

SOLIDS CONTROL

Run available solids control equipment when possible, to control low gravity solids and mud weight.

DIRECTIONAL PLAN

Run deviation surveys every 500' minimum and at bit trips.

CASING DESIGN

<u>Casing Seat</u>	<u>Length</u>	<u>OD Size</u>	<u>Wt/ft</u>	<u>Grade</u>	<u>Joint</u>
500'	500'	8-5/8"	24	WC-50	ST&C
3700'	3700'	5-1/2"	15.5	K-55	ST&C
Tubing	3000'	2-3/8"	4.7	J55	EUE

All threads should be doped w/ Oil Center Research OCR-318 thread lubricant.

Test 8-5/8" casing to 500 psi before drilling out. Test 5-1/2" to 500 psi after bumping plug.

CASING INSPECTION, FLOAT EQUIPMENT AND CENTRALIZATION

8-5/8" Guide shoe, one joint and float collar. Centralize shoe and first two joints, then every fourth joint to surface. Threadlock float equipment. Inspect casing VTI, TP and FLD.

5-1/2" Guide shoe, one joint and float collar. Centralize shoe, middle of first two joints, and every 20' through the production intervals (Seven Rivers, Queen and Penrose). Threadlock all float equipment and bottom collar. Inspect casing with VTI, TP and FLD.

WELLHEAD EQUIPMENT

Bradenhead 8-5/8" SOW x 11" 2M w/ 2" LPO, 2M ball valve

Tubinghead 11" 2M x 7-1/16" 3M w/ 2" Flanged, 3M valve

Tree 7-1/16" 3M x 2-3/8" single master, crown valve, single wing and adjustable choke

RECEIVED

SEP 11 1995

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OFFICE**