

Attachment to "Application for Permit to Drill" Form 9-331 C
Yates Federal Well No. 1, Unit N, 2,310' FWL x 660 FSL, Section 15,
T-19-S, R-24-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.

San Andres	400'	Wolfcamp	5,000'
Glorieta	1,850	Strawn	7,843'
Abo	3,800'	Morrow	8,608'
Lower Abo	4,800'	Mississippian	8,833'

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

Lower Abo	4,800'	Strawn	7,843'
Wolfcamp	5,000'	Morrow	8,608'
		Mississippian	8,833'

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>
200'	13 3/8"	48#	K-55 ST&C	New
2,000'	8 5/8"	24#	K-55 ST&C	New
9,000'	5 1/2"	14-15.5#	K-55 ST&C	New

9. Proposed cementing program.

13 3/8" Casing - Sufficient cement to circulate to surface
8 5/8" Casing - Sufficient cement to circulate to surface
5 1/2" Casing - Sufficient to tie back to 8 5/8" Casing.