

# 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	Cementor's FIELD TICKET #	300229-D
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## Requested Operator Guidance:

Well Name & Number	Lease	Bost Farm		Well No.	16N - 8B - L
Well API Number	05-123-51455				
Job Date	1/9/22		Time on	9:45	24 hr time
Job Type	New Well   Surface				
Cementing Company	Cementer's Well Service, Inc		Contact	Nate Kvamme - 303-324-4296	
Ambient conditions	clear	28	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	489	sks (94# equiv)			
f) Mix Fluid Type					
Water / Cement	8.5	Gal / sk			
g) Slurry mixed	140.2	BBLs slurry			
h) Additives used	1.50%	CaCl2	3.00%	Bentonite	
Total Water Used	245.9	BBLs H2O			
i) Displacement Fluid Vol	126.9	BBLs H2O			
j) Method of Placement					
k) Set Depth	1,699	feet (ft)			
l) Stage tool depth	n/a				
m) Float Collar Depth	1,642	feet (ft)			
n) Designed Top of Cement	n/a	to surface			
o) Centralizer depths	0	feet (ft)			

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

Landed Plug @ 1599 psi Final Lift Pressure @ 425 psi

Cement Density (as weighed during job) @ 13.9 PPG

## Job notes

a) Plug down	<input checked="" type="radio"/> Y <input type="radio"/> N	Time	11:36	24 hr time
b) Floats held	<input checked="" type="radio"/> Y <input type="radio"/> N		1/9/22	
c) Full Returns	<input checked="" type="radio"/> Y <input type="radio"/> N	Lost Circulation	<input checked="" type="radio"/> Y <input type="radio"/> N	
d) Cement to surface	<input checked="" type="radio"/> Y <input type="radio"/> N	17.0	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

## Surface Casing Pressure Test - Cement Job Graph

### COMPANY DETAILS

Date	1/9/22	API #	05-123-51455	Well No.	16N - 8B - L
County	Weld	State	CO	Lease	Bost Farm

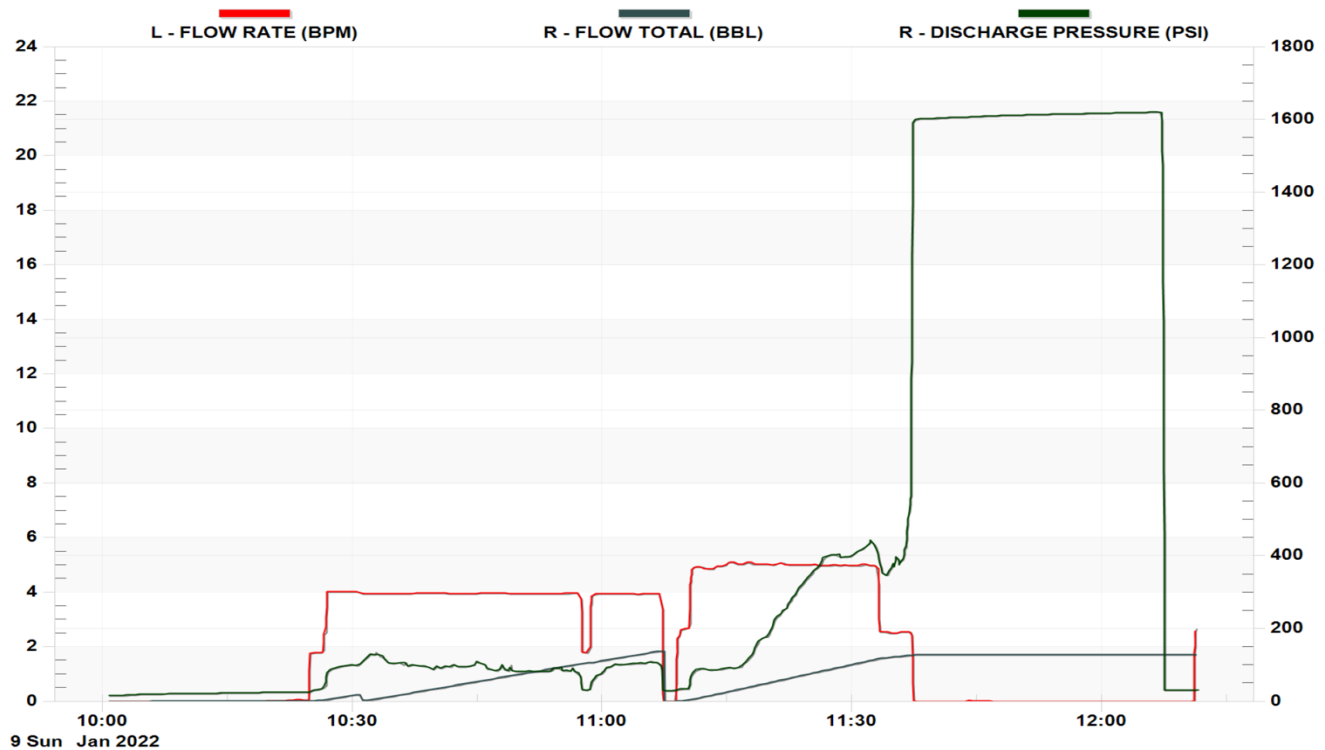
Client PDC Energy

Contact / email

### JOB DETAILS

TIME ON	9:45	24 hr	Depth	1,699	ft.	Pressure Test @	1,599	psi
START TIME	10:00	1/9/22	Bottom of Surface	1,699	ft.	10 min	1,608	psi
END TIME	12:11	1/9/22	Plug Landed @	1,642	ft.	20 min	1,620	psi
			Plug Landed @	11:36	24 hr	30 min	1,620	psi

### SUMMARY GRAPH





## Centralizer Depths

Well Name: Bost Farm 16N-8B-L

Surface, Set Depth: 1,698.7ftKB

API 05123514550000		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 4/5/2022 11:00		Rig Release Date 4/13/2022 10:30		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	41.53	Yes			1,655.3	43.38
6	5	Casing Joints	9 5/8	36.00	J-55	Yes	41.52	Yes			1,489.2	209.52
10	9	Casing Joints	9 5/8	36.00	J-55	Yes	41.51	Yes			1,323.1	375.59
14	13	Casing Joints	9 5/8	36.00	J-55	Yes	41.50	Yes			1,157.1	541.65
18	17	Casing Joints	9 5/8	36.00	J-55	Yes	41.52	Yes			990.9	707.84
22	21	Casing Joints	9 5/8	36.00	J-55	Yes	41.51	Yes			824.7	873.97
26	25	Casing Joints	9 5/8	36.00	J-55	Yes	41.51	Yes			658.7	1,040.04
30	29	Casing Joints	9 5/8	36.00	J-55	Yes	41.51	Yes			492.6	1,206.09
34	33	Casing Joints	9 5/8	36.00	J-55	Yes	41.51	Yes			326.6	1,372.11
38	37	Casing Joints	9 5/8	36.00	J-55	Yes	41.51	Yes			160.6	1,538.11
40	39	Casing Joints	9 5/8	36.00	J-55	Yes	41.53	Yes			77.5	1,621.17