

ATTACHMENT TO FORM 9-331 C
APPLICATION FOR PERMIT TO DRILL

Continental Oil Company
AXI Apache-N No. 15
1650' FNL and 800' FEL, Section 11, T-25N, R-4W
Rio Arriba County, New Mexico

1. The geologic name of the surface formation is Quaternary Sand.
2. The estimated tops of important geologic markers are shown on the attached Proposed Well Plan.
3. The estimated depths at which anticipated water, oil, gas or other mineral-bearing formations to be encountered are shown on attached Proposed Well Plan.
4. The proposed casing program is as follows:
 - 0-250' New 9 5/8", 36#, H-40, ST&C
 - 0-4350' New 7", 23#, J-55, ST&C
 - 4300-6200' New 4 1/2", 10.5#, J-55, ST&C
5. A drawing of an API Series 900 Blowout Preventer Specification is attached. Pipe rams and blinds will be checked to 1,000 PSI for 30 minutes when BOP is installed. BOP will be checked when casing string is set and operated daily for checks.
6. The proposed mud program is as follows:
 - 0-250' spud mud 8.5-9.0 pounds per gallon
 - 250-4350' fresh gel mud 8.5-9.0 pounds per gallon
 - 4350-6200' air
7. The auxiliary equipment to be used is:
 - (1) kelly cocks
 - (2) floats at the bit
8. It is proposed to run SP-IES log from TD to approximately 3100' and GR CAL CNL FDC PDC logs at selected intervals, as shown on attached Proposed Well Plan.
9. No abnormal pressure or temperatures are expected to be encountered in this well.
10. The anticipated starting date for this well is November 15, 1978 with a duration date of approximately 21 days.