

MARATHON OIL COMPANY
Indian Hills Unit No. 25, slot #1
Indian Basin, EDDY COUNTY, NM.

Measured Depth	Inclin. Degrees	Azimuth Degrees	True Vert Depth	R E C T A N G U L A R C O O R D I N A T E S	Dogleg Deg/100ft	Vert Sect
5000.00	0.00	135.00	5000.00	0.00 E	0.00	0.00
5100.00	2.50	135.00	5099.97	1.54 S	2.50	2.18
5200.00	5.00	135.00	5199.75	6.17 S	2.50	8.72
5300.00	7.50	135.00	5299.14	13.86 S	2.50	19.61
5400.00	10.00	135.00	5397.97	24.62 S	2.50	34.82
5500.00	12.50	135.00	5496.04	38.41 S	2.50	54.33
5600.00	15.00	135.00	5593.17	55.22 S	2.50	78.09
5700.00	17.50	135.00	5689.17	75.00 S	2.50	106.07
5706.13	17.65	135.00	5695.01	76.31 S	2.50	107.92
6000.00	17.65	135.00	5975.04	139.33 S	0.00	197.04
6500.00	17.65	135.00	6451.50	246.55 S	0.00	348.67
7000.00	17.65	135.00	6927.95	353.76 S	0.00	500.30
7500.00	17.65	135.00	7404.41	460.98 S	0.00	651.92
7915.14	17.65	135.00	7800.00	550.00 S	0.00	777.82
8000.00	17.65	135.00	7880.86	568.20 S	0.00	803.55
8500.00	17.65	135.00	8357.32	675.41 S	0.00	955.18
8544.79	17.65	135.00	8400.00	685.02 S	0.00	968.76
8807.15	17.65	135.00	8650.00	741.28 S	0.00	1048.32

Top of Upper Penn

Base of Upper Penn

All data is in feet unless otherwise stated.
Coordinates from slot #1 and TVD from rotary table.
Bottom hole distance is 1048.32 on azimuth 135.00 degrees from wellhead.
Vertical section is from wellhead on azimuth 135.00 degrees.
Calculation uses the minimum curvature method.
Presented by Baker Hughes INTEQ