

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

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COGCC Operator Guidance

RULE #308.A.B(2)A.ii



CLIENT: PDC - Petroleum Development Corp	Cementor's FIELD TICKET #	210195
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Requested Operator Guidance:

1) Well Name & Number	Lease	Chalk	Well No.	10C
2) Well API Number	05-123-48615			
3) Job Date	10/19/20	Time on	10:30	24 hr time
4) Job Type	New Well Surface			
5) Cementing Company	Cementor's Well Service, Inc	Contact	Nate Kvamme - 303-324-4296	
6) Ambient conditions	clear / rain / snow / other		temp deg F	
7) Slurry Description				
a) Purpose	Surface - 9 5/8" CSG, 12 1/4" hole			
b) Cement Class	Type I / II			
c) Cement Yield	1.61	cuft / sk		
d) Cement Density	13.9	PPG		
e) Number of sks	590	sks (94# equiv)		
f) Cement Volume (dry)	590	cuft (ft^3)		
g) Mix Fluid Type				
Water / Cement	8.5	Gal / sk		
h) Slurry mixed	169.1	BBLs slurry		
i) Additives used	1.50%	CaCl2		
	3.00%	Bentonite		
j) Displacement Fluid Vol	138.1	BBLs H2O		
k) Method of Placement				
l) Set Depth	1,827	feet (ft)		
m) Stage tool depth	n/a			
n) Float Collar Depth	1,787	feet (ft)		
o) Designed Top of Cement	n/a	to surface		
p) Centralizer depths	feet (ft)			
8) Charts - (pressure, density, pump rate)				
Landed Plug @	750	psi	Final Lift Pressure @	500 psi
Cement Density (as weighed during job) @	13.9	PPG		
9) Job notes				
a) Plug down	Y/N	Time	12:20	24 hr time
b) Floats held	Y/N			
c) Full Returns	Y/N	Lost Circulation	Y/N	
d) Cement to surface	Y/N	17.0	BBLs to surface	
e) If no returns, top off	BBLs			
f) Top off detail				

Chalk 10C Centralizer Depths				
Length	Centralized?	Cum Length	Top Depth	
38.85	Yes	1,456.52	370.2	
40.00	Yes	1,269.39	557.3	
38.84	Yes	1,072.12	754.6	
38.60	Yes	877.56	949.1	
38.87	Yes	685.72	1,141.0	
40.98	Yes	482.88	1,343.8	
40.98	Yes	278.81	1,547.9	
39.12	Yes	40.97	1,785.7	