

# REENTRY PROCEDURE

WELL NAME: FEDERAL PERRY 08-30 DATE: 5/29/2013  
LOCATION: Qtr/Qtr: SENE Section: 30 Township: 9N Range: 58W  
COUNTY: WELD STATE: CO API #: 05-123-14077

ENGINEER: Amanda Beck  
(Please notify Engineer of any major changes prior to work)  
7 Day Notice Sent: \_\_\_\_\_  
Do not start operations until: \_\_\_\_\_  
Notice Expires: \_\_\_\_\_

OBJECTIVE: Reenter and re-plug

WELL DATA: Surface Csg: 8 5/8" 24# 256' KB Elevation: \_\_\_\_\_  
Surface Cmt: 100 SX GL Elevation: 4859'  
Long St Csg: 7 7/8" open hole to TD TD: 6684'  
Long St Cmt: NA PBTD: \_\_\_\_\_  
Long St Date: NA  
Plug Info (1) 35 sx 6500' - 6600'  
Plug Info (2) 35 sx 1225' - 1325'  
Plug Info (3) 40 sx 216' - 296'  
Plug Info (4) 10 sx 30' to surface  
Tubing: \_\_\_\_\_ Rods: \_\_\_\_\_  
Pump: \_\_\_\_\_  
Misc.: Base Fox Hills 639'; deepest water well 1170'

WELL STATUS: Well Abandoned 12/16/88

COMMENTS: Plugging report states: Welded plate on top of surface; filled hole with 10 ppg mud

## PROCEDURE:

- 1) Survey and locate abandoned well, mark with stake
- 2) Excavate to expose top of surface casing
- 3) Weld 2" collar to top of 8 5/8" surface casing cap. Make up to collar, pneumatic drill with non-sparking bit. Drill out cap venting possible trapped gas.
- 4) Once verified that no gas exists beneath top of surface casing plate, cut off surface casing below plate with torch, dress up smooth.
- 5) Butt weld 8 5/8" casing to dressed cut, bringing threaded end of casing to ground level.
- 6) Make up to 8 5/8" casing, one 8 5/8" collar and 8 5/8" starter well head
- 7) NU flange adaptor and 5k BOP, test BOP.
- 8) NU and RIH with 6 7/8" cone bit, PU 2 7/8" drill collar, 2 7/8" 8.7# tubing, and TIW valve
- 9) Drill out first cement plug inside surface casing, roll hole clean. Verify top of next cement plug inside of surface casing by tagging.
- 10) If unable to verify isolation of surface casing with tag of cement plug, set RBP inside surface casing
- 11) Once isolation of surface casing is established, either with tagging of cement plug or setting of RBP, pressure test surface casing to 200psi
- 12) After pressure test of surface casing, retrieve RBP or continue drill out of cement plug under surface casing shoe.
- 13) Assume pressure under surface casing shoe, roll hole with kill fluid until well dead, or blow down.
- 14) Continue RIH, verify top of next cement plug @ 1225' by tagging
- 15) Continue drill out of cement plug, assume pressure under plug, roll hole with kill fluid until well dead, or blow down
- 16) Continue RIH, cleaning out with drilling mud or water to 3000'
- 17) TOO H with cone bit, drill collars, and 2 7/8" tubing.
- 18) PU and RIH with mule shoe and 2 7/8" tubing to 3000'.
- 19) RU cement crew and pump a balanced plug of 100sk 15.8 ppg Class G "neat" cement
- 20) POOH to 1320' (150' below deepest water well @ 1170')
- 21) RU cement crew and pump 491 sxs of 15.8ppg Class G "neat" cement bring cement to surface
- 22) POOH with 2 7/8" tubing. Wait 4 hrs, and tag TOC. If cement has fallen, top off back to surface
- 23) Let cement set over night, verify cement has not settled and is still at surface. RDMO
- 24) Excavate around wellhead to 8' below grade, cut off 8 5/8" casing, weld on cap
- 25) Backfill hole and reclaim surface to original conditions