

A Gyrodata Directional Survey

CONCHO RESOURCES
Well: FILAREE 18 FEDERAL WELL #1, 4-1/2" DRILLPIPE
Location: PATTERSON #144, EDDY COUNTY, NEW MEXICO
Job Number: MD0701GME269

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
2100.0	0.67	46.97	29.4	0.29	2099.5	36.5 7.0	36.24 N 4.48 E
2200.0	0.64	52.29	30.6	0.06	2199.5	37.4 8.2	36.99 N 5.35 E
2300.0	0.71	54.38	31.7	0.07	2299.5	38.2 9.5	37.69 N 6.30 E
2400.0	0.55	62.56	32.8	0.18	2399.5	38.9 10.7	38.27 N 7.23 E
2500.0	0.73	69.42	33.8	0.20	2499.5	39.6 12.0	38.72 N 8.25 E
2600.0	0.70	72.23	34.9	0.05	2599.4	40.2 13.5	39.13 N 9.43 E
2700.0	0.59	77.81	35.9	0.12	2699.4	40.8 14.9	39.42 N 10.52 E
2800.0	0.77	76.71	36.9	0.17	2799.4	41.4 16.4	39.69 N 11.67 E
2900.0	0.79	77.34	38.0	0.02	2899.4	42.1 18.0	39.99 N 13.00 E
3000.0	0.91	79.25	39.2	0.13	2999.4	42.8 19.7	40.29 N 14.45 E
3100.0	0.97	80.79	40.5	0.06	3099.4	43.6 21.6	40.57 N 16.06 E
3200.0	0.97	75.68	41.9	0.09	3199.4	44.6 23.4	40.92 N 17.72 E
3300.0	1.06	76.20	43.4	0.09	3299.4	45.7 25.2	41.35 N 19.43 E
3400.0	1.03	73.18	45.0	0.06	3399.4	46.9 26.9	41.83 N 21.19 E
3500.0	1.39	77.07	46.7	0.36	3499.3	48.3 28.7	42.36 N 23.23 E
3600.0	1.50	75.86	48.9	0.12	3599.3	50.0 30.9	42.95 N 25.68 E
3700.0	1.65	74.70	51.2	0.15	3699.3	52.0 33.0	43.65 N 28.34 E
3800.0	1.77	71.69	53.8	0.15	3799.2	54.4 35.0	44.52 N 31.20 E
3900.0	1.48	74.08	56.3	0.29	3899.2	56.6 36.8	45.36 N 33.91 E
4000.0	1.29	82.71	58.2	0.28	3999.1	58.5 38.3	45.85 N 36.27 E
4100.0	1.26	87.73	59.9	0.12	4099.1	60.0 39.9	46.04 N 38.49 E
4200.0	0.99	96.21	61.2	0.32	4199.1	61.3 41.3	45.99 N 40.46 E
4300.0	0.98	100.39	62.2	0.07	4299.1	62.2 42.7	45.74 N 42.16 E
4400.0	0.88	104.60	63.0	0.12	4399.1	63.0 43.9	45.40 N 43.74 E