

A Gyrodata Directional Survey

CONCHO RESOURCES

Well: SPRINGS 2 FEDERAL NO. 1

Location: PATTERSON #144, EDDY COUNTY, NEW MEXICO

Job Number: MD0700GME188

MEASURED DEPTH feet	I N C L deg.	A Z I M U T H deg.	V E R T I C A L S E C T I O N feet	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	0.91	3.09	-53.3	0.08	4199.2	68.8 294.9	29.01 N 62.39 W
4400.0	1.15	352.46	-56.6	0.15	4399.2	70.5 297.5	32.59 N 62.57 W
4600.0	1.33	356.73	-60.7	0.10	4599.1	73.0 300.4	36.90 N 62.96 W
4800.0	1.35	356.49	-65.0	0.01	4799.1	75.7 303.3	41.56 N 63.24 W
5000.0	1.47	1.18	-69.5	0.08	4999.0	78.6 306.3	46.48 N 63.33 W
5200.0	1.04	358.50	-73.4	0.22	5199.0	81.2 308.8	50.85 N 63.32 W
5400.0	0.74	342.90	-76.3	0.19	5398.9	83.5 310.2	53.90 N 63.75 W
5600.0	0.37	280.95	-78.0	0.33	5598.9	85.1 310.5	55.25 N 64.76 W
5700.0	0.20	321.13	-78.3	0.25	5698.9	85.6 310.4	55.45 N 65.18 W
5800.0	0.24	30.61	-78.6	0.26	5798.9	85.8 310.5	55.77 N 65.18 W
5900.0	0.61	30.04	-79.0	0.36	5898.9	85.9 311.0	56.41 N 64.81 W
6000.0	0.52	27.40	-79.6	0.09	5998.9	86.1 311.7	57.27 N 64.33 W
6100.0	0.30	37.15	-80.0	0.23	6098.9	86.3 312.1	57.89 N 63.97 W
6200.0	0.30	126.64	-79.9	0.42	6198.9	86.0 312.3	57.94 N 63.60 W
6300.0	0.46	139.63	-79.3	0.18	6298.9	85.4 312.3	57.48 N 63.13 W
6400.0	0.69	161.19	-78.3	0.31	6398.9	84.4 312.1	56.60 N 62.67 W
6500.0	1.36	165.03	-76.5	0.68	6498.9	82.9 311.4	54.88 N 62.17 W
6600.0	1.36	162.53	-74.2	0.06	6598.9	80.9 310.5	52.60 N 61.51 W
6614.0	1.34	155.88	-73.8	1.13	6612.9	80.6 310.4	52.29 N 61.39 W

Final Station Closure: Distance: 80.64 ft Az: 310.42 deg.