

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 SECTION feet	D O G L E G SEVERITY deg./ 100 ft.	V E R T I C A L DEPTH 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
0.0	0.00	0.00	0.0	0.00	0.0	0.0 0.0	0.00 N 0.00 E
0 - 6614 FT. RATE GYROSCOPIC MULTISHOT SURVEY RUN INSIDE DRILLPIPE							
ALL MEASURED DEPTHS AND COORDINATES REFERENCED TO PATTERSON #144 R.K.B.							
200.0	0.76	238.41	0.1	0.38	200.0	1.3 238.4	0.70 S 1.13 W
400.0	1.02	231.06	0.7	0.14	400.0	4.4 235.5	2.51 S 3.65 W
600.0	1.14	243.96	1.1	0.14	599.9	8.2 236.6	4.50 S 6.82 W
800.0	1.34	258.95	0.5	0.19	799.9	12.4 241.9	5.83 S 10.92 W
1000.0	1.54	277.94	-1.6	0.26	999.8	16.9 249.6	5.91 S 15.88 W
1200.0	1.33	290.11	-4.8	0.19	1199.8	21.3 257.1	4.74 S 20.73 W
1400.0	1.33	290.86	-8.1	0.01	1399.7	25.3 262.9	3.11 S 25.08 W
1600.0	1.38	309.41	-12.0	0.22	1599.7	29.1 268.5	0.75 S 29.12 W
1800.0	1.06	303.72	-15.8	0.17	1799.6	32.6 273.2	1.80 N 32.52 W
2000.0	1.06	305.41	-19.0	0.02	1999.6	35.8 276.3	3.90 N 35.57 W
2200.0	1.15	310.29	-22.5	0.06	2199.5	39.1 279.2	6.27 N 38.60 W
2400.0	1.38	314.59	-26.6	0.12	2399.5	42.9 282.5	9.26 N 41.84 W
2600.0	1.32	304.94	-30.9	0.12	2599.4	47.1 285.1	12.27 N 45.45 W
2800.0	1.40	308.52	-35.1	0.06	2799.4	51.5 287.1	15.12 N 49.26 W
3000.0	1.06	305.12	-38.9	0.17	2999.3	55.6 288.6	17.71 N 52.70 W
3200.0	1.06	299.14	-42.1	0.06	3199.3	59.2 289.4	19.68 N 55.83 W
3400.0	0.84	284.56	-44.5	0.16	3399.3	62.5 289.6	20.94 N 58.85 W
3600.0	0.68	305.22	-46.5	0.16	3599.3	65.1 289.8	22.00 N 61.24 W
3800.0	0.62	345.61	-48.6	0.23	3799.2	66.8 290.8	23.73 N 62.48 W
4000.0	0.76	6.01	-50.8	0.14	3999.2	67.8 292.6	26.10 N 62.61 W