

A Gyrodata Directional Survey

Marathon Oil Company
 Well: INDIAN HILLS #30, 5" DRILLPIPE
 Location: NABORS #311, EDDY COUNTY, NEW MEXICO
 Job Number: MD0601GMO236

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
4500.0	21.28	21.50	769.8	1.38	4392.7	769.8 20.5	720.85 N 270.14 E
4600.0	19.30	21.12	804.5	1.98	4486.5	804.5 20.6	753.15 N 282.75 E
4700.0	14.62	34.65	833.3	6.09	4582.2	833.3 20.8	778.98 N 295.90 E
4800.0	13.94	37.50	857.1	0.98	4679.1	857.1 21.2	798.92 N 310.41 E
4900.0	16.26	24.13	882.6	4.17	4775.7	882.7 21.5	821.26 N 323.48 E
5000.0	17.90	17.42	911.9	2.56	4871.3	912.0 21.5	848.70 N 333.80 E
5100.0	15.25	11.91	940.3	3.07	4967.1	940.3 21.3	876.24 N 341.11 E
5200.0	12.70	17.07	964.2	2.84	5064.1	964.3 21.1	899.63 N 347.06 E
5300.0	14.45	25.86	987.6	2.70	5161.3	987.7 21.1	921.37 N 355.73 E
5400.0	17.42	25.90	1015.0	2.97	5257.5	1015.0 21.2	946.07 N 367.72 E
5500.0	19.36	23.92	1046.4	2.03	5352.4	1046.5 21.3	974.70 N 380.98 E
5600.0	18.62	20.09	1079.0	1.45	5446.9	1079.0 21.4	1004.84 N 393.18 E
5700.0	20.17	18.52	1112.2	1.64	5541.3	1112.2 21.3	1036.19 N 404.14 E
5800.0	21.76	17.33	1147.9	1.64	5634.6	1147.9 21.2	1070.23 N 415.14 E
5900.0	21.49	18.27	1184.7	0.44	5727.6	1184.7 21.1	1105.31 N 426.40 E
6000.0	19.68	21.54	1219.8	2.14	5821.2	1219.8 21.1	1138.37 N 438.32 E
6100.0	16.52	26.45	1250.8	3.51	5916.3	1250.8 21.1	1166.77 N 450.84 E
6200.0	12.47	42.83	1275.0	5.73	6013.1	1275.1 21.4	1187.42 N 464.52 E
6300.0	12.30	53.79	1293.9	2.35	6110.8	1294.1 21.8	1201.63 N 480.45 E
6400.0	13.24	44.74	1313.3	2.21	6208.3	1313.7 22.2	1216.06 N 497.11 E
6500.0	14.61	34.13	1336.0	2.89	6305.4	1336.7 22.5	1234.64 N 512.25 E
6600.0	15.29	30.42	1361.3	1.17	6402.0	1362.1 22.7	1256.45 N 526.00 E
6700.0	15.92	29.81	1387.8	0.65	6498.3	1388.8 22.9	1279.72 N 539.50 E
6800.0	16.47	27.73	1415.4	0.80	6594.4	1416.5 23.0	1304.17 N 552.91 E