

**Citation Oil & Gas Corp
MPU 22-35
Mount Peral Unit
Cheyenne County, CO**

Current Information

Total Depth: 5,650'

Plug Back Total Depth: **5,572'**

Surface Casing: 9 5/8" 36# @ 341' w/ 270 SX CMT

Production Casing: 5 1/2" 15.5# @ 5,632' w/300 SX CMT

Completion: 5,367' – 5,373'

Suspected Problem: Casing leak isolated at 3,066' – 3,100'

Plug and Abandon Procedure

All Calculations Use 60/40 POZ w/ 4% Gel Class A Cement

Yielding 1.42 Cu.Ft/SX

Check with Chosen Cement Company to Confirm Correct Volumes

1. PU **PKR & RBP**, TIH **set RBP at 5,260' & PKR at 2,937.'**
2. MIRU Cement Truck
3. Establish inj rate Mix & Pump **75 sx**, Max squeeze pressure 1,300#
4. Maintain pressure on squeeze, once confident squeeze will hold release pressure and reverse out.
5. Reset pkr 2,612' pressure well to 500PSI, leave shut-in 24 hrs
6. TIH w/ 4 drill collars and bit,
 - a. If cement is wet/soft, allow cement to cure an additional 24 hours
 - b. If cement is hard proceed to step 7
7. Drill out cement squeeze, negative test the squeeze to ensure integrity.
 - a. If squeeze fails, repeat steps 1-5
 - b. If passes proceed to step 8
8. TIH w/ Perf Gun Perf intervals: **2,220'-21' & 1,730-31'** w/ **3 SPF 120° Phasing Angle Perf Gun**, TOH w/ spent guns.
9. MIRU Cmt Trk
10. PU **CICR**, TIH **set at 2,200'**
11. **Sting into CIRC** Mix & Pump **60 sx thru CICR**, Sting out CICR, TOOH
12. TOH PU **PKR**, TIH **set at 1,700'**

13. **Sting into CIRC** Mix & Pump **40 sx thru CICR**, Sting out CICR TOO H
14. Drill out cement squeeze, negative test the squeeze to ensure integrity.
 - a. If squeeze fails, contact Engineer.
15. Run CBL from 2,250 -1,600', send well to ECMC & COGC engineer.
 - a. If passes RTP Well
 - b. If fails, new plan will be established.