

(6) Estimated Tops of Geologic Markers:

Rustler	1365'
Yates	3170'
Seven Rivers	3360'
Queen	3790'

(7) Estimated Depths of Anticipated Water, Oil, Gas or Minerals:

3170 - 3210'	Yates	(Gas and Water)
3800 - 3860'	Queen	(Oil and Water)
3950 - 3980'	Queen	(Possible water)

(9) Amounts and Types of Cement:

9 5/8" - 215 sxs. Class C w/2% CaCl.
8 5/8" - 175 sxs. Class C w/2% CaCl.
4 1/2" - 230 sxs. Class C w/.5 of 1% CFR₂ & 3# salt/sx, plus 600 sxs
Halliburton Lite w/12#² Salt & 3/8# Flo Seal/sx.

(11) Mud Program:

0 - 450'	Fresh water with spud mud
450 - 3550'	Saturated brine water
3550 - 4000'	Saturated brine with salt water gel to effect water loss of 15 and viscosity 35 - 36.

Quantities and types of mud and weighting materials to be maintained
shall approximate the following:

40 sxs Paper	80 sxs Starch
25 sxs Fresh water Gel	10 sxs Caustic
3 sxs Lime	60 sxs Salt Water Gel

(12) Proposed Drillstem Tests:

None
Cores: none

Logging Program:
Compensated Density-Neutron and Forxo-Guard.

(13) Pressures:

No abnormal pressures anticipated.

(14) Anticipated Commencement Dates:

CSO - Federal No. 1 - October 10, 1978
CSO - Federal No. 2 - October 20, 1978

Duration of operation per well estimated at 10 days.

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INFORMATION COMM.
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