

BOONE WIRELINE CO.
 Directional Survey Report
 Version 3.3

Company: TEXACO INC.
 Well: J.R. PHILLIPS NO.9
 Location: UNIT C SEC. 6
 Field: J.R. PHILLIPS
 Operator: SPARK
 Job No.: 37168

Survey File -> JRP9
 11 Mar 1997
 Probe 2335
 Depth Units: Feet
 Dec: 9.0

S Azimuth = 193.8
 S Origin North = 0.00
 S Origin East = 0.00

Method: Minimum Curvature

Station	MD	Inc	Az	North	East	TVD	VS	DL	DS
20	5715.00	63.3	198.6	-111.05	14.87	5696.19	104.30	71.0	ST
21	5720.00	67.2	198.7	-115.35	13.42	5698.29	108.82	77.1	ST
22	5725.00	70.8	199.0	-119.77	11.91	5700.08	113.47	72.7	ST
23	5730.00	74.5	199.3	-124.28	10.34	5701.56	118.22	74.5	ST
24	5761.00	91.0	199.6	-153.17	0.12	5705.46	148.72	53.1	ST
25	5793.00	92.9	198.3	-183.42	-10.27	5704.38	180.57	7.3	ST
26	5823.00	92.7	199.1	-211.80	-19.87	5702.92	210.43	2.7	ST
27	5855.00	91.3	198.6	-242.07	-30.19	5701.81	242.28	4.7	ST
28	5887.00	89.9	193.8	-272.79	-39.09	5701.47	274.24	15.6	ST
29	5918.00	90.5	192.9	-302.96	-46.25	5701.34	305.24	3.4	ST
30	5950.00	90.8	193.9	-334.08	-53.66	5700.95	337.24	3.1	ST
31	5981.00	89.4	193.6	-364.20	-61.01	5700.90	368.24	4.8	ST
32	6013.00	90.5	194.2	-395.26	-68.70	5700.94	400.24	4.0	ST
33	6045.00	92.0	193.8	-426.31	-76.42	5700.23	432.23	4.9	ST
34	6076.00	91.9	193.2	-456.44	-83.63	5699.17	463.21	1.9	ST
35	6108.00	92.6	192.9	-487.59	-90.84	5697.90	495.18	2.5	ST
36	6140.00	90.9	194.0	-518.69	-98.29	5696.91	527.16	6.4	ST
37	6171.00	90.3	194.7	-548.72	-105.99	5696.57	558.16	2.9	ST
38	6203.00	89.6	195.0	-579.64	-114.20	5696.60	590.15	2.6	ST