

SUPPLEMENTAL DRILLING DATA

CHAMA PETROLEUM COMPANY
WELL #1 HUBER FEDERAL
NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 3-20S-25E
EDDY COUNTY, NEW MEXICO

1. SURFACE FORMATION: Permian (Queen Formation).

2. ESTIMATED TOPS OF GEOLOGIC MARKERS:

San Andres	830'	Canyon	8245'
Glorietta	2388'	Strawn	8525'
Abo	3770'	Atoka	8890'
Wolfcamp	6552'	Morrow	9300'
Cisco	7750'	Chester	9600'

3. ANTICIPATED POROSITY ZONES:

Water: 950--1100'
Oil: San Andres, Cisco
Gas: Atoka, Morrow

4. CASING DESIGN:

<u>Size</u>	<u>Interval</u>	<u>Weight</u>	<u>Grade</u>	<u>Joint</u>	<u>Condition</u>
13 3/8"	0 - 350'	48.0#	J-55	STC	New
8 5/8"	0 - 1350'	24.0#	J-55	STC	New
4 1/2"	0 - 1400'	11.6#	N-80	LTC	New
	1400 - 8600'	11.6#	J-55	STC	New
	8600 - TD	11.6#	N-80	LTC	New
5 1/2" *	0 - 1050'	17.0#	N-80	LTC	New
	1050 - 8550'	17.0#	J-55	STC	New
	8550 - TD	17.0#	N-80	LTC	New

* Alternate Production String

5. SURFACE CONTROL EQUIPMENT: One annular and two ram-type preventers (900 Series). BOP Sketch attached.

6. DRILLING FLUID:

0 - 350' Fresh water.
350 - 8500' Fresh water with gel or lime as necessary for viscosity.
8500 - TD Salt water conditioned as necessary for control of viscosity and water loss.