

SUPPLEMENTAL DRILLING DATA

STEVENS OPERATING CORPORATION
WELL #2 HANAGAN FEDERAL
660' FNL & 1980' FEL SEC. 23-7S-26E
CHAVES COUNTY, NEW MEXICO

1. SURFACE FORMATION: Permian (Artesia Group).

2. ESTIMATED TOPS OF GEOLOGIC MARKERS:

Queen	435'	Wolfcamp	4865'
San Andres	885'	Pennsylvanian	5385'
Glorietta	2065'	Granite Wash	6255'
Abo	4185'		

3. ANTICIPATED POROSITY ZONES:

Water	150 - 200'
Oil	1300 - 1500'
Gas	4350 - 4550'
Gas	5400 - 5600'

4. CASING DESIGN:

Size	Csg	Interval	Weight	Class	Joint	Condition
11"	8 5/8"	0 - 900'	24.0#	K-55	STC	New
7 7/8"	4 1/2"	0 - 6300'	9.5#	K-55	STC	New

5. SURFACE CONTROL EQUIPMENT: A double ram-type preventer (900 series). A sketch of BOP stack is attached.

6. CIRCULATING MEDIUM:

0 - 900	Fresh water with gel added if needed for viscosity.
900 - TD	Salt water 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. Compensated Neutron-Formation Density s/Gamma Ray Log, 0-TD; Dual Laterolog, shoe to TD.

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

10. ANTICIPATED DATES: It is planned that operations will commence about April 2, 1982. Duration of drilling and completion operations should be 20 to 60 days.