

State of West Virginia  
Department of Environmental Protection - Office of Oil and Gas  
Well Operator's Report of Well Work

API 47 - 103 - 03738 County Wetzel District Green  
Quad Pine Grove 7.5' Pad Name Galmish Field/Pool Name -----  
Farm name Dallison Lumber Company Inc. Well Number Springer Unit 1H  
Operator (as registered with the OOG) Antero Resources Corporation  
Address 1615 Wynkoop Street City Denver State CO Zip 80202

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey  
Top hole Northing 4380976m Easting 526119m  
Landing Point of Curve Northing 4380965m Easting 525817m  
Bottom Hole Northing 4386600m Easting 523851m

Elevation (ft) 1160' GL Type of Well ☒ New ☐ Existing Type of Report ☐ Interim ☒ Final  
Permit Type ☐ Deviated ☐ Horizontal ☒ Horizontal 6A ☐ Vertical Depth Type ☐ Deep ☒ Shallow  
Type of Operation ☐ Convert ☐ Deepen ☒ Drill ☐ Plug Back ☐ Redrilling ☐ Rework ☒ Stimulate  
Well Type ☐ Brine Disposal ☐ CBM ☒ Gas ☒ Oil ☐ Secondary Recovery ☐ Solution Mining ☐ Storage ☐ Other \_\_\_\_\_  
Type of Completion ☒ Single ☐ Multiple Fluids Produced ☐ Brine ☒ Gas ☐ NGL ☒ Oil ☐ Other \_\_\_\_\_  
Drilled with ☐ Cable ☒ Rotary

Drilling Media Surface hole ☒ Air ☐ Mud ☐ Fresh Water Intermediate hole ☒ Air ☐ Mud ☐ Fresh Water ☐ Brine  
Production hole ☐ Air ☒ Mud ☐ Fresh Water ☐ Brine  
Mud Type(s) and Additive(s)  
Air - Foam & 4% KCL  
Mud - Polymer

Date permit issued 6/25/2025 Date drilling commenced 7/21/2025 Date drilling ceased 9/26/2025  
Date completion activities began 11/8/2025 Date completion activities ceased 1/13/2026  
Verbal plugging (Y/N) N/A Date permission granted N/A Granted by N/A

Please note: Operator is required to submit a plugging application within 5 days of verbal permission to plug

Freshwater depth(s) ft 45', 130' Open mine(s) (Y/N) depths No  
Salt water depth(s) ft 1961' Void(s) encountered (Y/N) depths No  
Coal depth(s) ft N/A Cavern(s) encountered (Y/N) depths No  
Is coal being mined in area (Y/N) No

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Reviewed by:

05/22/2026

API 47-103 - 03738 Farm name Dallison Lumber Company Inc. Well number Springer Unit 1H

| CASING STRINGS            | Hole Size     | Casing Size | Depth  | New or Used | Grade wt/ft | Basket Depth(s) | Did cement circulate (Y/ N)<br>* Provide details below* |
|---------------------------|---------------|-------------|--------|-------------|-------------|-----------------|---------------------------------------------------------|
| Conductor                 | 28"           | 20"         | 130'   | New         | 94#, J-55   | N/A             | Y                                                       |
| Surface                   | 17-1/2"       | 13-3/8"     | 383'   | New         | 54.5#, J-55 | N/A             | Y                                                       |
| Coal                      |               |             |        |             |             |                 |                                                         |
| Intermediate 1            | 12-1/4"       | 9-5/8"      | 3577'  | New         | 36#, J-55   | N/A             | Y                                                       |
| Intermediate 2            |               |             |        |             |             |                 |                                                         |
| Intermediate 3            |               |             |        |             |             |                 |                                                         |
| Production                | 8-3/4"/8-1/2" | 5-1/2"      | 27198' | New         | 23#, P-110  | N/A             | Y                                                       |
| Tubing                    |               | 2-3/8"      | 7139'  |             | 4.7#, P-110 |                 |                                                         |
| Packer type and depth set |               | N/A         |        |             |             |                 |                                                         |

Comment Details \_\_\_\_\_

| CEMENT DATA    | Class/Type of Cement | Number of Sacks | Slurry wt (ppg)            | Yield (ft <sup>3</sup> /sks) | Volume (ft <sup>3</sup> ) | Cement Top (MD)                | WOC (hrs) |
|----------------|----------------------|-----------------|----------------------------|------------------------------|---------------------------|--------------------------------|-----------|
| Conductor      | Class A              | 200 sx          | 15.6                       | 1.18                         | 236                       | 0'                             | 8 Hrs.    |
| Surface        | Class A              | 390 sx          | 15.8                       | 1.17                         | 456                       | 0'                             | 8 Hrs.    |
| Coal           |                      |                 |                            |                              |                           |                                |           |
| Intermediate 1 | Class A              | 1265 sx         | 15.8                       | 1.15                         | 1455                      | 0'                             | 8 Hrs.    |
| Intermediate 2 |                      |                 |                            |                              |                           |                                |           |
| Intermediate 3 |                      |                 |                            |                              |                           |                                |           |
| Production     | Class H              | 5780 sx (Tail)  | 13.5 (Spacer), 15.2 (Tail) | 1.31 (Tail)                  | 7572                      | ~500' into Intermediate Casing | 8 Hrs.    |
| Tubing         |                      |                 |                            |                              |                           |                                |           |

Drillers TD (ft) 27,198' MD, 7,046' TVD (BHL), 7,085' TVD (Deepest Point Drilled) Loggers TD (ft) 27,158' MD

Deepest formation penetrated Marcellus Plug back to (ft) N/A

Plug back procedure N/A

Kick off depth (ft) 6,326'

Check all wireline logs run ☐ caliper ☐ density ☐ deviated/directional ☐ induction  
☐ neutron ☐ resistivity ☐ gamma ray ☐ temperature ☐ sonic

Well cored ☐ Yes ☒ No Conventional Sidewall Were cuttings collected ☐ Yes ☒ No

DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING \_\_\_\_\_

Conductor - 0

Surface - 1 above guide shoe, 1 above insert float, 1 every 4th joint to surface

Intermediate - 1 above float joint, 1 above float collar, 1 every 4th joint to surface

Production - 1 above float joint, 1 below float collar, 1 every 3rd joint to top of cement

WAS WELL COMPLETED AS SHOT HOLE ☐ Yes ☒ No DETAILS \_\_\_\_\_

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WAS WELL COMPLETED OPEN HOLE? ☐ Yes ☒ No DETAILS \_\_\_\_\_

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WERE TRACERS USED ☐ Yes ☒ No TYPE OF TRACER(S) USED N/A

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## PERFORATION RECORD

| Stage No. | Perforation date | Perforated from MD ft. | Perforated to MD ft. | Number of Perforations | Formation(s) |
|-----------|------------------|------------------------|----------------------|------------------------|--------------|
|           |                  |                        |                      |                        |              |
|           |                  |                        |                      |                        |              |

**\*PLEASE SEE ATTACHED EXHIBIT 1**

[illegible]

Please insert additional pages as applicable.

