

## WORKOVER PROCEDURE

**WELL NAME:** NATIONAL HOG FARMS 12-21      **DATE:** 4/21/2016  
**LOCATION:**  
Qtr/Qtr: SWNW      Section: 21      Township: 5N      Range: 63W  
Footages: 1980      FNL &      660      FWL  
**COUNTY:** WELD      **STATE:** CO      **API #:** 05-123-20809

**ENGINEER:** BRIAN ULMER      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 @ 404'      KB Elevation: 4,627  
Surface Cmt: 265 sx      GL Elevation: 4,615  
Long St Csg: 4-1/2" 11.6# N-80 @ 7355'      TD: 7,375  
Long St Cmt: 440 sx      PBTD: 7,316.0  
Long St Date: 5/17/2002

Plug Back (Sand or CIBP): **Sand**  
Perforation Interval (1): Codell Perforations: 6591' - 6601'  
Perforation Interval (2): J-Sand Perforations: 7012' - 7072'  
Perforation Interval (3): Dakota Perforations: 7311' - 7324'  
Tubing: 2-3/8" 4.7# J-55 @ 6592'      Rods: \_\_\_\_\_  
Pump: \_\_\_\_\_  
Misc.: \_\_\_\_\_

**PRODUCTION STATUS:** No sustained production in past 2 years. SI due to remediated environmental issue at tank battery.  
**COMMENTS:** Base of Fox Hills - 269'. Deepest water well within 1 mi - N/A.

### PROCEDURE:

- 1) MIRU Workover rig, pump & tank.
- 2) Unflange WH and POOH with production tubing.
- 3) RU WL. RIH w/ CIBP and set @ 7261'. Dump bail 2 sx cement on top.
- 4) RIH w/ CIBP and set @ 6962'. Dump bail 2 sx cement on top.
- 5) RIH w/ CIBP and set @ 6541'. Dump bail 2 sx cement on top.
- 6) Unland casing. Cut casing off @ 2500'. POOH w/ csg laying down on trailer.
- 7) RIH w/ workstring to pump 100 sx stub plug where csg was pulled. If maintain circulation, no need to tag plug.
- 8) POOH w/ workstring to 504'. Pump 200 sx shoe plug. Cement to surface.
- 9) SI, WOC. RIH. Tag shoe plug. Add cmt if needed.
- 10) Cut surface casing off 6-8' below ground.
- 11) Clean up location. Reclaim location. RDMO.