

# Scientific Drilling International

## Survey Report

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

**Date:** 1/2/2002 **Time:** 13:23:43 **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,154.2Azi)  
**Survey Calculation Method:** Minimum Curvature

### Survey

| MD<br>ft | Incl<br>deg | Azim<br>deg | TVD<br>ft | VS<br>ft | N/S<br>ft | E/W<br>ft | ClsD<br>ft | ClsA<br>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      |