

Scientific Drilling Planning Report

Company: Texaco E & P, Inc.
Field: Vacuum Glorieta West Unit
Site: Lea County, New Mexico
Well: VGVU #59
Wellpath: NE Lateral

Date: 12/16/98 Time: 08:25:51 Page: 2
Co-ordinate(NE) Reference: Site: Lea County, New Mexico, True North
Vertical (TVD) Reference: SITE 0.0 above Mean Sea Level
Section (VS) Reference: Site (0.0E,0.0N,60.0Azi)
Plan: Plan #1

Section 2 : Inc Azi TVD Part 1 Build 38.19

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS d/100ft	Build d/100ft	Turn d/100ft	TFO deg
5900.0	15.28	59.98	5899.5	2.7	4.6	5.3	38.19	38.19	0.00	0.00
5910.0	19.10	59.98	5909.1	4.1	7.1	8.3	38.19	38.19	0.00	0.00
5920.0	22.91	59.98	5918.4	5.9	10.3	11.8	38.19	38.19	0.00	0.00
5930.0	26.73	59.98	5927.5	8.0	13.9	16.0	38.19	38.19	0.00	0.00
5940.0	30.55	59.98	5936.3	10.4	18.0	20.8	38.19	38.19	0.00	0.00
5950.0	34.37	59.98	5944.7	13.1	22.7	26.2	38.19	38.19	0.00	0.00
5960.0	38.19	59.98	5952.8	16.1	27.8	32.1	38.19	38.19	0.00	0.00
5970.0	42.01	59.98	5960.4	19.3	33.4	38.6	38.19	38.19	0.00	0.00
5980.0	45.83	59.98	5967.6	22.8	39.4	45.5	38.19	38.19	0.00	0.00
5990.0	49.65	59.98	5974.3	26.5	45.8	52.9	38.19	38.19	0.00	0.00
6000.0	53.47	59.98	5980.5	30.4	52.6	60.7	38.19	38.19	0.00	0.00
6010.0	57.29	59.98	5986.2	34.5	59.7	68.9	38.19	38.19	0.00	0.00
6020.0	61.11	59.98	5991.3	38.8	67.1	77.5	38.19	38.19	0.00	0.00
6030.0	64.93	59.98	5995.9	43.2	74.8	86.4	38.19	38.19	0.00	0.00
6040.0	68.74	59.98	5999.8	47.8	82.8	95.6	38.19	38.19	0.00	0.00
6050.0	72.56	59.98	6003.1	52.6	91.0	105.1	38.19	38.19	0.00	0.00
6060.0	76.38	59.98	6005.8	57.4	99.3	114.7	38.19	38.19	0.00	0.00
6070.0	80.20	59.98	6007.8	62.3	107.8	124.5	38.19	38.19	0.00	0.00
6080.0	84.02	59.98	6009.2	67.2	116.4	134.4	38.19	38.19	0.00	0.00
6090.0	87.84	59.98	6009.9	72.2	125.0	144.4	38.19	38.19	0.00	0.00
6093.0	89.00	59.98	6010.0	73.7	127.6	147.4	38.19	38.19	0.00	0.00

Section 3 : DT6 Curve Part 1 Hold

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS d/100ft	Build d/100ft	Turn d/100ft	TFO deg
6100.0	89.00	59.98	6010.1	77.2	133.7	154.4	0.00	0.00	0.00	180.00
6200.0	89.00	59.98	6011.9	127.3	220.2	254.4	0.00	0.00	0.00	180.00
6300.0	89.00	59.98	6013.6	177.3	306.8	354.3	0.00	0.00	0.00	180.00
6400.0	89.00	59.98	6015.4	227.3	393.4	454.3	0.00	0.00	0.00	180.00
6500.0	89.00	59.98	6017.1	277.3	479.9	554.3	0.00	0.00	0.00	180.00
6600.0	89.00	59.98	6018.8	327.3	566.5	654.3	0.00	0.00	0.00	180.00
6700.0	89.00	59.98	6020.6	377.4	653.1	754.3	0.00	0.00	0.00	180.00
6800.0	89.00	59.98	6022.3	427.4	739.7	854.3	0.00	0.00	0.00	180.00
6900.0	89.00	59.98	6024.1	477.4	826.2	954.2	0.00	0.00	0.00	180.00
7000.0	89.00	59.98	6025.8	527.4	912.8	1054.2	0.00	0.00	0.00	180.00
7100.0	89.00	59.98	6027.6	577.5	999.4	1154.2	0.00	0.00	0.00	180.00
7200.0	89.00	59.98	6029.3	627.5	1085.9	1254.2	0.00	0.00	0.00	180.00
7245.1	89.00	59.98	6030.0	650.0	1125.0	1299.3	0.00	0.00	0.00	180.00