

Surface Cement Verification Report

George 12N

Date: Feb 28, 2024

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

CLIENT: PDC Energy

FIELD TICKET #: 200.0103.011



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

Job Information

API #:	05-123-51768	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:	12N	Ambient Conditions:	Clear
State:	CO	Temperature:	25 deg F
County:	Weld		
Job Date:	Feb 28, 2024		
Time on Location:	Feb 28, 2024, 3:45 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	779 sks
f) Mix Fluid Type	
Water / Cement	8.5 gal/sk
g) Slurry Mixed	223.37 BBLs Cement
h) Additives Used	Gel/Bentonite 3.00 % Calcium Chloride 1.50 %
Total Water Used	386.92 BBLs Water
i) Displacement Fluid Vol	149.27 BBLs Water
j) Method of Placement	N/A
l) Stage Tool Depth	N/A
k) Set Depth	Pipe Landed @ 1,963 ft.
m) Float Collar Depth	Plug Landed @ 1,931 ft.
n) Designed top of Cement	Returns to Surface (+)
o) Centralizer Depths	N/A

Job Notes

a) Plug Down	Yes @ Feb 28, 2024, 6:03 PM
	Landed Plug @ 2,540 PSI
	Final Lift @ 575 PSI
b) Floats Held	Yes 1.0 BBLs back
c) Full Returns	Yes
Lost Circulation	No
d) Cement to Surface	Yes
	25 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: 3598

Surface Cement Job Graph & Casing Test

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

George 12N

Date: Feb 28, 2024

CLIENT: PDC Energy

FIELD TICKET #: 200.0103.011



Well Data		Cement Job Data	
API #:	05-123-51768	State:	CO
Well Owner:	PDC Energy	County:	Weld
Lease:	George	Time on Location: 02-28-24 15:45	
Well Name:	12N	Plug Down Time: 02-28-24 18:03	
TD:	Depth @ 1,973 ft.	Casing Pressure Test Results (PSI)	
KB:	Pipe Landed @ 1,963 ft.	Final Lift @	575 PSI
Set:	Plug Landed @ 1,931 ft.	Landed Plug @	2,540 PSI
		10 min	2,570 PSI
		20 min	2,580 PSI
		30 min	2,590 PSI

Surface Cement Job Graph

