

12. LD large OD drill collars. Run 9 5/8" 43.5# N80 LTC casing to surface. Cement as per design. Displace w/cut brine drilling fluid. Note: A two-stage job may be required if GE's determine possible pay in the Delaware.
13. Install 9 5/8" slip and seal type casing slips with 90% of casing weight on slips. If cement is two-staged, set full casing weight on slips. NU 13 5/8" - 5000 X 11" - 5000 casing head spool. Test to 2800 psi (50% collapse of 9 5/8"). NU BOPE as in No. 8. Test BOP to 10000 psi.
14. PU 8 1/2" bit w/ 6-1/2" DC. RIH to float collar. Test casing to 15.0 ppg equivalent prior to drilling cement (or DV tool if cement is two staged). Test is OK if pressure does not decrease more than 10% in 30 minutes. Drill cement and float equipment and 10' of new formation. Test shoe to 15.0 ppg equivalent. Record test on IADC report and TOC Daily Drilling Report.
15. Drill 8 1/2" hole thru the Wolfcamp-Cisco-Strawn interval. Offset wells have encountered high pressure-low volume gas zones thru this interval. Some wells have required mud weights of 14 - 15 ppg at 11000'. On the direct offset (Coquina Craft #1), the overpressure was encountered @ 10980' (which corresponds to about 11,100' in our well). Other wells have drilled this section w/lower mud weights while flaring gas thru a separator. Anticipate drilling out below 9 5/8" casing w/10# brine and gradually increase mud wt to 11 - 12 ppg at 11000'. Possibly we will take a kick if pressure is encountered, therefore, be prepared for a kick by checking all drilling breaks, conducting BOP drills, and making sure all equipment is working perfectly. TD is proposed at 11,800', but this is contingent on several factors mainly depending upon whether pressure is encountered. If pressure is not encountered, drilling can continue to 13000' with 10 - 12 ppg mud as conditions warrant. If pressure is encountered, a decision to set a drilling liner must be made at 11800' since Atoka pay is expected at 11950' (we do not want two strings of pipe covering this pay zone). Mud is to be Brine-Polymer-Gel-KCL from 10800' - 13000'.
16. If a drilling liner is to be set, use the following procedures:
 - A. CCM, SLM out of hole, log as per GE's at 11800'.
 - B. Condition hole for running liner.
 - C. Run 7" 26# S95 LTC liner w/300' of overlap in 9 5/8" csg. Rabbit DP while RIH. Break circulation prior to running liner inside open hole. Finish RIH w/liner. Use stripping rubber while running liner.
 - D. Circulate out gas and 2 hole volumes to clean out thick mud. Reciprocate liner while circulating. Hang liner 2' off bottom. Cement liner per design.
 - E. Pull 10 stands. Check flow. WOC as per SWD.
 - F. RIH w/8 1/2" bit. Drill out cement. POOH, LDDC. Test liner to 1000 psi w/RTTS. Differential test liner w/fresh water. Squeeze or repair as necessary.
 - G. LD 4 1/2" DP so as to only have 9000' for running in hole. Test BOP to 10000 psi.