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**Operator:** Synergy Resources Corporation  
**Well Name:** Nelson 5-21  
**Legal:** NENW, Section 5, Township 4N, Range 67W  
**Location:** Weld County, CO  
**API:** 05-123-30725  
**Surface:** 8.625" 24# @ 549' **Hole Size:** 12.25" **TOC:** Surface  
**Production:** 4.5" 11.6# @ 7,168' **Hole Size:** 7.875" **TOC:** 2,730' (CBL)  
**Perforations:** 6,670' – 7,018' (Nio-Codell)  
**TD:** 7,168'

## P&A Procedure

1. Conduct pre-job safety meeting and complete daily JSA
2. Blow down well if necessary, circulate hole with treated water
3. Dig out around wellhead and check surface annulus for pressure
4. MIRU WO unit, ND wellhead, NU BOP, tally all pipe
5. TIH w/ 4-1/2", 11.6# retainer, set at 6,595' and squeeze perfs (about 40 sxs)
  - a. Release off of retainer and pump 5 sx on top to create 50' plug
  - b. TOOH
6. Pressure test csg to 500 psi for 15 minutes
7. Cut 4.5" @ 599', and POOH
8. TIH to 649' and pump a 649' shoe plug (0' – 649')
  - a. 250 sx of 15.8# class G neat 1.15 cu./ft. yield cement, (649' – 0')
  - b. 50' out of surface casing
  - c. Wait 4 hours and tag plug
9. RDMO WO unit
10. Dig up wellhead and cut off 10' below restored ground level, top off if necessary
11. Weld on cap with ID plate, inscribed with well location, and identity
12. Backfill, clean location
13. P&A complete