

SUPPLEMENTAL DRILLING DATA

JFG ENTERPRISE
WELL #2 BROWN CROW FEDERAL
330' FSL & 660' FEL SEC. 21-17S-30E
EDDY COUNTY, NEW MEXICO

1. SURFACE FORMATION: Sandy soils of Quaternary Age.

2. ESTIMATED TOPS OF GEOLOGIC MARKERS: (Ground Elevation - 3625')

| | | | |
|-----------|-------|------------|-------|
| Anhydrite | 350' | Queen | 2325' |
| Salt | 500' | Grayburg | 2725' |
| Base Salt | 1200' | San Andres | 3075' |
| Yates | 1375' | | |

3. ANTICIPATED POROSITY ZONES:

Oil: Seven Rivers, Queen, Grayburg & San Andres

4. CASING DESIGN:

| <u>Size</u> | <u>Interval</u> | <u>Weight</u> | <u>Grade</u> | <u>Joint</u> |
|-------------|-----------------|---------------|--------------|--------------|
| 8 5/8" | 0 - 450' | 24# | J-55 | STC |
| 5 1/2" | 0 - 3850' | 14# | J-55 | STC |

5. PRESSURE CONTROL EQUIPMENT: Double Ram-Type Preventer.

6. CIRCULATING MEDIUM:

0 - 450' Fresh water mud with gel or lime as needed for viscosity control.

450 - 2325' Brine water.

2325 - 3850' Salt water mud, conditioned as necessary for control of viscosity, pH, 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:

A. Road and pad construction: upon approval.

B. Spudding well: August 16, 1985.

C. Duration of drilling and completion operations should be 2 to 6 weeks.