

Inrun Survey
MARATHON

Well number : McGrail State No.10

Date : 26-DEC-1996

Measured Depth	Vertical Depth	Vert. Section	Inc Deg	Azimuth Deg	Coordinates Latitude	Departure	D-leg /100ft
3900.0	3899.09	-26.3	2.20	159.72	-26.33	54.36	0.25
4000.0	3999.02	-30.1	2.28	167.99	-30.07	55.44	0.33
4100.0	4098.92	-34.3	2.66	165.10	-34.26	56.45	0.40
4200.0	4198.82	-38.6	2.45	166.85	-38.59	57.53	0.22
4300.0	4298.73	-42.8	2.50	163.82	-42.76	58.63	0.14
4400.0	4398.64	-46.7	2.24	164.06	-46.73	59.77	0.26
4500.0	4498.58	-50.3	1.99	162.34	-50.27	60.83	0.25
4600.0	4598.52	-53.5	1.95	162.30	-53.54	61.88	0.04
4700.0	4698.46	-56.8	1.96	165.91	-56.82	62.81	0.12
4800.0	4798.40	-60.0	1.82	163.98	-60.01	63.67	0.16
4900.0	4898.35	-63.1	1.88	165.53	-63.13	64.52	0.08
5000.0	4998.30	-66.3	1.88	166.47	-66.31	65.31	0.03
5100.0	5098.24	-69.5	1.88	163.28	-69.47	66.16	0.10
5200.0	5198.19	-72.6	1.84	163.03	-72.58	67.10	0.04
5300.0	5298.14	-75.7	1.99	153.01	-75.66	68.36	0.37
5400.0	5398.07	-78.9	2.20	151.07	-78.89	70.08	0.22
5500.0	5498.00	-82.2	2.14	150.70	-82.20	71.92	0.06
5600.0	5597.92	-85.6	2.44	144.49	-85.56	74.07	0.39
5700.0	5697.82	-88.9	2.49	139.36	-88.94	76.72	0.23
5800.0	5797.73	-91.9	2.42	127.09	-91.86	79.82	0.53
5845.0	5842.69	-93.2	2.63	136.24	-93.18	81.30	1.00

At Bottom Hole Location: Measured Depth Horiz. Displ. Closure Dir.
 = 5845.0 = 123.662 = 138.897

