

PLUG AND ABANDON

BW Musser #4

1. Note the deviation on the wellbore diagram for the 8-5/8" casing @ ~ 900'.
2. Test deadman anchors and replace as needed.
3. MIRU workover rig, pipe racks, catwalk, & pump.
4. Set both flow back & 400 bbl upright tanks. Fill the 400 bbl tank with KCL sub water.
5. Lay flowlines from the WH to the flow back tank.
6. RU CTU & N2 pumper. RIH and cleanout to PBTD, 2931'. (Slickline set down 2863')
7. RIH w/ swab and test for productivity.
8. Assuming negative flow test results, blow the well down to the tank and pump 11 bbl tbq kill volume.
9. ND the wellhead and NU up a 7-1/16", 5M double gate BOP equipped with 2-3/8" pipe rams. Function-test both the blind and pipe rams. Hook up the flow lines to the BOP.
10. Remove and LD the tbq hanger, release seal assembly from permanent packer, and POH.
11. Round trip a 7-7/8" bit & casing scraper to 2850', circulating clean.
12. MU a retrievable packer and TIH w/ 2-3/8" tbq to 2800'.
13. Set the packer and pressure test the backside 2-3/8" x 8-5/8" annulus to 500 psi for 10 minutes. Mechanical Integrity Test requires no more than 10% psi loss in 10 minutes.
14. RIH w/ swab and test for production. If unsuccessful, proceed with P&A procedure.
15. Contact BLM Little Snake Office with notice to P&A, as noted above.
16. Dig an 8'x8'x6' pit and fence the same to accommodate cement cleanup.
17. Release packer and POOH SB.
18. MU a CICR & TIH. Set retainer @ 2780'.
19. Rig up a cementer and establish a rate and pressure through the CICR. Sting out of the CICR and mix and spot 60 sacks of cement. Sting into the retainer and squeeze the perforations w/ 45 sacks below the CICR. Sting out, LD 2 joints and reverse out cement leaving a 50' cement plug on top of the retainer.
20. Pull and LD two more joints. Mix and circulate the hole full of 9ppg Poz/gel. 140 bbls will be required.
21. POH to 361' laying down tbq.
22. RU cementer, mix & spot 29 sack 100' balanced cement plug into 8-5/8" casing, from 361' to 261'.
23. Pull and LD two more joints. Mix and circulate the hole full of 9ppg Poz/gel. 10 bbls will be required.
24. ND the BOP and remove the tubing spool. Cutoff the wellhead.
25. RU cementer, MU 1" tubing and mix & spot 105 sacks cement into 8-5/8" casing, leaving a 361' surface plug. Also, 1" into the 10-3/4" x 8-5/8" annulus and circulate 12 sacks down for a 100' surface plug. Top off the casing & the annulus as needed.
26. Install a regulation dry hole marker three feet below restored ground level. Note the GPS coordinates of the wellbore location for future reference. Photograph the marker and attach to the subsequent sundry when filing with the BLM.
27. Backfill around the wellhead.
28. Rig down and move off all rig and rental equipment.
29. The location will be reclaimed later according to the government stipulations.