

DRILLING PROGRAM

→ D.L. Cook '24' Fed #1

WELL NAME: D. L. COOK 1-24 D. L. COOK FED.

LOCATION: 990 FNL, 1980 FEL, SEC. 24: NW $\frac{1}{4}$ NE $\frac{1}{4}$: T24S, R25E.

ELEVATION: 3883' GR

SURFACE FORMATION: Tansill FORMATION AT TD: DELAWARE

LITHOLOGY: SHALE AND SANDSTONE.

MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL EQUIPMENT: SEE
ATTACHED SCHEMATIC DIAGRAM OF B. O. P. 120' of 7 $\frac{5}{8}$ " conductor

CASING PROGRAM: SURFACE TO 2,000 FEET, 4 $\frac{1}{2}$ " K-55, 11.6#, 6 $\frac{3}{4}$ " bore
CEMENT TO SURFACE, EST. 165 sks. G CEMENT.

MUD PROGRAM: NONE - AIR DRILLING, SOAP AS NEEDED TO CONTROL
WATER.

LOGGING PROGRAM: DUAL INDUCTION, COMP. NEUTRON & DENSITY.

CORING: NONE ANTICIPATED AT THIS TIME.

TESTING: POTENTIAL OPEN HOLE DST IF NECESSARY TO EVALUATE
ZONE.

EXPECTED BOTTOM HOLE PRESSURES: 100 to 200#

DRY HOLE: PLUG AND ABANDON TO FEDERAL AND STATE SPECIFICATIONS.

SURFACE FACILITIES: SEE PRODUCTION FACILITIES SCHEMATIC.

D.L. Cook will:

- set $\pm 20'$ of 7 $\frac{5}{8}$ " conductor.
- drill out and to T.D. w/ 6 $\frac{3}{4}$ " bit. 3 $\frac{1}{4}$ " instead of 1"
- set 4 $\frac{1}{2}$ " (coup. o.d. is 5") to base of Capitan (that is, just scratching Delaware), and cement to surface.
- drill out from under 4 $\frac{1}{2}$ " csg. w/ ± 3 " bit to $\pm 200'$ into Delaware.
- if hydrocarbons are encountered, go w/ open-hole completion.