



1001 17th Street
Suite 1600
Denver, CO 80202
July 27th, 2018

Appendix A Procedure

1. Notify the Silt BLM office & COGCC at least 48 hours before plugging operations commence. Ensure proper ground disturbance forms have been completed, one call for utility identification has been done and proper paper work is on location.
2. Hold a pre-job safety meeting. Discuss all aspects of the procedure with any involved personnel. Identify and address any safety concerns before the job begins.
3. MIRU workover unit. Kill well.
4. ND wellhead, NU BOP.
5. TOO H w/ tubing while scanning. Lay down any joints with visible holes or greater than 35% wall loss (Red Band).
6. RIH w/ 5 1/2" CIBP to 4,250'.
7. RIH w/ tubing and dump bail 17 sacks of Class G neat cement (15.8 lb./gal., 1.15 cu-ft./sk.) on top of CIBP @ 4,250'. Estimated TOC @ 4,100' (100' cement cap w/ 50' excess). TOO H w/ tubing.
8. Pressure test casing to 350 psi.
9. RIH with perf gun and shoot 4 squeeze holes at 1,220'. ROH and RDMO wireline.
10. TIH w/ tubing, bring on rig pumps, and establish circulation through squeeze holes up bradenhead annulus.
11. Pump 104 sacks of Class G neat cement (15.8 lb./gal, 1.15 cu-ft./sk.) cement into Perfs @ 1,220'. Puts 400' of cement above Perfs in Production Casing and Annulus @ 820'. TOO H w/ tubing.
12. RIH with perf gun and shoot 4 squeeze holes at 412'. ROH and RDMO wireline.
13. TIH w/ tubing, bring on rig pumps, and establish circulation through squeeze holes up bradenhead annulus.
14. Pump 42 sacks of Class G neat cement (15.8 lb./gal, 1.15 cu-ft./sk.) cement into Perfs @ 412'. Puts 150' of cement above Perfs in Production Casing and Annulus @ 262'.
15. POOH w/ tubing and spot 75' of Class G neat cement to surface (9 sxs.)
16. TOO H and lay down all tubing. RDMO workover unit and ND BOP.



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17. Perform top job with cement between 8-5/8" and 5-1/2" casing with 1" to surface. Spot 50' (+25' Excess) 13 sacks of Class G neat cement (15.8lb./gal, 1.15 cu-ft./sk.) into annulus.
18. Dig down around wellhead and cut off 4 feet below ground level. Top off with cement if needed.
19. Weld information plate to casing stub with 1/4" weep hole, take GPS readings of well information plate for regulatory agencies.
20. Back fill hole and release equipment. RDMO.



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API Number: 05-077-08623

Spud Date: 9/5/1991

GL Elevation: 6,475' +(9' KB)

TD: 4,505' MD PBTD: 4,459' MD

Conductor: No data of Conductor.

Surface Casing: 8 5/8" OD, 24 lb/ft, set at 362'. (No Grade)

Surface Casing Properties: ID: 8.097"
Drift ID: -
Collapse: -
Burst: -
Joint Yield Strength: -
Capacity: -
Capacity 8 5/8" casing x 12 1/4" hole: -
Top of Cement: Surface

Production Casing: 5 1/2" OD, 17 lb/ft, set at 4,505'. (No Grade)

Production Casing Properties: ID: 4.892"
Drift ID: -
Collapse: -
Burst: -
Joint Yield Strength: -
Capacity: -
Capacity 5 1/2" casing x 7 7/8" hole: -
Top of Cement: 2,462' (CBL)
*Bottom of Wasatch 1,220' (HR Milholland SR-1)

Perfs: 4,304' – 4,363' in the Corcoran Formation.

