

SUPPLEMENTAL DRILLING DATA

JFG ENTERPRISES
WELL #1 PHILLIPS FEDERAL
SE $\frac{1}{4}$ SE $\frac{1}{4}$ SEC. 1-26S-29E
EDDY COUNTY, NEW MEXICO

1. SURFACE FORMATION: Sandy soils of Quaternary Age.
2. ESTIMATED TOPS OF GEOLOGIC MARKERS (G.L. Elevation 3028'):

| | | | |
|-----------------|-------|---------------|-------|
| Base Lower Salt | 3100' | Cherry Canyon | 4250' |
| Delaware Lime | 3300' | Brushy Canyon | 5550' |
| Delaware Sand | 3340' | Bone Springs | 7050' |
3. POSSIBLE HYDROCARBON BEARING ZONES:

| | |
|---------------|-----------|
| Bell Canyon | Oil & Gas |
| Cherry Canyon | Oil |
| Brushy Canyon | Oil |
4. CASING DESIGN:

| <u>Size</u> | <u>Interval</u> | <u>Weight</u> | <u>Grade</u> | <u>Joint</u> |
|-------------|-----------------|---------------|--------------|--------------|
| 8 5/8" | 0 - 400' | 24.0# | J-55 | STC |
| 5 1/2" | 0 - 5400' | 14.0# | J-55 | STC |
| | 5400 - 6500' | 15.5# | J-55 | STC |
5. PRESSURE CONTROL EQUIPMENT: Two Ram-Type Preventors. A sketch of BOP stack is attached.
6. CIRCULATING MEDIUM:

| | |
|-------------|---|
| 0 - 400' | Fresh water with gel or lime as needed for viscosity. |
| 400 - 6500' | Brine 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. Electric logs will include a Compensated Neutron Log with Gamma Ray.
9. ABNORMAL PRESSURES, TEMPERATURES OR GASES: None anticipated.
10. ANTICIPATED STARTING DATE: It is planned that operations will commence about January 28, 1985. Duration of drilling, testing, and completion operations should be 3 to 8 weeks.