

SUPPLEMENTAL DRILLING DATA

J. T. HAILE PETROLEUM, LTD  
M & W FEDERAL #1  
SE/4 NW/4 SECTION 19-16S-29E  
EDDY COUNTY, NEW MEXICO

1. SURFACE FORMATION: Sandy soil of Quaternary Age.

2. ESTIMATED TOPS OF GEOLOGIC MARKERS:

Anhydrite	250'	Seven Rivers	920'
Salt	280'	Queen	1510'
Base Salt	620'	Penrose	1740'
Yates	770'	Grayburg	1900'

3. ANTICIPATED POROSITY ZONES:

Water: Above 150'  
Oil: Seven Rivers, Queen, and Grayburg

4. CASING DESIGN:

Size	Interval	Weight	Grade	Joint
8 5/8"	0 - 280'	24.0#	K-55	STC
4 1/2" / 5 1/2"	0 - 2500'	10.5 / 15.5#	J-55	STC

5. PRESSURE CONTROL EQUIPMENT: ~~An annular or~~ a Double Ram-Type preventer.

6. CIRCULATING MEDIUM:

0 - 280' Fresh water mud with gel orlime as needed for viscosity control.

280 - 1500' Brine water.

1500 - 2500' Salt water mud, conditioned as necessary for control of viscosity and water loss.

7. AUXILIARY EQUIPMENT: Drill string safety valve.

8. TESTING, LOGGING AND CORING PROGRAMS: No coring or DST's are planned. Electric logs will include a CNL-FDC w/GR.

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

10. ANTICIPATED STARTING DATE: It is planned that operations will commence about October 15, 1985. Duration of drilling, completion and testing operations should be 10-40 days.