

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 #	300227-D
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Requested Operator Guidance:

Well Name & Number	Lease	Bost Farm	Well No.	16C - 8 - L
Well API Number	05-123-51450			
Job Date	1/8/22	Time on	1:00	24 hr time
Job Type	New Well Surface			
Cementing Company	Cementer's Well Service, Inc	Contact	Nate Kvamme - 303-324-4296	
Ambient conditions	clear	17	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	512	sks (94# equiv)		
f) Mix Fluid Type				
	Water / Cement	8.5	Gal / sk	
g) Slurry mixed	145.5	BBLs slurry		
h) Additives used	1.50%	CaCl2	3.00%	Bentonite
Total Water Used	250.5	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 @ 1530 psi Final Lift Pressure @ 425 psi

Cement Density (as weighed during job) @ 13.9 PPG

Job notes

a) Plug down	Y / <u>N</u>	Time	3:23	24 hr time
b) Floats held	<u>Y</u> / N		1/8/22	
c) Full Returns	<u>Y</u> / N	Lost Circulation	Y / <u>N</u>	
d) Cement to surface	<u>Y</u> / N	20.0	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	1/8/22	API #	05-123-51450	Well No.	16C - 8 - L
County	Weld	State	CO	Lease	Bost Farm

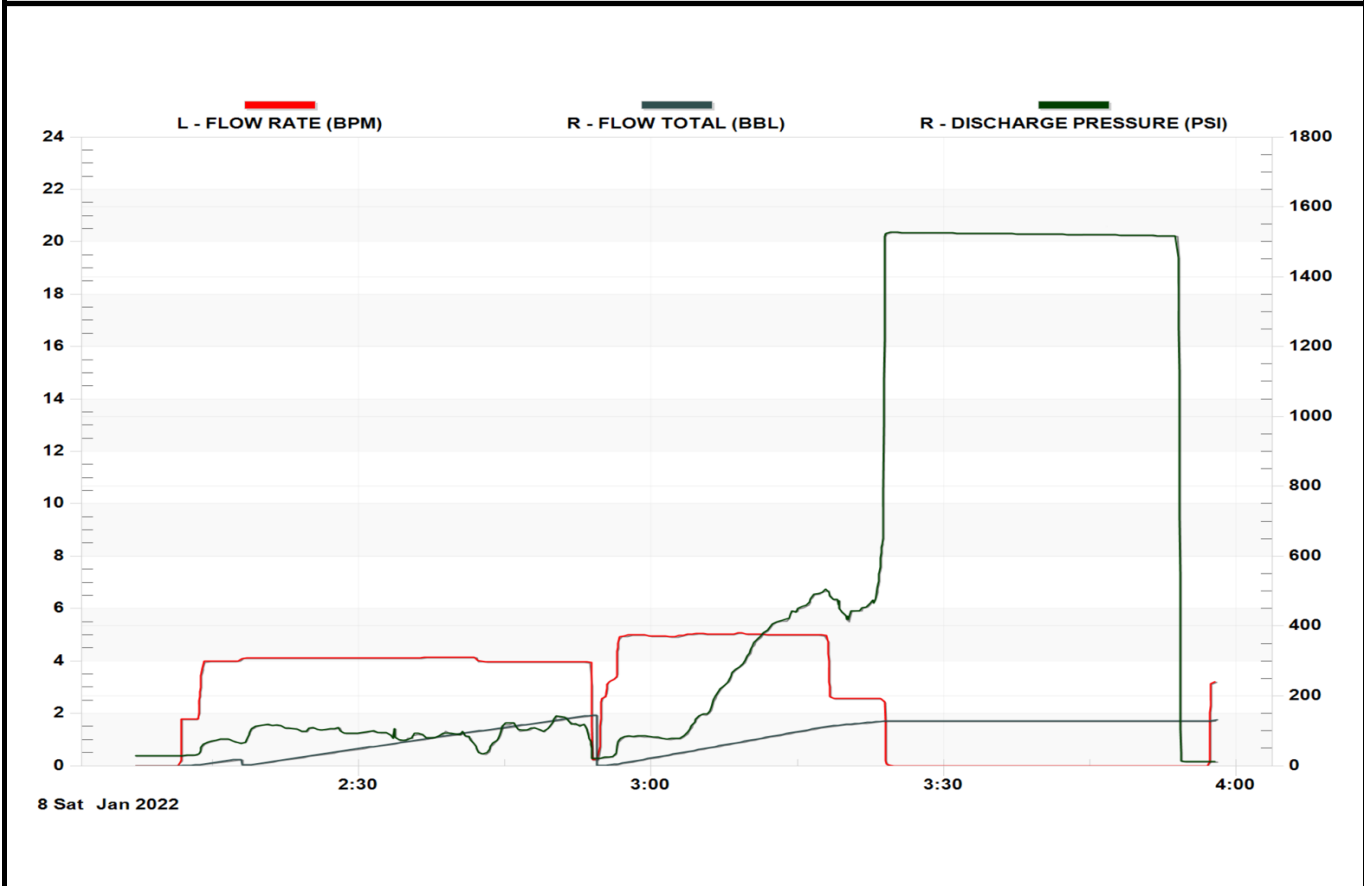
Client PDC Energy

Contact / email

JOB DETAILS

TIME ON	1:00	24 hr	Depth	1,699	ft.	Pressure Test @	1,530	psi
START TIME	2:07	1/8/22	Bottom of Surface	1,699	ft.	10 min	1,525	psi
END TIME	3:58	1/8/22	Plug Landed @	1,642	ft.	20 min	1,522	psi
			Plug Landed @	3:23	24 hr	30 min	1,518	psi

SUMMARY GRAPH





Centralizer Depths

Well Name: Bost Farm 16C-8-L

Surface, Set Depth: 1,699.2ftKB

API 0512351450000		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 4/14/2022 05:00	Rig Release Date 4/17/2022 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	41.52	Yes			1,655.8	43.37
6	5	Casing Joints	9 5/8	36.00	J-55	Yes	41.52	Yes			1,489.7	209.49
10	9	Casing Joints	9 5/8	36.00	J-55	Yes	41.54	Yes			1,323.6	375.60
14	13	Casing Joints	9 5/8	36.00	J-55	Yes	41.55	Yes			1,157.5	541.69
18	17	Casing Joints	9 5/8	36.00	J-55	Yes	41.56	Yes			991.3	707.90
22	21	Casing Joints	9 5/8	36.00	J-55	Yes	41.51	Yes			825.1	874.07
26	25	Casing Joints	9 5/8	36.00	J-55	Yes	41.52	Yes			659.1	1,040.12
30	29	Casing Joints	9 5/8	36.00	J-55	Yes	41.53	Yes			492.9	1,206.26
34	33	Casing Joints	9 5/8	36.00	J-55	Yes	41.54	Yes			326.8	1,372.45
38	37	Casing Joints	9 5/8	36.00	J-55	Yes	41.51	Yes			160.7	1,538.52
40	39	Casing Joints	9 5/8	36.00	J-55	Yes	41.55	Yes			77.6	1,621.59