### STIMULATION INFORMATION PER STAGE

Complete a separate record for each stimulation stage.

[illegible]

**\*PLEASE SEE ATTACHED EXHIBIT 2**

[illegible]

Please insert additional pages as applicable.

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| <u>PRODUCING FORMATION(S)</u> | <u>DEPTHS</u>    |                 |
|-------------------------------|------------------|-----------------|
| Marcellus                     | 7,034' (TOP) TVD | 7,338' (TOP) MD |
|                               |                  |                 |
|                               |                  |                 |
|                               |                  |                 |

| LITHOLOGY/<br>FORMATION | TOP<br>DEPTH IN FT<br>NAME TVD | BOTTOM<br>DEPTH IN FT<br>TVD | TOP<br>DEPTH IN FT<br>MD | BOTTOM<br>DEPTH IN FT<br>MD | DESCRIBE ROCK TYPE AND RECORD QUANTITY AND<br>TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H <sub>2</sub> S, ETC) |
|-------------------------|--------------------------------|------------------------------|--------------------------|-----------------------------|------------------------------------------------------------------------------------------------------------------|
|-------------------------|--------------------------------|------------------------------|--------------------------|-----------------------------|------------------------------------------------------------------------------------------------------------------|

|  |  |  |  |  |                                              |
|--|--|--|--|--|----------------------------------------------|
|  |  |  |  |  |                                              |
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|  |  |  |  |  | Office of Oil and Gas                        |
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|  |  |  |  |  | MAY 08 2026                                  |
|  |  |  |  |  |                                              |
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Submittal of Hydraulic Fracturing Chemical Disclosure Information      Attach copy of FRACFOCUS Registry

