

SCIENTIFIC DRILLING SURVEY REPORT

Company: TEXACO E & P INC.
Field: Vacuum Gorieta West
Site: Lea County, NM
Well: VGWU #59
Wellpath: VHHH - Job #32K0699122/12

Date: 3/23/2000 Time: 14:59:44 Page: 3
Co-ordinate(N/E) Reference: Site: Lea County, NM, True North
Vertical (TVD) Reference: SITE 0.0 above Mean Sea Level
Section (VS) Reference: Slot (0.0E,0.0N,60.0Azi)
Survey Calculation Method: Minimum Curvature

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS d/100ft	ClsA deg	ClsD ft
6890.0	89.10	59.00	6028.1	452.2	809.7	927.3	4.79	60.82	927.4
6922.0	88.50	58.30	6028.7	468.9	837.0	959.3	2.88	60.74	959.4
6953.0	89.70	58.30	6029.2	485.2	863.4	990.3	3.87	60.67	990.3
6984.0	91.00	59.00	6029.0	501.3	889.8	1021.3	4.76	60.61	1021.3
7015.0	91.10	59.30	6028.5	517.2	916.5	1052.3	1.02	60.56	1052.3
7047.0	92.20	59.70	6027.5	533.4	944.0	1084.2	3.66	60.53	1084.3
7078.0	93.00	59.70	6026.1	549.0	970.7	1115.2	2.58	60.51	1115.3
7110.0	91.30	59.00	6024.9	565.3	998.3	1147.2	5.74	60.48	1147.2
7142.0	90.20	56.90	6024.5	582.3	1025.4	1179.2	7.41	60.41	1179.2
7173.0	89.20	56.90	6024.7	599.2	1051.3	1210.1	3.23	60.32	1210.1
7205.0	87.80	57.20	6025.5	616.6	1078.2	1242.1	4.47	60.23	1242.1
7225.0	87.80	57.60	6026.3	627.4	1095.0	1262.0	2.00	60.19	1262.0
7262.0	87.80	57.60	6027.7	647.2	1126.2	1299.0	0.00	60.12	1299.0