

### WORKOVER PROCEDURE

**WELL NAME:** ANTHOLZ PC AB06-16 **DATE:** 8/25/2015  
**LOCATION:**  
Qtr/Qtr: SESE Section: 6 Township: 7N Range: 64W  
Footages: 690 FSL & 690 FEL  
**COUNTY:** WELD **STATE:** CO **API #:** 05-123-32110

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

**OBJECTIVE:** P&A

**WELL DATA:** Surface Csg: 8-5/8" 24# J-55 @ 851' KB Elevation: 5,008'  
Surface Cmt: 400 sx GL Elevation: 4,992'  
Long St Csg: 4-1/2" 11.6# P-110 @ 7,391' TD: 7,440'  
Long St Cmt: 600 sx PBDT: 7,390'  
Long St Date: 10/1/2010

Plug Back (Sand or CIBP): \_\_\_\_\_  
Perforation Interval (1): Niobrara Perforations: 7,004' - 7,198'  
Perforation Interval (2): Codell Perforations: 7,291' - 7,303'  
Perforation Interval (3): \_\_\_\_\_  
Tubing: 2-3/8" 6.5# J-55 @ 6,840' Rods: 6,525' of 3/4" & 250' of 1-1/4"  
Pump: RHAC 2 x 1-1/4 x 12 x 16 2 STAGE  
Misc.: \_\_\_\_\_

**PRODUCTION STATUS:** Well SI due to wellhead issues  
**COMMENTS:** \_\_\_\_\_

#### PROCEDURE:

- 1) MIRU Workover rig, pump & tank.
- 2) Unseat pump and POOH with rods and pump, laying down on trailer.
- 3) POOH w/ 2-3/8" tbg and lay down.
- 4) RU WL. RIH w/ CIBP. Set CIBP @ 6,954', dump bail 2 sx of cement on top.
- 5) RIH with CBL and confirm cement coverage from at least 2,300' to 2,600'.
  - a) If adequate cement coverage, pump a balance plug at 2,500' and continue to Step 8.
  - b) Otherwise, continue to Step 6.
- 6) RIH w/ perf gun. Perforate 4-1/2" casing @ 2,500' and 2,300'.
- 7) RIH w/ CICR. Set CICR @ 2,400'. Pump 40 sx through and 10 sx on top.
- 8) Unland casing. Cut casing off @ 1,650'. POOH with casing laying down on trailer.
- 9) RIH w/workstring, pump 125 sx stub plug where casing was pulled. If maintain circulation, no need to tag plug.
- 10) POOH w/ workstring to ~1011' and pump 335 sx shoe plug. Cement to surface.
- 11) SI, WOC. RIH. Tag shoe plug. Add cement if needed.
- 12) Cut surface casing off 6'-8' below ground.