



PAUL BURTON 1-27 Plug and Abandon

API: 05-103-05030 **Area:** North Piceance **Route:** Route 101 (BJU-L)
LOCATION: 3S 98W 27 NE SW **Formation:** Williams Fork **Pad:** PB 1-27

PROCEDURE

NOTE: Tubing tally in WellView is an estimate. No clear record on current tubing configuration.

This project requires the use of a steel tank to handle waste fluids circulated from the well and cement wash up.

1. Hold pre-job safety meeting. Comply with all **COGCC**, BLM, and COG safety and environmental regulations. Contact COGCC/BLM in proper timing before rigging up. Scope location for base beam. If unable to use base beam, test rig anchors prior to moving in rig.
2. MIRU workover rig. Check casing, tubing, and bradenhead pressures and record them in WellView.
3. Remove existing piping on casing valve. RU blow lines from casing valves and begin blowing down casing pressure. Kill well as necessary. Ensure well is dead or on a vacuum.
4. ND wellhead and NU BOPE. Test and chart BOPs as per regulations. PU and remove tubing hanger.

5. TOOH with tubing (per pertinent data sheet).

NOTE: Tubing tally in WellView is an estimate. No clear record on current tubing configuration.

Tubing size: 2-3/8" 4.7# J-55 EUE

Set Depth: 6,967'

KB: 10'

6. RU wireline and RIH with gauge ring or PU 4-3/4" bit and watermelon mill on tubing and round trip as deep as possible above top perforation at 6896'.
7. PU 5-1/2" CIBP and set at 6805' with wireline. Load hole, and pressure test casing to 350 psi. If casing does not test, spot or tag subsequent plugs as appropriate.

Cement volumes calculated for ASTM Class B mixed at 15.6 ppg with a 1.18 cf/sk yield.

8. Plug 1 - Mesa Verde/Williams Fork Perforations, 6705' - 6805', 15 Sacks Class B Cement

Dump bail 15 sx Class B cement on top of CIBP to cover the Mesa Verde/Williams Fork perforations.

9. Plug 2 - Mesa Verde/Williams Fork and Ohio Creek Formation Tops, 5180' - 5550', 122 Sacks Class B Cement

RIH with wireline and perforate 5-1/2" casing at 5,550'. TIH with tubing. Drop SV and pressure test tubing to 1000 psi. Establish circulation through squeeze holes. Mix 122 sx Class B cement and squeeze 77 sx outside the 5-1/2" casing, leaving 45 sx inside the casing to cover the Williams Fork and Ohio Creek formation tops. POOH.

10. Plug 3 - Fort Union Formation Top, 2400' - 2520', 42 Sacks Class B Cement

RIH with wireline and perforate 5-1/2" casing at 2,520'. TIH with tubing. Establish circulation through squeeze holes. Mix 42 sx Class B cement and squeeze 25 sx outside the 5-1/2" casing, leaving 17 sx inside the casing to cover the Fort Union formation top. TOOH and LD tubing.

11. Plug 4 - Surface Casing shoe and Surface Plug, 0' - 500', 166 Sacks Class B Cement

RU WL and perforate big hole charges (if available) squeeze holes at 500'. TOOH and RD wireline. RU pump, close blind rams and establish circulation out bradenhead with water. Circulate BH clean. Mix 166 sx Class B cement and squeeze until good cement returns to surface out BH valve. Shut BH valve and squeeze to max 200 psi. SI well and WOC.

12. Nipple down BOP and RDMO workover unit.

13. Dig down around wellhead and cut off 4' below ground level. Top off with cement if needed.

14. Weld information plate to casing stub with 1/4" weep hole. Take GPS readings of well information plate for regulatory agencies. Backfill hole and release equipment. RDMO.



