

Cement Verification Report - Cementer's Well Service, Inc.

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COGCC Operator Guidance RULE #308.A.B(2)A.ii

CLIENT: PDC Energy	Cementor's FIELD TICKET #	300191-D
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Requested Operator Guidance:

Well Name & Number	Lease	Watermelon	Well No.	1N
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Well API Number	05-123-50729
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Job Date	10/31/21	Time on	3:45	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	38	temp deg F
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Slurry Description	
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a) Purpose	Surface - 9 5/8" 40# 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	660 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	189.3 BBLs slurry
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h) Additives used	1.50% CaCl2	3.00% Bentonite
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Total Water Used	280.5 BBLs H2O
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i) Displacement Fluid Vol	126.9 BBLs H2O
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j) Method of Placement	
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k) Set Depth	1,681 feet (ft)
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l) Stage tool depth	n/a
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m) Float Collar Depth	1,642 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 @	1750 psi	Final Lift Pressure @	450 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	6:15	24 hr time
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b) Floats held	<input checked="" type="radio"/> Y / <input type="radio"/> N	10/31/21
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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	26.0 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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Centralizer Depths

Well Name: Watermelon 1N

Surface, Set Depth: 1,680.8ftKB

API 05123507290000		Surface Legal Location NWNW 16 5N 64W		Field Name Wattenberg		State CO		Well Configuration Type Horizontal	
Ground Elevation (ft) 4,610.00	Original KB Elevation (ft) 4,623.00	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	38.42	Yes		LT&C	1,640.5	40.27
6		Casing Joints	9 5/8	36.00	J-55	Yes	41.80	Yes		LT&C	1,473.3	207.54
10		Casing Joints	9 5/8	36.00	J-55	Yes	41.86	Yes		LT&C	1,306.0	374.82
11		Casing Joints	9 5/8	36.00	J-55	Yes	41.82	Yes		LT&C	1,264.2	416.64
14		Casing Joints	9 5/8	36.00	J-55	Yes	41.81	Yes		LT&C	1,138.7	542.09
18		Casing Joints	9 5/8	36.00	J-55	Yes	41.81	Yes		LT&C	971.4	709.37
22		Casing Joints	9 5/8	36.00	J-55	Yes	41.80	Yes		LT&C	804.2	876.62
26		Casing Joints	9 5/8	36.00	J-55	Yes	38.51	Yes		LT&C	643.9	1,036.92
30		Casing Joints	9 5/8	36.00	J-55	Yes	41.82	Yes		LT&C	476.6	1,204.21
34		Casing Joints	9 5/8	36.00	J-55	Yes	41.84	Yes		LT&C	312.9	1,367.87
38		Casing Joints	9 5/8	36.00	J-55	Yes	41.84	Yes		LT&C	145.7	1,535.15
40		Casing Joints	9 5/8	36.00	J-55	Yes	41.85	Yes		LT&C	62.0	1,618.82