

SUPPLEMENTAL DRILLING DATA

JAKE L. HAMON
WELL #1 UNION 35 FEDERAL
1980' FNL & 660' FWL SEC. 35-22S-28E
EDDY COUNTY, NEW MEXICO

1. SURFACE FORMATION: Silty loam soils of Quaternary Age.

2. ESTIMATED GEOLOGIC TOPS:

Base Salt	2100'	3rd Bs Sd	9200'
Top Delaware	2700'	Wolfcamp	9800'
Cherry Canyon	3800'	Strawn	11300'
Bone Spring	6200'	Atoka	11500'
1st Bs Sd	7250'	Morrow	12200'
2nd Bs Sd	7900'	Barnett	12800'

3. POSSIBLE WATER AND HYDROCARBON BEARING ZONES:

Water: Above 300'
Oil: Bone Spring, Wolfcamp
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.