

Surface Cement Verification Report

George 22N

Date: Feb 24, 2024

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

CLIENT: PDC Energy

FIELD TICKET #: 200.0103.001



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

Job Information

API #:	05-123-51770	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:	22N	Ambient Conditions:	Clear
State:	CO	Temperature:	40 deg F
County:	Weld		
Job Date:	Feb 24, 2024		
Time on Location:	Feb 24, 2024, 3:00 AM		

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	883 sks
f) Mix Fluid Type	
Water / Cement	8.5 gal/sk
g) Slurry Mixed	253.19 BBLs Cement
h) Additives Used	Gel/Bentonite 3.00 % Calcium Chloride 1.50 %
Total Water Used	350.75 BBLs Water
i) Displacement Fluid Vol	152.05 BBLs Water
j) Method of Placement	N/A
l) Stage Tool Depth	N/A
k) Set Depth	Pipe Landed @ 2,007 ft.
m) Float Collar Depth	Plug Landed @ 1,967 ft.
n) Designed top of Cement	Returns to Surface (+)
o) Centralizer Depths	N/A

Job Notes

a) Plug Down	Yes @ Feb 24, 2024, 8:47 AM
	Landed Plug @ 2,500 PSI
	Final Lift @ 550 PSI
b) Floats Held	Yes 1.0 BBLs back
c) Full Returns	Yes
Lost Circulation	No
d) Cement to Surface	Yes
	80 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: 3588

Surface Cement Job Graph & Casing Test

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Well Data		Cement Job Data	
API #:	05-123-51770	State:	CO
Well Owner:	PDC Energy	County:	Weld
Lease:	George	Time on Location: 02-24-24 03:00	
Well Name:	22N	Plug Down Time: 02-24-24 08:47	
TD:	Depth @ 2,017 ft.	Casing Pressure Test Results (PSI)	
KB:	Pipe Landed @ 2,007 ft.	Final Lift @	550 PSI
Set:	Plug Landed @ 1,967 ft.	Landed Plug @	2,500 PSI
		10 min	PSI
		20 min	PSI
		30 min	PSI

