

Proposed Cementing Program:

Cement 13-3/8" casing with 440 sx Class "C" cement with 2% CaCl<sub>2</sub> (s.w. 14.8 ppg, yield 1.32 cuft/sx).

Cement 8-5/8" casing with 800 sx Class "C" with 4% gel and 2% CaCl<sub>2</sub>, s.w. 13.51 ppg, yield 1.74 ft<sup>3</sup>/sx, plus 200 sx Class "C" with 2% CaCl<sub>2</sub>; s.w. 14.8 ppg, yield 1.32 ft<sup>3</sup>/sx.

Cement 5-1/2" production casing (resin coated and centralized through pay zones) with Estimate 400 sx Super "C" Modified (15 #/sx Poz A and 11 #/sx CSE), 1% Salt, 1.1% FL-25 (s.w. 14.2 ppg, yield 1.35 ft<sup>3</sup>/sx).

5. Pressure Control Equipment: BOP's to be pressure test with the rig pump prior to drilling out the intermediate. See Exhibit #5 for BOP diagram. Use 13-5/8" 3000# annular preventor only to drill intermediate hole.

6. Mud Program:

<u>Depth</u>	<u>Type</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Waterloss</u>
0-400'	Fresh Water	8.5	40	N.C.
400'-2275'	Fresh Water	8.5	26	N.C.
2275'-4150'	Cut Brine	9.5	26	N.C.

7. Auxiliary Equipment: Upper Kelly Cock, Full Opening Stabbing Valve.

8. Testing Logging and Coring Programs:

- Logging: 2-man Mudlogging unit from 2275' to T.D.
- Electric Logs: Platform Express with CNL-LDT, DLL-MSFL, GR and Caliper.
- Coring: Rotary Sidewall between 2275' and 4150'.

9. Abnormal Pressure, Temperatures or Other Hazards: Lost circulation is anticipated in the surface. Maximum bottomhole pressure is estimated to be 1900 psig.

10. Anticipated Starting Date: March 1, 2000.