

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 #	300222-D
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Requested Operator Guidance:

Well Name & Number	Lease	Bost Farm	Well No.	9N - 8C - L
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Well API Number	05-123-51446
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Job Date	1/4/21	Time on	12:15	24 hr time
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Job Type	New Well Surface
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Cementing Company	Cementor's Well Service, Inc	Contact	Nate Kvamme - 303-324-4296
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Ambient conditions	clear	41	temp deg F
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Slurry Description	
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a) Purpose	Surface - 9 5/8" 36# CSG, 12 1/4" hole
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b) Cement Class	Type I / II
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c) Cement Yield	1.61	cuft / sk
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d) Cement Density	13.9	PPG
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e) Number of sks	501	sks (94# equiv)
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f) Mix Fluid Type	
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Water / Cement	8.5	Gal / sk
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g) Slurry mixed	142.1	BBLs slurry
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h) Additives used	1.50% CaCl2	3.00% Bentonite
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Total Water Used	245.2	BBLs H2O
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i) Displacement Fluid Vol	123.8	BBLs H2O
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j) Method of Placement	
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k) Set Depth	1,659	feet (ft)
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l) Stage tool depth	n/a
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m) Float Collar Depth	1,601	feet (ft)
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n) Designed Top of Cement	n/a	to surface
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o) Centralizer depths	0	feet (ft)
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Charts - (pressure, density, pump rate)

Landed Plug @	1570	psi	Final Lift Pressure @	400	psi
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Cement Density (as weighed during job) @	13.9	PPG
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Job notes

a) Plug down	<input checked="" type="radio"/> Y / <input type="radio"/> N	Time	14:05	24 hr time
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b) Floats held	<input checked="" type="radio"/> Y / <input type="radio"/> N	1/4/21
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c) Full Returns	<input checked="" type="radio"/> Y / <input type="radio"/> N	Lost Circulation	<input checked="" type="radio"/> Y / <input type="radio"/> N
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d) Cement to surface	<input checked="" type="radio"/> Y / <input type="radio"/> N	15.0	BBLs to surface
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e) If no returns, top off	n/a	BBLs
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f) Top off detail	
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PDC Energy

Surface Cement Job Graph

COMPANY DETAILS

Date	1/4/21	API #	05-123-51446	Well No.	9N - 8C - L
County	Weld	State	CO	Lease	Bost Farm

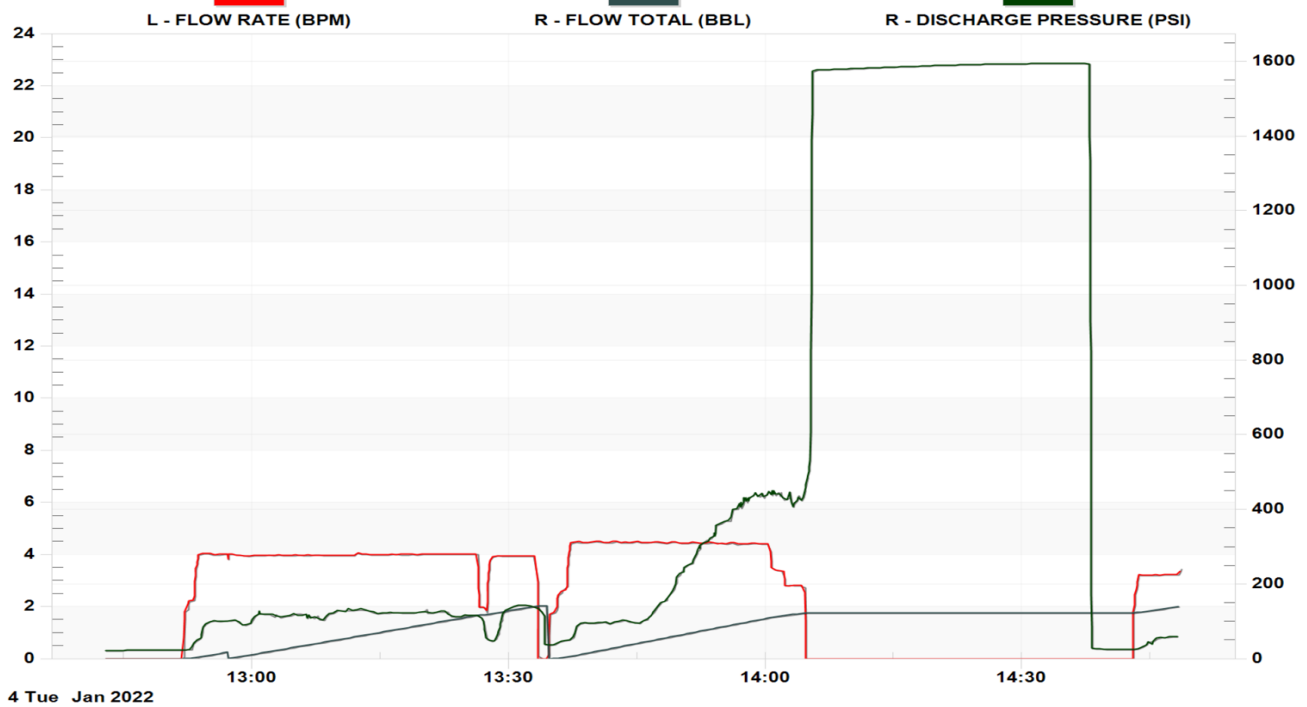
Client PDC Energy

Contact / email

JOB DETAILS

TIME ON	12:15	24 hr	Depth	1,659	ft.	Pressure Test @	1,570	psi
START TIME	12:42	1/4/21	Bottom of Surface	1,659	ft.	10 min	1,582	psi
END TIME	14:48	1/4/21	Plug Landed @	1,601	ft.	20 min	1,592	psi
			Plug Landed @	14:05	24 hr	30 min	1,595	psi

SUMMARY GRAPH





Centralizer Depths

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

Surface, Set Depth: 1,658.6ftKB

API 05123514460000		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 5/12/2022 14:30		Rig Release Date 5/16/2022 13:30		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	41.56	Yes			1,615.2	43.41
6	5	Casing Joints	9 5/8	36.00	J-55	Yes	41.86	Yes			1,448.3	210.27
10	9	Casing Joints	9 5/8	36.00	J-55	Yes	41.84	Yes			1,281.2	377.40
14	13	Casing Joints	9 5/8	36.00	J-55	Yes	41.57	Yes			1,114.8	543.85
18	17	Casing Joints	9 5/8	36.00	J-55	Yes	41.58	Yes			948.5	710.14
22	21	Casing Joints	9 5/8	36.00	J-55	Yes	41.58	Yes			782.2	876.44
26	25	Casing Joints	9 5/8	36.00	J-55	Yes	41.56	Yes			616.7	1,041.91
30	29	Casing Joints	9 5/8	36.00	J-55	Yes	41.54	Yes			450.5	1,208.12
34	33	Casing Joints	9 5/8	36.00	J-55	Yes	41.18	Yes			284.6	1,374.00
37	36	Casing Joints	9 5/8	36.00	J-55	Yes	41.54	Yes			159.9	1,498.66
39	38	Casing Joints	9 5/8	36.00	J-55	Yes	41.14	Yes			77.2	1,581.36