

AXI Apache "O" No. 12  
 Well Name 1600 FSL & 860 FWL  
 Location: Sec. 4, T25N, R4W

Rio Arriba, N. Mex.  
 County & State  
 Elev: Est. 6977 KB

| DEPTH      | FORMATION<br>TOPS & TYPE | DRILLING<br>PROBLEMS | TYPE OF<br>FORMATION<br>EVALUATION | HOLE<br>SIZE | CASING |       | FRACTURE<br>GRADIENT | FORMATION<br>PRESSURE<br>GRADIENT | MUD    |      |
|------------|--------------------------|----------------------|------------------------------------|--------------|--------|-------|----------------------|-----------------------------------|--------|------|
|            |                          |                      |                                    |              | SIZE   | DEPTH |                      |                                   | WEIGHT | TYPE |
| 0          | Crataegus                |                      |                                    |              |        |       |                      |                                   |        |      |
| 0-100      |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 100-200    |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 200-300    |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 300-400    |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 400-500    |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 500-600    |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 600-700    |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 700-800    |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 800-900    |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 900-1000   |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 1000-1100  |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 1100-1200  |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 1200-1300  |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 1300-1400  |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 1400-1500  |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 1500-1600  |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 1600-1700  |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 1700-1800  |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 1800-1900  |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 1900-2000  |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 2000-2100  |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 2100-2200  |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 2200-2300  |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 2300-2400  |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 2400-2500  |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 2500-2600  |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 2600-2700  |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 2700-2800  |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 2800-2900  |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 2900-3000  |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 3000-3100  |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 3100-3200  |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 3200-3300  |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 3300-3400  |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 3400-3500  |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 3500-3600  |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 3600-3700  |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 3700-3800  |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 3800-3900  |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 3900-4000  |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 4000-4100  |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 4100-4200  |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 4200-4300  |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 4300-4400  |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 4400-4500  |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 4500-4600  |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 4600-4700  |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 4700-4800  |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 4800-4900  |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 4900-5000  |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 5000-5100  |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 5100-5200  |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 5200-5300  |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 5300-5400  |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 5400-5500  |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 5500-5600  |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 5600-5700  |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 5700-5800  |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 5800-5900  |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 5900-6000  |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 6000-6100  |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 6100-6200  |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 6200-6300  |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 6300-6400  |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 6400-6500  |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 6500-6600  |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 6600-6700  |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 6700-6800  |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 6800-6900  |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 6900-7000  |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 7000-7100  |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 7100-7200  |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 7200-7300  |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 7300-7400  |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 7400-7500  |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 7500-7600  |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 7600-7700  |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 7700-7800  |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 7800-7900  |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 7900-8000  |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 8000-8100  |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 8100-8200  |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 8200-8300  |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 8300-8400  |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 8400-8500  |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 8500-8600  |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 8600-8700  |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 8700-8800  |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 8800-8900  |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 8900-9000  |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 9000-9100  |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 9100-9200  |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 9200-9300  |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 9300-9400  |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 9400-9500  |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 9500-9600  |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 9600-9700  |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 9700-9800  |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 9800-9900  |                          |                      |                                    |              |        |       |                      |                                   |        |      |
| 9900-10000 |                          |                      |                                    |              |        |       |                      |                                   |        |      |

Geolograph  
O-TD

SP - IES  
 TD - SURFACE  
 2" & 5" SCALE  
 GR - CHL - FDC  
 TD - 1600'  
 2" & 5" SCALE  
 FDC  
 SUGGESTED  
 INTERVALS

Kirtland sh, 3115 Shale  
 Fruitland ss, 3255  
 Pic. Cliffs ss, 3405 Gas  
 Lewis sh, 3530 - TD

16 3/4 2 7/8 3530

8.5-9.0 FW