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| API 47-103-03738 Farm Name Dallison Lumber Company Inc. Well Number Springer Unit 1H |                  |                        |                      |                        |            |
|--------------------------------------------------------------------------------------|------------------|------------------------|----------------------|------------------------|------------|
| Exhibit 1                                                                            |                  |                        |                      |                        |            |
| Stage No.                                                                            | Perforation Date | Perforated from MD ft. | Perforated to MD ft. | Number of Perforations | Formations |
| 1                                                                                    | 11/8/2015        | 27132.4                | 27117.6              | 36                     | Marcellus  |
| 2                                                                                    | 11/8/2015        | 27078.80408            | 26912.8245           | 36                     | Marcellus  |
| 3                                                                                    | 11/9/2015        | 26877.22857            | 26711.249            | 36                     | Marcellus  |
| 4                                                                                    | 11/9/2015        | 26675.65306            | 26509.6735           | 36                     | Marcellus  |
| 5                                                                                    | 11/10/2015       | 26474.07755            | 26308.098            | 36                     | Marcellus  |
| 6                                                                                    | 11/10/2015       | 26272.50204            | 26106.5224           | 36                     | Marcellus  |
| 7                                                                                    | 11/11/2015       | 26070.92653            | 25904.9469           | 36                     | Marcellus  |
| 8                                                                                    | 11/11/2015       | 25869.35102            | 25703.3714           | 36                     | Marcellus  |
| 9                                                                                    | 11/11/2015       | 25667.77551            | 25501.7959           | 36                     | Marcellus  |
| 10                                                                                   | 11/12/2015       | 25466.2                | 25300.2204           | 36                     | Marcellus  |
| 11                                                                                   | 11/12/2015       | 25264.62449            | 25098.6449           | 36                     | Marcellus  |
| 12                                                                                   | 11/13/2015       | 25063.04898            | 24897.0694           | 36                     | Marcellus  |
| 13                                                                                   | 11/13/2015       | 24861.47347            | 24695.4939           | 36                     | Marcellus  |
| 14                                                                                   | 11/14/2015       | 24659.89796            | 24493.9184           | 36                     | Marcellus  |
| 15                                                                                   | 11/14/2015       | 24458.32245            | 24292.3429           | 36                     | Marcellus  |
| 16                                                                                   | 11/15/2015       | 24256.74694            | 24090.7673           | 36                     | Marcellus  |
| 17                                                                                   | 11/15/2015       | 24055.17143            | 23889.1918           | 36                     | Marcellus  |
| 18                                                                                   | 11/15/2015       | 23853.59592            | 23687.6163           | 36                     | Marcellus  |
| 19                                                                                   | 11/16/2015       | 23652.02041            | 23486.0408           | 36                     | Marcellus  |
| 20                                                                                   | 11/16/2015       | 23450.4449             | 23284.4653           | 36                     | Marcellus  |
| 21                                                                                   | 11/17/2015       | 23248.86939            | 23082.8898           | 36                     | Marcellus  |
| 22                                                                                   | 11/17/2015       | 23047.29388            | 22881.3143           | 36                     | Marcellus  |
| 23                                                                                   | 11/17/2015       | 22845.71837            | 22679.7388           | 36                     | Marcellus  |
| 24                                                                                   | 11/18/2015       | 22644.14286            | 22478.1633           | 36                     | Marcellus  |
| 25                                                                                   | 11/18/2015       | 22442.56735            | 22276.5878           | 36                     | Marcellus  |
| 26                                                                                   | 11/18/2015       | 22240.99184            | 22075.0122           | 36                     | Marcellus  |
| 27                                                                                   | 11/19/2015       | 22039.41633            | 21873.4367           | 36                     | Marcellus  |
| 28                                                                                   | 11/19/2015       | 21837.84082            | 21671.8612           | 36                     | Marcellus  |
| 29                                                                                   | 11/20/2015       | 21636.26531            | 21470.2857           | 36                     | Marcellus  |
| 30                                                                                   | 11/20/2015       | 21434.6898             | 21268.7102           | 36                     | Marcellus  |
| 31                                                                                   | 11/20/2015       | 21233.11429            | 21067.1347           | 36                     | Marcellus  |
| 32                                                                                   | 11/21/2015       | 21031.53878            | 20865.5592           | 36                     | Marcellus  |
| 33                                                                                   | 11/21/2015       | 20829.96327            | 20663.9837           | 36                     | Marcellus  |
| 34                                                                                   | 11/22/2015       | 20628.38776            | 20462.4082           | 36                     | Marcellus  |
| 35                                                                                   | 11/22/2015       | 20426.81224            | 20260.8327           | 36                     | Marcellus  |
| 36                                                                                   | 11/22/2015       | 20225.23673            | 20059.2571           | 36                     | Marcellus  |
| 37                                                                                   | 11/23/2015       | 20023.66122            | 19857.6816           | 36                     | Marcellus  |
| 38                                                                                   | 11/23/2015       | 19822.08571            | 19656.1061           | 36                     | Marcellus  |
| 39                                                                                   | 11/23/2015       | 19620.5102             | 19454.5306           | 36                     | Marcellus  |
| 40                                                                                   | 11/23/2015       | 19418.93469            | 19252.9551           | 36                     | Marcellus  |
| 41                                                                                   | 11/24/2015       | 19217.35918            | 19051.3796           | 36                     | Marcellus  |
| 42                                                                                   | 11/24/2015       | 19015.78367            | 18849.8041           | 36                     | Marcellus  |
| 43                                                                                   | 11/24/2015       | 18814.20816            | 18648.2286           | 36                     | Marcellus  |
| 44                                                                                   | 11/25/2015       | 18612.63265            | 18446.6531           | 36                     | Marcellus  |
| 45                                                                                   | 11/25/2015       | 18411.05714            | 18245.0776           | 36                     | Marcellus  |
| 46                                                                                   | 11/25/2015       | 18209.48163            | 18043.502            | 36                     | Marcellus  |
| 47                                                                                   | 11/25/2015       | 18007.90612            | 17841.9265           | 36                     | Marcellus  |
| 48                                                                                   | 11/26/2015       | 17806.33061            | 17640.351            | 36                     | Marcellus  |
| 49                                                                                   | 11/26/2015       | 17604.7551             | 17438.7755           | 36                     | Marcellus  |
| 50                                                                                   | 11/26/2015       | 17403.17959            | 17237.2              | 36                     | Marcellus  |
| 51                                                                                   | 11/27/2015       | 17201.60408            | 17035.6245           | 36                     | Marcellus  |
| 52                                                                                   | 11/27/2015       | 17000.02857            | 16834.049            | 36                     | Marcellus  |
| 53                                                                                   | 11/27/2015       | 16798.45306            | 16632.4735           | 36                     | Marcellus  |
| 54                                                                                   | 11/27/2015       | 16596.87755            | 16430.898            | 36                     | Marcellus  |
| 55                                                                                   | 11/28/2015       | 16395.30204            | 16229.3224           | 36                     | Marcellus  |
| 56                                                                                   | 11/28/2015       | 16193.72653            | 16027.7469           | 36                     | Marcellus  |
| 57                                                                                   | 11/28/2015       | 15992.15102            | 15826.1714           | 36                     | Marcellus  |
| 58                                                                                   | 11/28/2015       | 15790.57551            | 15624.5959           | 36                     | Marcellus  |
| 59                                                                                   | 11/29/2015       | 15589                  | 15423.0204           | 36                     | Marcellus  |
| 60                                                                                   | 11/29/2015       | 15387.42449            | 15221.4449           | 36                     | Marcellus  |
| 61                                                                                   | 11/29/2015       | 15185.84898            | 15019.8694           | 36                     | Marcellus  |
| 62                                                                                   | 11/29/2015       | 14984.27347            | 14818.2939           | 36                     | Marcellus  |
| 63                                                                                   | 11/30/2015       | 14782.69796            | 14616.7184           | 36                     | Marcellus  |
| 64                                                                                   | 11/30/2015       | 14581.12245            | 14415.1429           | 36                     | Marcellus  |
| 65                                                                                   | 11/30/2015       | 14379.54694            | 14213.5673           | 36                     | Marcellus  |
| 66                                                                                   | 11/30/2015       | 14177.97143            | 14011.9918           | 36                     | Marcellus  |
| 67                                                                                   | 12/1/2015        | 13976.39592            | 13810.4163           | 36                     | Marcellus  |
| 68                                                                                   | 12/1/2015        | 13774.82041            | 13608.8408           | 36                     | Marcellus  |
| 69                                                                                   | 12/1/2015        | 13573.2449             | 13407.2653           | 36                     | Marcellus  |
| 70                                                                                   | 12/2/2015        | 13371.66939            | 13205.6898           | 36                     | Marcellus  |
| 71                                                                                   | 12/2/2015        | 13170.09388            | 13004.1143           | 36                     | Marcellus  |
| 72                                                                                   | 12/3/2015        | 12968.51837            | 12802.5388           | 36                     | Marcellus  |
| 73                                                                                   | 12/4/2015        | 12766.94286            | 12600.9633           | 36                     | Marcellus  |
| 74                                                                                   | 12/4/2015        | 12565.36735            | 12399.3878           | 36                     | Marcellus  |
| 75                                                                                   | 12/5/2015        | 12363.79184            | 12197.8122           | 36                     | Marcellus  |
| 76                                                                                   | 12/5/2015        | 12162.21633            | 11996.2367           | 36                     | Marcellus  |
| 77                                                                                   | 12/6/2015        | 11960.64082            | 11794.6612           | 36                     | Marcellus  |
| 78                                                                                   | 12/6/2015        | 11759.06531            | 11593.0857           | 36                     | Marcellus  |
| 79                                                                                   | 12/6/2015        | 11557.4898             | 11391.5102           | 36                     | Marcellus  |
| 80                                                                                   | 12/7/2015        | 11355.91429            | 11189.9347           | 36                     | Marcellus  |
| 81                                                                                   | 12/7/2015        | 11154.33878            | 10988.3592           | 36                     | Marcellus  |
| 82                                                                                   | 12/7/2015        | 10952.76327            | 10786.7837           | 36                     | Marcellus  |
| 83                                                                                   | 12/8/2015        | 10751.18776            | 10585.2082           | 36                     | Marcellus  |
| 84                                                                                   | 12/8/2015        | 10549.61224            | 10383.6327           | 36                     | Marcellus  |
| 85                                                                                   | 12/8/2015        | 10348.03673            | 10182.0571           | 36                     | Marcellus  |
| 86                                                                                   | 12/9/2015        | 10146.46122            | 9980.48163           | 36                     | Marcellus  |
| 87                                                                                   | 12/9/2015        | 9944.885714            | 9778.90612           | 36                     | Marcellus  |
| 88                                                                                   | 12/9/2015        | 9743.310204            | 9577.33061           | 36                     | Marcellus  |
| 89                                                                                   | 12/9/2015        | 9541.734694            | 9375.7551            | 36                     | Marcellus  |
| 90                                                                                   | 12/10/2015       | 9340.159184            | 9174.17959           | 36                     | Marcellus  |
| 91                                                                                   | 12/10/2015       | 9138.583673            | 8972.60408           | 36                     | Marcellus  |
| 92                                                                                   | 12/11/2015       | 8937.008163            | 8771.02857           | 36                     | Marcellus  |
| 93                                                                                   | 12/11/2015       | 8735.432653            | 8569.45306           | 36                     | Marcellus  |
| 94                                                                                   | 12/11/2015       | 8533.857143            | 8367.87755           | 36                     | Marcellus  |
| 95                                                                                   | 12/11/2015       | 8332.281633            | 8166.30204           | 36                     | Marcellus  |
| 96                                                                                   | 12/12/2015       | 8130.706122            | 7964.72653           | 36                     | Marcellus  |
| 97                                                                                   | 12/12/2015       | 7929.130612            | 7763.15102           | 36                     | Marcellus  |
| 98                                                                                   | 12/12/2015       | 7727.555102            | 7561.57551           | 36                     | Marcellus  |
| 99                                                                                   | 12/12/2015       | 7525.979592            | 7360                 | 36                     | Marcellus  |

