

# WELL FILE

PHOENIX MULTI-SHOT  
P.O. BOX 4357  
CORPUS CHRISTI, TEXAS 78469

(512) 883-7263  
(800) 880-SHOT

API # 30-025-33987

TEXACO E & P, INC.  
NORTH VAC ABO WEST, WELL #30  
LEA COUNTY, NEW MEXICO  
RIG: YALE E KEY #119  
JOB NUMBER: 777067 07/29/97 T. JALLAD  
DECLINATION: 9.11 EAST (TRUE)  
PROPOSED DIRECTION: 226.87

Seri: K, 1880/5 4 1980/62  
BHL: M, 526/5 4 491/62  
15-175-34e

## Minimum Curvature Calculations

| MEASURED | B O R E - H O L E | TRUE           | R E C T A N G U L A R | VERTICAL | C L O S U R E S    | DLS      |
|----------|-------------------|----------------|-----------------------|----------|--------------------|----------|
| Depth    | Incl. Direction   | Vertical Depth | North/South East/West | SECTION  | Distance Direction | Deg/100' |
| Feet     | D M               | Feet           | Feet                  | Feet     | Feet D M           |          |
| 0.00     | 0 0 N 0 0 E       | 0.00           | 0.00                  | 0.00     | 0.00 N 0 0 E       | 0.00     |
| 200.00   | 0 39 N 57 26 E    | 200.00         | .62 N                 | .97 E    | 1.15 N57 26E       | .33      |
| 400.00   | 0 34 N 75 12 E    | 399.98         | 1.49 N                | 2.90 E   | 3.26 N62 46E       | .10      |
| 600.00   | 0 23 S 25 7 E     | 599.98         | 1.13 N                | 4.15 E   | 4.30 N74 45E       | .31      |
| 800.00   | 0 2 S 29 53 E     | 799.98         | .45 N                 | 4.48 E   | 4.50 N84 12E       | .17      |
| 1000.00  | 0 30 N 38 33 E    | 999.97         | 1.09 N                | 5.07 E   | 5.18 N77 51E       | .26      |
| 1200.00  | 0 6 S 50 38 E     | 1199.97        | 1.68 N                | 5.76 E   | 6.00 N73 46E       | .26      |
| 1400.00  | 0 24 N 67 8 W     | 1399.97        | 1.84 N                | 5.25 E   | 5.56 N70 42E       | .25      |
| 1600.00  | 0 17 N 28 14 W    | 1599.97        | 2.55 N                | 4.37 E   | 5.06 N59 40E       | .13      |
| 1800.00  | 0 36 S 63 9 E     | 1799.96        | 2.52 N                | 5.08 E   | 5.67 N63 36E       | .43      |
| 2000.00  | 0 26 S 13 16 W    | 1999.96        | 1.29 N                | 5.85 E   | 5.99 N77 33E       | .33      |
| 2200.00  | 0 22 N 72 59 E    | 2199.96        | .73 N                 | 6.29 E   | 6.34 N83 21E       | .35      |
| 2400.00  | 0 50 S 70 50 E    | 2399.94        | .45 N                 | 8.28 E   | 8.29 N86 55E       | .29      |
| 2600.00  | 0 14 N 86 27 E    | 2599.94        | 0.00 S                | 10.06 E  | 10.06 S89 58E      | .31      |
| 2800.00  | 0 59 N 66 6 E     | 2799.92        | .71 N                 | 12.05 E  | 12.07 N86 36E      | .38      |

