

Sekich Farms 19-1L – Remedial Cement

- 1 Remove production equipment.
- 2 MIRU Workover (WO) Rig. Control well with biocide treated water.
- 3 Set RBP at +/- 7,130'. Pressure test RBP to 1,000 psi
- 4 Unland 4-1/2" production casing and NU double entry flange.
- 5 Run in annulus to 4,800' with 1-1/4" tbg.
- 6 Mix & pump cement as follows: 10 bbl Freshwater spacer, 20 bbl of sodium metasilicate spacer, 655 sks of 14.6ppg 1-1-0 G cement & 1/4#/sk Cello Flake, mixed at 1.12 cu ft/sk for a total of 130.7 bbl. Displace with 3.5 bbl fresh water. Design is for coverage from a minimum of 50' under the Shannon formation and 200' above the Sussex.
- 7 TOOH 1-1/4" tbg. Shut in and WOC for 24 hours minimum.
- 8 Run CBL to verify proper coverage.
- 9 TIH with 1-1/4" tbg to 1,600'.
- 10 Mix & pump cement as follows: 10 bbl fresh water, 510 sks Type III cement & 1/4 #/sk cello flake mixed at 14.8 ppg and yield of 1.33 cuft/sk (CaCl₂ amounts as determined by cementing service company for 3 hour set time) for a total of 120.8 bbl of cement. Don't displace with water. Design is for required coverage below and above the fox hills formation.
- 11 TOOH 1-1/4" tbg. ND double entry flange. Re-land 4-1/2" production casing. Shut in and WOC for 24 hours minimum.
- 12 Run CBL to verify proper coverage.
- 13 Pressure test casing to 5,000 psi for 15 minutes.
- 14 Pull RBP. Set production packer and test wellhead to 5,000 psi.
- 15 RDMO. Return well to production team.

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