

REENTRY PROCEDURE

WELL NAME: STATE 1-16A **DATE:** 1/16/2017
LOCATION:
Qtr/Qtr: SESE **Section:** 16 **Township:** 9N **Range:** 59W
COUNTY: WELD **STATE:** CO **API #:** 05-123-07275

ENGINEER: Dustin Stevens **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: 9 5/8" @ 230' KB Elevation: 4955'
Surface Cmt: GL Elevation: 4945'
Long St Csg: No Production Csg MD: 8110
Long St Cmt: PBTD:
Long St Date:

Plug Info (1) 20 sks at 230'
Plug Info (2) 10 sks at surface
Plug Info (3)
Plug Info (4)

Tubing: Rods:
Pump:
Misc.: *Base Fox Hills 836', Deepest water well 320'*

WELL STATUS: Well Abandoned 4/16/71
COMMENTS: LIMITED PLUGGING DATA ON RECORD, PROCEED WITH CAUTION
20 sks cement from 230' and 10 sks at surface

PROCEDURE:

- 1) Survey and locate abandoned well, mark with stake and take location photos
- 2) Excavate to expose top of surface casing
- 3) Weld 2" collar to top of 9 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 9 5/8" casing to dressed cut, bringing threaded end of casing to ground level.
- 6) Make up to 9 5/8" casing, one 9 5/8" collar and 9 5/8" starter well head
- 7) NU flange adaptor and 5k BOP, test BOP.
- 8) NU and RIH with 6 1/8" cone bit, PU 2 7/8" drill collar, 2 7/8" 6.5# tubing, and TIW valve
- 9) Drill out first cement plug inside surface casing, roll hole clean. Verify top of 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 200 psi.
- 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 100sk 15.8 ppg Class G "neat" cement
- 18) POOH to 986' (150' below base of Fox Hills @ 836')
- 19) RU cement crew and pump 400 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 9 5/8" casing, weld on cap