

Plug and Abandonment Procedure - Proposed

Well Name: Puckett 31D-24D
API: 05-045-14208

Version: FINAL
Date: 3/27/23

- 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 casing pressures as found, note in WellView.
- 4) Ensure a Bradenhead Test has already been completed and a Form 17 has been submitted. (test consists of using gauges to monitor production casing and tubing pressures, as surface casing (bradenhead) is opened and pressures are recorded at five-minute internals for 30 minutes.). If not completed, notify production engineer.
- 5) MIRU workover unit. Kill well if necessary. ND wellhead, NU BOP.
- 6) Test and chart BOPs as per regulations.
- 7) Unland tubing and TOO H.
- 8) RU Wireline and RIH w/ CIBP. Set CIBP 50' above top perf and POOH w/ WL.
Plug Size: 4.500in 11.60# Set Depth (ft): 6,704
- 9) Perform 500 psi pressure test for 15 minutes. Record pressure test results in WellView. If not successful, notify production engineer.
- 10) TIH w/ tubing. Mix and pump class G neat cement plug. Pick up above top of cement and circulate clean.

Est TOC (ft):	6,537	Plug Description:	Top Perf Plug
Tbg Set Depth (ft):	6,704	Coverage: Top perf	6,754
Plug Height (ft):	167	CIBP	6,704
Plug Vol (sks):	13		

- 11) POOH w/ tbg to next cement plug depth. Mix and pump class G neat cement plug. Pick up above plug and circulate clean.

Est TOC (ft):	5,745	Plug Description:	Ohio Creek, Williams Fork
Tbg Set Depth (ft):	6,328	Coverage:	Ohio Creek 6,066
Plug Height (ft):	583		Williams Fork 6,328
Plug Vol (sks):	44		

- 12) POOH w/ tbg to next cement plug depth. Mix and pump class G neat cement plug. Pick up above plug and circulate clean. TOO H w/ tubing.

Est TOC (ft):	4,108	Plug Description:	3,000 ft Spacer Plug
Tbg Set Depth (ft):	4,250		
Plug Height (ft):	143		
Plug Vol (sks):	11		

- 13) RU Wireline, RIH and perforate csg. POOH w/ WL.

Perf Depth (ft):	2,706	Gun Charge:	4 spf - 90 deg phasing
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- 14) TIH w/ tbg. Establish injection through squeeze holes into production csg annulus. Mix and pump a balanced squeeze plug of class G neat cement. Pick up above top of cement and circulate clean. TOO H w/ tubing.

Est TOC (ft):	2,501	Plug Description:	Surface Shoe Plug
Tbg Set Depth (ft):	2,706	Coverage:	Surface Casing Shoe 2,631
Plug Height (ft):	205		
Plug Vol (sks):	72		
Squeeze Vol (sks):	57		
Internal Vol (sks):	16		

- 15) Confirm any bradenhead pressure has been eliminated. If bradenhead pressure is present, notify production engineer.

- 16) RU Wireline, RIH and perforate csg. POOH w/ WL.

Perf Depth (ft):	93	Gun Charge:	4 spf - 90 deg phasing
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- 17) TIH w/ tbg. Establish injection through squeeze holes into production csg annulus. Mix and pump a balanced squeeze plug of class G neat cement. TOO H w/ tubing.

Est TOC (ft):	Surface	Plug Description:	Surface Plug
Tbg Set Depth (ft):	93	Coverage:	Surface down to 93
Plug Height (ft):	75		
Plug Vol (sks):	26		
Squeeze Vol (sks):	20		
Internal Vol (sks):	6		

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- 18) RDMO workover unit and support equipment.
 - 19) Wait at least 5 days (and no more than 90), before procedure to next step.
 - 20) Dig around wellhead, cut off 4' below ground level. Top off w/ cement if surface plug is not at surface.
 - 21) Weld information plate to casing stub with 1/4" weep hole. Take GPS reading of well information plate for regulatory agencies. Inscribe plate with following:

Caerus Oil and Gas LLC
Puckett 31D-24D
05-045-14208
24-06S-97W
 - 22) Back fill hole and release equipment

Well Name: Puckett 31D-24D

API: 05-045-14208

Surface: FEE

Minerals: FEE

Well Status: SI

Field: GRAND VALLEY

Lat: 39.5127084

Long: -108.1665742

Sec-Twn-Rng: 24-06S-97W

KB (ft): 18 all depth ref KB unless otherwise noted

	OD (in)	ID (in)	Wt. (lb/ft)	Grade	Hole (in)	Top (ft)	Btm (ft)	TOC (ft)
Conductor	20.00				24.0	18	100	18
Surface	9.625	8.921	36.0	J-55	17.50	18	2,631	18
Intermediate								
Production	4.500	4.000	11.60	P-110	8.75	18	9,168	3,880

