

ATTACHMENT TO FORM 9-331 C
APPLICATION FOR PERMIT TO DRILL

Conoco Inc..
Tuesday Federal No.1
NM-24160

1. The estimated tops of important geologic markers are as follows:

<u>ZONE</u>	<u>TOP</u>	<u>CONTENT</u>
Surface Water	0-420'	Water
Rustler Anhy.	420'	---
Salado Salt	450'	---
Base Salt	785'	---
Yates S. S.	1160'	---
Seven Rivers Dol.	1430'	---
Base Capitan Reef	3100'	---
Deleware	3980'	---
Bone Springs	5750'	---
Wolfcamp Sh.	9330'	Oil, Gas, Water
Strawn	10,380'	Gas
Atoka	10,810'	Gas
Morrow	10,928'	Gas
Morrow Clastics	11,328'	Gas
Barnett Sh.	11,700'	

2. The estimated depths at which water, oil, or gas will be encountered are shown above in No. 1.

3. A drawing of an API series ¹⁵⁰⁰~~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.

4. The proposed casing program is as follows:

0'-850':	13 3/8",	48#,	H-40,	ST & C
0'- 3250 ³⁰⁰⁰ :	9 5/8",	36#,	K-55,	ST & C
0'-5600':	7",	26#,	K-55,	BTRC
5600'-8700':	7",	26#,	L-80,	LT & C
8700'-12,000':	7",	29#,	L-80,	LT & C

5. The proposed mud program is as follows:

0' - 420':	8.3 - 8.5	Fresh water
420' - 850':	10.0 - 10.1	Brine water
850' - 3250 ³⁰⁰⁰ :	8.3 - 8.5	Fresh water
3250' - 9000':	9.0 - 9.3	Cut brine
9000' - 12,000':	9.7 - 10.0	Brine gel