

Scientific Drilling Planning Report

Company: Texaco E & P, Inc.
Field: Vacuum Gorieta West Unit
Site: Lea County, New Mexico
Well: VGWU #59
Wellpath: West Upper Lateral

Date: 12/16/98
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,270.0Azi)
Plan: Plan #1

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Section 2 : HZ Landing Part 1 Build 30.16

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
5860.0	15.08	270.00	5859.4	0.0	-6.5	6.5	30.16	30.16	0.00	0.00
5870.0	18.09	270.00	5869.0	0.0	-9.4	9.4	30.16	30.16	0.00	0.00
5880.0	21.11	270.00	5878.4	0.0	-12.7	12.7	30.16	30.16	0.00	0.00
5890.0	24.12	270.00	5887.7	0.0	-16.6	16.6	30.16	30.16	0.00	0.00
5900.0	27.14	270.00	5896.7	0.0	-20.9	20.9	30.16	30.16	0.00	0.00
5910.0	30.16	270.00	5905.4	0.0	-25.7	25.7	30.16	30.16	0.00	0.00
5920.0	33.17	270.00	5914.0	0.0	-31.0	31.0	30.16	30.16	0.00	0.00
5930.0	36.19	270.00	5922.2	0.0	-36.7	36.7	30.16	30.16	0.00	0.00
5940.0	39.20	270.00	5930.1	0.0	-42.8	42.8	30.16	30.16	0.00	0.00
5950.0	42.22	270.00	5937.7	0.0	-49.3	49.3	30.16	30.16	0.00	0.00
5960.0	45.23	270.00	5944.9	0.0	-56.2	56.2	30.16	30.16	0.00	0.00
5970.0	48.25	270.00	5951.7	0.0	-63.5	63.5	30.16	30.16	0.00	0.00
5980.0	51.26	270.00	5958.2	0.0	-71.1	71.1	30.16	30.16	0.00	0.00
5990.0	54.28	270.00	5964.3	0.0	-79.1	79.1	30.16	30.16	0.00	0.00
6000.0	57.30	270.00	5969.9	0.0	-87.3	87.3	30.16	30.16	0.00	0.00
6010.0	60.31	270.00	5975.1	0.0	-95.9	95.9	30.16	30.16	0.00	0.00
6020.0	63.33	270.00	5979.8	0.0	-104.7	104.7	30.16	30.16	0.00	0.00
6030.0	66.34	270.00	5984.0	0.0	-113.8	113.8	30.16	30.16	0.00	0.00
6040.0	69.36	270.00	5987.8	0.0	-123.0	123.0	30.16	30.16	0.00	0.00
6050.0	72.37	270.00	5991.1	0.0	-132.5	132.5	30.16	30.16	0.00	0.00
6060.0	75.39	270.00	5993.9	0.0	-142.1	142.1	30.16	30.16	0.00	0.00
6070.0	78.40	270.00	5996.1	0.0	-151.8	151.8	30.16	30.16	0.00	0.00
6080.0	81.42	270.00	5997.9	0.0	-161.7	161.7	30.16	30.16	0.00	0.00
6090.0	84.44	270.00	5999.1	0.0	-171.6	171.6	30.16	30.16	0.00	0.00
6100.0	87.45	270.00	5999.8	0.0	-181.6	181.6	30.16	30.16	0.00	0.00
6108.5	90.00	270.00	6000.0	0.0	-190.0	190.0	30.16	30.16	0.00	0.00

Section 3 : DT6 Curve Part 1 Build 0.35 Tu

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
6200.0	90.32	270.00	5999.7	0.0	-281.5	281.5	0.35	0.35	0.00	0.00
6300.0	90.67	270.00	5998.9	0.0	-381.5	381.5	0.35	0.35	0.00	0.00
6400.0	91.02	270.00	5997.4	0.0	-481.5	481.5	0.35	0.35	0.00	0.00
6500.0	91.37	270.00	5995.3	0.0	-581.5	581.5	0.35	0.35	0.00	0.00
6600.0	91.72	270.00	5992.6	0.0	-681.5	681.5	0.35	0.35	0.00	0.00
6700.0	92.07	270.00	5989.3	0.0	-781.4	781.4	0.35	0.35	0.00	0.00
6800.0	92.41	270.00	5985.4	0.0	-881.3	881.3	0.35	0.35	0.00	0.00
6900.0	92.76	270.00	5980.9	0.0	-981.2	981.2	0.35	0.35	0.00	0.00
6918.8	92.83	270.00	5980.0	0.0	-1000.0	1000.0	0.35	0.35	0.00	0.00