

**ATTACHMENT TO FORM 3160-3**  
**APPLICATION FOR PERMIT TO DRILL**

**Conoco Inc.**

**Sanderson A No. 18**  
**Sec. 11, T-20S, R-36E**  
**Lea County, New Mexico**

1. The estimated tops of important geologic markers are shown on the attached Proposed Well Plan Outline.
2. The estimated depths at which anticipated water, oil, gas or other mineral-bearing formations to be encountered are shown on the attached Proposed Well Plan Outline.
3. A drawing of Blowout Preventer Specifications is attached. Pipe rams and blinds will be checked to the working pressure of the stack or 70% of the minimum internal yield strength of the casing whichever is less. BOP will be checked when casing string is set.
4. The proposed casing program is as follows:

0-420':	8-5/8"	24#	K-55
0-3650':	5-1/2"	15-1/2#	K-55
5. The proposed mud program is as follows:

0-420':	8.4# Fresh
420'-3000':	10.0-10.2 Brine
3000'-3650':	10.0-10.2 Brine w/starch
6. The logging suite will include the following open-hole logs:  
1) GR-CAL-DLL-MSFL from 3650'-2600' and 2) GR-CAL-CNL-FDC from 3650'-2600'.
7. Special Drilling Problems:
  - a) Possible swelling in Red Beds
  - b) Possible salt section washout
  - c) Yates, 7-Rivers, & Queen pressure depleted
8. The anticipated starting date is 6-15-94 with a duration of approximately 14 days.