

## WORKOVER PROCEDURE

**WELL NAME:** MCCARTHY FEDERAL 12-12 **DATE:** 7/15/2014  
**LOCATION:**  
Qtr/Qtr: SW/NW Section: 12 Township: 4N Range: 66W  
Footages: 1980' FNL & 555' FWL  
**COUNTY:** WELD **STATE:** CO **API #:** 05-123-14990

**ENGINEER:** JONATHAN POMERANTZ 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# @ 344' KB Elevation: 4725'  
Surface Cmt: 280 sx GL Elevation: 4714'  
Long St Csg: 4 1/2" 11.6# @ 7315' TD: 7320'  
Long St Cmt: 240 sx + 310 sx PBTD: 7269'  
Long St Date: 5/3/1991

Plug Back (Sand or CIBP): \_\_\_\_\_  
Perforation Interval (1): Niobrara Perforations 6880' - 7008'  
Perforation Interval (2): Codell Perforations 7192' - 7204'  
Perforation Interval (3): \_\_\_\_\_  
Tubing: 2 3/8" 4.7# J-55 tbg @ 7157' Rods: \_\_\_\_\_  
Pump: \_\_\_\_\_  
Misc.: Stage Tool @ 4685'

**PRODUCTION STATUS:** \_\_\_\_\_  
**COMMENTS:** \_\_\_\_\_

### PROCEDURE:

- 1) MIRU Workover rig, pump & tank.
- 2) POOH w/ 2 3/8" tbg and lay down.
- 3) RU WL. RIH w/ CIBP. Set CIBP @ 6830', dump bail 2 sx of cement on top.
- 4) RIH w/ workstring to 4800'. Pump 125 sx balance plug. SI, WOC. RIH. Tag balance plug @ approx 3200'.
- 5) RIH w/ workstring to 3000'. Pump 100 sx balance plug. SI, WOC. RIH. Tag balance plug @ approx 1600'.
- 6) RIH w/ perf gun. Perforate 4 1/2" casing @ 450'.
- 7) RIH w/ CICR. Set CICR @ 350'. Pump 140 sx through and 30 sx on top. Cement to surface.
- 8) SI, WOC. RIH. Tag shoe plug. Add cement if needed.
- 9) Cut surface casing off 6'-8' below ground.
- 10) Clean up location. Reclaim location. RDMO.