TEXACO E & P, INC.  
NORTH VAC ABO WEST, WELL #30  
LEA COUNTY, NEW MEXICO

| MEASURED<br>Depth<br>Feet | B O R E -<br>Incl.<br>D M | H O L E<br>Direction<br>D M | TRUE<br>Vertical<br>Depth<br>Feet | R E C T A N G U L A R<br>C O O R D I N A T E S<br>North/South East/West<br>Feet | VERTICAL<br>SECTION<br>Feet | C L O S U R E S<br>Distance<br>Feet | D I R E C T I O N<br>D M | D I S<br>Deg/100' |
|---------------------------|---------------------------|-----------------------------|-----------------------------------|---------------------------------------------------------------------------------|-----------------------------|-------------------------------------|--------------------------|-------------------|
| 3000.00                   | 1 16                      | N 60 35 E                   | 2999.88                           | 2.50 N                                                                          | -13.05                      | 15.74                               | N80 52E                  | .16               |
| 3200.00                   | 1 0                       | N 49 2 E                    | 3199.84                           | 4.73 N                                                                          | -16.94                      | 19.37                               | N75 52E                  | .18               |
| 3400.00                   | 1 23                      | N 70 7 E                    | 3399.80                           | 6.70 N                                                                          | -20.92                      | 23.37                               | N73 20E                  | .29               |
| 3600.00                   | 1 6                       | N 65 46 E                   | 3599.75                           | 8.31 N                                                                          | -24.96                      | 27.69                               | N72 32E                  | .15               |
| 3800.00                   | 0 36                      | N 49 29 E                   | 3799.73                           | 9.78 N                                                                          | -27.83                      | 30.57                               | N71 20E                  | .28               |
| 4000.00                   | 0 51                      | N 70 12 E                   | 3999.72                           | 10.96 N                                                                         | -30.23                      | 33.03                               | N70 37E                  | .18               |
| 4200.00                   | 0 44                      | S 62 21 E                   | 4199.70                           | 10.87 N                                                                         | -32.01                      | 35.39                               | N72 6E                   | .32               |
| 4400.00                   | 0 49                      | S 88 21 E                   | 4399.68                           | 10.24 N                                                                         | -33.45                      | 37.66                               | N74 13E                  | .18               |
| 4600.00                   | 0 45                      | S 88 3 E                    | 4599.66                           | 10.15 N                                                                         | -35.39                      | 40.28                               | N75 24E                  | 0.04              |
| 4800.00                   | 0 37                      | S 65 5 E                    | 4799.65                           | 9.65 N                                                                          | -36.72                      | 42.38                               | N76 50E                  | .15               |
| 5000.00                   | 0 18                      | N 70 9 E                    | 4999.64                           | 9.38 N                                                                          | -37.62                      | 43.78                               | N77 37E                  | .23               |
| 5200.00                   | 0 51                      | N 72 18 E                   | 5199.63                           | 10.02 N                                                                         | -39.46                      | 45.79                               | N77 22E                  | .27               |
| 5400.00                   | 0 42                      | N 22 44 E                   | 5399.61                           | 11.61 N                                                                         | -41.93                      | 48.00                               | N76 0E                   | .33               |
| 5600.00                   | 0 27                      | N 88 18 E                   | 5599.60                           | 12.78 N                                                                         | -43.66                      | 49.53                               | N75 3E                   | .33               |
| 5800.00                   | 0 42                      | S 89 11 E                   | 5799.59                           | 12.78 N                                                                         | -45.14                      | 51.49                               | N75 37E                  | .12               |
| 6000.00                   | 0 51                      | N 51 21 E                   | 5999.58                           | 13.70 N                                                                         | -47.52                      | 54.04                               | N75 18E                  | .27               |
| 6200.00                   | 0 38                      | N 71 33 E                   | 6199.56                           | 14.99 N                                                                         | -50.01                      | 56.51                               | N74 37E                  | .17               |
| 6400.00                   | 1 3                       | N 65 3 E                    | 6399.54                           | 16.12 N                                                                         | -52.77                      | 59.44                               | N74 16E                  | .22               |
| 6600.00                   | 1 0                       | N 77 25 E                   | 6599.51                           | 17.28 N                                                                         | -56.05                      | 63.02                               | N74 5E                   | .11               |
| 6800.00                   | 0 29                      | N 86 19 E                   | 6799.49                           | 17.72 N                                                                         | -58.22                      | 65.62                               | N74 20E                  | .27               |
| 7000.00                   | 0 43                      | N 30 32 E                   | 6999.48                           | 18.86 N                                                                         | -60.09                      | 67.37                               | N73 44E                  | .30               |
| 7200.00                   | 1 6                       | N 51 54 E                   | 7199.45                           | 21.14 N                                                                         | -63.23                      | 70.10                               | N72 27E                  | .26               |
| 7400.00                   | 1 0                       | N 66 47 E                   | 7399.42                           | 23.01 N                                                                         | -66.78                      | 73.64                               | N71 47E                  | .15               |
| 7600.00                   | 1 5                       | N 49 36 E                   | 7599.39                           | 24.92 N                                                                         | -70.31                      | 77.12                               | N71 8E                   | .16               |
| 7800.00                   | 0 45                      | N 67 20 E                   | 7799.36                           | 26.67 N                                                                         | -73.45                      | 80.22                               | N70 35E                  | .22               |

