



1001 17th Street
Suite 1600
Denver, CO 80202

Puckett 13C-31D P&A Proposal (05-045-10551)

Project Objective:

This project is to plug and abandon the Puckett 13C-31D well.

Procedure

1. Notify the BLM office and the COGCC at least 48 hours before plugging operations commence with a Form 42. Ensure proper ground disturbance forms have been completed, one call for utility identification has been done and proper paperwork is on location.
2. Hold a pre-job safety meeting. Discuss all aspects of the procedure with any involved personnel. Identify and address any safety concerns before the job begins.
3. Record all tubing and casing pressures as found, note in WellView.
4. Perform Bradenhead Test using a Form 17. With gauges monitoring production casing and tubing pressures, open surface casing (bradenhead) valve. Record pressures at five-minute intervals for 30 minutes. Record all pressures and complete Form 17. Return completed Form 17 to Production Engineer.
5. MIRU workover unit. Kill well. ND wellhead, NU BOP.
6. Test and chart BOPs as per regulations.
7. TOOH laying down 2-3/8" 4.7# J-55 production tubing (222 jts / 7,130')
 - F nipple @ 7,129' KB
 - EOT @ 7,130' KB
8. MIRU wireline and RIH with 4.5" CIBP and set at 5,891' (75' above top perf at 5,966').
9. Pressure test casing to 350 psi for 15 minutes.
10. TIH with 2-3/8" tubing to 5,891' and pump **12 sacks** of Class G neat cement (15.8 lb/gal., 1.15 cu-ft/sk.) to fill casing with 150' cement plug on top of CIBP at 5,891'. Estimated TOC @ 5,741'. Pick up above plug and circulate clean.
11. TOOH with tubing to 4,834' and pump **29 sacks** of Class G neat cement (15.8 lb/gal., 1.15 cu-ft/sk.) for 380' cement plug inside casing to cover the Williams Fork (top @ 4,834') and Ohio Creek (top @ 4,604') formations. Estimated TOC @ 4,454' inside casing. Pick up above plug and circulate clean. TOOH.
12. RIH with perf gun and shoot 4 squeeze holes at 4,404'. POOH.



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13. TIH with tubing to 4,404' and pump **86 sacks** of Class G neat cement (15.8 lb/gal., 1.15 cu-ft/sk.) for cement plug inside casing and annulus to cover the L. Wasatch (top @ 4,404') formation. Plug was designed for 250' of coverage inside the 4.5" casing and in the annulus. Estimated TOC @ 4,154' inside casing. Pick up above plug and circulate clean. TOOH.
14. RIH with perf gun and shoot 4 squeeze holes at 3,156'. POOH.
15. TIH with tubing to 3,206' and pump **57 sacks** of Class G neat cement (15.8 lb/gal., 1.15 cu-ft/sk.) for cement plug inside casing and annulus to cover the Ft. Union (top @ 3,156') formation. Plug was designed for 200' of coverage inside the 4.5" casing and 150' in the annulus. Estimated TOC @ 3,006' inside casing. Pick up above plug and circulate clean. TOOH.
16. MIRU wireline and RIH with perf gun and shoot 4 squeeze holes at 2,024' (50' below surface casing shoe). POOH.
17. RIH with tubing to 2,074' (50' below perfs) and pump **59 sacks** of Class G neat cement (15.8 lb/gal., 1.15 cu-ft/sk.) for cement plug inside casing and annulus to cover surface casing shoe @ 1,974'. Plug was designed for 200' of coverage inside 4.5" and 150' in annulus. Estimated TOC @ 1,874' inside CSG and annulus. Pick up above plug and circulate clean. Wait for cement to cure.
18. Tag TOC of surface casing shoe plug @ 1,874' and record tag in WellView. Call engineer if TOC is off by more than 25'. Ensure there is no bradenhead pressure before continuing. Pressure test casing to 300 psi. Minimum of 15 minutes. TOOH.
19. RIH with perf gun and shoot 4 squeeze holes at 75'. POOH and RDMO WL.
20. TIH with tubing to 125' (50' below perfs). Mix and pump cement plug of **32 sacks** of Class G neat cement (15.8 lb/gal., 1.15 cu-ft/sk.) to surface in casing and the annulus. Top off if necessary. TOOH with 2 3/8" tubing.
21. RDMO workover unit and ND BOP.
22. Wait at least 5 days (and no more than 90 days) before proceeding to next step.
23. Dig down around wellhead and cut off 4 feet below ground level. Top off with cement if needed.
24. Weld information plate to casing stub with 1/4" weep hole, take GPS readings of well information plate for regulatory agencies. Inscribe information plate with:

Caerus Oil and Gas LLC
Sec31 T6S R96W Puckett #13C-31D 05-045-10551



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25. Back fill hole and release equipment. RDMO.



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API: 05-045-10551

Owner: FEE/FEE

Surface Casing:
Hole Size: 9-5/8" OD x 8.92" ID J-55 36 lb/ft @ 1,974' (KB)
17.5"

Production Casing:
Hole Size: 4.5" OD x 4" ID 11.6# N80 @ 7,561' (KB)
8.75"

TOC: 4,430' in 4.5" annulus (CBL on 4/8/2006); ratty cement

Perfs: 5,966' – 7,068'

Notes:

Formation Tops:

Wasatch G	2,843'
Fort Union	3,156'
Ohio Creek	4,604'
L. Wasatch	4,404'
Williams Fork	4,834'
Rollins	7,471'

COGCC Field:

Grand Valley

