

Surface Cement Verification Report

George 11N

Date: Feb 29, 2024

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

CLIENT: PDC Energy

FIELD TICKET #: 200.0103.012



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

Job Information

API #:	05-123-51786	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:	11N	Ambient Conditions:	Clear
State:	CO	Temperature:	18 deg F
County:	Weld		
Job Date:	Feb 29, 2024		
Time on Location:	Feb 29, 2024, 1:00 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	777 sks
f) Mix Fluid Type	
Water / Cement	8.5 gal/sk
g) Slurry Mixed	222.80 BBLs Cement
h) Additives Used	Gel/Bentonite 3.00 % Calcium Chloride 1.50 %
Total Water Used	365.82 BBLs Water
i) Displacement Fluid Vol	148.57 BBLs Water
j) Method of Placement	N/A
l) Stage Tool Depth	N/A
k) Set Depth	Pipe Landed @ 1,956 ft.
m) Float Collar Depth	Plug Landed @ 1,922 ft.
n) Designed top of Cement	Returns to Surface (+)
o) Centralizer Depths	N/A

Job Notes

a) Plug Down	Yes @ Feb 29, 2024, 3:20 AM
	Landed Plug @ 2,555 PSI
	Final Lift @ 530 PSI
b) Floats Held	Yes 1.0 BBLs back
c) Full Returns	Yes
Lost Circulation	No
d) Cement to Surface	Yes
	33 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: 3599

Surface Cement Job Graph & Casing Test

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Well Data		Cement Job Data	
API #:	05-123-51786	State:	CO
Well Owner:	PDC Energy	County:	Weld
Lease:	George	Time on Location: 02-29-24 01:00	
Well Name:	11N	Plug Down Time: 02-29-24 03:20	
TD:	Depth @ 1,966 ft.	Casing Pressure Test Results (PSI)	
KB:	Pipe Landed @ 1,956 ft.	Final Lift @	530 PSI
Set:	Plug Landed @ 1,922 ft.	Landed Plug @	2,555 PSI
		10 min	2,558 PSI
		20 min	2,562 PSI
		30 min	2,569 PSI

