

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 #	300231-D
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Requested Operator Guidance:

Well Name & Number	Lease	Bost Farm		Well No.	38N - 8C - L
Well API Number	05-123-51456				
Job Date	1/10/22		Time on	18:40	24 hr time
Job Type	New Well Surface				
Cementing Company	Cementer's Well Service, Inc		Contact	Nate Kvamme - 303-324-4296	
Ambient conditions	clear		14	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	523	sks (94# equiv)			
f) Mix Fluid Type					
	Water / Cement	8.5	Gal / sk		
g) Slurry mixed	150.0	BBLs slurry			
h) Additives used	1.50%	CaCl2	3.00%	Bentonite	
Total Water Used	256.0	BBLs H2O			
i) Displacement Fluid Vol	130.2	BBLs H2O			
j) Method of Placement					
k) Set Depth	1,741	feet (ft)			
l) Stage tool depth	n/a				
m) Float Collar Depth	1,684	feet (ft)			
n) Designed Top of Cement	n/a	to surface			
o) Centralizer depths	0				feet (ft)

Charts - (pressure, density, pump rate)

Landed Plug @ 1545 psi Final Lift Pressure @ 500 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	22:56	24 hr time
b) Floats held	<input checked="" type="radio"/> Y <input type="radio"/> N		1/10/22	
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	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	1/10/22	API #	05-123-51456	Well No.	38N - 8C - L
County	Weld	State	CO	Lease	Bost Farm

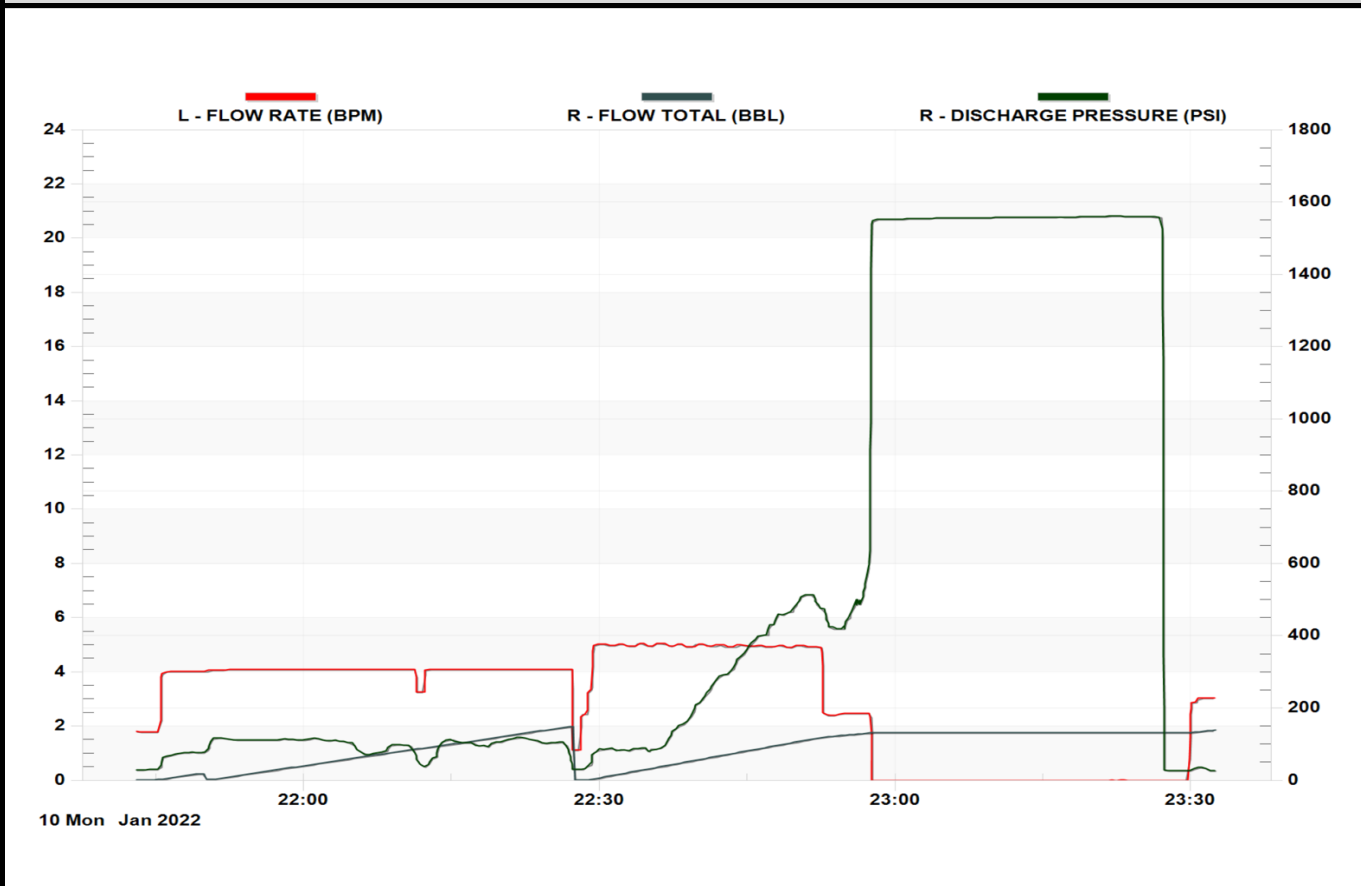
Client PDC Energy

Contact / email

JOB DETAILS

TIME ON	18:40	24 hr	Depth	1,741	ft.	Pressure Test @	1,545	psi
START TIME	21:43	1/10/22	Bottom of Surface	1,741	ft.	10 min	1,556	psi
END TIME	23:32	1/10/22	Plug Landed @	1,684	ft.	20 min	1,559	psi
			Plug Landed @	22:56	24 hr	30 min	1,562	psi

SUMMARY GRAPH





Centralizer Depths

Well Name: Bost Farm 38N-8C-L

Surface, Set Depth: 1,741.2ftKB

API 05123514560000		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 3/24/2022 22:30		Rig Release Date 3/29/2022 19:30		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	41.57	Yes			1,697.8	43.42
6	5	Casing Joints	9 5/8	36.00	J-55	Yes	41.56	Yes			1,531.6	209.65
10	9	Casing Joints	9 5/8	36.00	J-55	Yes	41.57	Yes			1,365.3	375.89
14	13	Casing Joints	9 5/8	36.00	J-55	Yes	41.56	Yes			1,199.1	542.11
18	17	Casing Joints	9 5/8	36.00	J-55	Yes	41.55	Yes			1,033.3	707.90
22	21	Casing Joints	9 5/8	36.00	J-55	Yes	41.56	Yes			867.1	874.14
26	25	Casing Joints	9 5/8	36.00	J-55	Yes	41.57	Yes			700.8	1,040.41
30	29	Casing Joints	9 5/8	36.00	J-55	Yes	41.55	Yes			534.6	1,206.61
34	33	Casing Joints	9 5/8	36.00	J-55	Yes	41.56	Yes			368.4	1,372.80
38	37	Casing Joints	9 5/8	36.00	J-55	Yes	41.53	Yes			202.2	1,538.99
41	40	Casing Joints	9 5/8	36.00	J-55	Yes	41.52	Yes			77.6	1,663.60