Schematic - Current

Well Name: Paul Burton A 1

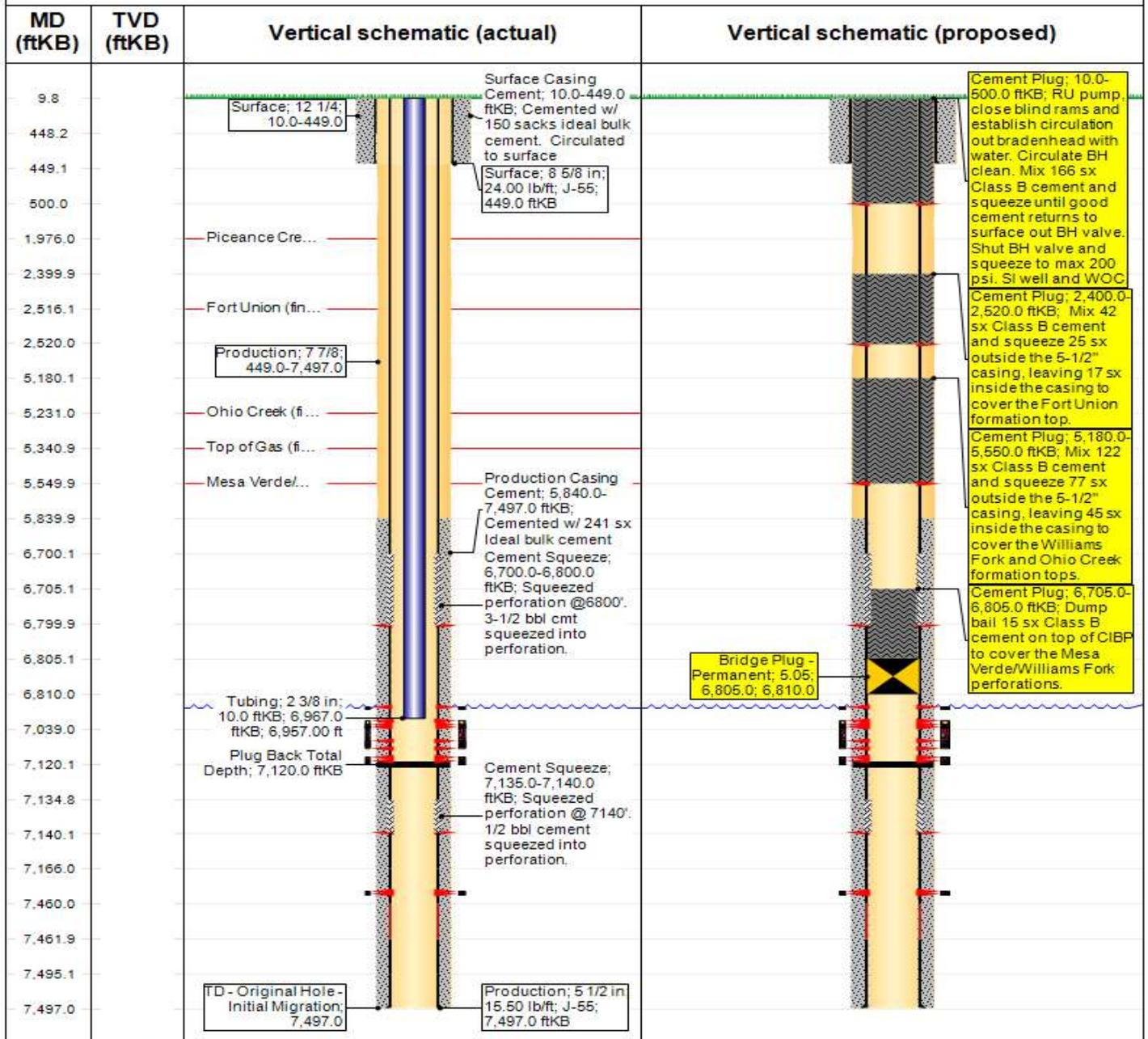
API/UVI 05103050300000	Surface Legal Location	Field Name SULPHUR CREEK	License #	State/Province CO	Well Configuration Type Vertical
Original KB Elevation (ft) 6,899.61	KB-Tubing Head Distance (ft)	Spud Date	Rig Release Date	PSTD (All) (ftKB)	Total Depth All (TVD) (ftKB)

Most Recent Job

Job Category Production	Primary Job Type Lease Operating Expense	Secondary Job Type LOE	Start Date	End Date
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TD: 7,497.0

