

WORKOVER PROCEDURE

WELL NAME: NATIONAL HOG FARMS 21-21 **DATE:** 4/21/2016
LOCATION:
Qtr/Qtr: NENW Section: 21 Township: 5N Range: 63W
Footages: 660 FNL & 1980 FWL
COUNTY: WELD **STATE:** CO **API #:** 05-123-20815

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# @ 401' KB Elevation: 4,646
Surface Cmt: 285 sx GL Elevation: 4,634
Long St Csg: 4-1/2" 11.6# N-80 @ 7402' TD: 7,408
Long St Cmt: 431 sx PBTD: 7,165.2
Long St Date: 5/11/2002

Plug Back (Sand or CIBP): **CIBP @ 7250' with 13' cement on top**
Perforation Interval (1): Niobrara Perforations: 6332' - 6500'
Perforation Interval (1): Codell Perforations: 6590' - 6600'
Perforation Interval (2): J-Sand Perforations: 7026' - 7084'
Perforation Interval (3): Dakota Perforations: 7302' - 7346'
Tubing: 2-3/8" 4.7# J-55 @ 6582' 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 - 294'. Deepest water well within 1 mi - 400'.

- PROCEDURE:**
- 1) MIRU Workover rig, pump & tank.
 - 2) Unflange WH and POOH with production tubing.
 - 3) RU WL. RIH w/ CIBP and set @ 6976'. Dump bail 2 sx cement on top.
 - 4) RIH w/ CIBP and set @ 6282'. Dump bail 2 sx cement on top.
 - 5) Unland casing. Cut casing off @ 2500'. POOH w/ csg laying down on trailer.
 - 6) RIH w/ workstring to pump 100 sx stub plug where csg was pulled. If maintain circulation, no need to tag plug.
 - 7) POOH w/ workstring to 550'. Pump 200 sx shoe plug. Cement to surface.
 - 8) SI, WOC. RIH. Tag shoe plug. Add cmt if needed.
 - 9) Cut surface casing off 6-8' below ground.
 - 10) Clean up location. Reclaim location. RDMO.