

Survey File: GASCOM2

Date: 3-24-97

Time: 03:39:31

MARATHON

FEDERAL GAS COM.#2

EDDY CO., NM

McVAY #4

ALL DEPTHS REFERENCED TO RKB

ALL DIRECTIONS REFERENCED TO TRUE NORTH

SURVEYORS: R. HILL /C.BUNTING

Survey Reference Point : 89.0

Local Grid Offset : 0.0

Drift Correction Method: Variable rate from drift checks

Survey Computation Method: Minimum Curvature

Target Direction: 260.00

FINAL DATA (INRUN)

Measured Depth (feet)	Course Inclination	Course Direction	Vertical Depth (feet)	Rectangular Coordinates		Vertical Section	Dogleg Severity (per100)
				N/S	E/W		
0.00	0.00	0.00	0.00	0.00	0.00	-0.00	0.00
100.00	0.37	130.07	100.00	-0.21	0.25	-0.21	0.37
200.00	0.49	85.76	200.00	-0.38	0.92	-0.84	0.34
300.00	1.15	72.32	299.98	-0.05	2.30	-2.26	0.68
400.00	3.38	84.90	399.89	0.52	6.20	-6.20	2.28
500.00	4.28	94.78	499.67	0.47	12.86	-12.75	1.11
600.00	4.23	101.24	599.39	-0.56	20.20	-19.80	0.48
700.00	4.96	97.32	699.07	-1.83	28.10	-27.36	0.79
800.00	4.66	99.60	798.72	-3.06	36.39	-35.31	0.36
900.00	4.37	100.40	898.41	-4.42	44.14	-42.70	0.29
1000.00	3.63	100.08	998.16	-5.66	51.00	-49.24	0.75
1100.00	3.14	101.41	1097.99	-6.76	56.80	-54.76	0.49
1200.00	2.97	102.84	1197.85	-7.87	62.01	-59.70	0.19
1300.00	2.83	103.11	1297.72	-9.01	66.93	-64.35	0.14
1400.00	2.46	103.28	1397.61	-10.06	71.42	-68.59	0.37
1500.00	1.95	102.69	1497.54	-10.92	75.16	-72.12	0.51
1600.00	1.29	102.69	1597.50	-11.55	77.92	-74.73	0.65
1700.00	0.76	114.34	1697.48	-12.07	79.63	-76.32	0.57
1800.00	0.84	142.07	1797.47	-12.92	80.68	-77.21	0.39
1900.00	0.87	147.54	1897.46	-14.14	81.54	-77.85	0.09
2000.00	0.92	149.17	1997.45	-15.47	82.36	-78.42	0.05
2100.00	0.87	146.56	2097.43	-16.79	83.18	-79.00	0.06
2200.00	0.86	144.38	2197.42	-18.03	84.04	-79.63	0.03
2300.00	0.81	151.78	2297.41	-19.26	84.81	-80.18	0.12
2400.00	0.71	158.24	2397.40	-20.46	85.37	-80.52	0.13
2500.00	0.85	159.88	2497.39	-21.73	85.86	-80.78	0.14
2600.00	0.82	152.52	2597.38	-23.07	86.44	-81.12	0.11
2700.00	1.00	164.40	2697.37	-24.54	87.01	-81.43	0.26
2800.00	1.07	167.72	2797.35	-26.30	87.44	-81.54	0.09
2900.00	1.05	170.06	2897.34	-28.11	87.80	-81.58	0.05
3000.00	1.09	174.10	2997.32	-29.96	88.06	-81.52	0.09