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| MEASURED<br>Depth<br>Feet | B O R E -<br>Incl.<br>D M | H O L E<br>Direction<br>D M | TRUE                      |                                                        | R E C T A N G U L A R |        | VERTICAL<br>SECTION<br>Feet | C L O S U R E S  |                  | DLS<br>Deg/100' |
|---------------------------|---------------------------|-----------------------------|---------------------------|--------------------------------------------------------|-----------------------|--------|-----------------------------|------------------|------------------|-----------------|
|                           |                           |                             | Vertical<br>Depth<br>Feet | C O O R D I N A T E S<br>North/South East/West<br>Feet | Feet                  | Feet   |                             | Distance<br>Feet | Direction<br>D M |                 |
| 8000.00                   | 0 54                      | N 54 48 E                   | 7999.34                   | 28.09 N                                                | 78.18 E               | -76.26 | 83.07                       | N70 14E          |                  | .12             |
| 8200.00                   | 0 56                      | N 86 45 E                   | 8199.31                   | 29.10 N                                                | 81.12 E               | -79.10 | 86.18                       | N70 15E          |                  | .25             |
| 8400.00                   | 1 21                      | S 87 3 E                    | 8399.27                   | 29.08 N                                                | 85.11 E               | -81.99 | 89.94                       | N71 8E           |                  | .21             |
| 8500.00                   | 1 14                      | S 77 17 E                   | 8499.25                   | 28.78 N                                                | 87.34 E               | -83.41 | 91.96                       | N71 46E          |                  | .25             |
| 8589.00                   | 1 40                      | N 80 30 E                   | 8588.22                   | 28.78 N                                                | 89.56 E               | -85.04 | 94.07                       | N72 11E          |                  | .79             |

Final Station Closure Distance: 94.07 Feet; Direction: N 72 11 E



Job Number:

Company: TEXACO E & P, INC.

Lease/Well: NVAWU #30

Location: LEA CO., NEW MEXICO

Rig Name: YEK

RKB: 4056

G.L. or M.S.L.: 4047'

State/Country: NEW MEXICO, USA  
Declination: 9.11  
Gnd:  
File name: C:\WINSERVE\NVAWU30.SVY  
Date/Time: 18-Aug-97 / 15:03  
Curve Name: AS DRILLED

PHOENIX DRILLING SERVICES, INC.

WELL FILE

WINSERVE SURVEY CALCULATIONS  
Minimum Curvature Method  
Vertical Section Plane 226.87

| Measured<br>Depth<br>FT | Incl<br>Angle<br>Deg | Drift<br>Direction<br>Deg | True<br>Vertical<br>Depth | Subsea<br>TVD<br>FT | N-S<br>FT | E-W<br>FT | Vertical<br>Section<br>FT | Distance<br>FT | Direction<br>Deg | CLOSURE<br>Dogleg<br>Severity<br>Deg/100 |
|-------------------------|----------------------|---------------------------|---------------------------|---------------------|-----------|-----------|---------------------------|----------------|------------------|------------------------------------------|
|-------------------------|----------------------|---------------------------|---------------------------|---------------------|-----------|-----------|---------------------------|----------------|------------------|------------------------------------------|