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| API 47-103-03738 Farm Name Dalikon Lumber Company Inc. Well Number Springer Unit 1H |                   |               |                              |                              |            |                          |                        |                                  |
|-------------------------------------------------------------------------------------|-------------------|---------------|------------------------------|------------------------------|------------|--------------------------|------------------------|----------------------------------|
| EXHIBIT 2                                                                           |                   |               |                              |                              |            |                          |                        |                                  |
| Stage No.                                                                           | Stimulations Date | Avg Pump Rate | Avg Treatment Pressure (PSI) | Max Breakdown Pressure (PSI) | ISIP (PSI) | Amount of Proppant (lbs) | Amount of Water (bbls) | Amount of Nitrogen/ other (cuft) |
| 1                                                                                   | 11/8/2025         | 58.2          | 10736                        | 6853                         | 6775       | 107100                   | 4110                   | N/A                              |
| 2                                                                                   | 11/8/2025         | 73.1          | 10851                        | 6836                         | 5453       | 418320                   | 7939                   | N/A                              |
| 3                                                                                   | 11/9/2025         | 75            | 10823                        | 5569                         | 5513       | 420180                   | 7395                   | N/A                              |
| 4                                                                                   | 11/9/2025         | 80.5          | 10754                        | 7526                         | 5223       | 413040                   | 7284                   | N/A                              |
| 5                                                                                   | 11/10/2025        | 78.6          | 10887                        | 5451                         | 5819       | 418320                   | 7378                   | N/A                              |
| 6                                                                                   | 11/10/2025        | 84.1          | 10777                        | 6402                         | 5155       | 414780                   | 7440                   | N/A                              |
| 7                                                                                   | 11/11/2025        | 86.9          | 10836                        | 5586                         | 5590       | 415160                   | 7349                   | N/A                              |
| 8                                                                                   | 11/11/2025        | 87.4          | 10912                        | 5998                         | 4442       | 413680                   | 7383                   | N/A                              |
| 9                                                                                   | 11/11/2025        | 91.7          | 11166                        | 6213                         | 6120       | 408260                   | 7113                   | N/A                              |
| 10                                                                                  | 11/12/2025        | 86            | 10818                        | 5853                         | 4603       | 406640                   | 7260                   | N/A                              |
| 11                                                                                  | 11/12/2025        | 92.4          | 11217                        | 7256                         | 4838       | 411020                   | 7627                   | N/A                              |
| 12                                                                                  | 11/13/2025        | 95.4          | 11385                        | 5635                         | 5808       | 418880                   | 7692                   | N/A                              |
| 13                                                                                  | 11/13/2025        | 90.8          | 11292                        | 8160                         | 4988       | 414060                   | 7458                   | N/A                              |
| 14                                                                                  | 11/14/2025        | 92.9          | 11484                        | 5990                         | 4272       | 396480                   | 7171                   | N/A                              |
| 15                                                                                  | 11/14/2025        | 92.5          | 11193                        | 6422                         | 4514       | 418860                   | 7395                   | N/A                              |
| 16                                                                                  | 11/15/2025        | 95.3          | 11308                        | 6432                         | 5999       | 397920                   | 7054                   | N/A                              |
| 17                                                                                  | 11/15/2025        | 92.8          | 11012                        | 5440                         | 4400       | 417020                   | 7509                   | N/A                              |
| 18                                                                                  | 11/15/2025        | 95.5          | 11324                        | 6361                         | 5652       | 412060                   | 7280                   | N/A                              |
| 19                                                                                  | 11/16/2025        | 93.7          | 11123                        | 5757                         | 4271       | 414380                   | 7402                   | N/A                              |
| 20                                                                                  | 11/16/2025        | 93.1          | 11249                        | 5748                         | 4420       | 396500                   | 7194                   | N/A                              |
| 21                                                                                  | 11/17/2025        | 93.3          | 11159                        | 6274                         | 5762       | 412900                   | 7161                   | N/A                              |
| 22                                                                                  | 11/17/2025        | 96.9          | 10861                        | 6585                         | 4912       | 417220                   | 7452                   | N/A                              |
| 23                                                                                  | 11/17/2025        | 97.9          | 10745                        | 5366                         | 5431       | 411320                   | 7252                   | N/A                              |
| 24                                                                                  | 11/18/2025        | 98.5          | 11055                        | 6265                         | 5835       | 415060                   | 7126                   | N/A                              |
| 25                                                                                  | 11/18/2025        | 96.5          | 10572                        | 5911                         | 4926       | 415600                   | 7367                   | N/A                              |
| 26                                                                                  | 11/18/2025        | 98.5          | 10595                        | 6363                         | 4937       | 416080                   | 7189                   | N/A                              |
| 27                                                                                  | 11/19/2025        | 96.9          | 11107                        | 7279                         | 5831       | 406980                   | 7197                   | N/A                              |
| 28                                                                                  | 11/19/2025        | 96.8          | 10826                        | 6062                         | 6033       | 410180                   | 7288                   | N/A                              |
| 29                                                                                  | 11/20/2025        | 96.5          | 10986                        | 6468                         | 5982       | 410960                   | 7140                   | N/A                              |
| 30                                                                                  | 11/20/2025        | 96.5          | 11104                        | 5637                         | 5746       | 406240                   | 7059                   | N/A                              |
| 31                                                                                  | 11/20/2025        | 98            | 10890                        | 6330                         | 5680       | 400060                   | 7141                   | N/A                              |
| 32                                                                                  | 11/21/2025        | 90.1          | 11030                        | 5828                         | 4241       | 415880                   | 7203                   | N/A                              |
| 33                                                                                  | 11/21/2025        | 93.3          | 11187                        | 7798                         | 4982       | 411800                   | 7225                   | N/A                              |
| 34                                                                                  | 11/22/2025        | 97            | 11192                        | 6045                         | 5538       | 398300                   | 6954                   | N/A                              |
| 35                                                                                  | 11/22/2025        | 98.3          | 11177                        | 6033                         | 4840       | 414380                   | 7144                   | N/A                              |
| 36                                                                                  | 11/22/2025        | 96.7          | 11255                        | 7351                         | 4550       | 413780                   | 7217                   | N/A                              |
| 37                                                                                  | 11/23/2025        | 96.1          | 11128                        | 5915                         | 5125       | 414540                   | 7173                   | N/A                              |
| 38                                                                                  | 11/23/2025        | 95.6          | 11368                        | 7305                         | 5085       | 415440                   | 7270                   | N/A                              |
| 39                                                                                  | 11/23/2025        | 97.8          | 10914                        | 7090                         | 5010       | 418480                   | 7262                   | N/A                              |
| 40                                                                                  | 11/23/2025        | 98            | 10804                        | 5890                         | 5422       | 415300                   | 7159                   | N/A                              |
| 41                                                                                  | 11/24/2025        | 96.3          | 10997                        | 5771                         | 5799       | 398220                   | 6985                   | N/A                              |
| 42                                                                                  | 11/24/2025        | 98.2          | 11098                        | 5904                         | 4661       | 413880                   | 7203                   | N/A                              |
| 43                                                                                  | 11/24/2025        | 96.8          | 10981                        | 6045                         | 5674       | 417200                   | 7152                   | N/A                              |
| 44                                                                                  | 11/25/2025        | 97.7          | 10863                        | 5928                         | 5587       | 415580                   | 7195                   | N/A                              |
| 45                                                                                  | 11/25/2025        | 97.9          | 11017                        | 5153                         | 5010       | 416800                   | 7218                   | N/A                              |
| 46                                                                                  | 11/25/2025        | 98.5          | 10341                        | 5460                         | 5684       | 408840                   | 7123                   | N/A                              |
| 47                                                                                  | 11/25/2025        | 98.1          | 10990                        | 5532                         | 5647       | 412400                   | 7221                   | N/A                              |
| 48                                                                                  | 11/26/2025        | 94.9          | 10410                        | 4488                         | 5435       | 413200                   | 7348                   | N/A                              |
