

Flessner #13, 121-06363, SENE 30-1N-56W
Re-Enter to Re-Plug Operations Summary

Mon 1/5/15 - Set anchors

Tues 1/6/15 – Mobilize

Wed 1/7/15 – Set up rig, remove wellhead and 6 joints 2.875” tubing.

Thurs 1/8/15 –

Magna rig #30. Install BOP and function tested.

P/u tubing tongs. Tubing is 2.375”.

Strap collars. P/u bit 6.25” Varel mill tooth.

Stack out w/ 6 drill collars plus sub and bit at 193’ below rig floor.

Rig floor is 5’ AGS.

SDFN

Fri 1/9/15 –

Start drilling at 193’.

~20 bbls to load hole. Lost 60 bbls in 20 min drill/circ time.

Ran out of water. Stopped drilling at 196’.

Recommence drilling.

Lost 60 bbls in 45 min drill/circ time.

Ran out of water. Stopped drilling at 215’. Cuttings were coarse 1/4” – 3/8” gray cement chips and fibrous vegetable matter.

Drain lines, SDFN.

Mon 1/12/15 –

Commence drilling at 215’. Cuttings were fine <1/8” dark gray cement and shale chips.

At 222’ fluids started coming up in cellar. About 25% to cellar 75% to tank.

Shut down operations at 243’ for H2S alarm on drillers gas monitor (4 to 6 ppm).

Did not repeat detect or smell H2S. Cellar not flowing when not circulating.

Recommence drilling. Intermittent torquey spots. ~50% returns.

Drilled 283’-285’ w/ 10% returns to tank, the rest to cellar.

Recommence drilling w/ no returns to tank.

Stopped drilling at 348’.

Pull back 4 joints, drain tanks & lines and SDFN.

Tues 1/13/15 –

Run back in to 348’. Little to no fill.

Brought 200 bbl 9# mud to site in vac trucks. Recommence drilling at 348’, mixing mud w/ LCM using cementer auger at 1/2 bbl/min, 10# polyflake/bbl and 3#/bbl cotton seed

hulls. Within 30 min had mud w/ poly returning to cellar. Stop drilling at 380' and TOO H. Lay down collars and bit.
Run in hole 40 joints tubing with 5' slotted sub on end to 1243'. Tubing went past 380' w/ no resistance.
TOO H, stand tubing in derrick.
Drain lines SDFN.

Wed 1/14/15 –

Run in hole w/ tubing and slotted sub.
Tubing went past 380' w/ no resistance. Only had to work the tubing a little, a few times. Continued to 1860' (60 joints). Last 2 joints had to be worked more. Pulled 3 joints to 1766' (57 jts) for 1st plug. Rig up equipment and lines for cementing. Mix & pump 40 sx cement +/- 15 ppg, displace with 6 bbls.
Pull 24 joints to 1028' (33 jts) for 2nd plug. (40 sx).
Mix & pump 40 sx cement +/- 15 ppg, displace with 3 bbls.
Pull 28 joints to 160' (5 jts) for 3rd plug. (60 sx).
Mix & pump 60 sx cement +/- 15 ppg and 175 # CaCl (3% by wt cement, 7% by wt water), displace with 0.5 bbls.
Lay down 5 joints. Flush lines and wash up.
Drain lines SDFN.

Thurs 1/15/15 –

Tagged the top of plug #3 at 117' (5' slotted sub, 4 joints, +20'), which is 8' below the base of surface casing at 109'. Layed down 1 joint. Added 1-10' pony joint, EOT 108'. Circulate w/ ~5 bbl fresh water and had returns up outside of surface casing and some to the returns tank hooked up to surface casing. Tank line is 8' higher than cellar.
Mix and pump cement at ~15 ppg w/ 3#/bbl cotton seed hulls.
Had returns up outside of surface casing, nothing to tank.
Cement to surface outside at approx. 35 sx. At 40 sx knocked loose the hose off surface casing valve and let returns come up both sides to cellar. At 50 sx had cement returns from surface casing. Cement to surface in and out. Total cement pumped 78 sx.
Flush lines, lay down tubing, wash up.
Drain lines SDFN.

Left to do as of end of day Thurs 1/15/15:

Dig out around well, cut casing 5' below grade, top up cement, cap, and regrade. Remove anchors. Repair ditch at access. Remove all debris including tubing and wellhead removed from well. Demob.