

8. Casing Program and Setting Depths:

	<u>Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Setting Depth</u>
Surface	8 5/8"	23.4 #	M50 K55	500'
Production	5 1/2"	15.50#	// K55 <u>SJS</u>	3,750'

9. Casing Setting Depths and Cementing Program:

- A. Surface casing will be cemented to surface using Class "C" cement. Exact volumes and additives will be based on severity of lost returns historically experienced in this area. Top jobs will be performed as necessary to bring cement to surface.
- B. Production casing will be cemented to surface with Class "C" cement. If cement is not circulated a temperature survey will be run to determine cement top.
10. Prior to drilling below surface and intermediate casing, a BOP hook-up for 3,000 psi will be installed.
11. Circulating Media:

0 - 500'	FW Spud Mud
500 - 3,750'	Brine Water Starch

12. Testing, Logging, and Coring Program

- A. No drill stem test are planned.
- B. Open hole logs will be run at total depth.
- C. 60' of coring is planned, in DMG. SJS
13. Abnormal Pressure or Temperature and Hydrogen Sulfide Gas:
- A. No abnormal pressure or temperature is anticipated; however, BOP's, as specified in item 10 above will be installed.
14. Anticipated Starting Date:

Drilling operations should begin approximately November 21, 1990.

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