

**Tubbs B4**

API # 050-067-09927

Sec 09 - T32N – R6W

Colorado

**Reason/Background for Job**

Following drilling it was noted a sustained BH pressure of 150 - 170 psi.

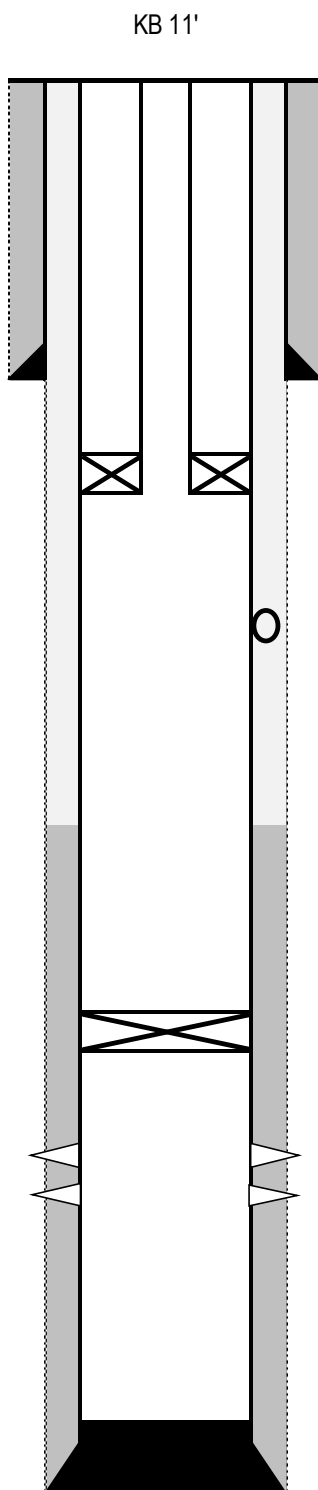
The proposed work is to squeeze cement behind 5 ½" casing to address this issue.

**Basic job procedure**

1. Set CBP to isolate perforations
2. Perforate block sqz perfs ~ 75 – 150' below surface csg shoe set at 719'
3. Set cement retainer 50 – 60' above perfs
4. Run workstring & sting into retainer.
5. Attempt to establish circulation to surface. If circulation can be established:
  - a. Mix & circulate cement behind 5 ½" casing taking returns at surface until cement returns observed at surface.
  - b. Unsting, reverse out, and pull workstring. WOC.
  - c. Bleed off surface csg pressure.
  - d. Monitor surface csg to not rebuild.
  - e. If surface csg pressure persists, drillout and re-squeeze as necessary.
6. If circulation to surface cannot be established in Step 5:
  - a. Establish injection pressure into formation with fluid.
  - b. Mix & pump cement below cement retainer. Inject cement below retainer to achieve squeeze pressure; hesitate squeeze if needed.
  - c. Unsting, reverse out & POOH. WOC.
  - d. Monitor surface csg for any pressure buildup.
  - e. If surface csg pressure persists, drillout and re-squeeze as necessary.
7. Once communication to surface seems to be isolated, drill out cement inside casing. Test squeeze perfs to 600 psi for 30 min (chart test)

**WBD for squeeze job**

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**Surface Csg**

12 1/4" hole  
8 5/8", 24#, J55 @ 719'  
TOC @ surf

CR @ 800' ±

Squeeze perfs @ 870' ±

CBP @ 3140' ±

**Perfs (MD)**

3275 - 3320'  
3346 - 3410'

**Prod Csg**

7 7/8" hole  
5 1/2", 15.5#, J55 @ 3672' MD

PBTD 3627' MD  
TD 3682' MD (3129' TVD)