| 49                                                                                  | 11/26/2025        | 96.8          | 10077                        | 5182                         | 5451       | 415520                   | 7092                   | N/A                              |
| 50                                                                                  | 11/26/2025        | 97.8          | 10275                        | 4701                         | 5247       | 393060                   | 7093                   | N/A                              |
| 51                                                                                  | 11/27/2025        | 98.6          | 10607                        | 5641                         | 4229       | 415580                   | 7049                   | N/A                              |
| 52                                                                                  | 11/27/2025        | 97.1          | 10167                        | 5048                         | 5333       | 410920                   | 6987                   | N/A                              |
| 53                                                                                  | 11/27/2025        | 97.1          | 10184                        | 5542                         | 5309       | 409440                   | 7098                   | N/A                              |
| 54                                                                                  | 11/27/2025        | 97.9          | 10147                        | 5800                         | 4609       | 417380                   | 7192                   | N/A                              |
| 55                                                                                  | 11/28/2025        | 97.7          | 9976                         | 5417                         | 4820       | 411320                   | 7159                   | N/A                              |
| 56                                                                                  | 11/28/2025        | 97.3          | 10305                        | 5230                         | 5690       | 408140                   | 7029                   | N/A                              |
| 57                                                                                  | 11/28/2025        | 96.8          | 10361                        | 5315                         | 5316       | 414120                   | 7042                   | N/A                              |
| 58                                                                                  | 11/28/2025        | 97.7          | 9851                         | 6354                         | 3909       | 415620                   | 7140                   | N/A                              |
| 59                                                                                  | 11/29/2025        | 98.8          | 9970                         | 5957                         | 4151       | 411760                   | 7164                   | N/A                              |
| 60                                                                                  | 11/29/2025        | 97.6          | 10060                        | 6058                         | 5578       | 407680                   | 6966                   | N/A                              |
| 61                                                                                  | 11/29/2025        | 97.3          | 9536                         | 4988                         | 5610       | 408610                   | 7000                   | N/A                              |
| 62                                                                                  | 11/29/2025        | 98.3          | 9559                         | 5946                         | 4734       | 414920                   | 7164                   | N/A                              |
| 63                                                                                  | 11/30/2025        | 98.7          | 9691                         | 6302                         | 5047       | 418080                   | 7148                   | N/A                              |
| 64                                                                                  | 11/30/2025        | 97.5          | 9747                         | 5603                         | 5525       | 416860                   | 7102                   | N/A                              |
| 65                                                                                  | 11/30/2025        | 98.1          | 9536                         | 5504                         | 5629       | 419460                   | 7064                   | N/A                              |
| 66                                                                                  | 11/30/2025        | 98.2          | 9683                         | 6869                         | 4963       | 418540                   | 7099                   | N/A                              |
| 67                                                                                  | 12/1/2025         | 99            | 9567                         | 6469                         | 4800       | 416200                   | 7144                   | N/A                              |
| 68                                                                                  | 12/1/2025         | 98.8          | 9827                         | 5985                         | 5357       | 412560                   | 7055                   | N/A                              |
| 69                                                                                  | 12/1/2025         | 98.6          | 9647                         | 5125                         | 4825       | 418340                   | 7119                   | N/A                              |
| 70                                                                                  | 12/2/2025         | 98.5          | 9541                         | 6568                         | 4667       | 397600                   | 6877                   | N/A                              |
| 71                                                                                  | 12/2/2025         | 98.6          | 9940                         | 5652                         | 5043       | 409700                   | 6938                   | N/A                              |
| 72                                                                                  | 12/3/2025         | 98.6          | 9789                         | 5315                         | 5455       | 416000                   | 7013                   | N/A                              |
| 73                                                                                  | 12/4/2025         | 98.4          | 9755                         | 6614                         | 4098       | 416500                   | 6997                   | N/A                              |
| 74                                                                                  | 12/4/2025         | 98.5          | 10057                        | 5426                         | 4865       | 414640                   | 7067                   | N/A                              |
| 75                                                                                  | 12/5/2025         | 98.4          | 9885                         | 4202                         | 4873       | 410640                   | 6969                   | N/A                              |
| 76                                                                                  | 12/5/2025         | 98.3          | 9451                         | 5085                         | 5063       | 413620                   | 7342                   | N/A                              |
| 77                                                                                  | 12/6/2025         | 98.6          | 9604                         | 5403                         | 4690       | 414280                   | 7007                   | N/A                              |
| 78                                                                                  | 12/6/2025         | 98.9          | 9569                         | 6399                         | 5169       | 406720                   | 6921                   | N/A                              |
| 79                                                                                  | 12/6/2025         | 98.5          | 9246                         | 5108                         | 5004       | 411440                   | 7001                   | N/A                              |
| 80                                                                                  | 12/7/2025         | 99            | 9139                         | 5510                         | 4796       | 407060                   | 6916                   | N/A                              |
| 81                                                                                  | 12/7/2025         | 98.4          | 8902                         | 6436                         | 5053       | 417300                   | 6964                   | N/A                              |
| 82                                                                                  | 12/7/2025         | 97.7          | 8835                         | 5932                         | 5079       | 410200                   | 6985                   | N/A                              |
| 83                                                                                  | 12/8/2025         | 98            | 8824                         | 5174                         | 4371       | 411240                   | 6924                   | N/A                              |
| 84                                                                                  | 12/8/2025         | 98.4          | 8850                         | 5611                         | 5036       | 417980                   | 7019                   | N/A                              |
| 85                                                                                  | 12/8/2025         | 98.1          | 8684                         | 5533                         | 4788       | 409680                   | 6894                   | N/A                              |
| 86                                                                                  | 12/9/2025         | 97.6          | 8800                         | 5753                         | 4750       | 411860                   | 6929                   | N/A                              |
| 87                                                                                  | 12/9/2025         | 97.6          | 8568                         | 5486                         | 4832       | 413940                   | 6978                   | N/A                              |
| 88                                                                                  | 12/9/2025         | 98.4          | 8304                         | 5016                         | 4865       | 406480                   | 6885                   | N/A                              |
| 89                                                                                  | 12/9/2025         | 98.7          | 8568                         | 5966                         | 4249       | 408080                   | 6840                   | N/A                              |
| 90                                                                                  | 12/10/2025        | 98.5          | 8588                         | 5620                         | 4300       | 406380                   | 6778                   | N/A                              |
| 91                                                                                  | 12/10/2025        | 98.3          | 8378                         | 4967                         | 4069       | 416580                   | 6982                   | N/A                              |
| 92                                                                                  | 12/11/2025        | 98.6          | 8396                         | 5425                         | 4804       | 414300                   | 6904                   | N/A                              |
| 93                                                                                  | 12/11/2025        | 98.3          | 8601                         | 4549                         | 4774       | 415700                   | 6951                   | N/A                              |
| 94                                                                                  | 12/11/2025        | 98.4          | 8330                         | 6785                         | 4570       | 410980                   | 6882                   | N/A                              |
| 95                                                                                  | 12/11/2025        | 96.4          | 8026                         | 5720                         | 4600       | 408780                   | 6826                   | N/A                              |
| 96                                                                                  | 12/12/2025        | 97.2          | 8277                         | 5515                         | 4505       | 394640                   | 6757                   | N/A                              |
| 97                                                                                  | 12/12/2025        | 98.2          | 8074                         | 5550                         | 4913       | 402200                   | 6756                   | N/A                              |
| 98                                                                                  | 12/12/2025        | 98.2          | 8359                         | 5863                         | 4322       | 417000                   | 7041                   | N/A                              |
| 99                                                                                  | 12/12/2025        | 96.9          | 7811                         | 6638                         | 4935       | 414340                   | 6989                   | N/A                              |
| AVERAGE                                                                             |                   | 95            | 10,133                       | 5,903                        | 5,070      | 40,467,250               | 703,135                | TOTAL                            |

