

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 #	300218-D
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Requested Operator Guidance:

Well Name & Number	Lease	Schrute	Well No.	10N
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Well API Number	05-123-50953
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Job Date	12/30/21	Time on	15:15	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	47	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	831 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	236.6 BBLs slurry
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h) Additives used	1.50% CaCl2	3.00% Bentonite
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Total Water Used	315.0 BBLs H2O
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i) Displacement Fluid Vol	126.8 BBLs H2O
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j) Method of Placement	
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k) Set Depth	1,684 feet (ft)
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l) Stage tool depth	n/a
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m) Float Collar Depth	1,641 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 @	1674 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	17:36	24 hr time
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b) Floats held	<input checked="" type="radio"/> Y / <input type="radio"/> N	12/30/21
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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	25.0 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	12/30/21	API #	05-123-50953	Well No.	10N
County	Weld	State	CO	Lease	Schrute

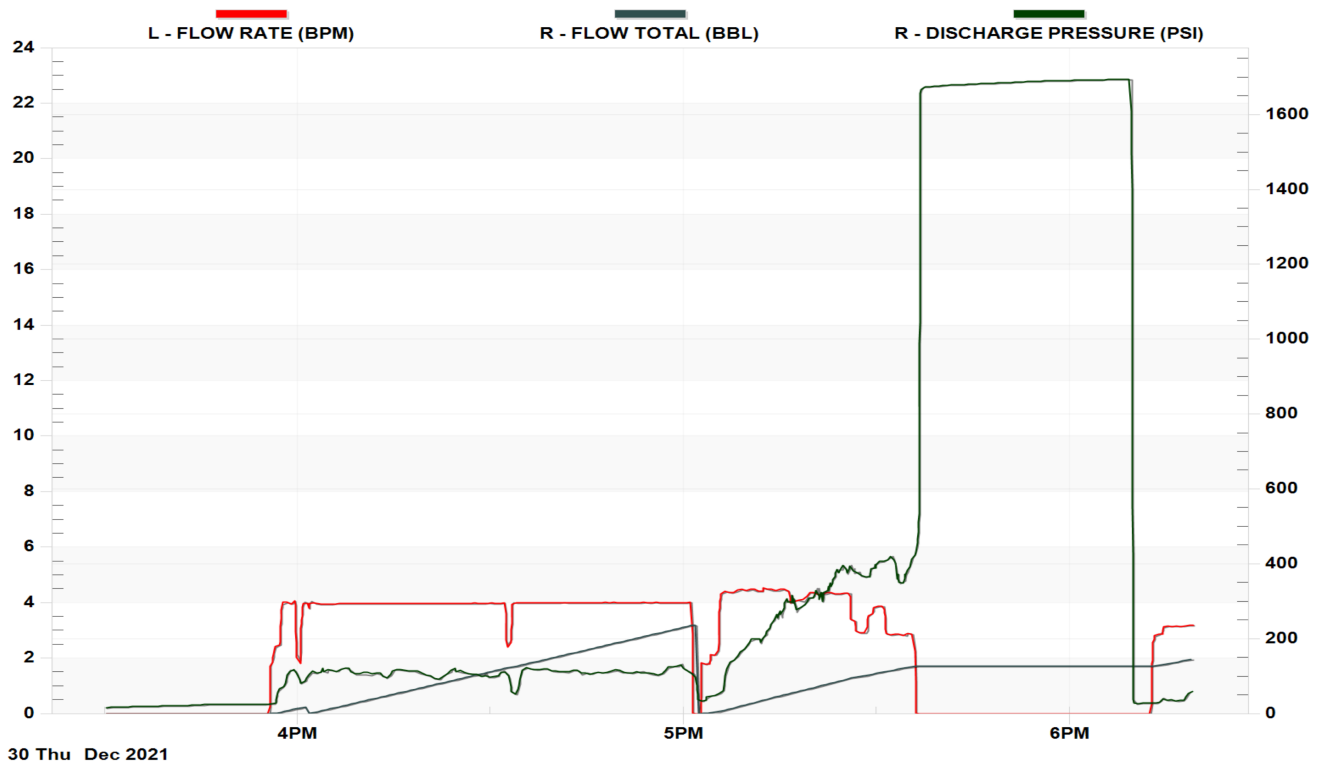
Client PDC Energy

Contact / email

JOB DETAILS

TIME ON	15:15	24 hr	Depth	1,693	ft.	Pressure Test @	1,674	psi
START TIME	15:30	12/30/21	Bottom of Surface	1,684	ft.	10 min	1,685	psi
END TIME	18:19	12/30/21	Plug Landed @	1,641	ft.	20 min	1,690	psi
			Plug Landed @	17:36	24 hr	30 min	1,694	psi

SUMMARY GRAPH





Centralizer Depths

Well Name: Schrute 10N

Surface, Set Depth: 1,683.8ftKB

API 05123509530000		Surface Legal Location NESW 16 5N 64W		Field Name Wattenberg		State CO		Well Configuration Type Horizontal	
Ground Elevation (ft) 4,613.00	Original KB Elevation (ft) 4,626.00	KB-Ground Distance (ft) 13.00		Spud Date	Rig Release Date	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	41.83	Yes			1,640.1	43.68
6	5	Casing Joints	9 5/8	36.00	J-55	Yes	41.51	Yes			1,474.0	209.81
10	9	Casing Joints	9 5/8	36.00	J-55	Yes	41.56	Yes			1,307.9	375.92
14	13	Casing Joints	9 5/8	36.00	J-55	Yes	41.51	Yes			1,141.8	541.98
18	17	Casing Joints	9 5/8	36.00	J-55	Yes	41.53	Yes			975.7	708.08
22	21	Casing Joints	9 5/8	36.00	J-55	Yes	41.53	Yes			809.6	874.16
26	25	Casing Joints	9 5/8	36.00	J-55	Yes	41.56	Yes			643.5	1,040.28
30	29	Casing Joints	9 5/8	36.00	J-55	Yes	41.55	Yes			477.4	1,206.42
34	33	Casing Joints	9 5/8	36.00	J-55	Yes	41.54	Yes			311.3	1,372.53
38	37	Casing Joints	9 5/8	36.00	J-55	Yes	41.54	Yes			145.1	1,538.66
40	39	Casing Joints	9 5/8	36.00	J-55	Yes	41.55	Yes			62.1	1,621.74