

MYERS "B" NO. 4  
COOPER-JAL-JALMAT FIELD  
LEA COUNTY, NEW MEXICO

Mechanical

1. Casing String Design

<u>Size</u>	<u>Interval</u>	<u>Length</u>	<u>Description</u>	<u>Burst @ MW</u>	<u>Max. Tension</u>
13 3/8"	0-40	40	48#, H-40, STC	-	
*8 5/8"	0-1300	1300	24#, K-55, STC	2263 @ 10.0#	146
5 1/2"	0-3650'	3650	14#, K-55, STC	3308 @ 10.0#	105

\*Into the Rustler

2. Casing Design Properties

<u>Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Thread</u>	<u>Collapse</u>	<u>Burst</u>	<u>Tension</u>	<u>Torque</u>
13 3/8"	48	H-40	STC	-	-	-	-
8 5/8"	24	K-55	STC	1270	2310	146	3100
5 1/2"	14	K-55	STC	2820	3380	105	1400

3. Cementing Accessories

<u>Casing</u>	<u>Description</u>
8 5/8"	Guide shoe and float collar spaced two joints up. Latch centralizer in middle of first joint and next three joints. Thread lock all connections up through float collar. Use top and bottom wiper plugs.

Note: When drilling out of surface casing, do not exceed 15,000# WOB and 50 RPM.

5 1/2"	DJ float shoe and float collar spaced two joints up. Space centralizer in the middle of first joint and on each joint to 150' above the Seven Rivers expected at 3120'. Use top and btm. wiper plugs.
--------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

4. Cementation

<u>Casing</u>	<u>Cement Slurry</u>	<u>Fill and Excess</u>	<u>Sx</u>	<u>Wt.</u>	<u>Yield</u>
8 5/8"	Class "C" w/2% CaCl <sub>2</sub>	Surf + 100%	650	14.8	1.32
5 1/2"	1st stage - DV tool @ 2800' Class "C" w/6#/sk salt		150	14.8	1.32
	2nd stage - Class "C" w/3% Econolite (from Caliper)		90	11.4	2.69
	Class "C" w/6#/sk salt		200	14.3	1.32