

# Cement Verification Report - Cementer's Well Service, Inc.

P.O. BOX 336220 • GREELEY, CO 80633 • (970) 353-7299 • FAX (970) 353-7712



COGCC Operator Guidance **RULE #308.A.B(2)A.ii**

CLIENT: PDC Energy	Cementer's FIELD TICKET #	300224-D
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**Requested Operator Guidance:**

Well Name & Number	Lease	Bost Farm	Well No.	9C - 8 - L
Well API Number	05-123-51452			
Job Date	1/6/22	Time on	20:30	24 hr time
Job Type	New Well Surface			
Cementing Company	Cementer's Well Service, Inc	Contact	Nate Kvamme - 303-324-4296	
Ambient conditions	snow	3	temp deg F	
Slurry Description				
a) Purpose	Surface - 9 5/8" 36# CSG, 12 1/4" hole			
b) Cement Class	Type I / II			
c) Cement Yield	1.61	cuft / sk		
d) Cement Density	13.9	PPG		
e) Number of sks	505	sks (94# equiv)		
f) Mix Fluid Type				
Water / Cement	8.5	Gal / sk		
g) Slurry mixed	143.3	BBLs slurry		
h) Additives used	1.50%	CaCl2	3.00%	Bentonite
Total Water Used	245.8	BBLs H2O		
i) Displacement Fluid Vol	123.6	BBLs H2O		
j) Method of Placement				
k) Set Depth	1,657	feet (ft)		
l) Stage tool depth	n/a			
m) Float Collar Depth	1,599	feet (ft)		
n) Designed Top of Cement	n/a	to surface		
o) Centralizer depths	0	feet (ft)		

**Charts - (pressure, density, pump rate)**

Landed Plug @ 1718 psi Final Lift Pressure @ 425 psi

Cement Density (as weighed during job) @ 13.9 PPG

**Job notes**

a) Plug down	Y / <b>N</b>	Time	1:18	24 hr time
b) Floats held	<b>Y</b> / N		1/6/22	
c) Full Returns	<b>Y</b> / N	Lost Circulation	Y / <b>N</b>	
d) Cement to surface	<b>Y</b> / N	14.0	BBLs to surface	
e) If no returns, top off	n/a	BBLs		
f) Top off detail				
g) Additional Detail	0			
	0			

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PDC Energy

## Casing Pressure Test Chart - Surface Cement Job Graph

### COMPANY DETAILS

Date	1/6/22	API #	05-123-51452	Well No.	9C - 8 - L
County	Weld	State	CO	Lease	Bost Farm

