

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

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JAN 19 2024

WV Department of  
Environmental Protection

API 47 - 103 - 03557 County Wetzel District Green  
Quad Porter Falls Pad Name Ingold Field/Pool Name -----  
Farm name Karen & Ernest Clark Well Number Chiselfinger Unit 2H  
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 438243.287m Easting 517814.714m  
Landing Point of Curve Northing 4353963.50m Easting 545568.72m  
Bottom Hole Northing 4382211.221m Easting 517239.385m

Elevation (ft) 1255' 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 3/6/2023 Date drilling commenced 4/1/2023 Date drilling ceased 5/9/2023  
Date completion activities began 8/12/2023 Date completion activities ceased 9/30/2023  
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 460' Open mine(s) (Y/N) depths No  
Salt water depth(s) ft 1983', 1990' Void(s) encountered (Y/N) depths No  
Coal depth(s) ft 600', 800' Cavern(s) encountered (Y/N) depths No  
Is coal being mined in area (Y/N) No

Reviewed by:

[Signature]  
04/26/2024

API 47-103 - 03557

Farm name Karen & Ernest Clark

Well number Chiselfinger Unit 2H

| 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"         | 125.5'  | New         | 91.59#, J-55 | N/A             | Y  |
| Surface                   | 17-1/2"   | 13-3/8"     | 573'    | New         | 54.5#, J-55  | N/A             | Y  |
| Coal                      |           |             |         |             |              |                 |  |
| Intermediate 1            | 12-1/4"   | 9-5/8"      | 3645'   | New         | 36#, J-55    | N/A             | Y  |
| Intermediate 2            |           |             |         |             |              |                 |  |
| Intermediate 3            |           |             |         |             |              |                 |  |
| Production                | 8-1/2"    | 5-1/2"      | 19332'  | New         | 23#, P-110   | N/A             | Y  |
| Tubing                    |           | 2-3/8"      | 7544.6' |             | 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              | 338 sx          | 15.6                    | 1.18                         | 399                       | 0'                             | 8 Hrs.    |
| Surface        | Class A              | 508 sx          | 15.6                    | 1.20                         | 610                       | 0'                             | 8 Hrs.    |
| Coal           |                      |                 |                         |                              |                           |                                |           |
| Intermediate 1 | Class A              | 1198 sx         | 15.6                    | 1.20                         | 1438                      | 0'                             | 8 Hrs.    |
| Intermediate 2 |                      |                 |                         |                              |                           |                                |           |
| Intermediate 3 |                      |                 |                         |                              |                           |                                |           |
| Production     | Class H              | 2882 sx (Tail)  | 13.5 (Lead), 15.2(Tail) | 1.26 (Tail)                  | 3631                      | -500' into Intermediate Casing | 8 Hrs.    |
| Tubing         |                      |                 |                         |                              |                           |                                |           |

Drillers TD (ft) 19332' MD, 6945' TVD (BHL), 6945' (Deepest Point Drilled)

Loggers TD (ft) 19332' MD

Deepest formation penetrated Marcellus

Plug back to (ft) N/A

Plug back procedure N/A

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Kick off depth (ft) 6600'

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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 \_\_\_\_\_

WAS WELL COMPLETED OPEN HOLE?  Yes  No

DETAILS \_\_\_\_\_

WERE TRACERS USED  Yes  No

TYPE OF TRACER(S) USED N/A

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API 47- 103 - 03557 Farm name Karen & Ernest Clark Well number Chiselfinger Unit 2H

PERFORATION RECORD

| Stage No.                             | Perforation date | Perforated from MD ft. | Perforated to MD ft. | Number of Perforations | Formation(s) |
|---------------------------------------|------------------|------------------------|----------------------|------------------------|--------------|
| <b>*PLEASE SEE ATTACHED EXHIBIT 1</b> |                  |                        |                      |                        |              |
|                                       |                  |                        |                      |                        |              |
|                                       |                  |                        |                      |                        |              |
|                                       |                  |                        |                      |                        |              |
|                                       |                  |                        |                      |                        |              |
|                                       |                  |                        |                      |                        |              |
|                                       |                  |                        |                      |                        |              |
|                                       |                  |                        |                      |                        |              |
|                                       |                  |                        |                      |                        |              |
|                                       |                  |                        |                      |                        |              |
|                                       |                  |                        |                      |                        |              |
|                                       |                  |                        |                      |                        |              |
|                                       |                  |                        |                      |                        |              |
|                                       |                  |                        |                      |                        |              |
|                                       |                  |                        |                      |                        |              |
|                                       |                  |                        |                      |                        |              |
|                                       |                  |                        |                      |                        |              |

Please insert additional pages as applicable.

