



SHL/ 1828' FSL & 367' FWL  
LP/ 50' FSL & 460' FEL  
BHL/ 50' FSL & 2201' FEL  
Ground Elevation 4638'

| ANNOTATIONS |       |        |         |          |           |          |           |   |  |
|-------------|-------|--------|---------|----------|-----------|----------|-----------|---|--|
| MD          | Inc   | Azi    | TVD     | +N/-S    | +E/-W     | Vsect    | Departure | Annotation  |  |
| 1583.00     | 14.94 | 188.23 | 1547.36 | -286.67  | -46.62    | 83.89    | 290.80    | Tie into Surface Surveys                          |  |
| 1674.00     | 14.63 | 187.29 | 1635.35 | -309.68  | -49.76    | 90.02    | 314.02    | First MWD Survey @ 1674' MD                       |  |
| 6876.73     | 29.94 | 232.08 | 6634.23 | -1701.38 | -301.09   | 522.05   | 1742.80   | 30° Inclination @ 6876.73' MD                     |  |
| 7002.09     | 40.11 | 246.64 | 6737.05 | -1736.60 | -363.00   | 588.06   | 1814.89   | Cross @ 7002.09' MD                               |  |
| 7515.74     | 70.00 | 270.49 | 6997.40 | -1800.48 | -791.36   | 1021.09  | 2250.40   | 70° Inclination @ 7515.74' MD                     |  |
| 12409.23    | 89.10 | 269.95 | 7002.27 | -1737.79 | -5678.00  | 5857.12  | 7138.14   | Cross @ 12409.23' MD                              |  |
| 17667.48    | 90.35 | 269.20 | 6984.46 | -1741.92 | -10935.00 | 11069.08 | 12395.85  | Cross @ 17667.48' MD                              |  |
| 19783.00    | 89.70 | 270.23 | 7006.36 | -1734.42 | -13050.31 | 13165.06 | 14511.22  | Last MWD Survey @ 19783' MD                       |  |
| 19816.00    | 89.70 | 270.23 | 7006.54 | -1734.28 | -13083.31 | 13197.75 | 14544.22  | Projection to TD @ 19816' MD 34.5' FSL/ 2148' FEM |  |

