

**WORKOVER PROCEDURE**

**WELL NAME:** 70 RANCH 22-21 **DATE:** 4/19/2016  
**LOCATION:** Qtr/Qtr: SENW Section: 21 Township: 5N Range: 63W  
Footages: 1787 FNL & 2215 FWL  
**COUNTY:** WELD **STATE:** CO **API #:** 05-123-23851

**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 @ 457' KB Elevation: 4,615  
Surface Cmt: 320 sx GL Elevation: 4,603  
Long St Csg: 4-1/2" 11.6# M-80 @ 7395' TD: 7,405  
Long St Cmt: 530 sx PBTD: 7,377.0  
Long St Date: 6/10/2006

Plug Back (Sand or CIBP): Sand  
Perforation Interval (1): Niobrara Perforations: 6294' - 6395'  
Perforation Interval (2): Codell Perforations: 6550' - 6561'  
Perforation Interval (3): \_\_\_\_\_  
Tubing: 2-3/8" 4.7# J-55 @ 6533' Rods: \_\_\_\_\_  
Pump: \_\_\_\_\_  
Misc.: \_\_\_\_\_

**PRODUCTION STATUS:** No production in past 2 years. SI due to remediated environmental issue at tank battery.  
**COMMENTS:** Base of Fox Hills - 263'. Deepest water well within 1 mi - 50'.

- PROCEDURE:**
- 1) MIRU Workover rig, pump & tank.
  - 2) Unflange WH and POOH with production tubing.
  - 3) RU WL. RIH w/ CIBP and set @ 6244'. Dump bail 2 sx cement on top.
  - 4) Unland casing. Cut casing off @ 2500'. POOH w/ csg laying down on trailer.
  - 5) RIH w/ workstring to pump 100 sx stub plug where csg was pulled. If maintain circulation, no need to tag plug.
  - 6) POOH w/ workstring to 557'. Pump 200 sx shoe plug. Cement to surface.
  - 7) SI, WOC. RIH. Tag shoe plug. Add cmt if needed.
  - 8) Cut surface casing off 6-8' below ground.
  - 9) Clean up location. Reclaim location. RDMO.