

SUPPLEMENTAL DRILLING DATA

TENNECO OIL COMPANY  
WELL #1 FEDERAL HJ-27  
SW¼NW¼ SEC. 27-19S-31E  
EDDY COUNTY, NEW MEXICO

1. SURFACE FORMATION: Sandy soils of Quaternary Age.

2. ESTIMATED TOPS OF GEOLOGIC MARKERS: (Elev. 3473' G.L.)

Anhydrite	650'	Bone Spring	6900'
Salt	900'	1st Bone Spring Sd	8200'
Salt Base	2120'	2nd Bone Spring Sd	8830'
Yates	2290'	3rd Bone Spring Sd	9800'
Capitan Reef	2450'	Wolfcamp	10330'
Reef Base	4000'	Cisco	10600'
Delaware	4400'	Strawn	11100'

3. ANTICIPATED POROSITY ZONES:

Fresh Water: Above 200'

Oil: Yates, Capitan Reef, Delaware, Strawn

4. CASING DESIGN:

<u>Size</u>	<u>Interval</u>	<u>Weight</u>	<u>Grade</u>	<u>Joint</u>
20"	0 - 30'			
13 3/8"	0 - 700'	54.5#	K-55	STC
8 5/8"	0 - 2100'	24.0#	K-55	STC
	2100 - 4000'	32.0#	K-55	STC
5 1/2"	0 - 2300'	17.0#	N-80	LTC
	2300 - 6600'	15.5#	K-55	LTC
	6600 - 8800'	17.0#	K-55	STC
	8800 - 11500'	17.0#	N-80	LTC

5. SURFACE CONTROL EQUIPMENT: Blowout preventer stack will consist of one annular and two ram-type preventers. POP Sketch is attached.