

**REENTRY PROCEDURE**

**WELL NAME:** Motis # 1 **DATE:** 4/9/2014  
**LOCATION:**  
 Qtr/Qtr: NWNE Section: 1 Township: 9N Range: 58W  
**COUNTY:** WELD STATE: CO API #: 05-123-10878

**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# 98' KB Elevation: 4680'  
 Surface Cmt: 60 sks GL Elevation: 4670'  
 Long St Csg: 7 7/8" open hole to 6347', NO PROD CSG TD: 6347'  
 Long St Cmt: \_\_\_\_\_ PBTD: \_\_\_\_\_  
 Long St Date: \_\_\_\_\_

Plug Info (1) 15 sk cmt plug from 85'-115' (1/2 in sur csg and 1/2 outside sur csg)  
 Plug Info (2) 10 sk cmt plug from surface to 30'  
 Plug Info (3) \_\_\_\_\_  
 Plug Info (4) \_\_\_\_\_

Tubing: \_\_\_\_\_ Rods: \_\_\_\_\_  
 Pump: \_\_\_\_\_  
 Misc.: Base Fox Hills @ 509'; Deepest water well @ 680'

**WELL STATUS:** Well Abandoned 11/15/82

**COMMENTS:** Hole was filled with 10 ppg mud and steel cap was welded on surface casing

**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 5400'
- 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 5300'.
- 17) RU cement crew and pump a balanced plug of 50 sks 15.8 ppg Class G "neat" cement
- 18) POOH to 3000' and pump balanced plug of 50 sks 15.8 ppg Class G "neat" cement
- 19) POOH to 830' (150' below deepest water well @ 680')
- 20) RU cement crew and pump 307 sxs 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