

Scientific Drilling International

Survey Report

Company: TEXACO E & P INC.
 Field: Wildcat
 Site: Lea County, NM
 Well: A.E. State #1-H
 Wellpath: VH - Job #32K1101611

Date: 1/2/2002

Time: 13:23:43

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Co-ordinate(NE) Reference:

Site: Lea County, NM, True North

Vertical (TVD) Reference:

SITE 0.0 above Mean Sea Level

Section (VS) Reference:

Well (0.0E,0.0N,154.2Azi)

Survey Calculation Method:

Minimum Curvature

Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	ClsD ft	ClsA deg
4800.0	1.21	218.66	4799.6	15.2	-7.2	20.1	21.3	109.84
4900.0	1.43	221.58	4899.6	16.2	-9.0	18.6	20.6	115.84
5000.0	1.51	214.90	4999.6	17.3	-11.0	17.0	20.2	122.94
5100.0	2.22	195.57	5099.5	19.4	-14.0	15.7	21.0	131.60
5200.0	2.50	193.78	5199.4	22.5	-17.9	14.7	23.2	140.71
5300.0	2.61	193.36	5299.3	26.0	-22.3	13.6	26.1	148.53
5400.0	2.54	193.78	5399.2	29.5	-26.6	12.6	29.5	154.73
5500.0	2.57	195.73	5499.1	32.8	-31.0	11.4	33.0	159.71
5600.0	2.63	195.28	5599.0	36.3	-35.3	10.2	36.8	163.85
5700.0	2.66	192.13	5698.9	39.8	-39.8	9.1	40.8	167.07
5800.0	2.72	189.59	5798.8	43.6	-44.4	8.3	45.2	169.47
5900.0	2.90	190.65	5898.7	47.6	-49.2	7.4	49.8	171.46
6000.0	2.80	190.34	5998.6	51.6	-54.1	6.5	54.5	173.17
6100.0	2.73	191.55	6098.4	55.4	-58.9	5.6	59.1	174.59
6200.0	2.46	193.23	6198.3	59.0	-63.3	4.6	63.5	175.84
6300.0	2.28	197.01	6298.3	62.1	-67.3	3.5	67.4	177.00
6400.0	2.19	194.59	6398.2	65.0	-71.0	2.5	71.1	178.01
6500.0	2.03	196.57	6498.1	67.8	-74.6	1.5	74.6	178.86
6593.0	1.86	190.51	6591.1	70.2	-77.6	0.7	77.6	179.46