

Arnold 31  
05-123-07709  
Verdad Resources LLC

#### Plug and Abandon

1. MIRU workover rig
2. ND production tree
3. NU and test BOPs
4. Kill well with produced water down casing
5. POOH w/tubing
6. MIRU wireline
7. NU Lubricator
8. RIH w/cement bond log, verify production casing TOC is above 7660'. *If TOC is below 7660' stop work until an acceptable go ahead plan to isolate D and J Sand intervals is agreed upon w/COGCC*
9. Set CIBP @ 7650'
10. Dump bail 2sx on top of CIBP
11. Perforate 6870'-6871' with .42" EHD charges at 4spf with 90deg phasing (4 total shots)
12. Set CICR @ 6770'
13. Pump 35sx API Class G Cement (15.88ppg, 1.14 cu ft/sx) into retainer
14. Dump 2sx on top of retainer
15. Perforate 1250-1251' with .42" EHD charges at 4spf with 90deg phasing (4 total shots)
16. Set CICR @ 1050'
17. Pump 339sx API Class G Cement (15.88ppg, 1.14 cu ft/sx) into retainer
18. Leave 2sx on top of retainer
19. Place 8sx surface plug f/100' to surface
20. Cut and cap wellhead with welded on steel plate with weep hole and API#
21. Abandon flowlines and location as per rule 1105