

Outrun Survey
TEXACO EXPLORATION & PRODUCTION INC.

Well number : JR PHILLIPS NO. 9

Date : 14-FEB-1997

Measured Depth	Vertical Depth	Vert. Section	Inc Deg	Azimuth Deg	Coordinates		D-leg
					Latitude	Departure	/100ft
3900.0	3899.48	16.1	2.42	155.38	-20.76	17.00	0.14
4000.0	3999.40	19.2	2.16	154.37	-24.38	18.69	0.26
4100.0	4099.34	22.0	1.84	162.46	-27.61	19.99	0.43
4200.0	4199.29	24.8	1.71	169.29	-30.60	20.75	0.25
4300.0	4299.24	27.5	1.80	165.91	-33.59	21.41	0.14
4400.0	4399.19	30.4	1.97	164.78	-36.77	22.24	0.17
4500.0	4499.12	33.5	2.15	163.26	-40.22	23.23	0.19
4600.0	4599.06	36.6	1.94	160.82	-43.62	24.33	0.22
4700.0	4699.01	39.2	1.77	156.37	-46.64	25.51	0.23
4800.0	4798.96	41.6	1.64	159.57	-49.39	26.62	0.16
4900.0	4898.93	43.9	1.45	163.01	-51.95	27.49	0.21
5000.0	4998.89	46.0	1.38	159.54	-54.29	28.29	0.11
5100.0	5098.87	47.9	1.32	158.44	-56.48	29.13	0.07
5200.0	5198.84	49.8	1.30	158.45	-58.61	29.97	0.00
5300.0	5298.81	51.7	1.29	162.55	-60.74	30.73	0.09
5400.0	5398.79	53.6	1.24	165.22	-62.87	31.34	0.08
5500.0	5498.77	55.5	1.24	164.20	-64.95	31.91	0.02
5589.0	5587.75	57.0	1.17	152.42	-66.68	32.59	0.29

At Bottom Hole Location: Measured Depth Horiz. Displ. Closure Dir.
 = 5589.0 = 74.220 = 153.952