

COLLINS AND WARE, INC. SURVEY LISTING Page 6
 OUAHADA RIDGE 31 FEDERAL NO.1, slot #1 Your ref : LAT. NO.1
 DELAWARE SAND, EDDY COUNTY, NEW MEXICO Last revised : 21-Nov-94

Comments in wellpath

MD	TVD	Rectangular Coords.	Comment
6023.00	6022.16	15.08 S	0.08 W TIE ON GYRO SURVEY W/ STEERING TOOL
6065.00	6064.14	14.51 S	1.09 W KOP
6147.00	6118.26	25.78 N	31.00 W END OF CURVE
6573.00	6111.60	355.82 N	159.16 E PROJECTED FROM PREVIOUS SURVEY

All data is in feet unless otherwise stated
 Coordinates from structure and TVD from wellhead.
 Bottom hole distance is 389.79 on azimuth 24.10 degrees from wellhead.
 Vertical section is from N 0.00 E 0.00 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