

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

Conoco Inc.

**Lockhart B No. 11
Sec. 14, T-21S, 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. BOPE will be checked when casing string is set.
4. The proposed casing program is as follows:

0- 1350 ^{450'} :	8-5/8"	24#	K-55
0-3660':	5-1/2"	15.5#	K-55
5. The proposed mud program is as follows:

0-1350':	8.4-9.0# Native
1350-3660':	10.0-10.4# Brine

Run open-hole logs from 2600'-TD. The log suite will include the following:
1) DLL-MSFL-GR-Cal 2) CNL-FDC-GR-Cal.
7. Special Drilling Problems:
 - a) Possible swelling in red beds @ 500'.
 - b) Possible Queen pressure depleted 3450'-TD.
8. The anticipated starting date is 5-17-93 with a duration of approximately 18 days.