

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

Continental Oil Company, James Ranch Unit No. 8
1980' FSL and 660' FWL of Section 31, T-22S, R-31E
Eddy 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 SS 400' water	Strawn 13760' Lime
Rustler 620' Anhy.	Ivanovia 13200' Lime
Salado 740' Salt	Morrow 14,120' Gas
Lamar 3970' Lime	
Bone Spring 7840' Lime	
Wolfcamp 11,100' Lime	
4. The proposed casing program is as follows:

Conductor - New 16" 65# H-40 STC set at 650'
Surface - New 10 3/4" 45# K-55 set at 3980'
Intermediate - New 7 5/8" 33.7# N-80 set at 12000'
Production - New 5" 18# N-80 set at 14,625'
5. A drawing of an API Series 5000 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 strings are set and operated daily for checks.
6. A proposed mud program for a typical well is attached.
7. The auxiliary equipment to be used is: See attached.
8. The Logging Program: Refer to the attached Proposed Well Plan.
9. For abnormal pressures or temperatures refer to the attached pressure control data.
10. The anticipated starting date for this well is November 15, 1976 with a duration date of approximately 120 days.