



## **Woolley 42-7**

API# 05-123-23185  
SENE Sec 7-T1N-R68W  
Weld County, Colorado

## **P&A Procedure**

**DRAFT**

**December 29, 2017**

Engineer:	Jeanell Ries
Director, Engineering:	Emily Miller
Workover Superintendent:	Matt Rohret
VP, DJ Operations:	John Schmidt
Attachments:	Current Wellbore Diagram Proposed Wellbore Diagram

## **Safety**

Safety meetings are to be held with all service company personnel prior to each job. Wellsite supervisor must notify contractors as to known hazards of which the contractors may be unaware. Well site supervisor must ensure that all workers are aware of their responsibilities and duties under the EH&S guidelines. All safety meetings will be recorded on the Crestone Peak Resources daily completion reports in Wellview. Follow best practices for well control and proper handling of gas, oil and well fluids.

## **Regulations**

All verbal notifications and approval from government regulatory agencies will be recorded on the Crestone Peak Resources daily report. The name of the individual contacted and the subject matter of approval or notification will be recorded.

## **Reason for Work**

Sub-economic well.

- a) Casing to be pulled: 1800'
- b) Fish in hole: No
- c) Casing Leaks: None

## **Additional COGCC COAs**

**TBA based on COGCC approval of Form 6 Notice of Intent to Abandon.**

## **Objective**

Plug and abandon well.

## Procedure

**\*Note that there is a non-op well near our well to be P&A'd that has the same well name.**

1. Submit electronic Form 42 to COGCC 48 hours prior to performing Form 17 Bradenhead Test. (New test not required if Bradenhead Test has been completed within 6 months of plugging operations.)
2. Perform Form 17 Bradenhead Test and sample for gas, water, and oil per COGCC Regulation if required.
3. Submit electronic Form 42 to COGCC 48 hours prior to MIRU. Notify surface land and community relations 1 week prior to MIRU.
4. Submit form for Ground Disturbance Permit. Get One Call.
5. Rig supervisor to notify Automation and Production Department. Contact Production Department to coordinate LOTO and disconnect flowlines at separator. **Notify Integrity Department to properly abandon flowlines as per Rule 1103 by removing them or abandoning them in place.** Flowline should be flushed to tank before abandonment/removal. Confirm with engineer that surface land and community relations have been notified.
6. 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.
7. Ensure any fluids that will be left in the wellbore are treated with biocide. Treat every 100 bbls of water utilized for the operation with 5 gallons of XC1427 biocide
8. MIRU workover unit. ND wellhead, NU BOP.
9. TOOH w/tubing.
10. RU wireline and RIH with CIBP. Set at ~7475' (within 100' above Niobrara perms, between collars). POOH with wireline. Pressure test plug to 500 psi. Hold pressure for 15 min. Chart pressure on 1000 psi pressure chart. If recorder is unavailable, verify pressure test with gauge and time via photos.
11. TIH w/tubing, spot 2 bbl cement on top of CIBP. TOOH to 5500' (~100' below stage tool), and set balanced cement plug 5300-5500'. TOOH.
12. Cut 4-1/2" casing at 1800' with jet cutter. Pull casing with spear to first joint, remove casing slips. Circulate and clean open hole/annulus with SAPP and sweeps.
13. Spot 75 sx balanced G Neat stub plug. Trip out of hole laying down casing to 1000'.
14. Spot balanced MigraSeal (or similar) cement plug 1000' to 600'.
15. TOOH, laying down remainder of 4-1/2" casing.
16. RU wireline. RIH and tag TOC with gauge ring. Verify TOC is at least 100' inside 8-5/8" casing shoe. Set CIBP @ 600'. Dump bail 2 sx cement on top of CIBP.
17. TIH to spot balanced Type III cement plug from 80' to surface. TOOH laying down all tubing. Top off as necessary.
18. Contact EHS to FLIR wellhead to confirm no gas leaks/vapors. Safe FLIR video in wellfile.
19. ND BOP, RDMO pulling unit.

20. Per ground disturbance procedure/policy, excavate around wellhead. Notify Environmental Department for surface review and inspection while digging.
21. Cut off casing 4 ft below ground level.
22. Weld on metal plate and dry hole marker.
23. Restore surface location.
24. Ensure all pressure charts, CBLs, cement and wireline tickets are emailed to the office for subsequent reporting. Emails shall be sent to Production Engineer, Workover Coordinator, and Production Technician.
25. Submit Form 6 Subsequent Report of Abandonment documenting the P&A to COGCC.