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Wexpro Company  
1955 Blairtown Road  
P.O. Box 458  
Rock Springs, WY 82902  
Tel (307) 352-7500  
Fax (307) 352-7575

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## **Plug & Abandonment Procedure Jacks Draw 16**

Notify BLM Craig Office, Marty O'Mara (970-826-5028), 48 hrs prior to plugging operations.

Notify State of Colorado, Kris Neidel (970-819-9609), 24 hrs prior to plugging operations.

1. Test deadman anchors and replace as needed.
2. MIRU workover rig, pipe racks, catwalk, pump, & tank.
3. Set 400 bbl upright tank. Fill the 400 bbl tank with fresh water.
4. Lay pump lines.
5. ND Radigan, Flow T, and stuffing box.
6. PU and unseat pump. LD pony rods and install polished rod.
7. Pump 30 bbls hot water down annulus.
8. POH LD polished rod, rods, and pump.
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 tbg hanger, release tubing anchor (set w/ 40K #'s tension), and POH.
11. Round trip a 4-3/4" bit & casing scraper to 2850', circulating clean.
12. Contact BLM Little Snake Office with notice to P&A, as noted above.
13. Dig an 8'x8'x6' pit and fence the same to accommodate cement cleanup.
14. MU a CICR & TIH. Set retainer @ 2696'.
15. Rig up a cementer and establish a rate and pressure through the CICR. Sting out of the CICR and mix and spot 50 sacks of cement. Sting into the retainer and squeeze the perforations w/ 44 sacks below the CICR. Sting out, LD 2 joints and reverse out cement leaving a 6 sack 50' cement plug on top of the retainer.
16. Pull and LD two more joints. Mix and circulate the hole full of 9ppg Poz/gel. 57 bbls will be required.
17. POH LD, SB 100' tbg.
18. ND the BOP and remove the tubing spool. Cutoff the wellhead.
19. TIH to 100'. RU cementer, mix & spot 12 sack 100' balanced cement plug into 5-1/2" casing, from 100' to surface.
20. POH LD the tbg.
21. Top off the casing & the annulus as needed.
22. Install a regulation dry hole marker three feet below restored ground level. Note the GPS coordinates of the wellbore location for future reference.

23. Backfill around the wellhead.
24. Rig down and move off all rig and rental equipment.
25. The location will be reclaimed later according to the government stipulations.