

Surface Cement Verification Report

George 15NA

Date: Feb 27, 2024

Cementer's Well Service, Inc.

P.O. BOX 336220 • GREELEY, CO 80633 •

(970) 690-1100

CLIENT: PDC Energy

FIELD TICKET #: 200.0103.008



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

Job Information

| | | | |
|--------------------------|-----------------------|----------------------------|-------------------------------|
| API #: | 05-123-51773 | 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: | 15NA | Ambient Conditions: | Snow |
| State: | CO | Temperature: | 32 deg F |
| County: | Weld | | |
| Job Date: | Feb 27, 2024 | | |
| Time on Location: | Feb 27, 2024, 5:20 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 | 775 sks |
| f) Mix Fluid Type | |
| Water / Cement | 8.5 gal/sk |
| g) Slurry Mixed | 222.22 BBLs Cement |
| h) Additives Used | Gel/Bentonite 3.00 % Calcium Chloride 1.50 % |
| Total Water Used | 355.11 BBLs Water |
| i) Displacement Fluid Vol | 148.26 BBLs Water |
| j) Method of Placement | N/A |
| l) Stage Tool Depth | N/A |
| k) Set Depth | Pipe Landed @ 1,952 ft. |
| m) Float Collar Depth | Plug Landed @ 1,918 ft. |
| n) Designed top of Cement | Returns to Surface (+) |
| o) Centralizer Depths | N/A |

Job Notes

| | |
|--|-----------------------|
| a) Plug Down | |
| Yes @ Feb 27, 2024, 8:01 AM | |
| Landed Plug @ | 2,546 PSI |
| Final Lift @ | 400 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: 3595

Surface Cement Job Graph & Casing Test

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Well Data

API #: 05-123-51773 **State:** CO
Well Owner: PDC Energy **County:** Weld
Lease: George
Well Name: 15NA

TD: Depth @ 1,962 ft.
KB: Pipe Landed @ 1,952 ft.
Set: Plug Landed @ 1,918 ft.

Cement Job Data

Time on Location: 02-27-24 05:20
Plug Down Time: 02-27-24 08:01

Casing Pressure Test Results (PSI)

Final Lift @ 400 PSI
Landed Plug @ 2,546 PSI
10 min 2,555 PSI
20 min 2,560 PSI
30 min 2,576 PSI

Surface Cement Job Graph

