WOC 12 hrs, run temp log, nipple up, and test casing to 1500# for 30 min. Drill out cement & guide shoe, drill 8-1/2" hole to 11,350' with existing fuild. At 11,350' mud up with sepiolite/drispac system increasing fluid density to 11.5 to 11.9 ppg with barite. Maintain water loss at less than 10cc. Drill to 12,100' and circulate clean. Run logs and tie back in to previous logs. Be alert for kicks in this section of the hole.

Run 1500' of 7" 28.7# S-95 SF JP liner with TIW rotating liner hanger at 10,608'. Cement with 225 sxs Class "H" with .6% Halad 22A and .3% CFR-2 and 5# KCL per sx. Mix at 15.8#/gal for a yield of 1.2/sx calculated annular volume plus 50% excess.

While WOC change out collars and drillpipe to 3-1/2". WOC 12 hrs, run in hole with 8-1/2" cement mill and clean out to top of liner hanger, POH with mill and go in hole with 9-5/8" RTTS and set RTTS 150' above liner top. Pressure test liner top to 3000 psi for 30 minutes. If OK, pull RTTS out of hole. If liner top leaks, squeeze liner top thru RTTS, WOC 12 hours and repeat test. When liner top is satisfactory, clean out 7" liner with 6-1/8" cement mill and casing scraper to PBTD. POH and lay down mill & scraper. Go back in hole with bond log. After logging, GBIH with 6-1/8" bit and drill out casing shoe and 5' of formation. Circulate hole clean. If no gas is indicated circulate out mud with 10# brine water and circulate till hole is clean. Check for gas flow, if none indicated, start to unload hole with compressors. (Have new liquid mud on location treated for use in Morrow hole section should it be necessary to load hole in an emergency.) When hole dries up sufficiently, commence air drilling of Morrow section using 1100 CFM to start. Drill to 13,200' carefully monitoring hole conditions while drilling. Blow hole clean with air and, if well conditions permit, log this section of hole before loading with fluid. If excessive gas flow exists, load hole with low fluid loss brine gel/KCL polymer mud prior to logging.

Run 1300' of 4-1/2" 13.50# N-80 SFJ Hydril liner with TIW rotating liner hanger set @ 11,900'. Cement with 150 sxs Class "H" with .6% Halad 22A, .3% CFR-2, and 5# KCL/sx mixed at 15.8# for a yield of 1.2/sx. Calculated annular volume plus 50% excess.