

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 #	300219-D
--------------------	------------------------------	----------

Requested Operator Guidance:

Well Name & Number	Lease	Schrute	Well No.	1NR
Well API Number	05-123-51655			
Job Date	1/1/22	Time on	22:30	24 hr time
Job Type	New Well Surface			
Cementing Company	Cementer's Well Service, Inc	Contact	Nate Kvamme - 303-324-4296	
Ambient conditions	snow	10	temp deg F	
Slurry Description				
a) Purpose	Surface - 9 5/8" 36# 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	896	sks (94# equiv)		
f) Mix Fluid Type				
Water / Cement	8.5	Gal / sk		
g) Slurry mixed	256.9	BBLs slurry		
h) Additives used	1.50%	CaCl2	3.00%	Bentonite
Total Water Used	328.3	BBLs H2O		
i) Displacement Fluid Vol	127.0	BBLs H2O		
j) Method of Placement				
k) Set Depth	1,685	feet (ft)		
l) Stage tool depth	n/a			
m) Float Collar Depth	1,643	feet (ft)		
n) Designed Top of Cement	n/a	to surface		
o) Centralizer depths	0	feet (ft)		

Charts - (pressure, density, pump rate)

Landed Plug @ 1682 psi Final Lift Pressure @ 400 psi

Cement Density (as weighed during job) @ 13.9 PPG

Job notes

a) Plug down	Y / N	Time	2:21	24 hr time
b) Floats held	Y / N		1/1/22	
c) Full Returns	Y / N	Lost Circulation	Y / N	
d) Cement to surface	Y / N	24.0	BBLs to surface	
e) If no returns, top off	n/a	BBLs		
f) Top off detail				

Cementer's Well Service, Inc.

P.O. BOX 336220 • GREELEY, CO 80633 • (970) 353-7299 • FAX (970) 353-7712



PDC Energy

Surface Cement Job Graph

COMPANY DETAILS

Date	1/1/22	API #	05-123-51655	Well No.	1NR
County	Weld	State	CO	Lease	Schrute

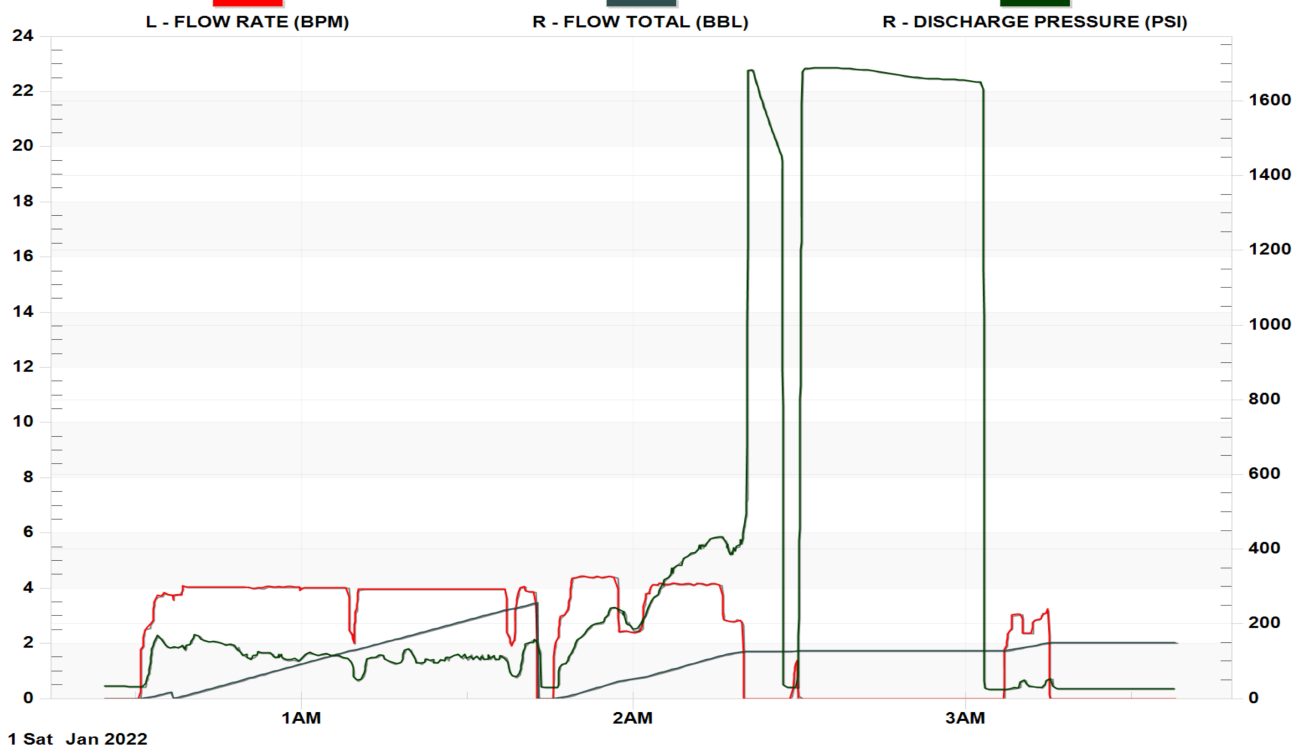
Client PDC Energy

Contact / email

JOB DETAILS

TIME ON	22:30	24 hr	Depth	1,695	ft.	Pressure Test @	1,682	psi
START TIME	0:24	1/1/22	Bottom of Surface	1,685	ft.	10 min	1,678	psi
END TIME	3:38	1/1/22	Plug Landed @	1,643	ft.	20 min	1,662	psi
			Plug Landed @	2:21	24 hr	30 min	1,655	psi

SUMMARY GRAPH



1 Sat Jan 2022



Centralizer Depths

Well Name: Schrute 1NR

Surface, Set Depth: 1,685.3ftKB

API 05123516550000		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	41.55	Yes			1,641.9	43.40
6	5	Casing Joints	9 5/8	36.00	J-55	Yes	41.54	Yes			1,475.2	210.11
10	9	Casing Joints	9 5/8	36.00	J-55	Yes	41.55	Yes			1,308.5	376.80
14	13	Casing Joints	9 5/8	36.00	J-55	Yes	41.51	Yes			1,141.8	543.46
18	17	Casing Joints	9 5/8	36.00	J-55	Yes	41.54	Yes			975.7	709.56
22	21	Casing Joints	9 5/8	36.00	J-55	Yes	41.52	Yes			809.7	875.62
26	25	Casing Joints	9 5/8	36.00	J-55	Yes	41.56	Yes			643.6	1,041.75
30	29	Casing Joints	9 5/8	36.00	J-55	Yes	41.50	Yes			477.4	1,207.85
34	33	Casing Joints	9 5/8	36.00	J-55	Yes	41.55	Yes			311.3	1,373.98
38	37	Casing Joints	9 5/8	36.00	J-55	Yes	41.53	Yes			145.1	1,540.18
40	39	Casing Joints	9 5/8	36.00	J-55	Yes	41.53	Yes			62.1	1,623.22