

Attachment to Form 9-331 C
Application for Permit to Drill

Continental Oil Company, Brinninstool Unit No. 3
660' FSL and 1980' FEL, Sec. 19, T-23S, R-33E
Lea 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 as follows:

| | |
|-----------------|----------------------|
| Rustler anhy. | Approximately 1330' |
| Salado salt | Approximately 1470' |
| Base salt | Approximately 4910' |
| Ramsey SS | Approximately 5200' |
| Bone Spring Ls. | Approximately 8820' |
| Wolfcamp Ls. | Approximately 12250' |
| Strawn Ls. | Approximately 14050' |
| Ivanovia Ls. | Approximately 14340' |
| 1st Morrow SS | Approximately 15150' |

4. The proposed casing program is as follows:

Surface - new 16" 65# K-55 STC set at approximately 700'
Intermediate - 10 3/4" 45.5# K-55 STC set at approximately 5100'
Production - 7 5/8" 33.7# K-55 STC set at approximately 14,000'
Liner - 5" 18# set at approximately 15,900'

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:

| | |
|---------------------------|----------------------------|
| 0-4910' fresh water | 8.5-9.0 pounds per gallon |
| 4910'-14050' salt water | 9.0-10.0 pounds per gallon |
| 14050'-TD fresh water gel | 8.5-9.0 pounds per gallon |

7. The auxiliary equipment to be used is:

- (1) kelly cocks
- (2) floats at the bit

8. It is proposed to run GR-CNL-FDC-DLL logs from TD to 5200'.
9. No abnormal pressures or temperatures are expected to be encountered in this well.
10. The anticipated starting date for the first well is September 1, 1978, with a duration date of approximately 100 days.

RECEIVED

JUL 18 1978

OIL CONSERVATION COMM.
DRESS, N. M.