

SUPPLEMENTAL DRILLING DATA

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WELL #1 SCHALK FEDERAL COM 33
660' FSL & 1980' FEL SEC. 33-22S-28E
EDDY COUNTY, NEW MEXICO

1. SURFACE FORMATION: Silty loam soils of Quaternary Age

2. ESTIMATED GEOLOGIC TOPS:

Base Salt	1920'	3rd Bs Sd	9080'
Top Delaware	2510'	Wolfcamp	9620'
Cherry Canyon	3630'	Strawn	11130'
Bone Spring	6020'	Atoka	11370'
1st Bs Sd	7060'	Morrow	12050'
2nd Bs Sd	7780'	Barnett	12660'

3. POSSIBLE WATER AND HYDROCARBON BEARING ZONES:

Water:	Above 300'
Oil:	Bone Spring
Gas:	Atoka, Morrow

4. PROPOSED CASING PROGRAM:

<u>Size</u>	<u>Interval</u>	<u>Weight</u>	<u>Grade</u>	<u>Joint</u>
13 3/8"	0 - 400'	48.0#	H-40	STC
9 5/8"	0 - 2600'	36.0#	K-55	STC
7"	0 - 600'	23.0#	N-80	BUTT
	600 - 5600'	23.0#	N-80	LTC
	5600 - 9000'	23.0#	S-95	LTC
	9000 - 11000'	26.0#	S-95	LTC
4 1/2"	10500 - 13000'	13.5#	S-95	LTC

5. PRESSURE CONTROL EQUIPMENT: Blowout preventer stack will consist of an annular-type preventer and a dual ram-type preventer with 5000 psi working pressure. A sketch of BOP is attached.