

ATTACHMENT TO FORM 3160-3
APPLICATION FOR PERMIT TO DRILL

Conoco Inc.

Lockhart A-18 NO. 7
Sec. 18, T-21S, R-36E
~~Eddy~~ County, New Mexico
LCC

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:

0-420':	8-5/8"	24#	K-55
0-3800':	5-1/2"	15.5#	K-55
5. The proposed mud program is as follows:

0-420'	8.4-9.0# Native
420'-3800':	Saturated Brine
6. Run open-hole logs from 3800'-2600'. The log suite will include the following:
1) GR-CAL-DLL-MSFL and 2) GR-CAL-CNL-FDC. A temperature survey will be run to determine the top of cement on each casing string where cement is not circulated.
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 5-31-93 with a duration of approximately 18 days.

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