

J. A. AKENS #10 WORKOVER PROCEDURE

1. MIRU PU. NU BOP. POH W/ RODS & PUMP. RLSE TAC. DROP SV. TEST TBG TO 4000 PSI. FISH SV. POH W/ 2-3/8" TBG.
2. RU WL CO. SET 5-1/2" CIBP @ 5250'. DUMP BAIL 35' CMT ON TOP.
3. RIH W/ 2-3/8" TBG TO 3530'. RU BJ. SPOT 200 GAL 15% NEFEHCL 3530-3330'. POH.
4. PERF QUEEN & PENROSE 3354-77', 3391-3412', 3422-37', 3480-3503', 3408-14', 3518-26' BY SCHLUMBERGER CNL-FDC LOG DATED 10-4-78 W/ 4" HSC, JRC 23 GC, 2 JSPF, 192 HOLES.
5. RIH W/ 5-1/2" LOK-SET PKR W/ PUMP OUT PLUG IN PLACE (SET TO SHEAR AT 4000 PSI) & SN ON 2-3/8" TBG. SET PKR @ 3300' W/ 15 PTS COMP. ND BOP. NU WH.
6. PRES UP ANNULUS TO 1000 PSI. BJ LOAD TBG W/ 10 GAL 2% KCL WTR FOLLOWED BY 527 GAL 15% NEFE HCL. PRES UP ON TBG. AS SOON AS PUMP OUT PLUG SHEARS, PUMP 2473 GAL 15% NEFEHCL DOWN TBG @ MAX RATE. MP 4000 PSI. DROP 100 7/8" 1.1 SG RCNBS SPACED EVENLY THROUGHOUT THE FIRST 1500 GAL. FLUSH W/ 125 SCF N2 @ MAX RATE USING 2 HIGH RATE PUMP TRUCKS. SD PUMPS & BLEED OFF N2 TO ALLOW BS TO UNSEAT. PUMP AN ADDITIONAL 125 MSCF N2 @ MAX RATE.
7. FLOW WELL TO TANK IMMEDIATELY AT MAX RATE. WHEN WELL CLEANS UP, TURN TO BATTERY FOR TEST RATE. RR. FLOW AT CONSTANT RATE FOR 3 DAYS.
8. RUN TANDEM 2000 PSI BOMBS (1 MECHANICAL & 1 ELECTRONIC) W/ DOWNHOLE SHUT IN TOOL ON SL TO PKR DEPTH. OBTAIN FLOWING GRADIENTS EVERY 700'. OBTAIN 2 HR FLOWING BHP & DEAD WT FTP. SHUT WELL IN DOWN HOLE & AT WELLHEAD. PULL BOMBS AFTER 72 HR SI. OBTAIN STATIC GRADIENT EVERY 700'.
9. IF NECESSARY, FRAC AS DIRECTED BY ENGINEERING.
10. MIRU PU. NU BOP. RLSE PKR & POH W/ 2-3/8" TBG. RIH W/ 5-1/2" RBP, 5-1/2" RDG PKR, & SN ON 2-3/8" TBG. SET RBP @ 3200' & TEST TO 4000 PSI. SPOT 2 SX SD ON TOP. POH.
11. RIH W/ 2-3/8" TBG TO 3065'. RU BJ. SPOT 100 GAL 15% NEFEHCL 3065-2965'. POH.
12. RU WL CO. PERF SEVEN RIVERS 2983-86', 2992-95', 3028-33', 3038-41', 3054-60' BY SCHLUMBERGER CNL-FDC DATED 10-4-78 W/ 4" HSC, JRC 23 GC, 2 JSPF, 40 HOLES.
13. RIH W/ 5-1/2" LOK-SET PKR W/ PUMP OUT PLUG IN PLACE (SET TO SHEAR AT 4000 PSI) & SN ON 2-3/8" TBG. SET PKR @ 2900' W/ 15 PTS COMP. ND BOP. NU WH.