

**Citation Oil & Gas Corp
Berge 4
Bledsoe Ranch Unit
Cheyenne County, CO**

Current Information

Total Depth: 5,650'

Plug Back Total Depth: 6,176'

Surface Casing: 8 5/8" 24 # @ 354' 260 SX CMT

Production Casing: 5 1/2" 15.5# @ 6,249' 250 SX CMT

Completion: *Morrow Perfs 6,144'-48'*

Suspected Problem: Casing Leak

Casing Leak Squeeze Procedure

All Calculations Use Class A Cement

Yielding 1.18 Cu.Ft/SX

Check with Chosen Cement Company to Confirm Correct Volumes

1. PU RIH w/ 5.5" RPB & PKR
2. TIH set RBP at 3,625', spot 100# sand on RBP, top of sand 3,618'
3. TOH w/ PKR set at 3,460', establish circulation.
4. Mix and pump 200 sx Class A cmt,
5. Displace cmt w/ 20.75 BW (tubing vol. 20.0334 bbl + 30' csg vol 0.7141bbl), estimated top of cmt in 5.5" csg is 3,490'
6. Maintain pressure on cmt to allow to set
7. Release PRK, reverse out to clean tbg, TOH to 3,400', set PKR, pressure up to 500 PSI, and leave 24 hrs to allow cmt to cure.
8. TIH w/ PKR
9. RU Power swivel, PU bit, 4 Drill collars, TIH to 3,490', Tag cmt
 - a. If cmt had drill out
 - b. If cmt soft allow an additional 24 hrs for cmt to cure
10. Negative test CSG for inflow
11. If no inflow, wash down release RBP 3,625', TOH
12. TIH w/ bit clean to PBTD 6,176' TOH
13. PU RIH w/ Production Tbg and rods
14. HWO and RTP.