

MARALO, INC.
FEDERAL-CARSON NO. 1
CHAVES COUNTY, NEW MEXICO

Intermediate Casing (Cont'd):

lime for pH control. A flosal sweep should be used to insure clean hole conditions.

Casing setting as follows (assuming 3350' as setting depth):

Description	Thds Off Length	From	To
Rotary Correction	11	0	11
8 5/8" OD, 24#/ft, K-55, ST&C Csg	2135	11	2146
8 5/8" OD, 24#/ft, K-55, (ST Collar X LT Pin)	40	2146	2196
8 5/8" OD, 32#/ft, K-55, LT&C Csg	1110	2196	3306
Float Collar	2	3306	3308
8 5/8" OD, 32#/ft, K-55, LT&C Csg	40	3308	3348
Float Shoe, Howco down jet *	2	3348	3350

(NOTE: 32#/ft casing is to be drifted for 7 7/8" bit)

* Float shoe is to have lateral exits for cement as it is intended to rest part of casing weight on bottom.

The bottom three (3) joints are to be sand blasted to remove mill scale and lacquer and, in addition, are to be welded and sealed with Howco-weld A. Positive type centralizers are to be used; one set on each of the bottom three (3) joints. API modified thread lubricant is to be used on casing threads.

Prior to running the 8 5/8" OD casing a volume meter is to be run to determine the actual cement volume required.

Casing is to be cemented with Halliburton light cement with 5# gilsonite and 10# salt per sack (slurry wt 12.9 PPG, slurry volume 1.963 CF/sack; 9.9 gal mixing water per sack; 3 hrs pumping time) followed by 300 sacks Class "C", 2% CaCl (slurry wt 15.0 PPG, slurry volume 1.31 CF/sack; 6.2 gal mixing water per sack; 3 hrs pumping time).

A W.O.C. of twelve (12) hours, after plug is down, will be observed.

Prior to drilling the float collar, the casing is to be displaced with 9.9 to 10.0 PPG brine water and pressure tested to 600 psi for 30 minutes. After drilling the float shoe, the casing is again to be tested to 600 psi for 30 minutes.

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OIL CONSERVATION COMM.
HOBBS, N. M.