

MARATHON OIL COMPANY
NIBU NO.14,slot #1
, EDDY CO., NEW MEXICO

SURVEY LISTING Page 2
Your ref : GYRO
Last revised : 31-Dec-96

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
500.00	1.93	151.76	2498.71	63.25 S 42.33 E	0.09	-42.33
600.00	1.74	151.22	2598.66	66.07 S 43.86 E	0.19	-43.86
700.00	1.89	155.08	2698.61	68.89 S 45.28 E	0.19	-45.28
800.00	1.64	160.40	2798.56	71.74 S 46.46 E	0.30	-46.46
900.00	1.61	158.68	2898.52	74.39 S 47.45 E	0.06	-47.45
000.00	1.72	158.99	2998.48	77.10 S 48.50 E	0.11	-48.50
100.00	1.41	161.86	3098.44	79.67 S 49.42 E	0.32	-49.42
200.00	1.34	161.33	3198.41	81.95 S 50.18 E	0.07	-50.18
300.00	1.36	172.45	3298.38	84.23 S 50.71 E	0.26	-50.71
400.00	1.19	175.70	3398.36	86.45 S 50.94 E	0.18	-50.94
500.00	1.16	187.04	3498.34	88.49 S 50.89 E	0.23	-50.89
600.00	1.00	184.96	3598.32	90.36 S 50.69 E	0.16	-50.69
700.00	0.90	185.06	3698.30	92.01 S 50.55 E	0.10	-50.55
800.00	0.96	192.26	3798.29	93.61 S 50.30 E	0.13	-50.30
900.00	0.83	175.91	3898.28	95.15 S 50.18 E	0.29	-50.18
000.00	0.86	174.75	3998.27	96.62 S 50.30 E	0.03	-50.30
100.00	0.82	177.36	4098.26	98.09 S 50.40 E	0.06	-50.40
200.00	0.99	189.85	4198.25	99.65 S 50.28 E	0.26	-50.28
300.00	1.13	199.24	4298.23	101.43 S 49.81 E	0.22	-49.81
400.00	1.38	211.60	4398.20	103.39 S 48.85 E	0.37	-48.85
500.00	1.38	230.15	4498.18	105.19 S 47.30 E	0.44	-47.30
600.00	1.21	240.69	4598.15	106.48 S 45.45 E	0.29	-45.45
700.00	1.25	266.54	4698.13	107.06 S 43.44 E	0.55	-43.44
800.00	1.24	289.60	4798.10	106.76 S 41.34 E	0.50	-41.34
900.00	1.47	311.71	4898.08	105.55 S 39.36 E	0.57	-39.36

All data is in feet unless otherwise stated.

Coordinates from structure and TVD from rotary table.

Bottom hole distance is 1299.37 on azimuth 264.83 degrees from wellhead.

Vertical section is from S 0.00 W 0.00 on azimuth 270.00 degrees.

Calculation uses the minimum curvature method.

Presented by Baker Hughes INTEQ