

Land 9-5/8" Casing. Cut off 9-5/8" casing and install 5000 psi casing spool. NU 5,000 psi BOP's and 3,000 psi Hydril. Pressure test BOP's to 5000 psi, Hydril to 2500 psi and casing to 1000 psi. Install Shorty rotating head and other equipment as per miscellaneous equipment program. Drill out cement, float equipment and 10' of new formation with 8-1/2" bit. Test casing seat to 11.5 ppg mud equivalent.

8-1/2" Hole to 13,800' <sup>+</sup>

Anticipate gas pressure from 13,100' to 13,800'. Run DST's as requested by geologist as per DST program, if there are any shows. No coring requested. Run log as per program at total depth.

Based on log evaluation, plug and abandon as per R.R.C. orders or run 5-1/2" production casing as per program. Pump 24 bbls Chemical Wash 100 followed by cement. Cement with 520 sxs of Class "H" Cement + 0.4 gal/sx D-180 (Fluid Loss Additive) + 0.2% D-65 (Turbulence Inducer), Water Ratio: 5.2 gals/sx, Slurry Weight: 15.6 ppg, Slurry Yield: 1.18 FT<sup>3</sup>/sx, Thickening Time: 3 hrs 37 mins @ 115° F, Compressive Strength: 2,665 psi in 24 hrs @ 140° F. Fluid Loss: less than 250 cc/30 mins. Displace cement at 6-8 BPM rate with KCL water. Bump plug with 500 psi over final pumping pressure. Cement volumes calculated using 40% excess in open hole for 2,500' of fill.

Test all cements prior to cementing casings. Have test results on location before cementing. Catch several dry samples and several wet samples during cementing operations. Forward charts and cement tests results to Jim Lawson in Conroe, Texas.

\* Salt section - as picked by mud logger