

REENTRY PROCEDURE

WELL NAME: GREY #1 DATE: 4/5/2013
 LOCATION: _____
 Qtr/Qtr: SESE Section: 4 Township: 8N Range: 59W
 COUNTY: WELD STATE: CO API #: 05-123-10256

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

OBJECTIVE: Reenter and re-plug

WELL DATA: Surface Csg: 8 5/8" 24# K-55 209' KB Elevation: _____
 Surface Cmt: 165 sx GL Elevation: 4808'
 Long St Csg: 7 7/8" open hole to TD TD: 6790'
 Long St Cmt: NA PBTD: 0
 Long St Date: NA

Plug Info (1) Filled well with 9.8 ppg mud
 Plug Info (2) 15 sx at base of surface casing
 Plug Info (3) 10 sx at surface
 Plug Info (4) _____

Tubing: _____ Rods: _____
 Pump: _____
 Misc.: Base Fox Hills 373', Deepest water well 1060'

WELL STATUS: Well Abandoned 5/7/81

COMMENTS: Plugging report states: No mention of Welded plate on top of surface; surface casing cut below grade

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, cleaning out with drilling mud or water to 3000'
- 15) TOO H 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 100sk 15.8 ppg Class G "neat" cement
- 18) POOH to 1150' (150' below deepest water well @ 1000')
- 19) RU cement crew and pump 427 sxs of 15.8ppg Class G "neat" cement bring cement to surface
- 20) POOH with 2 7/8" tubing. Wait 4 hrs, and tag TOC. If cement has fallen, top off back to surface
- 21) Let cement set over night, verify cement has not settled and is still at surface. RDMO
- 22) Excavate around wellhead to 8' below grade, cut off 8 5/8" casing, weld on cap
- 23) Backfill hole and reclaim surface to original conditions