

COLLINS AND WARE, INC.  
QUAHADA RIDGE 31 FEDERAL NO.1, slot #1  
DELAWARE SAND, EDDY COUNTY, NEW MEXICO

SURVEY LISTING Page 5  
Your ref : LAT. NO.2  
Last revised : 21-Nov-94

| Measured<br>Depth | Inclin.<br>Degrees | Azimuth<br>Degrees | True Vert.<br>Depth | R E C T A N G U L A R<br>C O O R D I N A T E S | Dogleg<br>Deg/100Ft | Vert<br>Sect |
|-------------------|--------------------|--------------------|---------------------|------------------------------------------------|---------------------|--------------|
| 6335.00           | 84.30              | 13.00              | 6133.32             | 207.79 N                                       | 56.36 W             | 21.21        |
| 6340.00           | 84.50              | 13.80              | 6133.80             | 212.63 N                                       | 55.21 W             | 16.42        |
| 6345.00           | 84.90              | 13.80              | 6134.26             | 217.47 N                                       | 54.02 W             | 8.00         |
| 6350.00           | 86.10              | 14.60              | 6134.66             | 222.30 N                                       | 52.80 W             | 28.82        |
| 355.00            | 87.90              | 16.20              | 6134.92             | 227.12 N                                       | 51.47 W             | 48.14        |
| 6360.00           | 90.20              | 18.60              | 6135.00             | 231.88 N                                       | 49.98 W             | 66.48        |
| 6370.00           | 93.20              | 22.60              | 6134.70             | 241.24 N                                       | 46.46 W             | 49.98        |
| 6380.00           | 94.20              | 23.40              | 6134.06             | 250.42 N                                       | 42.56 W             | 12.80        |
| 6390.00           | 93.50              | 25.80              | 6133.39             | 259.50 N                                       | 38.41 W             | 24.95        |
| 6400.00           | 92.50              | 29.00              | 6132.86             | 268.36 N                                       | 33.81 W             | 33.48        |
| 6410.00           | 92.60              | 29.80              | 6132.42             | 277.06 N                                       | 28.91 W             | 8.05         |
| 6420.00           | 94.40              | 28.20              | 6131.81             | 285.79 N                                       | 24.07 W             | 24.06        |
| 6430.00           | 87.80              | 28.20              | 6131.62             | 294.60 N                                       | 19.35 W             | 66.00        |
| 6440.00           | 100.10             | 26.60              | 6130.93             | 303.44 N                                       | 14.77 W             | 124.03       |
| 6450.00           | 101.20             | 25.80              | 6129.08             | 312.26 N                                       | 10.43 W             | 13.52        |
| 6460.00           | 100.30             | 23.40              | 6127.22             | 321.19 N                                       | 6.34 W              | 25.24        |
| 6470.00           | 98.20              | 22.60              | 6125.61             | 330.27 N                                       | 2.48 W              | 22.44        |
| 6480.00           | 95.70              | 20.20              | 6124.40             | 339.51 N                                       | 1.14 E              | 34.53        |
| 6490.00           | 93.30              | 17.70              | 6123.61             | 348.94 N                                       | 4.38 E              | 34.60        |
| 500.00            | 89.10              | 13.80              | 6123.40             | 358.56 N                                       | 7.09 E              | 57.30        |
| 6510.00           | 87.50              | 10.60              | 6123.70             | 368.33 N                                       | 9.20 E              | 35.76        |
| 6520.00           | 89.20              | 10.60              | 6123.99             | 378.15 N                                       | 11.04 E             | 17.00        |
| 6530.00           | 90.90              | 12.20              | 6123.98             | 387.96 N                                       | 13.02 E             | 23.34        |
| 6540.00           | 91.40              | 13.80              | 6123.78             | 397.70 N                                       | 15.26 E             | 16.76        |
| 6550.00           | 90.20              | 16.20              | 6123.64             | 407.35 N                                       | 17.85 E             | 26.83        |

All data is in feet unless otherwise stated  
Coordinates from structure and TVD from wellhead.  
Vertical section is from wellhead on azimuth 0.00 degrees.  
Declination is 0.00 degrees, Convergence is 0.00 degrees.  
Calculation uses the minimum curvature method.  
Presented by Baker Hughes INTEQ