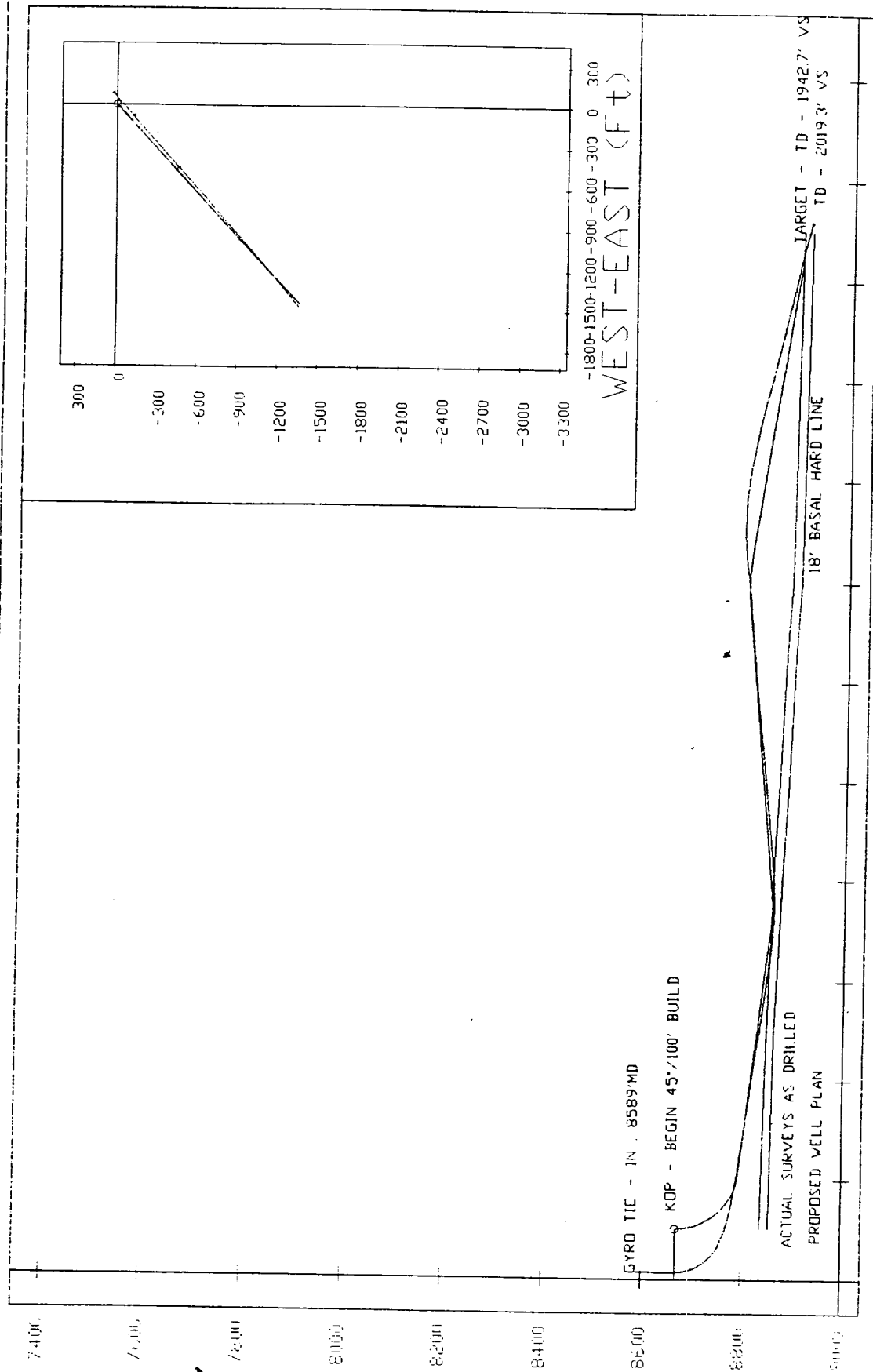
GYRO TIE-IN

|         |       |        |         |          |         |         |        |        |        |       |
|---------|-------|--------|---------|----------|---------|---------|--------|--------|--------|-------|
| 8589.00 | 1.70  | 80.50  | 8588.20 | -8588.20 | 28.80   | 89.60   | -85.08 | 94.11  | 72.18  | .00   |
| 8665.00 | .60   | 218.00 | 8664.19 | -8664.19 | 28.67   | 90.47   | -85.63 | 94.90  | 72.41  | 2.87  |
| 8680.00 | 7.40  | 218.10 | 8679.15 | -8679.15 | 27.85   | 89.82   | -84.59 | 94.04  | 72.77  | 45.33 |
| 8690.00 | 12.70 | 227.50 | 8688.99 | -8688.99 | 26.60   | 88.61   | -82.85 | 92.52  | 73.29  | 55.31 |
| 8700.00 | 18.30 | 230.10 | 8698.62 | -8698.62 | 24.85   | 86.60   | -80.19 | 90.09  | 73.99  | 56.42 |
| 8715.00 | 26.60 | 235.80 | 8712.47 | -8712.47 | 21.44   | 82.00   | -74.51 | 84.76  | 75.35  | 57.14 |
| 8730.00 | 34.70 | 231.50 | 8725.37 | -8725.37 | 16.89   | 75.87   | -66.92 | 77.73  | 77.45  | 55.91 |
| 8745.00 | 43.40 | 229.80 | 8737.01 | -8737.01 | 10.89   | 68.58   | -57.50 | 69.44  | 80.97  | 58.43 |
| 8760.00 | 52.00 | 228.00 | 8747.09 | -8747.09 | 3.60    | 60.24   | -46.42 | 60.35  | 86.58  | 58.01 |
| 8775.00 | 60.90 | 228.00 | 8755.38 | -8755.38 | -4.76   | 50.96   | -33.94 | 51.18  | 95.33  | 59.33 |
| 8807.00 | 74.30 | 227.50 | 8767.54 | -8767.54 | -24.61  | 29.11   | -4.42  | 38.12  | 130.21 | 41.90 |
