

REENTRY PROCEDURE

WELL NAME: _____ DATE: 11/7/2013
LOCATION: _____
Qtr/Qtr: NESW Section: 1 Township: 9N Range: 58W
COUNTY: WELD STATE: CO API #: 05-123-19652

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

OBJECTIVE: Re-enter and re-plug

WELL DATA: Surface Csg: 8 5/8" 24# set @ 386' KB Elevation: 4660'
Surface Cmt: 231 sks GL Elevation: 4650'
Long St Csg: NO PROD CSG (7 7/8" OH to TD) TD: 6372'
Long St Cmt: _____ PBTD: _____
Long St Date: _____

Plug Info (1) 40 sk cmt plug set @ 6319'
Plug Info (2) 40 sk cmt plug set from 386'-434'
Plug Info (3) 10 sk cmt plug set @ surface
Plug Info (4) _____

Tubing: _____ Rods: _____
Pump: _____
Misc.: Base Fox Hills @ 496', Deepest water well @ 1000'

WELL STATUS: Well Abandoned 7/14/98

COMMENTS: _____

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 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) 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 100 sks 15.8 ppg Class G "neat" cement
- 18) POOH to 1150' (150' below deepest water well @ 1000')
- 19) RU cement crew and pump a balanced plug of 50 sks 15.8 ppg Class G "neat" cement
- 20) POOH to 646'. RU cement crew and pump 280 sks of 15.8ppg Class G "neat" cement bring cement to surface
- 21) POOH with 2 7/8" tubing. Wait 4 hrs, and tag TOC. If cement has fallen, top off back to surface
- 22) Let cement set over night, verify cement has not settled and is still at surface. RDMO