REENTRY PROCEDURE

WELL NAME: Wells #1 **DATE:** 3/17/2015

LOCATION:

Qtr/Qtr: NWNW Section: 4 Township: 5N Range: 62W

COUNTY: WELD STATE: CO API #: 05-123-07365

ENGINEER: Hunter Dunham

(Please notify Engineer of any major changes prior to work)

7 Day Notice Sent:

Do not start operations until:

Notice Expires:

OBJECTIVE: Re-enter and re-plug

WELL DATA:

Surface Csg:	8 5/8" 24# set @ 105'	KB Elevation:	4732'
Surface Cmt:	80sx cmt to surface	GL Elevation:	4722'
Long St Csg:	NO PROD CSG	TD:	7170'
Long St Cmt:		PBTD:	
Long St Date:	10/15/1971		

Plug Info (1)	101sxs balanced plug 85'/388'
Plug Info (2)	10 sx @ surface
Plug Info (3)	
Plug Info (4)	
Perforation Interval (1):	NONE
Perforation Interval (2):	
Perforation Interval (3):	

Tubing: Rods:

Pump:

Misc.: ***Base Fox Hills 339', Deepest water well 305'***

WELL STATUS: 10/15/1971

COMMENTS:

Open hole from surface casing set depth (105') to TD (7170')

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. Estimated TOC at 85'.
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'. If unable to reach this depth, contact rig superintendent for further instruction.
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 100sk 15.8 ppg Class G "neat" cement from 3000' to 2650'. 25% excess cement assumed.
18) POOH with 2 7/8" tubing to 500' (100' past base of fresh water aquifer at 339')
19) RU cement crew and pump 200sk 15.8 ppg Class G "neat" cement. Bring 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