| 8839.00 | 75.60 | 229.50 | 8775.85 | -8775.85 | -45.08  | 5.97    | 26.47  | 45.48  | 172.46 | 7.28  |
| 8870.00 | 80.20 | 228.30 | 8782.35 | -8782.35 | -65.00  | -16.86  | 56.75  | 67.16  | 194.54 | 15.31 |
| 8901.00 | 82.00 | 228.80 | 8787.14 | -8787.14 | -85.28  | -39.82  | 87.36  | 94.12  | 205.03 | 6.02  |
| 8932.00 | 81.50 | 228.30 | 8791.59 | -8791.59 | -105.59 | -62.81  | 118.03 | 122.86 | 210.75 | 2.27  |
| 8964.00 | 81.00 | 228.90 | 8796.46 | -8796.46 | -126.50 | -86.54  | 149.64 | 153.27 | 214.38 | 2.42  |
| 8995.00 | 80.70 | 228.80 | 8801.39 | -8801.39 | -146.64 | -109.58 | 180.23 | 183.06 | 216.77 | 1.02  |
| 9027.00 | 83.20 | 228.80 | 8805.87 | -8805.87 | -167.51 | -133.42 | 211.89 | 214.15 | 218.54 | 7.81  |
| 9058.00 | 82.30 | 228.10 | 8809.78 | -8809.78 | -187.91 | -156.44 | 242.63 | 244.50 | 219.78 | 3.67  |
| 9090.00 | 81.90 | 228.00 | 8814.18 | -8814.18 | -209.09 | -180.01 | 274.32 | 275.91 | 220.73 | 1.29  |
| 9122.00 | 82.90 | 227.90 | 8818.41 | -8818.41 | -230.34 | -203.56 | 306.03 | 307.40 | 221.47 | 3.14  |
| 9153.00 | 82.10 | 227.80 | 8822.46 | -8822.46 | -250.96 | -226.35 | 336.76 | 337.96 | 222.05 | 2.60  |
| 9185.00 | 81.10 | 226.60 | 8827.13 | -8827.13 | -272.47 | -249.58 | 368.42 | 369.50 | 222.49 | 4.85  |
| 9217.00 | 82.10 | 227.80 | 8831.81 | -8831.81 | -293.98 | -272.80 | 400.07 | 401.06 | 222.86 | 4.85  |

