

12-5-77

OPERATOR: Selina Choderau

WELL: Wte #1

LOCATION: F-20-31N-15W

UMT 14-20-604-86-A

1. All cement shall be neat Class A or B and may be accelerated by up to 3% Calcium Chloride.
2. All cement plugs shall be separated by 40+ second viscosity mud in open hole.
3. Set a plug from TD (1855') to 1560' using 35 sacks.
4. Attempt to salvage casing.
5. If casing is pulled from below ':
 - A. Set a 100' gross cut-off point plug from to using 24 sacks.
 - B. ~~Shut down 6 hours minimum with accelerated cement and 12 hours with neat cement. Tag cement plug. If top of plug is below ' replug to '. If plug is above ' go to step C.~~
 - C. Set a plug from 0' to 30' using 10 sacks.
 - D. Set marker in surface casing; ~~III~~,
6. If casing not pulled, from below ' or ' respectively, set plugs as follows:
 - A. Perforate at 625' and set a 100' plug inside and outside the 5 1/2" casing using 30 sacks, squeezing 15 sacks through the perforations.
 - ~~B. Follow step 5 B.~~
 - ~~C. Perforate at ' and set a ' plug inside and outside of " casing using sacks, squeezing sacks through the perforations.~~
 - ~~B. Set 2 plug 0' to 30' inside 5 1/2" csg and in 5 1/2-8 5/8 annulus.~~
 - ~~D. Set marker, and stabilize " casing inside the surface casing.~~
7. Remove all junk from location.
8. Clean and restore location to pre-existing conditions.

5sf in 5 1/2" csg and 5sf in annulus.