

Surface Cement Verification Report

George 19NA

Date: Feb 25, 2024

Cementer's Well Service, Inc.
P.O. BOX 336220 • GREELEY, CO 80633 •
(970) 690-1100



CLIENT: PDC Energy

FIELD TICKET #: 200.0103.004

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

Job Information

API #:	05-123-51780	Job Type:	New Well -- Surface
Well Owner:	PDC Energy	Cementing Company:	Cementer's Well Service, Inc.
Lease:	George	Contact:	Nate Kvamme, 303-324-4296
Well Name:	19NA	Ambient Conditions:	Clear
State:	CO	Temperature:	45 deg F
County:	Weld		
Job Date:	Feb 25, 2024		
Time on Location:	Feb 25, 2024, 5:30 PM		

Slurry Description

a) Purpose	Surface
b) Cement Class	ASTM C595 Type IL
c) Cement Yield	1.61 cu ft / sk
d) Cement Density	13.9 PPG
e) Number of sks	788 sks
f) Mix Fluid Type	
Water / Cement	8.5 gal/sk
g) Slurry Mixed	225.95 BBLs Cement
h) Additives Used	Gel/Bentonite 3.00 % Calcium Chloride 1.50 %
Total Water Used	350.52 BBLs Water
i) Displacement Fluid Vol	151.04 BBLs Water
j) Method of Placement	N/A
l) Stage Tool Depth	N/A
k) Set Depth	Pipe Landed @ 1,989 ft.
m) Float Collar Depth	Plug Landed @ 1,954 ft.
n) Designed top of Cement	Returns to Surface (+)
o) Centralizer Depths	N/A

Job Notes

a) Plug Down	Yes @ Feb 25, 2024, 8:08 PM
	Landed Plug @ 2,530 PSI
	Final Lift @ 450 PSI
b) Floats Held	Yes 1.0 BBLs back
c) Full Returns	Yes
Lost Circulation	No
d) Cement to Surface	Yes
	28 BBLs Cement
e) If no returns, top off	
f) Top off Detail	
g) Additional Detail	
Charts -	
(Pressure, Density, Pump Rate & Total BBLs)	
	*see further attached

Cementer's Well Service, Inc.

PDC Energy

Cementer's Job ID: 3591

Surface Cement Job Graph & Casing Test

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Well Data		Cement Job Data	
API #:	05-123-51780	State:	CO
Well Owner:	PDC Energy	County:	Weld
Lease:	George	Time on Location: 02-25-24 17:30	
Well Name:	19NA	Plug Down Time: 02-25-24 20:08	
TD:	Depth @ 1,999 ft.	Casing Pressure Test Results (PSI)	
KB:	Pipe Landed @ 1,989 ft.	Final Lift @	450 PSI
Set:	Plug Landed @ 1,954 ft.	Landed Plug @	2,530 PSI
		10 min	2,538 PSI
		20 min	2,542 PSI
		30 min	2,540 PSI

