

## SUPPLEMENTAL DRILLING DATA

JACK PLEMONS  
WELL #7 McFADDEN FEDERAL  
1650' FNL & 990' FEL SEC. 3-19S-31E  
EDDY COUNTY, NEW MEXICO

1. SURFACE FORMATION: Quaternary.

2. ESTIMATED TOPS OF GEOLOGIC MARKERS:

Salt	860'	Queen	3340'
Base Salt	2325'	Penrose	3590'
Yates	2535'	Grayburg	3800'
Seven Rivers	2760'		

3. ANTICIPATED POROSITY ZONES:

Water	100 - 200'
Oil	2670 - 2800'
	3340 - 3400'
	3800 - 3925'

4. CASING DESIGN:

<u>Size</u>	<u>Interval</u>	<u>Weight</u>	<u>Grade</u>	<u>Joint</u>
8 5/8"	0 - 700'	24#	H-40	STC
5 1/2"	0 - 4000'	14#	K-55	STC

5. SURFACE CONTROL EQUIPMENT: A 600-Series double ram-type or annular BOP will be used.

6. CIRCULATING MEDIUM:

0 - 700'	Fresh water mud with gel or lime added as needed for viscosity control.
700 - TD	Salt water mud, conditioned as necessary for control of viscosity and water loss.

7. AUXILIARY EQUIPMENT: None considered necessary on shallow development well.

8. LOGGING PROGRAM: Gamma Ray Log will be run to TD.

9. ABNORMAL PRESSURES, TEMPERATURES OR GASES: None anticipated.

10. ANTICIPATED STARTING DATE: It is planned that operations will commence about September 1, 1983. Duration of drilling, testing and completing operations should be 2 to 6 weeks.