

Cement Verification Report - Cemente'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	Cemente's FIELD TICKET #	300355-D
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Requested Operator Guidance:

Well Name & Number	Lease	Stugart	Well No.	01N
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Well API Number	05-123-51265
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Job Date	7/25/22	Time on	17:00	24 hr time
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Job Type	New Well Surface
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Cementing Company	Cemente's Well Service, Inc	Contact	Nate Kvamme - 303-324-4296
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Ambient conditions	clear	72	temp deg F
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Slurry Description	
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a) Purpose	Surface - 9 5/8" 36# CSG, 13 1/2" hole
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b) Cement Class	ASTM C150 Type 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	782 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	224.0 BBLs slurry
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h) Additives used	1.5% CaCl2	3.0% Bentonite
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Total Water Used	317.4 BBLs H2O
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i) Displacement Fluid Vol	129.2 BBLs H2O
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j) Method of Placement	
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k) Set Depth	1,712 feet (ft)
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l) Stage tool depth	n/a
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m) Float Collar Depth	1,671 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 @	1664 psi	Final Lift Pressure @	280 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	20:30	24 hr time
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b) Floats held	<input checked="" type="radio"/> Y / <input type="radio"/> N	7/25/22
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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	35.0 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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g) Additional Detail	
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Cementer's Well Service, Inc.

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PDC Energy

Surface Cement Job Graph & Casing Pressure Test

COMPANY DETAILS

Date	7/25/22	API #	05-123-51265	Well No.	01N
County	Weld	State	CO	Lease	Stugart

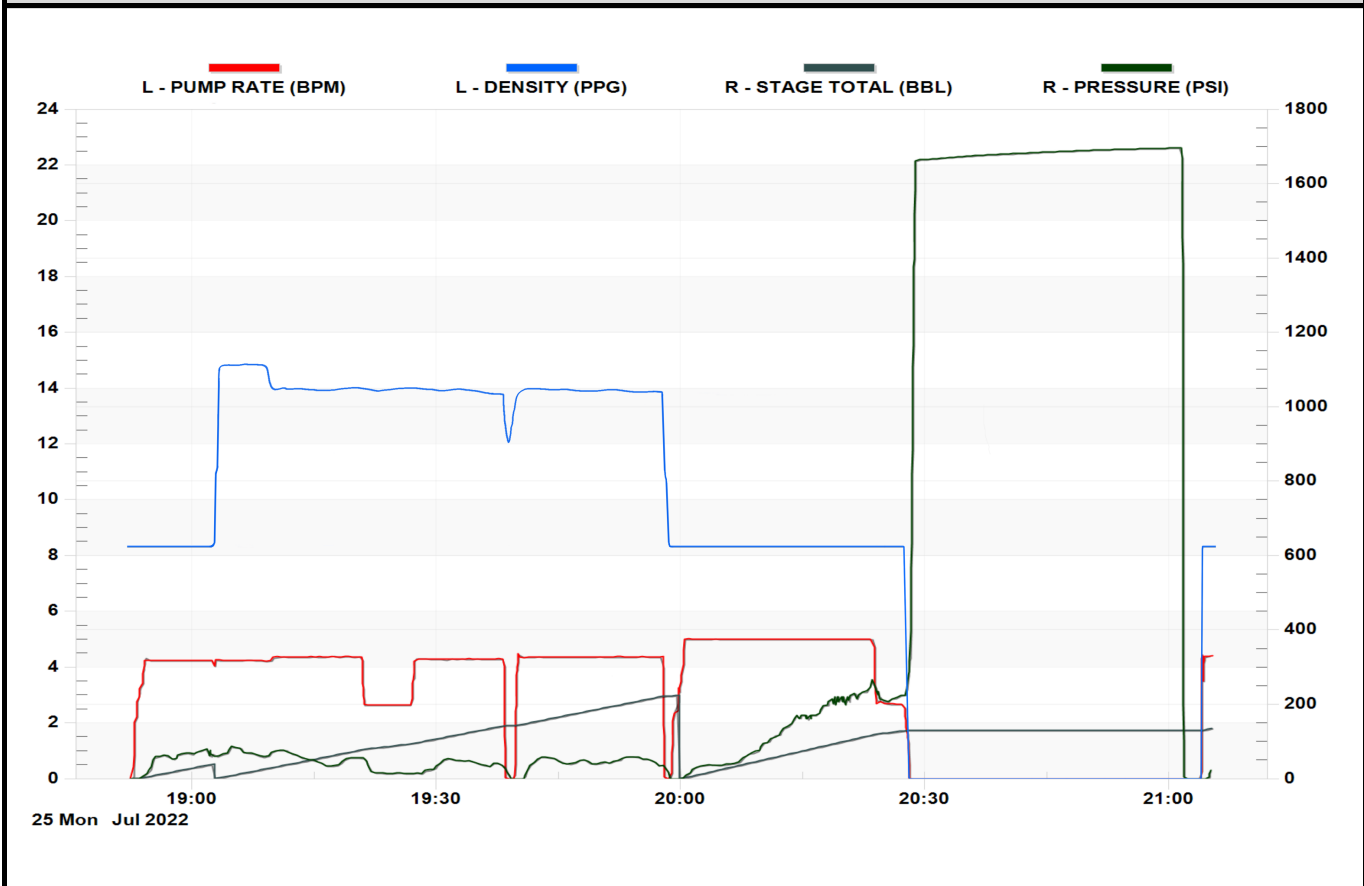
Client PDC Energy

Contact / email _____

JOB DETAILS

TIME ON	17:00	24 hr	Depth	1,722	ft.	Pressure Test @	1,664	psi
START TIME	18:52	7/25/22	Bottom of Surface	1,712	ft.	10 min	1,680	psi
END TIME	21:05	7/25/22	Plug Landed @	1,671	ft.	20 min	1,690	psi
			Plug Landed @	20:30	24 hr	30 min	1,695	psi

SUMMARY GRAPH





Centralizer Depths

Well Name: STUGART STATE 01N

Surface, Set Depth: 1,712.3ftKB

API 05123512650000		Surface Legal Location SENW 20-5N-66W		Field Name Wattenberg		State CO		Well Configuration Type Horizontal		
Ground Elevation (ft) 4,885.00	Original KB Elevation (ft) 4,898.00	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		Casing joints	9 5/8	36.00	J-55	Yes	41.42	Yes		LT&C	1,669.0	43.27
3		Casing joints	9 5/8	36.00	J-55	Yes	41.41	Yes		LT&C	1,627.6	84.68
4		Casing joints	9 5/8	36.00	J-55	Yes	41.43	Yes		LT&C	1,586.2	126.11
8		Casing joints	9 5/8	36.00	J-55	Yes	41.37	Yes		LT&C	1,421.2	291.13
12		Casing joints	9 5/8	36.00	J-55	Yes	41.36	Yes		LT&C	1,255.7	456.60
16		Casing joints	9 5/8	36.00	J-55	Yes	41.42	Yes		LT&C	1,095.3	617.05
20		Casing joints	9 5/8	36.00	J-55	Yes	41.39	Yes		LT&C	929.8	782.54
24		Casing joints	9 5/8	36.00	J-55	Yes	41.41	Yes		LT&C	764.2	948.08
28		Casing joints	9 5/8	36.00	J-55	Yes	41.39	Yes		LT&C	598.7	1,113.64
32		Casing joints	9 5/8	36.00	J-55	Yes	41.39	Yes		LT&C	433.1	1,279.16
36		Casing joints	9 5/8	36.00	J-55	Yes	40.24	Yes		LT&C	268.8	1,443.54