Vertical, Original Hole - Initial Migration, 1/1/2020





P&A Pertinent Data Tables

Well Name: Paul Burton A 1

API/UVI 05103050300000	Surface Legal Location	Field Name SULPHUR CREEK	License #	State/Province CO	Well Configuration Type Vertical
Original KB Elevation (ft) 6,899.61	KB-Tubing Head Distance (ft)	Spud Date	Rig Release Date	PSTD (All) (ftKB)	Total Depth All (TVD) (ftKB)

Casing Strings					
Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread	Set Depth (ftKB)
Surface	8 5/8	24.00	J-55		449.0
Production	5 1/2	15.50	J-55	ST&C	7,497.0

Tubing Strings							
Tubing Description	Run Date	String Length (ft)			Set Depth (ftKB)		
Item Des	Jts	Make	Model	OD (in)	Wt (lb/ft)	Grade	Len (ft)

Cement			
Description	Prop?	String	Comment
Surface Casing Cement	No	Surface, 449.0ftKB	Cemented w/ 150 sacks ideal bulk cement. Circulated to surface
Production Casing Cement	No	Production, 7,497.0ftKB	Cemented w/ 241 sx Ideal bulk cement
Cement Squeeze	No	Production, 7,497.0ftKB	Squeezed perforation @ 7140'. 1/2 bbl cement squeezed into perforation.
Cement Squeeze	No	Production, 7,497.0ftKB	Squeezed perforation @6800'. 3-1/2 bbl cmt squeezed into perforation.
P&A Proposed Cement Plug	Yes	Production, 7,497.0ftKB	Dump bail 15 sx Class B cement on top of CIBP to cover the Mesa Verde/Williams Fork perforations.
P&A Proposed Cement Plug	Yes	Production, 7,497.0ftKB	Mix 122 sx Class B cement and squeeze 77 sx outside the 5-1/2" casing, leaving 45 sx inside the casing to cover the Williams Fork and Ohio Creek formation tops.
P&A Proposed Cement Plug	Yes	Production, 7,497.0ftKB	Mix 42 sx Class B cement and squeeze 25 sx outside the 5-1/2" casing, leaving 17 sx inside the casing to cover the Fort Union formation top.
P&A Proposed Cement Plug	Yes	Production, 7,497.0ftKB	RU pump, close blind rams and establish circulation out bradenhead with water. Circulate BH clean. Mix 166 sx Class B cement and squeeze until good cement returns to surface out BH valve. Shut BH valve and squeeze to max 200 psi. SI well and WOC.

Perforations				
Prop?	Type	Date	Top (ftKB)	Strm (ftKB)
Yes	Squeeze Perf	1/1/2020	500.0	500.0
Yes	Squeeze Perf	1/1/2020	2,520.0	2,520.0
Yes	Squeeze Perf	1/1/2020	5,550.0	5,550.0
No	Squeeze Perf	11/1/1960	6,800.0	6,800.0
No	Perforated	9/1/1962	6,896.0	6,909.0
No	Perforated	11/1/1960	6,980.0	7,084.0
No	Perforated	9/1/1962	7,009.0	7,014.0
No	Perforated	9/1/1962	7,022.0	7,029.0
No	Perforated	9/1/1962	7,066.0	7,080.0
No	Perforated	9/1/1962	7,104.0	7,108.0
No	Perforated	9/1/1962	7,112.0	7,120.0
No	Squeeze Perf	11/1/1960	7,140.0	7,140.0
No	Perforated	9/1/1962	7,353.0	7,360.0
No	Perforated	9/1/1962	7,375.0	7,387.0

Stimulation Intervals				
Start Date	Top (ftKB)	Strm (ftKB)	Proppant Total (lb)	Com
11/11/1960	6,980.0	7,084.0	0.0	
9/9/1960	7,353.0	7,387.0	0.0	
9/10/1962	7,104.0	7,120.0	0.0	
9/11/1962	7,066.0	7,080.0	0.0	
9/12/1962	7,009.0	7,029.0	0.0	
9/13/1962	6,896.0	6,906.0	0.0	