

SUPPLEMENTAL DRILLING DATA

SIERRA OIL & GAS
WELL #1 SMITH FEDERAL
NW¼SE¼ SEC. 22-14S-27E
CHAVES COUNTY, NEW MEXICO

1. SURFACE FORMATION: Quaternary.

2. ESTIMATED TOPS OF GEOLOGIC MARKERS:

Seven Rivers	270'	San Andres	1350'
Queen	740'	Glorietta	2700'
Grayburg	1000'		

3. ANTICIPATED POROSITY ZONES:

Water: Above 150'
Oil: Queen, San Andres, Glorietta

4. CASING DESIGN:

<u>Size</u>	<u>Interval</u>	<u>Weight</u>	<u>Grade</u>	<u>Joint</u>
8 5/8"	0 - 260'	24.0#	K-55	STC
4 1/2" 5 1/2"	0 - 2800'	9.5# 14	K-55	STC

BWC

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

6. CIRCULATING MEDIUM: Fresh water mud conditioned as necessary for control of viscosity and water loss.

7. AUXILIARY EQUIPMENT: None considered necessary on this 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 upon approval. Duration of drilling, testing and completion operations should be one to four weeks.