

Plug and Abandonment Procedure
Arnold #1
SENE Section 13, T2N, R64W
API# 05-123-11870

1. Provide 48 hr notice Form 42 to COGCC prior to rig up per Form 6 COA
2. Familiarize all personnel with allowed access to location and areas allowed to be disturbed.
3. Secure permission to access area and identify prospective well locations via satellite and survey data.
4. Verify well location and excavate well.
5. Once permission to begin work is secure, excavate area around well to sufficient size for safe access of casing, Verify casing size, cut off cap, weld on slip collar w/ wellhead and riser, set cellar ring and back-fill.
6. MIRU WO Rig, beam, doghouse, BOP, accumulator, rig pump, shaker tank, rig tank, 9.5ppg water-based mud, pipe float, 3-1/8" collars, 2-7/8" EUE work string, power swivel.
7. Make up BHA; 2 7/8 EUE string, 2x 3-1/8" drill collars, Float, POBS, 6.5" roller-cone bit.
8. RIH and drill out cement plugs from 0-7', and 681'-775'
9. Wash/Ream in 7-7/8" Open Hole to tag the cement plug at 6,592'. If tag depth is significantly different, call area Engineer for new plugging orders.
10. Circulate and condition hole.
11. TOOH, Laydown BHA.
12. RIH w/ 3-3/4" Tricone mill, XO, string float and wash/ream to 6592'.
13. MIRU cementers and pump 75sx 15.8ppg Class G Neat Cement from 6592'-6400'. Cement MUST be brought to at least 6400'. Displace and POOH through cement. Release cementers.
14. WOC 4 hours or otherwise advised by cementers and tag cement. If not tagged at or above 6400', contact engineer. May require additional cement.
15. POOH to 2500', circulate and condition hole. MIRU cementers and pump 45sx Class G Neat Cement from 2500'-2400'. Displace and POOH through cement.
16. WOC 4 hours or otherwise advised by cementers and tag cement. If not tagged at or above 2400', contact engineer. May require additional cement.

17. POOH to 1700', circulate and condition hole. MIRU cementers and pump 900sx Class G Neat cement from 1700'-1500'. Displace and POOH through cement.
18. WOC 4 hours or otherwise advised by cementers and tag cement. If not tagged at or above 1500', contact engineer. May require additional cement.
19. POOH to 850', circulate and condition hole. MIRU cementers and pump 95sx Class G Neat cement from 850'-600'. Displace and POOH through cement.
20. WOC 4 hours or otherwise advised by cementers and tag cement. If not tagged at or above 600', contact engineer. May require additional cement.
21. POOH to ~120' (4 standard jts tbg), circulate and condition hole. MIRU cementers and pump cement until returns taken to surface (45sks prescribed). Once good returns taken, SD cement and POOH. Top off as necessary.
22. RDMO Cementers, Rig, and supporting equipment. Tidy location and prep for reclamation.
23. After 5 days, verify TOC is within 5' of surface. Top off if needed. Excavate cellar ring and wellhead, cut off casing 6' below ground level and weld on cap with full legal description welded onto plate. Back fill hole.
24. Reclaim location.
25. Submit Form 6 Subsequent and Form 42 for completion of COA.