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**EXHIBIT 3**

| LITHOLOGY/ FORMATION          | TOP DEPTH (TVD) | BOTTOM DEPTH (TVD) | TOP DEPTH (MD) | BOTTOM DEPTH (MD) |
|-------------------------------|-----------------|--------------------|----------------|-------------------|
|                               | From Surface    | From Surface       | From Surface   | From Surface      |
| Sandstone                     | 370             | 570                | 370            | 570               |
| Sandstone, scat MICA          | 570             | 670                | 570            | 670               |
| Sandstone                     | 670             | 970                | 670            | 970               |
| Limestone, rr SS, tr coal     | 870             | 1,020              | 870            | 1,020             |
| Sandstone, tr LS              | 970             | 1,020              | 970            | 1,020             |
| Sandy Siltstone, tr LS        | 1,020           | 1,320              | 1,020          | 1,320             |
| Silty Sandstone, tr Coal      | 1,320           | 1,520              | 1,320          | 1,520             |
| Sandstone, rr SLTST           | 1,520           | 1,670              | 1,520          | 1,670             |
| Silty Sandstone, occ Coal     | 1,670           | 1,770              | 1,670          | 1,770             |
| Sandstone, com SLTST, tr mica | 1,770           | 1,920              | 1,770          | 1,920             |
| Sandstone, occ SLTST          | 1,920           | 1,970              | 1,920          | 1,970             |
| Silty Sandstone               | 1,970           | 2,070              | 1,970          | 2,070             |
| Silty Sandstone, tr Coal      | 2,070           | 2,120              | 2,070          | 2,120             |
| Siltstone                     | 2,120           | 2,170              | 2,120          | 2,170             |
| Siltstone, tr LS              | 2,170           | 2,093              | 2,170          | 2,113             |
| Big Lime                      | 2,123           | 2,907              | 2,113          | 2,940             |
| Fifty Foot Sandstone          | 2,907           | 2,989              | 2,910          | 3,023             |
| Gordon                        | 2,989           | 3,148              | 2,993          | 3,184             |
| Fifth Sandstone               | 3,148           | 3,610              | 3,154          | 3,650             |
| Bayard                        | 3,610           | 3,999              | 3,620          | 4,042             |
| Speechley                     | 3,999           | 4,159              | 4,012          | 4,205             |
| Balltown                      | 4,159           | 4,576              | 4,175          | 4,625             |
| Bradford                      | 4,576           | 5,150              | 4,595          | 5,204             |
| Benson                        | 5,150           | 5,598              | 5,174          | 5,656             |
| Alexander                     | 5,598           | 6,814              | 5,626          | 6,921             |
| Sycamore                      | 6,651           | 6,784              | 6,731          | 6,891             |
| Middlesex                     | 6,784           | 6,882              | 6,891          | 7,035             |
| Burkett                       | 6,882           | 6,915              | 7035           | 7091              |
| Tully                         | 6,915           | 7,004              | 7091           | 7308              |
| Marcellus                     | 7,004           | NA                 | 7308           | NA                |

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LATITUDE 39°35'00"

8,283'

LATITUDE 39°40'00"

3,925' TO BOTTOM HOLE

1,936'

LONGITUDE 80°40'00"

LONGITUDE 80°42'30"

COUNTY NAME

PERMIT

Antero Resources  
Corporation  
Well No. Springer #1H

AS DRILLED:  
WELL 1H TOP HOLE INFORMATION:  
N: 394,882ft E: 1,662,878ft  
LAT: 39°34'40.87" LON: 80°41'45.79"  
BOTTOM HOLE INFORMATION:  
N: 413,360ft E: 1,655,740ft  
LAT: 39°37'43.52" LON: 80°43'20.17"  
WEST VIRGINIA COORDINATE  
SYSTEM OF 1927 NORTH ZONE.  
ZONE WAS DERIVED FROM  
MEASUREMENTS TAKEN WITH  
TRIMBLE GEOXT SUBMETER  
MAPPING GRADE GPS UNIT.  
PLAT ORIENTATION, CORNER,  
AND WELL REFERENCE TIE LINES  
ARE BASED ON GRID NORTH.

