

Surface Cement Verification Report

George 02N

Date: Mar 4, 2024

CLIENT: PDC Energy

FIELD TICKET #: 200.0103.021

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



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

Job Information

API #:	05-123-51765	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:	02N	Ambient Conditions:	Wind
State:	CO	Temperature:	32 deg F
County:	Weld		
Job Date:	Mar 4, 2024		
Time on Location:	Mar 3, 2024, 11:45 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	803 sks
f) Mix Fluid Type	
Water / Cement	8.5 gal/sk
g) Slurry Mixed	230.25 BBLs Cement
h) Additives Used	Gel/Bentonite 3.00 % Calcium Chloride 1.50 %
Total Water Used	356.26 BBLs Water
i) Displacement Fluid Vol	153.75 BBLs Water
j) Method of Placement	N/A
l) Stage Tool Depth	N/A
k) Set Depth	Pipe Landed @ 2,022 ft.
m) Float Collar Depth	Plug Landed @ 1,989 ft.
n) Designed top of Cement	Returns to Surface (+)
o) Centralizer Depths	N/A

Job Notes

a) Plug Down	
Yes @ Mar 4, 2024, 2:34 AM	
Landed Plug @	2,597 PSI
Final Lift @	515 PSI
b) Floats Held	Yes 1.0 BBLs back
c) Full Returns	Yes
Lost Circulation	No
d) Cement to Surface	Yes
	36 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: 3608

Surface Cement Job Graph & Casing Test

George 02N

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Well Data

API #: 05-123-51765 **State:** CO
Well Owner: PDC Energy **County:** Weld
Lease: George
Well Name: 02N

TD: Depth @ 2,032 ft.
KB: Pipe Landed @ 2,022 ft.
Set: Plug Landed @ 1,989 ft.

Cement Job Data

Time on Location: 03-03-24 23:45
Plug Down Time: 03-04-24 02:34

Casing Pressure Test Results (PSI)

Final Lift @ 515 PSI
Landed Plug @ 2,597 PSI
10 min 2,622 PSI
20 min 2,630 PSI
30 min 2,643 PSI

Surface Cement Job Graph

