

SUPPLEMENTAL DRILLING DATA

TRANSWESTERN GAS SUPPLY COMPANY
No.2 Pronghorn Federal
NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec.31-4S-22E
Chaves County, N.M.

NM 32335

The following items supplement Form 3160-3 in accordance with instructions contained in Onshore Oil and Gas Order No.1:

1. SURFACE FORMATION: Permian San Andres

2. ESTIMATED TOPS OF GEOLOGIC MARKERS:

San Andres - Surface	Abo - 2745'
Glorieta - 1140'	TD - 3400'
Tubb - 2292'	

3. ESTIMATED DEPTHS TO WATER, OIL OR GAS FORMATION:

Fresh Water - None (Water wells in this area have been unsuccessful)

Salt Water - 2300' to TD

Gas - 2800' to 3400'

4. PROPOSED CASING PROGRAM:

13-3/8" Casing - Set two joints with rat hole machine and grout to surface.

8-5/8" Casing - Set at 875'± and cement with 550'± sx to circulate to surface.

4-1/2" Casing - Set to Total Depth and cement with about 300 sx to isolate all water, oil and gas zones.

5. PRESSURE CONTROL EQUIPMENT: BOP stack will consist of double-ram BOP rated to 3000#WP. A sketch of the BOP is attached.

6. CIRCULATING MEDIUM: Hole for 13-3/8" conductor pipe will be drilled with a rat hole auger. Mud will be used as the circulating medium below 40'. Fresh water mud will be used to 875'. Salt gel mud will be used from 875' to TD.