

## WORKOVER PROCEDURE

**WELL NAME:** HSR-Guttersen 2-4 **DATE:** 2/18/2016  
**LOCATION:**  
Qtr/Qtr: NWNE Section: 4 Township: 2N Range: 64W  
Footages: 660 FNL: & 2030 FEL  
**COUNTY:** WELD **STATE:** CO **API #:** 05-123-19151

**ENGINEER:** AJ Paine 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", 23# @ 809' KB Elevation: 4872'  
Surface Cmt: 565 sx GL Elevation: 4862'  
Long St Csg: 4 1/2", 11.6#, I-70 @ 7169' TD: 7176'  
Long St Cmt: 260 + 130 sx PBTD: 7108'  
Long St Date: 5/2/1996

Plug Back (Sand or CIBP): **Sand**  
Perforation Interval (1): Niobrara Perforations: 6799' - 6802'  
Perforation Interval (2): Codell Perforations: 7027' - 7032'  
Perforation Interval (3): \_\_\_\_\_  
Tubing: 2 3/8" @ 6997' Rods: \_\_\_\_\_  
Pump: \_\_\_\_\_  
Misc.: SN @ 6995', notched collar @ 6996'

**PRODUCTION STATUS:** SI. 290/590 tubing/casing.  
**COMMENTS:** Production can't payout wellhead replacement.

### PROCEDURE:

- 1) MIRU Workover rig, pump & tank.
- 2) POOH and laydown 2 3/8" tubing.
- 3) RU WL. RIH w/ CIBP. Set @ 6749'; dump bail 2 sx of cement on top.
- 4) RIH w/ workstring to pump 45 sx balance plug from 4650' - 4050'.
- 5) Unland casing. Cut casing off @ 2500'. POOH and laydown 4 1/2" casing.
- 6) RIH w/ workstring to pump 100 sx stub plug where casing was pulled. If maintain circulation, no need to tag plug.
- 7) POOH w/ workstring to 909'. Pump 310 sx shoe plug. 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.