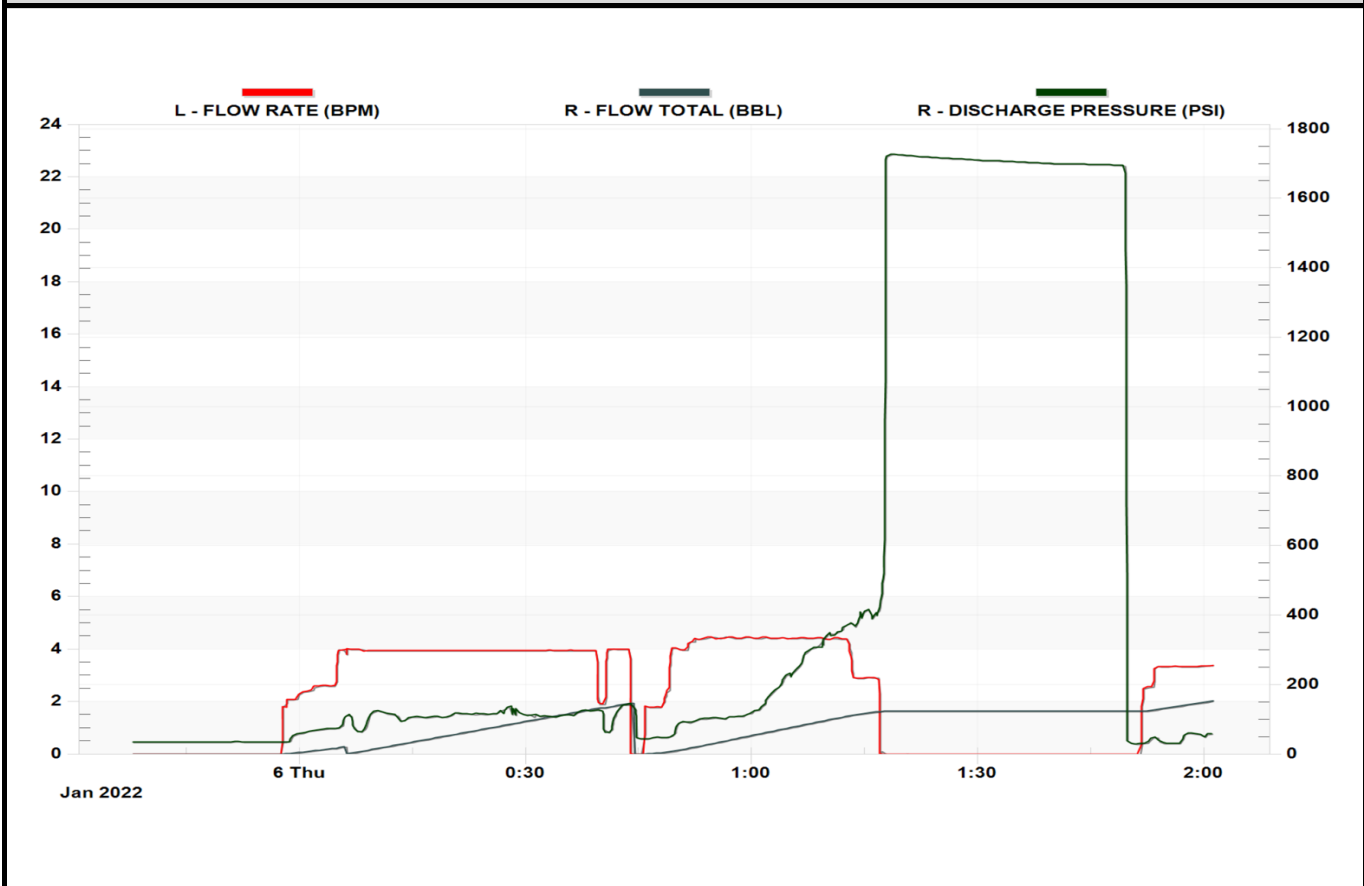
Client PDC Energy

Contact / email

### JOB DETAILS

TIME ON	20:30	24 hr	Depth	1,657	ft.	Pressure Test @	1,718	psi
START TIME	23:37	1/5/22	Bottom of Surface	1,657	ft.	10 min	1,710	psi
END TIME	2:01	1/6/22	Plug Landed @	1,599	ft.	20 min	1,705	psi
			Plug Landed @	1:18	24 hr	30 min	1,696	psi

### SUMMARY GRAPH





## Centralizer Depths

**Well Name: Bost Farm 9C-8-L**

**Surface, Set Depth: 1,656.8ftKB**

API 05123514520000		Surface Legal Location SWNW 7 5N 66W		Field Name Wattenberg		State CO		Well Configuration Type Horizontal	
Ground Elevation (ft) 4,874.00	Original KB Elevation (ft) 4,902.00	KB-Ground Distance (ft) 28.00	Spud Date 5/2/2022 22:00	Rig Release Date 5/6/2022 18:00	On Production Date	Abandon Date			

Casing Run Tally												
Run #	Ref #	Item Des	OD (in)	Wt (lb/ft)	Grade	Run?	Len (ft)	Centralized?	Ext Jw/ry	Connections	Top (ftKB)	Cum Len (ft)
2	1	Casing Joints	9 5/8	36.00	J-55	Yes	41.54	Yes			1,613.4	43.39
6	5	Casing Joints	9 5/8	36.00	J-55	Yes	41.55	Yes			1,447.3	209.55
10	9	Casing Joints	9 5/8	36.00	J-55	Yes	41.50	Yes			1,281.2	375.58
14	13	Casing Joints	9 5/8	36.00	J-55	Yes	41.52	Yes			1,115.2	541.62
18	17	Casing Joints	9 5/8	36.00	J-55	Yes	41.56	Yes			949.0	707.79
22	21	Casing Joints	9 5/8	36.00	J-55	Yes	41.57	Yes			782.8	874.00
26	25	Casing Joints	9 5/8	36.00	J-55	Yes	41.55	Yes			616.6	1,040.24
30	29	Casing Joints	9 5/8	36.00	J-55	Yes	41.51	Yes			450.5	1,206.34
34	33	Casing Joints	9 5/8	36.00	J-55	Yes	41.54	Yes			284.3	1,372.49
37	36	Casing Joints	9 5/8	36.00	J-55	Yes	41.55	Yes			160.2	1,496.63
39	38	Casing Joints	9 5/8	36.00	J-55	Yes	41.51	Yes			77.1	1,579.66