

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

Bondurant Federal Well No. 5

Unit J, 1980' FSL X 1980 FEL, Sec 12, T-19-S, R-32-E, Lea County, NM

1. Location

See attached Form C-102

2. Elevation

See attached Form C-102

3. Geologic name of surface formation.

Quaternary

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.

Rustler - 1510'	Wolfcamp - 10720'
Queen - 4140'	Strawn - 12100'
Delaware - 5530'	Mid-Morrow - 13200'
Bone Spring - 7600'	Mis Silic - 14000'

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

Delaware 5530'
Wolfcamp - 10720'
Mid-Morrow - 13200'

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>
450'	13 3/8"	54.5#	K-55	New
5000'	9 5/8"	40#	K-55	New
14000'	5 1/2"	15.5#, 17#	K-55	New

9. Proposed cementing program.

13 3/8" csg - circulate to surface.
9 5/8" csg - circulate to surface
5 1/2" csg - Tie back to 9 5/8"