

# Surface Cement Job - Field Ticket

**Cementer's Well Service, Inc.**  
 P.O. BOX 336220 • GREELEY, CO 80633 •  
 (970) 690-1100

**Prairie Ridge #1**

**Date: Sep 19, 2024**

**CLIENT: St. Croix Operating**

**FIELD TICKET #: 102.0185.001**

**Address: PO Box 13799**  
 Denver CO 80201

**Invoice #:**  
**Invoice Approver**

**WBS #:**



Well Data			Cement Job Data	
<b>API #:</b>	05-121-11103	<b>State:</b> CO	<b>Time on Location:</b>	09-19-24 10:00
<b>Well Owner:</b>	St. Croix Operating	<b>County:</b> Weld	<b>Plug Down Time:</b>	09-19-24 12:15
<b>Lease:</b>	Prairie Ridge #1			
<b>Well Name:</b>				
<b>TD:</b> Depth @	455 ft.		Mixing Rate	4.0 BPM
<b>KB:</b> Pipe Landed @	447 ft.		Disp Rate	2.5 BPM
<b>Set:</b> Plug Landed @	413 ft.		Pre-Flush w/	20.00 BBLs Dye/Water
<b>Drilling Rig:</b> Other			Total Slurry Vol.	60.22 BBLs Cement
<b>Well Order#:</b> 1 of 1 on Pad			% Excess	50.00 %
<b>Type of Job:</b> Surface			Displace w/	25.77 BBLs Water
<b>Job Detail:</b> Location ID: 487085			Circulate>Returns	15 BBLs Cement
			Total Water Used	88.27 BBLs Water

Cement Slurry Properties		Pressure Test Results	
Slurry Vol	1.61 cu ft / sk	Final Lift @	120 PSI
Slurry Wt.	13.9 PPG	Landed Plug @	PSI
Water / Cement	8.5 gal/sk	10 min	PSI
Gel/Bentonite	3.00 %	20 min	PSI
Calcium Chloride	1.50 %	25 min	PSI
		30 min	PSI

#Order	Description	Quantity	Unit
1	Setup Charge	1.00	each
2	Data Acquisition System	1.00	each
3	Cement	210.00	SKS
6	Mileage Heavy Vehicle	540.00	mi
7	Mileage Pickup	270.00	mi
8	Pressure Test	0.00	each
9	Standby Time	0.00	hr
10	Additional Cement	0.00	SKS
11	Cement Hauling Charge	0.00	each



Received By:

Delivered By:

Adam, Nick, Ramses

Cementer's Well Service, Inc. does not assume any responsibility for any damage or liability resulting from our services. All pricing subject to review.



# Surface Cement Verification Report

Cementer's Well Service, Inc.  
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**COGCC Operator Guidance - RULE #308.A.B(2)A.ii**

## Job Information

<b>API #:</b>	05-121-11103	<b>Job Type:</b>	New Well -- Surface
<b>Well Owner:</b>	St. Croix Operating	<b>Cementing Company:</b>	Cementer's Well Service, Inc.
<b>Lease:</b>	Prairie Ridge #1	<b>Contact:</b>	Nate Kvamme, 303-324-4296
<b>Well Name:</b>		<b>Ambient Conditions:</b>	
<b>State:</b>	CO	<b>Temperature:</b>	deg F
<b>County:</b>	Weld		
<b>Job Date:</b>	Sep 19, 2024		
<b>Time on Location:</b>	Sep 19, 2024, 10:00		

## Slurry Description

<b>a) Purpose</b>	Surface
<b>b) Cement Class</b>	ASTM C595 Type IL
<b>c) Cement Yield</b>	1.61 cu ft / sk
<b>d) Cement Density</b>	13.9 PPG
<b>e) Number of sks</b>	210 sks
<b>f) Mix Fluid Type</b>	
Water / Cement	8.5 gal/sk
<b>g) Slurry Mixed</b>	60.22 BBLs Cement
<b>h) Additives Used</b>	Gel/Bentonite 3.00 % Calcium Chloride 1.50 %
<b>Total Water Used</b>	88.27 BBLs Water
<b>i) Displacement Fluid Vol</b>	25.77 BBLs Water
<b>j) Method of Placement</b>	N/A
<b>l) Stage Tool Depth</b>	N/A
<b>k) Set Depth</b>	Pipe Landed @ 447 ft.
<b>m) Float Collar Depth</b>	Plug Landed @ 413 ft.
<b>n) Designed top of Cement</b>	Returns to Surface (+)
<b>o) Centralizer Depths</b>	N/A

## Job Notes

<b>a) Plug Down</b>	Yes @ Sep 19, 2024, 12:15
	Landed Plug @ PSI
	Final Lift @ 120 PSI
<b>b) Floats Held</b>	Yes 1.0 BBLs back
<b>c) Full Returns</b>	Yes
<b>Lost Circulation</b>	No
<b>d) Cement to Surface</b>	Yes
	15 BBLs Cement
<b>e) If no returns, top off</b>	
<b>f) Top off Detail</b>	
<b>g) Additional Detail</b>	
<b>Charts -</b>	
<b>(Pressure, Density, Pump Rate &amp; Total BBLs)</b>	
	*see further attached

Cementer's Well Service, Inc.

**St. Croix Operating**

Cementer's Job ID: 4073

# Surface Cement Job Graph & Casing Test

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<b>Well Owner:</b>	St. Croix Operating	<b>County:</b>	Weld
<b>Lease:</b>	Prairie Ridge #1	<b>Time on Location:</b> 09-19-24 10:00	
<b>Well Name:</b>		<b>Plug Down Time:</b> 09-19-24 12:15	
<b>TD:</b> Depth @	455 ft.	<b>Casing Pressure Test Results (PSI)</b>	
<b>KB:</b> Pipe Landed @	447 ft.	Final Lift @	120 PSI
<b>Set:</b> Plug Landed @	413 ft.	Bumped Plug @	120 PSI
		Landed Plug @	PSI
		10 min	PSI
		20 min	PSI
		25 min	PSI
		30 min	PSI