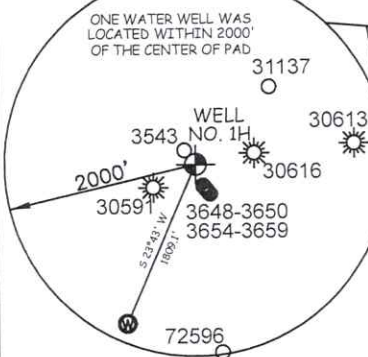
(NAD) 83 (UTM) ZONE 17 COORDS:  
WELL 1H TOP HOLE INFORMATION:  
N: 4,380,976m E: 526,119m  
BOTTOM HOLE INFORMATION:  
N: 4,386,600m E: 523,851m

(NAD) 27 (UTM) ZONE 17 COORDS:  
WELL 1H TOP HOLE INFORMATION:  
N: 14,372,537ft E: 1,726,061ft  
POINT OF ENTRY INFORMATION:  
N: 14,372,274ft E: 1,725,207ft  
BOTTOM HOLE INFORMATION:  
N: 14,390,987ft E: 1,718,617ft

## NOTE

1. NO OCCUPIED DWELLINGS OR BUILDINGS TWO THOUSAND FIVE HUNDRED (2,500) SQUARE FEET OR LARGER USED TO HOUSE OR SHELTER DAIRY CATTLE OR POULTRY HUSBANDRY ARE LOCATED WITHIN SIX HUNDRED TWENTY-FIVE (625) FEET OF THE CENTER OF THE WELL PAD.
2. TOP HOLE DATA SHOWN HEREON WAS PROVIDED BY ANTERO RESOURCES CORPORATION.
3. AS DRILLED DATA WAS PROVIDED BY ANTERO RESOURCES CORPORATION.
4. WLS IS NOT CERTIFYING THE DATA AND INFORMATION PROVIDED LISTED IN NOTES 2 AND 3, ONLY THE RELATIONSHIP TO THE DATA AND INFORMATION PROVIDED TO THE LEASE BOUNDARIES.
5. WLS IS BY NO MEANS RESPONSIBLE FOR ANY ERRORS OR INACCURACIES WITH THE DATA AND INFORMATION THAT HAS BEEN PROVIDED.

| Proctor District - Wetzel County |                                   |
|----------------------------------|-----------------------------------|
| 19-18                            | Donna Greathouse                  |
| 19-22                            | Donna Greathouse                  |
| 19-26                            | Donna Greathouse                  |
| 19-36.2                          | James Howard Greathouse II, Et Al |
| 20-15                            | James & Mary Greathouse           |
| 20-16.2                          | Laura Howell                      |
| 20-16.4                          | Tracy Myers, Et Al                |
| 20-16.5                          | Joseph Jackson                    |
| 20-30                            | James & Mary Greathouse           |
| 20-31                            | James & Mary Greathouse           |
| 20-32                            | Stephen & Patricia Goudy          |
| 20-32.1                          | Stephen & Patricia Goudy          |
| 20-38                            | Frank & Jessie Thompson           |



PAD LAYOUT NOT TO SCALE

- ANGELO UNIT 1H
- CRAFTSMAN UNIT 1H
- SPRINGER UNIT 1H
- BUCHER UNIT 1H
- QUAY UNIT 1H
- QUAY UNIT 2H

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE RULES ISSUED AND PERSCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.



STATE OF WEST VIRGINIA, DIVISION  
OF ENVIRONMENTAL PROTECTION,  
OFFICE OF OIL AND GAS

WILLOW LAND SURVEYING PLLC  
220 MASONIC AVE. PENNSBORO  
WEST VIRGINIA 26415

JOB # 25-008WA

DRAWING # SPRINGER1HAD

SCALE 1" = 2000'

MINIMUM DEGREE OF  
ACCURACY SUBMETER  
PROVEN SOURCE OF ELEV.  
SUBMETER MAPPING GRADE GPS

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY  
DIVISION OF OIL AND GAS

## LEGEND

- Surface Owner Boundary Lines +/-
- Interior Surface Tracts +/-
- Proposed Well Path
- ⊗ As Drilled Well Path

THOMAS SUMMERS P.S. 2109

DATE 04/13/26

OPERATOR'S WELL# SPRINGER UNIT #1H

47 - 103 - 03738  
STATE COUNTY PERMIT

WELL TYPE: OIL ☐ GAS ☒ LIQUID INJECTION ☐ WASTE DISPOSAL ☐  
(IF "GAS") PRODUCTION ☒ STORAGE ☐ DEEP ☐ SHALLOW ☒

LOCATION: ELEVATION AS BUILT - 1,160.0' WATERSHED FISHING CREEK DISTRICT GREEN COUNTY WETZEL

QUADRANGLE PINE GROVE 7.5' ACREAGE 25 ACRES +/-

SURFACE OWNER DALLISON LUMBER COMPANY INC. LEASE ACREAGE 25 ACRES +/-

OIL & GAS ROYALTY OWNER ROBERT BARRY MYERS, JR.

PROPOSED WORK: DRILL ☐ CONVERT ☐ DRILL DEEPER ☐ REDRILL ☐ FRACTURE OR STIMULATE ☐

PLUG OFF OLD FORMATION ☐ PERFORATE NEW FORMATION ☐ OTHER PHYSICAL CHANGE IN WELL ☐

(SPECIFY) AS DRILLED PLUG & ABANDON ☐ CLEAN OUT & REPLUG ☐

TARGET FORMATION MARCELLUS ESTIMATED DEPTH 7,046' TVD 27,198' MD

WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT CONRAD BASTON

ADDRESS 1615 WYNKOOP ST. ADDRESS 535 WHITE OAK BLVD.

