CASING STRING DESIGN

DEPTH:

3600

TYPE:

Production

SIZE:

4-1/2"

MUD WEIGHT:

10.0

Description		Interval	Per	Weight Per Section	Cumm. Weight		Min. Streng			
10.5#,LT&C,K-55		0-3600	3600'	37,800#	37,800#		146K		3.86	
Collapse Force Resist		S.F.	Burst Force	Resist.	S.F.	Minimum Torque		Optin Torq		Maximum Torque
1872	4010	2.14	1740	4790	2.75	1100	1100			1825

Procedure:

Make up and run 4 1/2" casing as per the following:

- Clean exposed threads on the guide shoe, first joint of 4 1/2" casing, float collar, and second joint of casing. Apply Thread Lock to these connections prior to make-up.
 - The bottom assembly of the casing assembly must be made up as follows with the B. first listed being the first in the hole:

Note: Seal Lube will be applied to all conections not receiving Thread Lock.

- Guide shoe 1.
- First joint of 4 1/2" casing 2.
- Float collar
- 4 1/2" casing back to setting depth of 2950' (140' below the salt).
- Combination Tool (DV Tool with External Casing Packer) **5**.
- 4-1/2" casing back to surface.
- Install centralizers as follows on the 4-1/2" casing: C.
 - 10' above the guide shoe by means of a stop collar. 1.
 - Around the first coupling above the float collar. 2.
 - Every third coupling back to the combination tool. 3.
 - Around the coupling immediately below the combination tool. 4.
 - Around the coupling immediately above the combination tool. 5.
 - Every third coupling back to surface. Section 5 Page 2 of 2

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