

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 #	300434-D
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Requested Operator Guidance:

Well Name & Number	Lease	Spinney	Well No.	01N
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Well API Number	05-123-51636
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Job Date	2/26/23	Time on	5:00	2/26/23	24 hr time
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Job Type	New Well Surface
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Cementing Company	Cementer's Well Service, Inc	Contact	Nate Kvamme - 303-324-4296
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Ambient conditions	clear	33	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	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	792	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	226.9	BBLs slurry
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h) Additives used	1.50% CaCl2	3.00% Bentonite
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Total Water Used	320.8	BBLs H2O
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i) Displacement Fluid Vol	130.5	BBLs H2O
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j) Method of Placement	
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k) Set Depth	1,729	feet (ft)
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l) Stage tool depth	n/a
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m) Float Collar Depth	1,688	feet (ft)
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n) Designed Top of Cement	n/a	to surface
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o) Centralizer depths	-	feet (ft)
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Charts - (pressure, density, pump rate)

Landed Plug @	1,630	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	8:07	24 hr time
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b) Floats held	<input checked="" type="radio"/> Y / <input type="radio"/> N		2/26/23
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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	20.0	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	0
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PDC Energy

Surface Casing Pressure Test - Cement Job Graph

COMPANY DETAILS

Date	2/26/23	API #	05-123-51636	Well No.	01N
County	Weld	State	CO	Lease	Spinney

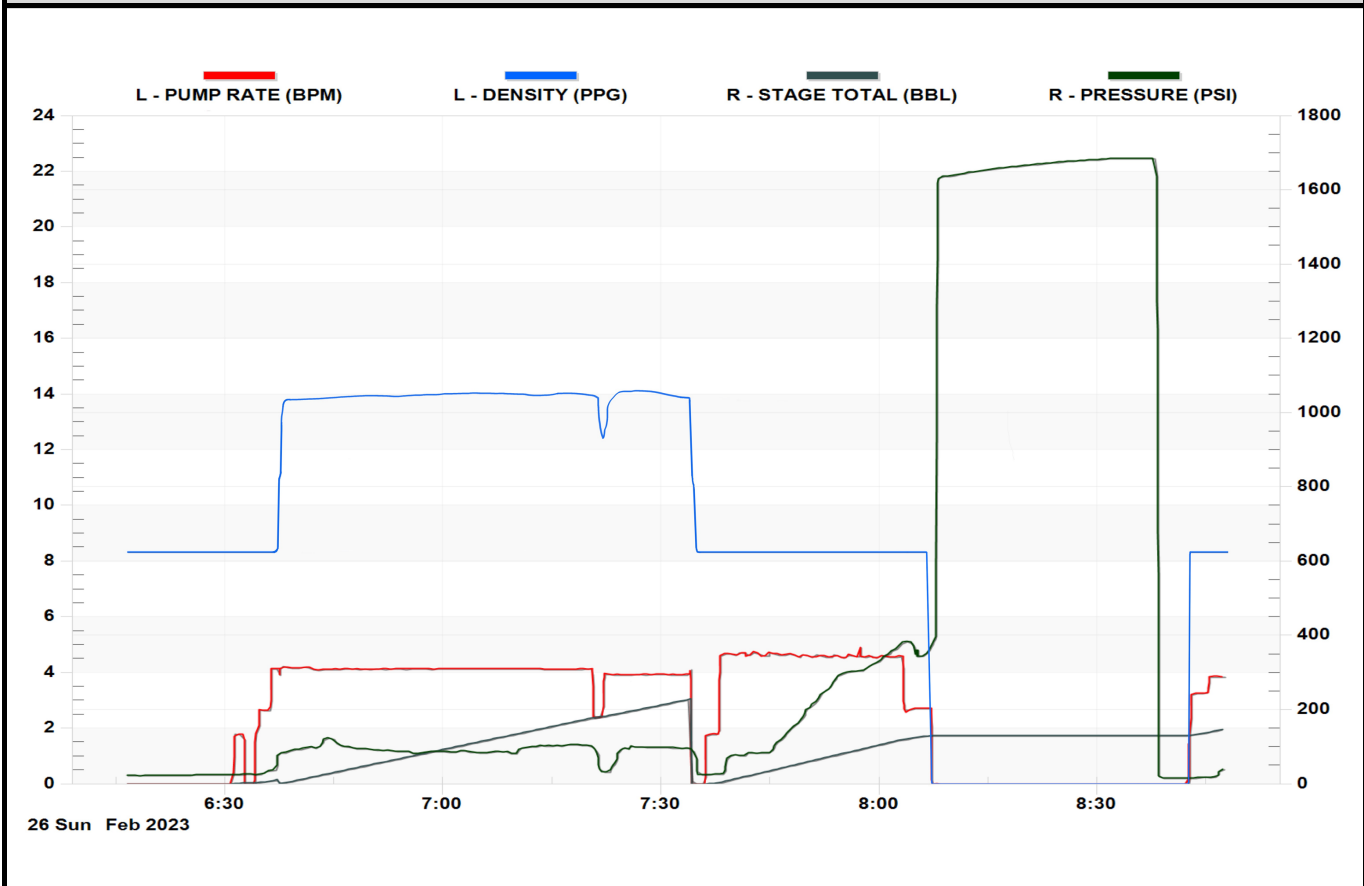
Client PDC Energy

Contact / email

JOB DETAILS

TIME ON	5:00	2/26/23	Depth	1,739	ft.	Pressure Test @	1,630	psi
START TIME	6:16	2/26/23	Bottom of Surface	1,729	ft.	10 min	1,660	psi
END TIME	8:47	2/26/23	Plug Landed @	1,688	ft.	20 min	1,679	psi
			Plug Landed @	8:07	24 hr	30 min	1,686	psi

SUMMARY GRAPH





Centralizer Depths

Well Name: Spinney 01N

Surface, Set Depth: 1,744.8ftKB

API 05123516360000	Surface Legal Location SWSW 9 3N 66W	Field Name Wattenberg	State CO	Well Configuration Type Horizontal		
Ground Elevation (ft) 4,861.00	Original KB Elevation (ft) 4,889.50	KB-Ground Distance (ft) 28.50	Spud Date 4/28/2023 13:30	Rig Release Date 5/6/2023 19:00	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	41.10	Yes		LT&C	1,702.3	42.53
4	2	Casing joints	9 5/8	36.00	J-55	Yes	41.00	Yes		LT&C	1,660.0	84.85
5	3	Casing joints	9 5/8	36.00	J-55	Yes	41.13	Yes		LT&C	1,618.8	125.98
9	7	Casing joints	9 5/8	36.00	J-55	Yes	40.42	Yes		LT&C	1,456.4	288.45
13	11	Casing joints	9 5/8	36.00	J-55	Yes	41.01	Yes		LT&C	1,293.4	451.36
17	15	Casing joints	9 5/8	36.00	J-55	Yes	41.03	Yes		LT&C	1,130.0	614.83
21	19	Casing joints	9 5/8	36.00	J-55	Yes	40.93	Yes		LT&C	967.1	777.72
25	23	Casing joints	9 5/8	36.00	J-55	Yes	41.05	Yes		LT&C	804.0	940.80
29	27	Casing joints	9 5/8	36.00	J-55	Yes	41.00	Yes		LT&C	642.3	1,102.52
33	31	Casing joints	9 5/8	36.00	J-55	Yes	40.60	Yes		LT&C	480.3	1,264.51
37	35	Casing joints	9 5/8	36.00	J-55	Yes	39.15	Yes		LT&C	319.2	1,425.63
41	39	Casing joints	9 5/8	36.00	J-55	Yes	40.52	Yes		LT&C	157.7	1,587.14
43	41	Casing joints	9 5/8	36.00	J-55	Yes	40.42	Yes		LT&C	76.5	1,668.28