

**ATTACHMENT TO FORM 3160-3  
JADE 34 FEDERAL COM #2  
SECTION 34, T19S, R33E  
LEA COUNTY, NEW MEXICO**

**DRILLING PROGRAM**

**1. GEOLOGIC NAME OF SURFACE FORMATION**

Quaternary Aeolian Deposits

**2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS**

Rustler Anhydrite	1,250'	Strawn	12,100'
Salado Salts	1,590'	Atoka	12,415'
Yates	3,015'	Morrow	12,956'
Delaware	5,155'	TD	13,700'
Bone Spring	7,850'		
Wolfcamp	10,950'		

**3. ESTIMATED DEPTHS OF ANTICIPATED FRESH WATER, OIL, OR GAS**

Delaware	Oil	Atoka	Gas
Bone Spring	Oil	Morrow	Gas
Strawn	Gas		

**4. CASING AND CEMENTING PROGRAM**

<u>Casing Size</u>	<u>From</u>	<u>To</u>	<u>Weight</u>	<u>Grade</u>	<u>Joint</u>
16"	0 - 1,000'		65#	H40	STC
16"	1,000' - 1,250'		75#	J55	STC
11-3/4"	0' - 3,600'		65#	S95	BTC
8-5/8"	3,400' - 4,500'		32#	J55	STC
8-5/8"	4,500' - 5,250'		32#	S80	STC
5-1/2"	0' - 2,400'		17#	N80	BTC
	2,400' - 10,200'		17#	N80	LTC
	10,200' - 13,700'		17#	S95	LTC

Equivalent or adequate grades and weights of casing may be substituted at time casing is run, depending on availability.

We plan to drill an 18-1/2" hole to equal 1,250'. 16" casing will be cemented with 500 sx or volume necessary to circulate to surface. We will then drill a 14-3/4" hole to 3,600', set and cement casing using 1,500 sx of cement. A contingency 8-5/8" casing liner will be set in a 10-5/8" hole at 5,250' using 500 sx of cement.

5-1/2" production casing will be cemented with approximately 500 sx of Class "H" 50/50 POZ and 1,200 sx Class "H" 35/65 Poz "H" cement.