

SUPPLEMENTAL DRILLING DATA

POGO PRODUCING COMPANY

RUTH FEDERAL WELL NO.1

1. SURFACE FORMATION: Quaternary

2. ESTIMATED TOPS OF GEOLOGIC MARKERS:

Rustler Anhydrite	350'
Delaware Lime	2950'
Bell Canyon	3000'
Cherry Canyon	3900'

3. ANTICIPATED POSSIBLE HYDROCARBON BEARING ZONES:

Cherry Canyon	Oil
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4. PROPOSED CASING AND CEMENTING PROGRAM:

8-5/8" 24# K-55 ST&C casing is to be set at approximately 450 feet in 11" hole. Casing to be cemented with 200 sacks of Light cement tailed in with 200 sacks of Class "C" with 2% CaCl. Cement to circulate.

5-1/2" 15.5# K-55 ST&C casing is to be set at 5500 feet in 7-7/8" hole. Casing is to be cemented with 500 sacks of Light cement tailed in with 200 sacks of Class "C" cement. Cement to circulate.

5. PRESSURE CONTROL EQUIPMENT:

Blow out prevention equipment, while drilling below the 8-5/8" casing seat, will be a 3000 psi working pressure BOP stack. A BOP sketch is attached.

6. CIRCULATING MEDIUM:

Surface to 450 feet: Fresh water spud mud. Viscosity 30 to 36 as required for hole cleaning.

450 feet to T.D.: Water base drilling fluid conditioned as necessary for control of weight, viscosity, pH, and