

## SUPPLEMENTAL DRILLING DATA

MINERAL DEVELOPMENT INC.  
WELL #1 EXXON FEDERAL  
SE $\frac{1}{4}$ NW $\frac{1}{4}$  SEC. 22-8S-31E  
CHAVES COUNTY, NEW MEXICO

1. SURFACE FORMATION: Sandy soils of Quaternary Age.
2. ESTIMATED TOPS OF GEOLOGIC MARKERS:

Anhydrite	1440'	Pi Marker	3710'
Salt	1490'	P-1	3860'
Yates	1990'	P-2	3940'
Queen	2660'	P-3	4015'
San Andres	3160'	P-4	4060'
3. ANTICIPATED POROSITY ZONES:

Water:	Less than 200'
Oil:	3860' - 4070'
4. CASING DESIGN:

<u>Size</u>	<u>Interval</u>	<u>Weight</u>	<u>Grade</u>	<u>Joint</u>	<u>Condition</u>
8 5/8"	0 - 400'	24.0#	K-55	STC	New
4 1/2"	0 - 4200'	9.5#	K-55	STC	New
5. PRESSURE CONTROL EQUIPMENT: Two Ram-Type Preventors (600 Series).
6. CIRCULATING MEDIUM:

0 - 400' Fresh water with gel added if needed for viscosity.

400 - 3600' Fresh water, allowing chlorides to increase while drilling salt section, conditioned as necessary for control of viscosity and water loss.

3600 - 4200' Add salt gel to increase viscosity to 38-40 sec./qt.
7. AUXILIARY EQUIPMENT: Drill string safety valve.
8. TESTING, LOGGING AND CORING PROGRAMS: A DST in Slaughter zone is planned. Electric logs will include a DLL and some type of porosity log. No coring is planned.
9. ABNORMAL PRESSURES, TEMPERATURES OR GAS: None anticipated.
10. ANTICIPATED STARTING DATE: It is planned that operations will commence about November 25, 1982. Duration of drilling and completion operations should be 15 to 40 days.