8	0.22	1099.8	15.0 298.4	7.15 N 13.24 W
1200.0	0.85	286.29	11.7	0.15	1199.8	16.6 297.1	7.59 N 14.80 W
1300.0	0.38	348.91	12.5	0.76	1299.8	17.6 297.6	8.13 N 15.58 W
1400.0	1.09	351.20	13.7	0.71	1399.8	18.4 300.8	9.40 N 15.79 W
1500.0	1.13	355.40	15.6	0.09	1499.8	19.6 305.3	11.33 N 16.02 W
1600.0	0.63	43.13	16.9	0.85	1599.8	20.2 309.0	12.71 N 15.72 W
1700.0	1.84	36.15	18.1	1.21	1699.8	20.4 315.0	14.41 N 14.40 W
1800.0	1.82	29.23	20.1	0.22	1799.7	21.3 323.4	17.09 N 12.68 W
1900.0	1.80	34.52	22.2	0.17	1899.7	22.6 330.9	19.76 N 11.01 W
2000.0	1.75	25.62	24.2	0.28	1999.6	24.3 337.1	22.43 N 9.46 W