

## WORKOVER PROCEDURE

**WELL NAME:** CENTENNIAL 32-33 **DATE:** 7/25/2016  
**LOCATION:**  
Qtr/Qtr: SW/NE Section: 33 Township: 5N Range: 63W  
Footages: 1880' FNL & 1950' FEL  
**COUNTY:** WELD **STATE:** CO **API #:** 05-123-21239

**ENGINEER:** Jon Lefor 7 Day Notice Sent:  
(Please notify Engineer of any major changes prior to work) Do not start operations until:  
Notice Expires:

**OBJECTIVE:** P&A

**WELL DATA:** Surface Csg: 8 5/8" 24#, J-55 @ 401' KB Elevation: 4542'  
Surface Cmt: 340 sx GL Elevation: 4530'  
Long St Csg: 4 1/2" 11.6#, N-80 @ 7365' TD: 7409'  
Long St Cmt: 240 sx PBTD: 6996'  
Long St Date: 1/2/2003

Plug Back (Sand or CIBP):  
Perforation Interval (1): J Sand Perforations 6910' - 6928'  
Perforation Interval (2): Dakota Perforations 7202' - 7234'  
Perforation Interval (3):  
Tubing: 2 3/8" 4.7# J-55 tbg @ 6903' Rods:  
Pump:  
Misc.:

**PRODUCTION STATUS:**  
**COMMENTS:** Provide 48 hr notice of plugging MIRU via electronic form 42.  
Abandon flowlines as per Rule 1103. File electronic form 42 once abandonment completed.

### PROCEDURE:

- 1) Prior to plugging operations, perform a bradenhead test. If any pressure remains at the conclusion of the test or any liquids were present call COGCC engineer for sampling requirements. Submit form 17 within 10 days.
- 2) MIRU Workover rig, pump & tank.
- 3) POOH w/ 2 3/8" tbg and lay down.
- 4) RIH w/ tubing-set CIBP. Set CIBP @ 6860', pump 60 sx on top to cover Nio.
- 5) POOH w/ workstring to 2500' and pump 20 sx courtesy plug.
- 6) Unland casing. Cut casing off @ 435'. POOH w/ casing laying down on trailer.
- 6) RIH w/ workstring to pump 200 sx stub/shoe plug where csg was pulled, cement to surface. If maintain circulation, no need to tag plug. 100' of cement is required, at least 50' in casing and at least 50' above csg, to be verified by tagging.
- 8) If circulation not maintained to surface then tag plug, must be at 351' or shallower, provide 10 sx plug at surface. Leave at least 100' of cement in the casing for each plug.
- 9) SI, WOC. RIH. Tag shoe plug. Add cement if needed.
- 10) Cut surface casing off 6'-8' below ground.
- 11) Clean up location. Reclaim location. RDMO.