| Measured<br>Depth | Incl  | Angle | Drift  | Direction | True<br>Vertical | Subsea<br>TVD | N-S      | E-W      | Vertical<br>Section | Distance<br>FT | CLOSURE<br>Direction | Dogleg<br>Severity<br>Deg/100 |
|-------------------|-------|-------|--------|-----------|------------------|---------------|----------|----------|---------------------|----------------|----------------------|-------------------------------|
| 9249.00           | 81.60 | 83.60 | 229.00 | 229.00    | 8836.35          | -8836.35      | -315.01  | -296.49  | 431.74              | 432.59         | 223.27               | 4.03                          |
| 9312.00           | 83.60 | 83.60 | 226.50 | 226.50    | 8844.46          | -8844.46      | -357.01  | -342.73  | 494.20              | 494.89         | 223.83               | 5.06                          |
| 9344.00           | 83.00 | 83.00 | 226.30 | 226.30    | 8848.19          | -8848.19      | -378.93  | -365.74  | 525.98              | 526.65         | 223.99               | 1.98                          |
| 9376.00           | 83.20 | 83.20 | 226.50 | 226.50    | 8852.04          | -8852.04      | -400.84  | -388.75  | 557.75              | 558.39         | 224.12               | .88                           |
| 9408.00           | 86.00 | 86.00 | 228.00 | 228.00    | 8855.05          | -8855.05      | -422.46  | -412.14  | 589.60              | 590.20         | 224.29               | 9.92                          |
| 9439.00           | 85.70 | 89.90 | 227.70 | 227.70    | 8857.29          | -8857.29      | -443.21  | -435.06  | 620.51              | 621.06         | 224.47               | 1.37                          |
| 9471.00           | 89.90 | 89.90 | 227.50 | 227.50    | 8858.52          | -8858.52      | -464.68  | -458.75  | 652.48              | 652.98         | 224.63               | 13.14                         |
| 9502.00           | 93.00 | 93.00 | 228.00 | 228.00    | 8857.74          | -8857.74      | -485.44  | -481.75  | 683.46              | 683.91         | 224.78               | 10.01                         |
| 9533.00           | 93.20 | 93.20 | 227.30 | 227.30    | 8856.06          | -8856.06      | -506.29  | -504.63  | 714.41              | 714.83         | 224.91               | 2.35                          |
| 9564.00           | 95.30 | 95.30 | 227.10 | 227.10    | 8853.76          | -8853.76      | -527.29  | -527.31  | 745.32              | 745.72         | 225.00               | 6.80                          |
| 9596.00           | 95.80 | 95.60 | 226.70 | 226.70    | 8850.67          | -8850.67      | -549.06  | -550.57  | 777.17              | 777.55         | 225.08               | 2.00                          |
| 9628.00           | 95.60 | 95.40 | 226.20 | 226.40    | 8847.49          | -8847.49      | -570.99  | -573.65  | 809.01              | 809.39         | 225.13               | 1.68                          |
| 9660.00           | 95.40 | 95.40 | 226.40 | 226.40    | 8844.42          | -8844.42      | -593.00  | -596.68  | 840.86              | 841.23         | 225.18               | .88                           |
| 9690.00           | 96.10 | 96.10 | 227.00 | 227.00    | 8841.42          | -8841.42      | -613.47  | -618.40  | 870.71              | 871.07         | 225.23               | 3.07                          |
| 9722.00           | 95.70 | 95.70 | 227.30 | 227.30    | 8838.13          | -8838.13      | -635.12  | -641.73  | 902.54              | 902.88         | 225.30               | 1.56                          |
| 9754.00           | 95.30 | 96.90 | 228.10 | 228.50    | 8835.06          | -8835.06      | -656.56  | -665.29  | 934.39              | 934.71         | 225.38               | 2.78                          |
| 9817.00           | 96.90 | 96.90 | 228.50 | 228.80    | 8828.37          | -8828.37      | -698.23  | -712.06  | 997.01              | 997.27         | 225.56               | 2.62                          |
| 9848.00           | 97.40 | 97.40 | 228.80 | 228.80    | 8824.51          | -8824.51      | -718.55  | -735.15  | 1027.76             | 1027.99        | 225.65               | 1.88                          |
| 9880.00           | 97.30 | 97.30 | 229.10 | 229.10    | 8820.41          | -8820.41      | -739.39  | -759.09  | 1059.47             | 1059.68        | 225.75               | .98                           |
| 9910.00           | 94.20 | 94.20 | 229.30 | 229.30    | 8817.41          | -8817.41      | -758.89  | -781.68  | 1089.29             | 1089.47        | 225.85               | 10.35                         |
| 9942.00           | 94.30 | 95.20 | 229.20 | 228.80    | 8815.04          | -8815.04      | -779.72  | -805.86  | 1121.18             | 1121.33        | 225.94               | .44                           |
