

Survey File: SHIPP17

Date: 10-18-95

Time: 20:12:28

ENSERCH

LEA CO., NEW MEXICO

SHIPP STATE 17-1

SURVEYORS: RICE &amp; A. MITCHAM

SRG SURVEY ONLY

DEPTHS REF. TO RKB (GSDC #8)

DIRECTIONS REF. TO TRUE NORTH

Survey Reference Point : 82.0

Local Grid Offset : 0.0

Drift Correction Method: Constant Rate from initial to final sighting

Survey Computation Method: Minimum Curvature

Target Direction: 0.00

FINAL DATA (INRUN)

| Measured<br>Depth<br>(feet) | Course<br>Inclination | Course<br>Direction | Vertical<br>Depth<br>(feet) | Rectangular<br>Coordinates |       | Vertical<br>Section | Dogleg<br>Severity<br>(per100) |
|-----------------------------|-----------------------|---------------------|-----------------------------|----------------------------|-------|---------------------|--------------------------------|
|                             |                       |                     |                             | N/S                        | E/W   |                     |                                |
| 0.00                        | 0.00                  | 0.00                | 0.00                        | 0.00                       | 0.00  | 0.00                | 0.00                           |
| 100.00                      | 0.42                  | 192.90              | 100.00                      | -0.36                      | -0.08 | -0.36               | 0.42                           |
| 200.00                      | 0.55                  | 176.35              | 199.99                      | -1.20                      | -0.13 | -1.20               | 0.19                           |
| 300.00                      | 0.80                  | 183.93              | 299.99                      | -2.38                      | -0.15 | -2.38               | 0.27                           |
| 400.00                      | 1.02                  | 172.86              | 399.97                      | -3.96                      | -0.09 | -3.96               | 0.28                           |
| 500.00                      | 1.10                  | 175.46              | 499.96                      | -5.80                      | 0.10  | -5.80               | 0.10                           |
| 600.00                      | 1.03                  | 170.89              | 599.94                      | -7.65                      | 0.32  | -7.65               | 0.11                           |
| 700.00                      | 0.54                  | 179.31              | 699.93                      | -9.01                      | 0.46  | -9.01               | 0.50                           |
| 800.00                      | 0.50                  | 166.75              | 799.93                      | -9.91                      | 0.57  | -9.91               | 0.12                           |
| 900.00                      | 0.48                  | 173.79              | 899.92                      | -10.76                     | 0.72  | -10.76              | 0.06                           |
| 1000.00                     | 0.39                  | 179.52              | 999.92                      | -11.52                     | 0.77  | -11.52              | 0.10                           |
| 1100.00                     | 0.36                  | 172.13              | 1099.92                     | -12.17                     | 0.81  | -12.17              | 0.06                           |
| 1200.00                     | 0.30                  | 168.06              | 1199.92                     | -12.74                     | 0.91  | -12.74              | 0.06                           |
| 1300.00                     | 0.20                  | 163.14              | 1299.91                     | -13.17                     | 1.01  | -13.17              | 0.11                           |
| 1400.00                     | 0.23                  | 177.32              | 1399.91                     | -13.54                     | 1.07  | -13.54              | 0.06                           |
| 1500.00                     | 0.02                  | 209.15              | 1499.91                     | -13.76                     | 1.08  | -13.76              | 0.22                           |
| 1600.00                     | 0.03                  | 234.11              | 1599.91                     | -13.79                     | 1.04  | -13.79              | 0.02                           |
| 1700.00                     | 0.07                  | 257.47              | 1699.91                     | -13.82                     | 0.96  | -13.82              | 0.04                           |
| 1800.00                     | 0.01                  | 185.90              | 1799.91                     | -13.84                     | 0.90  | -13.84              | 0.07                           |
| 1900.00                     | 0.09                  | 52.00               | 1899.91                     | -13.80                     | 0.96  | -13.80              | 0.10                           |
| 2000.00                     | 0.12                  | 93.94               | 1999.91                     | -13.76                     | 1.12  | -13.76              | 0.08                           |
| 2100.00                     | 0.19                  | 65.31               | 2099.91                     | -13.70                     | 1.38  | -13.70              | 0.11                           |
| 2200.00                     | 0.11                  | 32.98               | 2199.91                     | -13.54                     | 1.59  | -13.54              | 0.12                           |
| 2300.00                     | 0.39                  | 70.32               | 2299.91                     | -13.35                     | 1.96  | -13.35              | 0.31                           |
| 2400.00                     | 0.21                  | 68.20               | 2399.91                     | -13.16                     | 2.45  | -13.16              | 0.18                           |
| 2500.00                     | 0.30                  | 65.73               | 2499.91                     | -12.99                     | 2.86  | -12.99              | 0.09                           |
| 2600.00                     | 0.29                  | 58.39               | 2599.91                     | -12.75                     | 3.31  | -12.75              | 0.04                           |
| 2700.00                     | 0.41                  | 57.80               | 2699.91                     | -12.42                     | 3.83  | -12.42              | 0.12                           |
| 2800.00                     | 0.40                  | 49.05               | 2799.90                     | -12.01                     | 4.40  | -12.01              | 0.06                           |
| 2900.00                     | 0.27                  | 15.28               | 2899.90                     | -11.55                     | 4.73  | -11.55              | 0.23                           |
| 3000.00                     | 0.08                  | 14.48               | 2999.90                     | -11.25                     | 4.81  | -11.25              | 0.20                           |

