

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

Continental Oil Company, SEMU Eumont No. 98
2310' FNL and 1980' FEL of Section 14, 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:

Santa Rosa 500' water
Rustler 1325' anhy.
Salado 1450' salt
Yates 2660' sandstone
7-Rivers 2925'
Queen 3490' sandstone
Penrose 3610' sandstone
Grayburg 3765' Dolo.
4. The proposed casing program is as follows:

Surface - New 13 3/8" 48# H-40 set at 500'
Intermediate - New 8 5/8" 28# K55 STC set at 2650'
Production - New 5 1/2" 14# K55 STC set at 3810'
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:

0-500' spud mud 8.5-9.0 pounds per gallon
500'-2650' salt gel 10.5-10.8 pounds per gallon
2650'-3810' 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 2500'.
9. No abnormal pressures or temperatures are expected to be encountered in this well.
10. The anticipated starting date for this well is November 1, 1977, with a duration date of approximately seven days.