| 9974.00           | 95.20 | 95.20 | 228.80 | 228.80    | 8812.39          | -8812.39      | -800.64  | -829.92  | 1153.05             | 1153.17        | 226.03               | 3.08                          |
| 10005.00          | 95.20 | 95.20 | 229.00 | 228.60    | 8809.58          | -8809.58      | -820.94  | -853.19  | 1183.90             | 1184.01        | 226.10               | .64                           |
| 10037.00          | 95.20 | 94.60 | 228.60 | 227.90    | 8806.68          | -8806.68      | -841.93  | -877.17  | 1215.75             | 1215.84        | 226.17               | 1.24                          |
| 10068.00          | 94.60 | 94.60 | 227.90 | 227.90    | 8804.03          | -8804.03      | -862.50  | -900.21  | 1246.63             | 1246.71        | 226.23               | 2.97                          |
| 10099.00          | 94.90 | 96.30 | 227.40 | 227.10    | 8801.46          | -8801.46      | -883.31  | -923.04  | 1277.52             | 1277.59        | 226.26               | 1.88                          |
| 10131.00          | 96.30 | 97.20 | 227.10 | 226.90    | 8798.34          | -8798.34      | -904.93  | -946.43  | 1309.36             | 1309.43        | 226.28               | 4.47                          |
| 10162.00          | 97.20 | 97.20 | 226.90 | 226.90    | 8794.70          | -8794.70      | -925.92  | -968.94  | 1340.15             | 1340.21        | 226.30               | 2.97                          |
| 10194.00          | 94.10 | 94.10 | 227.50 | 227.50    | 8791.55          | -8791.55      | -947.55  | -992.30  | 1371.99             | 1372.05        | 226.32               | 9.87                          |
| 10224.00          | 90.90 | 90.90 | 228.10 | 228.10    | 8790.24          | -8790.24      | -967.68  | -1014.50 | 1401.95             | 1402.01        | 226.35               | 10.85                         |
| 10256.00          | 87.70 | 85.10 | 228.50 | 229.00    | 8790.63          | -8790.63      | -988.97  | -1038.39 | 1433.94             | 1433.98        | 226.40               | 10.08                         |
| 10287.00          | 85.10 | 82.70 | 229.00 | 230.80    | 8792.58          | -8792.58      | -1009.36 | -1061.65 | 1464.85             | 1464.89        | 226.45               | 8.54                          |
| 10318.00          | 82.70 | 80.30 | 230.80 | 229.80    | 8795.87          | -8795.87      | -1029.22 | -1085.22 | 1495.63             | 1495.66        | 226.52               | 9.66                          |
| 10349.00          | 80.30 | 78.90 | 229.80 | 229.50    | 8800.45          | -8800.45      | -1048.80 | -1108.81 | 1526.23             | 1526.25        | 226.59               | 8.37                          |
| 10380.00          | 78.90 | 78.90 | 229.50 | 229.50    | 8806.05          | -8806.05      | -1068.54 | -1132.05 | 1556.69             | 1556.70        | 226.65               | 4.62                          |
| 10412.00          | 78.30 | 77.50 | 229.40 | 229.50    | 8812.37          | -8812.37      | -1088.93 | -1155.88 | 1588.03             | 1588.03        | 226.71               | 1.90                          |
| 10444.00          | 77.50 | 76.20 | 229.50 | 229.50    | 8819.08          | -8819.08      | -1109.27 | -1179.66 | 1619.28             | 1619.29        | 226.76               | 2.52                          |
| 10475.00          | 76.20 | 75.10 | 229.50 | 229.40    | 8826.13          | -8826.13      | -1128.88 | -1202.61 | 1649.44             | 1649.44        | 226.81               | 4.19                          |
| 10507.00          | 75.10 | 77.00 | 229.40 | 230.40    | 8834.06          | -8834.06      | -1149.03 | -1226.17 | 1680.41             | 1680.41        | 226.86               | 3.45                          |
| 10539.00          | 77.00 | 77.00 | 230.40 | 230.40    | 8841.78          | -8841.78      | -1169.03 | -1249.92 | 1711.42             | 1711.42        | 226.92               | 6.67                          |
| 10570.00          | 76.80 | 76.00 | 230.30 | 230.10    | 8848.80          | -8848.80      | -1188.30 | -1273.17 | 1741.55             | 1741.56        | 226.97               | .72                           |
| 10601.00          | 76.00 | 76.00 | 230.10 | 230.10    | 8856.09          | -8856.09      | -1207.59 | -1296.32 | 1771.63             | 1771.64        | 227.03               | 2.66                          |

[illegible]

Company: TEXACO E & P, INC  
 Lease/Well: NVAMU #30  
 Location: LEA CO. NEW MEXICO  
 Description: 911  
 File name: C:\WELL\ERVE\NVAMU30.SVY  
 Date/Time: Monday, August 11 1997



VERTICAL SECTION OF 10