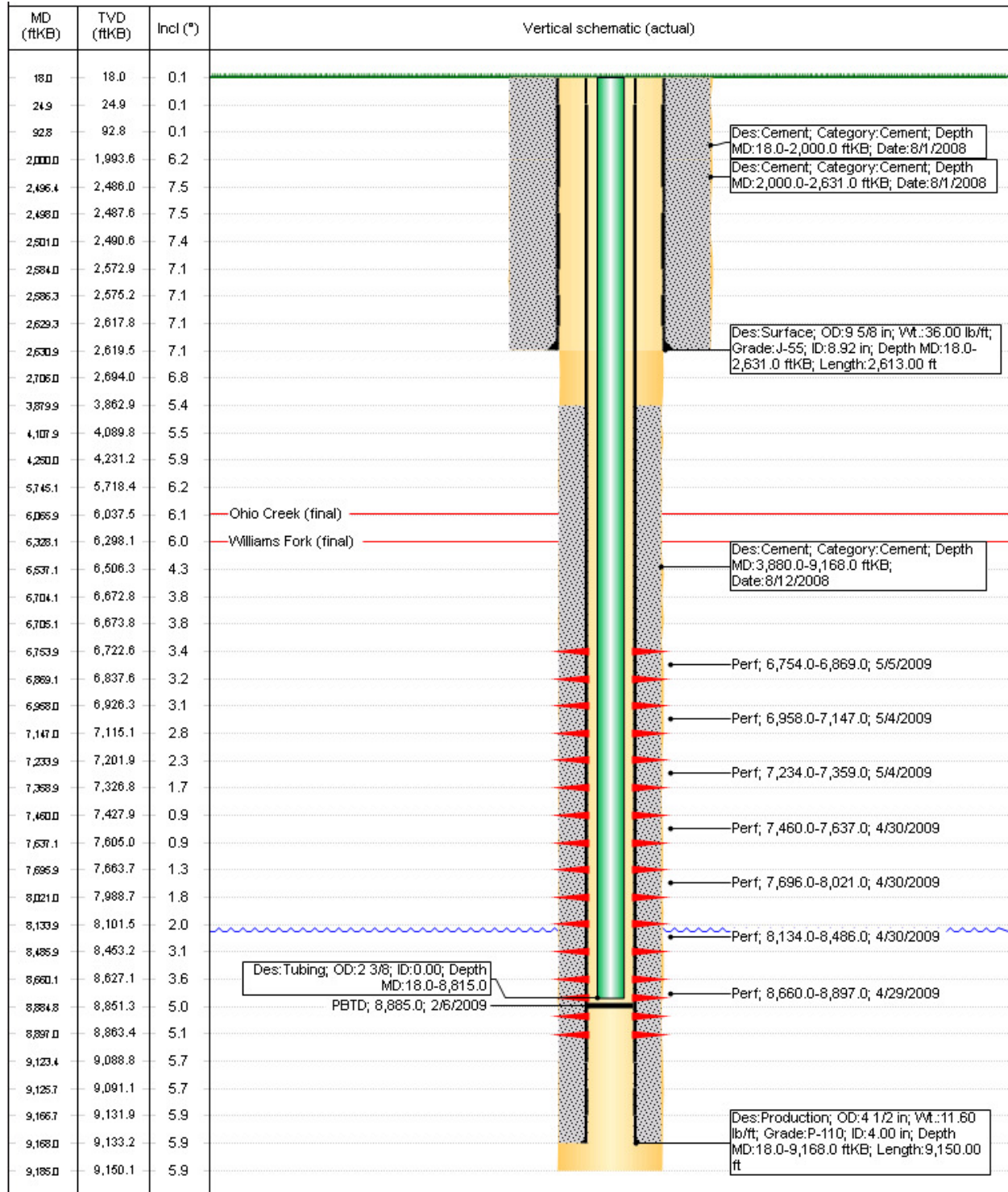
	OD (in)	ID (in)	Wt. (lb/ft)	Grade	EOT (ft)
Tubing	2.375	1.995	4.70	J-55	8,815

Gross Perf Interval		Formation Tops	RGL (ft)	RKB (ft)
Top Perf (ft)	6,754	Wasatch	1,352	1,370
Btm Perf (ft)	8,897	L. Wasatch	N/A	
		Wasatch G	N/A	
PBTD (ft)	8,885	Fort Union	N/A	
		Ohio Creek	6,048	6,066
Surf Csg. Press (psi)	No Flow	Williams Fork	6,310	6,328
Int Csg. Press (psi)	0	Top Gas	6,713	6,731
Prod Csg. Press (psi)	520			
Tubing Press (psi)	430			
Test Date: 8/9/2022				

Well Notes

General Notes All Displacement fluid shall contain corrosion inhibitor and biocide. Premix 5 gallons per 100 bbls fluid to be placed between all plugs.

Current WBD



Plugged WBD

