

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

Continental Oil Company, Phillips Hooper No. 2  
660' FNL and 1980' FEL of Section 27, T-20S, R-37E  
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:

Quaternary - Surface	Seven Rivers 2900' Dolo.
Rustler 1225' Anhy.	Queen 3410' SS
Salado 1350' salt	Penrose 3510' SS
Yates 2640' SS	Grayburg 3700' Dolo.
4. The proposed casing program is as follows:

Surface - New 10 3/4" 40.5# K-55 set at 1300'
Intermediate - New 7" 20# K-55 STC set at 2700'
Production - New 4 1/2" 10.5# K-55 STC set at 3750'
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:

0-1300' fresh water	8.5-9.0 pounds per gallon
1300'-2700' salt gel	9.0-10.0 pounds per gallon
2700'-3750' salt gel	9.0-10.0 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 2700'.
9. No abnormal pressures or temperatures are expected to be encountered in this well.
10. The anticipated starting date for this well is May 25, 1977 with a duration date of approximately 7 days.