

Intermediate Casing (Lost Circulation - Capitan Reef): (continued)

First Stage: mixed at 14.0 PPG, yield of 1.53 Cf/sack.
(continued) An estimated 775 sacks will be required.
Immediately after landing the first stage
wiper plug, the pin packer is to be set
and the DV tool opened. The hole is to
be circulated out to remove any excess cement
that may be above the pin packer.

Second Stage: Cement the upper stage of the 8 5/8"
casing with Trinity "Lite Wate" cement
mixed at 12.8 PPG, yield 1.45 CF/sack.
An estimated 1025 sacks will be required.
A W.O.C. time of 24 hours will be observed
after the second stage plug is down.

Prior to drilling the float collar the 8 5/8" casing is
to be displaced with fresh water and pressure tested to
1000 psi for 30 minutes. After drilling the float shoe
the casing is again to be tested to 1000 psi for 30 minutes.

Production Casing:

7 7/8" hole is to be drilled from below the 8 5/8" casing
point to total depth using a fresh water with flo-sal
when required, viscosity of 32 to 34 seconds. Prior to
drilling the Strawn, or about 10700', potassium chloride
is to be added to the drilling fluid; from 2% to 4% will
be required. Minimum drilling fluid weights, sufficient
to control the well, are to be used to total depth. 5 1/2"
OD casing is to be set at total depth and is anticipated
as follows:

No Jts	Description	Thds Off		
		Length	From	To
--	Rotary correction	13	0	13
75	5 1/2" OD 17#/ft N-80 Buttress csg	2980	13	2993
168	5 1/2" OD 17#/ft N-80 LT&C casing	6703	2993	9696
74	5 1/2" OD 17#/ft S-95 LT&C casing	2960	9696	12656
--	Float collar	2	12656	12658
1	5 1/2" OD 17#/ft S-95 LT&C casing	40	12658	12698
--	Float shoe*	2	12698	12700

*The float shoe is to be equipped with lateral
exits as it is intended to rest part of the
casing weight on bottom.

The bottom three (3) joints are to be sealed with HOWCO-
weld. API modified thread lubricant is to be used on
casing threads. Casing centralizers are recommended to
be included over any pay zones in conjunction with sand
blasting to remove mill scale and lacquer.

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