

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

Empire South Deep Unit No. 17, Unit C, 660' FNL x 1980' FWL, Sec. 4,
T-18-S, R-29-E, Eddy County, New Mexico.

1. Location

See Attached Form C-102

2. Elevation

See Attached Form C-102

3. Geologic name of surface formation.

Unknown

4. Type of drilling tools and associated equipment to be utilized.

See Form 9-331 C

5. Proposed drilling depth.

See Form 9-331 C

6. Estimated tops of important geologic markers.

Abo	6,600'
Wolfcamp	7,350'
Cisco	9,000'

7. Estimated depths at which anticipated water, oil, gas or other mineral bearing formations are expected to be encountered.

Wolfcamp 7,350'

8. Proposed casing program including size, grade, and weight of each string and whether it is new or used.

<u>Depth</u>	<u>Size</u>	<u>Weight</u>	<u>Grade</u>	<u>New or Used</u>
400'	13 3/8"	54#	K-55 ST&C	New
2,900'	8 5/8"	24#	K-55 ST&C	New
9,200'	5 1/2"	14-15.5#	K-55 ST&C	New

9. Proposed cementing program.

13 3/8" Casing-Sufficient to circulate to surface.

8 5/8" Casing-Sufficient to circulate to surface.

5 1/2" Casing-Sufficient to tie back to 8 5/8" Casing.