

REENTRY PROCEDURE

WELL NAME: Sander 1 DATE: 10/11/2013
 LOCATION: Qtr/Qtr: SWSW Section: 30 Township: 6N Range: 64W
 COUNTY: WELD STATE: CO API #: 05-123-05206

ENGINEER: Ryan Olson 7 Day Notice Sent: _____
 (Please notify Engineer of any major Do not start operations until: _____
 changes prior to work) Notice Expires: _____

OBJECTIVE: Re-enter and re-plug

WELL DATA: Surface Csg: 10 3/4" set @ 366' KB Elevation: 4672'
 Surface Cmt: unknown GL Elevation: 4662'
 Long St Csg: NO PROD CSG TD: 8736'
 Long St Cmt: _____ PBDT: _____
 Long St Date: _____

Plug Info (1) 35 sk cmt plug set @ 8700'
 Plug Info (2) 35 sk cmt plug set @ 7374'
 Plug Info (3) 35 sk cmt plug set @ bottom of sur csg
 Plug Info (4) 10 sk cmt plug set @ surface

Tubing: _____ Rods: _____
 Pump: _____
 Misc.: Base Fox Hills @ 308', Deepest water well @ 185'

WELL STATUS: Well Abandoned 7/11/55
 COMMENTS: _____
 Unknown what was left at surface

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 10 3/4" casing to dressed cut, bringing threaded end of casing to ground level.
- 6) Make up to 10 3/4" casing, one 10 3/4" collar and 10 3/4" 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 surface 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, cleaning out with drilling mud or water to 3000'
- 15) TOOH with cone bit, drill collars, and 2 7/8" tubing.
- 16) PU and RIH with mule shoe and 2 7/8" tubing to 3000'
- 17) RU cement crew and pump a balanced plug of 100 sks 15.8 ppg Class G "neat" cement @ 3000'
- 18) POOH to 458' (150' below Fox Hills Base @ 308')