

Plug and Abandonment Procedure
Mile-Hi Duck Club- Pascoe #1
SWSW Section 6, T1S, R65W
API# 05-001-06992

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, 2-3/8" work string, power swivel.
7. Make up BHA; 2 3/8 EUE string, 2x 3-1/8" drill collars, Float, POBS, 3.75" roller-cone bit.
8. RIH and drill out cement plug from 0-128'.
9. Wash/Ream inside 4.5" Casing to 7,818'. Tag cement plug above sand. Contact COGCC if not tagged.
10. Circulate and condition hole.
11. TOOH, Laydown BHA.
12. MIRU Wireline Truck and run CBL from 7775' to surface. **If cement tops are different from "Before P&A" WBD, contact OGCC engineer and coordinate design adjustments.** RDMO Wireline.
13. Once TOC's are confirmed, RIH w/ tbg and perf sub/bull plug to 7150' and set 35sx Class G Neat balanced plug from 7150' to 6800'. POOH through plug and WOC for at least 4 hours. Tag and confirm depth. If cement is lower than 6800', contact COGCC engineer. POOH w/ tbg.
14. MIRU Wireline, MU perforating guns and RIH w/ 2' of 4spf squeeze hole guns and perforate bottom squeeze holes at 2500' (1 gun/4 holes), and top squeeze holes at 2400' (1 gun/4 holes).). POOH and make up and RIH w/CICR, set at 2450'. POOH and RDMO Wireline. MIRU cementers

15. MU 4.5" Cement retainer stinger tool on 2-3/8" tbg and RIH to 2450'. Sting into retainer and establish circulation. Once circulation established, pump 35sks Class G Neat cement. Pump 29sx through retainer, unsting and leave 6sx on top of retainer. POOH w/ tbg.
16. RU wireliners and RIH w/ 2' of 4spf squeeze hole guns and perforate bottom squeeze holes at 1650' (1 gun/4 holes), and top squeeze holes at 1300' (1 gun/4 holes). POOH and make up and RIH w/CICR, set at 1500'. POOH and RDMO Wireline. MIRU cementers
17. MU 4.5" Cement retainer stinger on 2-3/8" tbg and RIH to 1500'. Sting into retainer and establish circulation. Once circulation established, pump 150sks Class G neat cement (90sks through retainer, 60sks on top). RD cementers. POOH w/ tbg and LD stinger.
18. RIH open-ended to 336' and circulate. Pump cement until returns taken to surface (35sks prescribed). Once good returns taken, SD cement and POOH. Top off as necessary.
19. RDMO Cementers, Rig, and supporting equipment. Tidy location and prep for reclamation.
20. 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.
21. Reclaim location.
22. Submit Form 6 Subsequent and Form 42 for completion of COA.