

Scientific Drilling International

Survey Report

Company: PHILLIPS PETROLEUM
Field: Vacuum Gorieta East
Site: Lea County, NM
Well: EVGSAU #3229-013
Wellpath: HH - Job #32D0501267

Date: 6/5/2001 **Time:** 22:07:18 **Page:** 2
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,85.4Azi)
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
5722.0	89.60	90.80	4659.6	1258.4	210.5	1245.5	1263.2	80.41
5753.0	90.30	91.20	4659.6	1289.2	210.0	1276.5	1293.7	80.66
5785.0	90.90	91.60	4659.3	1321.1	209.2	1308.5	1325.1	80.92
5817.0	91.80	92.30	4658.5	1352.8	208.1	1340.5	1356.5	81.17
5848.0	94.90	91.90	4656.7	1383.6	207.0	1371.4	1386.9	81.42
5880.0	96.60	90.80	4653.5	1415.2	206.2	1403.2	1418.3	81.64
5912.0	96.70	91.20	4649.8	1446.9	205.7	1435.0	1449.7	81.84
5944.0	97.10	91.90	4646.0	1478.5	204.8	1466.8	1481.0	82.05
5975.0	95.30	91.90	4642.6	1509.1	203.8	1497.6	1511.4	82.25
6007.0	94.30	91.90	4640.0	1540.8	202.7	1529.4	1542.8	82.45
6039.0	94.30	91.20	4637.6	1572.5	201.9	1561.3	1574.3	82.63
6071.0	94.40	91.60	4635.1	1604.2	201.1	1593.2	1605.9	82.81
6102.0	94.40	90.80	4632.7	1635.0	200.5	1624.1	1636.4	82.96
6134.0	94.60	90.80	4630.2	1666.7	200.0	1656.0	1668.1	83.11
6166.0	94.70	90.20	4627.6	1698.5	199.7	1687.9	1699.7	83.25
6198.0	94.40	90.50	4625.1	1730.3	199.5	1719.8	1731.4	83.38
6229.0	94.60	90.80	4622.7	1761.1	199.2	1750.7	1762.0	83.51
6261.0	94.70	89.80	4620.1	1792.8	199.0	1782.6	1793.7	83.63
6293.0	95.00	89.80	4617.4	1824.6	199.1	1814.5	1825.4	83.74
6325.0	94.90	90.20	4614.6	1856.4	199.1	1846.4	1857.1	83.84
6356.0	95.10	90.50	4611.9	1887.2	198.9	1877.3	1887.8	83.95
6388.0	95.60	90.50	4608.9	1918.9	198.7	1909.1	1919.4	84.06
6420.0	95.60	90.80	4605.8	1950.6	198.3	1941.0	1951.1	84.17
6452.0	94.40	91.60	4603.0	1982.3	197.6	1972.8	1982.7	84.28
6484.0	93.90	91.90	4600.7	2014.1	196.7	2004.7	2014.4	84.40
6515.0	92.40	91.20	4599.0	2044.8	195.8	2035.7	2045.1	84.51
6547.0	90.50	90.50	4598.2	2076.7	195.3	2067.7	2076.9	84.60
6579.0	89.30	89.40	4598.2	2108.6	195.4	2099.7	2108.7	84.68
6611.0	89.10	89.10	4598.7	2140.5	195.8	2131.7	2140.6	84.75
6642.0	87.90	90.50	4599.5	2171.4	195.9	2162.6	2171.5	84.82
6674.0	86.80	90.50	4601.0	2203.2	195.6	2194.6	2203.3	84.91
6706.0	86.80	90.80	4602.8	2235.0	195.3	2226.6	2235.1	84.99
6738.0	86.90	91.20	4604.5	2266.8	194.7	2258.5	2266.9	85.07
6769.0	86.30	91.20	4606.4	2297.6	194.1	2289.4	2297.6	85.16
6801.0	85.70	90.50	4608.6	2329.4	193.6	2321.4	2329.4	85.23
6833.0	85.80	90.20	4611.0	2361.2	193.4	2353.3	2361.2	85.30
6865.0	86.00	90.50	4613.3	2393.0	193.2	2385.2	2393.0	85.37
6896.0	86.30	90.50	4615.3	2423.8	192.9	2416.1	2423.8	85.43
6928.0	86.30	90.20	4617.4	2455.6	192.7	2448.0	2455.6	85.50
6960.0	86.70	90.20	4619.4	2487.4	192.6	2480.0	2487.5	85.56
6992.0	86.40	89.80	4621.3	2519.3	192.6	2511.9	2519.3	85.62
7033.0	86.40	89.80	4623.9	2560.1	192.8	2552.8	2560.1	85.68