DENVER, CO 80202 BRIDGEPORT, WV 26330

FORM WW-6

05/22/2026

## Hydraulic Fracturing Fluid Product Component Information Disclosure

|                                 |                              |
|---------------------------------|------------------------------|
| Job Start Date:                 | 11/08/2025                   |
| Job End Date:                   | 12/12/2025                   |
| State:                          | West Virginia                |
| County:                         | Wetzel                       |
| API Number:                     | 47-103-03738-00-00           |
| Operator Name:                  | Antero Resources Corporation |
| Well Name and Number:           | Springer Unit 1H             |
| Latitude:                       | 39.578105                    |
| Longitude:                      | -80.69588                    |
| Datum:                          | NAD83                        |
| Federal Well:                   | NO                           |
| Indian Well:                    | NO                           |
| True Vertical Depth:            | 7065                         |
| Total Base Water Volume (gal)*: | 31297560                     |
| Total Base Non Water Volume:    | 0                            |



| Water Source           | Percent |
|------------------------|---------|
| Groundwater, < 1000TDS | 100.00% |

## Hydraulic Fracturing Fluid Composition:

| Trade Name         | Supplier                      | Purpose                  | Ingredients | Chemical Abstract Service Number (CAS #) | Maximum Ingredient Concentration in Additive (% by mass)** | Maximum Ingredient Concentration in HF Fluid (% by mass)** | Comments |
|--------------------|-------------------------------|--------------------------|-------------|------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|----------|
| 100 mesh sand      | NexTier Completions Solutions | Propping Agent           |             |                                          |                                                            |                                                            |          |
| 15% HCl            | Tarquin                       | Acid                     |             |                                          |                                                            |                                                            |          |
| BELE LT Breaker    | Chemstream                    | Breaker                  |             |                                          |                                                            |                                                            |          |
| CIA-12             | NexTier Completions Solutions | Acid corrosion inhibitor |             |                                          |                                                            |                                                            |          |
| Clearal 268A       | Chemstream                    | Biocide                  |             |                                          |                                                            |                                                            |          |
| CoilSTREAM VB 625  | Chemstream                    | Visc. Builder            |             |                                          |                                                            |                                                            |          |
| Other Chemical(s)  | Listed Above                  | See Trade Name(s)        |             |                                          |                                                            |                                                            |          |
| StimSTREAM FR 2800 | Chemstream                    | Friction Reducer         |             |                                          |                                                            |                                                            |          |
| StimSTREAM FR 9800 | Chemstream                    | Friction Reducer         |             |                                          |                                                            |                                                            |          |

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| Water                                                                    | Operator | Carrier Fluid |                                                                        |             |           |          |  |
|--------------------------------------------------------------------------|----------|---------------|------------------------------------------------------------------------|-------------|-----------|----------|--|
| Items above are Trade Names. Items below are the individual ingredients. |          |               |                                                                        |             |           |          |  |
|                                                                          |          |               | Water                                                                  | 7732-18-5   | 100.00000 | 86.22300 |  |
|                                                                          |          |               | Crystalline Silica                                                     | 14808-60-7  | 99.90000  | 13.38907 |  |
|                                                                          |          |               | Water                                                                  | 7732-18-5   | 85.00000  | 0.25464  |  |
|                                                                          |          |               | Hydrochloric Acid                                                      | 7647-01-0   | 15.00000  | 0.04494  |  |
|                                                                          |          |               | Acrylamide-Chloride Salt of Trimethylammonio-Ethyl Acrylate copolymer  | 69418-26-4  | 40.00000  | 0.01695  |  |
|                                                                          |          |               | Alkanes, C12-26-branched and linear                                    | 90622-53-0  | 40.00000  | 0.01695  |  |
|                                                                          |          |               | Aluminum Oxide                                                         | 1344-28-1   | 0.10000   | 0.01340  |  |
|                                                                          |          |               | Water                                                                  | 7732-18-5   | 90.00000  | 0.00728  |  |
|                                                                          |          |               | Water                                                                  | 7732-18-5   | 15.00000  | 0.00636  |  |
|                                                                          |          |               | Heavy Aliphatic Naphtha                                                | 64742-96-7  | 60.00000  | 0.00548  |  |
|                                                                          |          |               | Guar gum                                                               | 9000-30-0   | 50.00000  | 0.00457  |  |
|                                                                          |          |               | Hydrotreated light distillates                                         | 64742-47-8  | 25.00000  | 0.00329  |  |
|                                                                          |          |               | Ethoxylated Alcohols (C12-16)                                          | 68551-12-2  | 5.00000   | 0.00212  |  |
|                                                                          |          |               | Ammonium Persulfate                                                    | 7727-54-0   | 89.00000  | 0.00171  |  |
|                                                                          |          |               | Glutaraldehyde                                                         | 111-30-8    | 20.00000  | 0.00162  |  |
|                                                                          |          |               | Alcohols, C11-14-iso-, C13-rich, ethoxylated                           | 78330-21-9  | 5.00000   | 0.00066  |  |
|                                                                          |          |               | Trade Secret                                                           | Proprietary | 5.00000   | 0.00046  |  |
|                                                                          |          |               | Trade Secret                                                           | Proprietary | 3.00000   | 0.00027  |  |
|                                                                          |          |               | Trade Secret                                                           | Proprietary | 3.00000   | 0.00027  |  |
|                                                                          |          |               | Quaternary Ammonium Compounds, Benzyl-C12-C16-alkyldimethyl, Chlorides | 68424-85-1  | 3.00000   | 0.00024  |  |
|                                                                          |          |               | Didecyltrimethylammonium Chloride                                      | 7173-51-5   | 3.00000   | 0.00024  |  |
|                                                                          |          |               | Ethylene glycol                                                        | 107-21-1    | 45.00000  | 0.00013  |  |
|                                                                          |          |               | Glycol Ether EB                                                        | 111-76-2    | 45.00000  | 0.00013  |  |
|                                                                          |          |               | N,N-Dimethylformamide                                                  | 68-12-2     | 20.00000  | 0.00006  |  |
|                                                                          |          |               | Tar bases,quinoline derivs.,benzyl chloride-quaternized                | 72480-70-7  | 20.00000  | 0.00006  |  |
|                                                                          |          |               | Water                                                                  | 7732-18-5   | 15.00000  | 0.00004  |  |
|                                                                          |          |               | Cinnamaldehyde                                                         | 104-55-2    | 10.00000  | 0.00003  |  |
|                                                                          |          |               | Nonylphenol ethoxylated                                                | 127087-87-0 | 10.00000  | 0.00003  |  |
|                                                                          |          |               | Alcohols, C6-12                                                        | 68603-15-6  | 10.00000  | 0.00003  |  |

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\* Total Water Volume sources may include various types of water including fresh water, produced water, and recycled water

\*\* Information is based on the maximum potential for concentration and thus the total may be over 100%

Note: For Field Development Products (products that begin with FDP), MSDS level only information has been provided.

Ingredient information for chemicals subject to 29 CFR 1910.1200(i) and Appendix D are obtained from suppliers Material Safety Data Sheets (MSDS)

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