STIMULATION INFORMATION PER STAGE

Complete a separate record for each stimulation stage.

| Stage No.                             | Stimulations Date | Ave Pump Rate (BPM) | Ave Treatment Pressure (PSI) | Max Breakdown Pressure (PSI) | ISIP (PSI) | Amount of Proppant (lbs) | Amount of Water (bbls) | Amount of Nitrogen/other (units) |
|---------------------------------------|-------------------|---------------------|------------------------------|------------------------------|------------|--------------------------|------------------------|----------------------------------|
| <b>*PLEASE SEE ATTACHED EXHIBIT 2</b> |                   |                     |                              |                              |            |                          |                        |                                  |
|                                       |                   |                     |                              |                              |            |                          |                        |                                  |
|                                       |                   |                     |                              |                              |            |                          |                        |                                  |
|                                       |                   |                     |                              |                              |            |                          |                        |                                  |
|                                       |                   |                     |                              |                              |            |                          |                        |                                  |
|                                       |                   |                     |                              |                              |            |                          |                        |                                  |
|                                       |                   |                     |                              |                              |            |                          |                        |                                  |
|                                       |                   |                     |                              |                              |            |                          |                        |                                  |
|                                       |                   |                     |                              |                              |            |                          |                        |                                  |
|                                       |                   |                     |                              |                              |            |                          |                        |                                  |
|                                       |                   |                     |                              |                              |            |                          |                        |                                  |
|                                       |                   |                     |                              |                              |            |                          |                        |                                  |
|                                       |                   |                     |                              |                              |            |                          |                        |                                  |
|                                       |                   |                     |                              |                              |            |                          |                        |                                  |
|                                       |                   |                     |                              |                              |            |                          |                        |                                  |
|                                       |                   |                     |                              |                              |            |                          |                        |                                  |
|                                       |                   |                     |                              |                              |            |                          |                        |                                  |
|                                       |                   |                     |                              |                              |            |                          |                        |                                  |

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| <u>PRODUCING FORMATION(S)</u> | <u>DEPTHS</u>          |                       |
|-------------------------------|------------------------|-----------------------|
| <u>Marcellus</u>              | <u>6894' (TOP)</u> TVD | <u>7824' (TOP)</u> MD |
| _____                         | _____                  | _____                 |
| _____                         | _____                  | _____                 |
| _____                         | _____                  | _____                 |

Please insert additional pages as applicable.

GAS TEST  Build up  Drawdown  Open Flow OIL TEST  Flow  Pump

SHUT-IN PRESSURE Surface 2028 psi Bottom Hole --- psi DURATION OF TEST --- hrs

OPEN FLOW Gas 12399 mcfpd Oil 572 bpd NGL --- bpd Water 756 bpd GAS MEASURED BY  Estimated  Orifice  Pilot

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

**\*PLEASE SEE ATTACHED EXHIBIT 3**

|  |  |  |  |  |  |
|--|--|--|--|--|--|
|  |  |  |  |  |  |
|  |  |  |  |  | RECEIVED                                     |
|  |  |  |  |  | Office Of Oil and Gas                        |
|  |  |  |  |  | JAN 19 2024                                  |
|  |  |  |  |  | WV Department of<br>Environmental Protection |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

Please insert additional pages as applicable.

Drilling Contractor H & P Drilling  
Address 912 N Eagle Valley Rd City Howard State PA Zip 16841

Logging Company Nine Energy Services  
Address 2001 Kirby Drive Suite 200 City Houston State TX Zip 77019

Cementing Company Halliburton Energy Services  
Address 3000 W. Sam Houston Pkwy City Houston State TX Zip 76114

Stimulating Company Halliburton  
Address 3000 W. Sam Houston Pkwy City Houston State TX Zip 76114

Please insert additional pages as applicable.

Completed by Carly Marvel Telephone 303-357-7373  
Signature Carly Marvel Title Permitting Agent Date 1/4/2024

Submittal of Hydraulic Fracturing Chemical Disclosure Information Attach copy of FRACFOCUS Registry

04/26/2024 *[Signature]*

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WV Department of  
Environmental Protection

API 47-103-03557 Farm Name Karen & Ernest Clark Well Number Chiselfinger Unit 2H

**Exhibit 1**

| Stage No. | Perforation Date | Perforated from MD ft. | Perforated to MD ft. | Number of Perforations | Formations |
|-----------|------------------|------------------------|----------------------|------------------------|------------|
| 1         | 8/12/2023        | 19208                  | 19164                | 60                     | Marcellus  |
| 2         | 8/16/2023        | 19125.40179            | 18959.4107           | 60                     | Marcellus  |
| 3         | 8/17/2023        | 18923.8125             | 18757.8214           | 60                     | Marcellus  |
| 4         | 8/17/2023        | 18722.22321            | 18556.2321           | 60                     | Marcellus  |
| 5         | 8/17/2023        | 18520.63393            | 18354.6429           | 60                     | Marcellus  |
| 6         | 8/18/2023        | 18319.04464            | 18153.0536           | 60                     | Marcellus  |
| 7         | 8/18/2023        | 18117.45536            | 17951.4643           | 60                     | Marcellus  |
| 8         | 8/19/2023        | 17915.86607            | 17749.875            | 60                     | Marcellus  |
| 9         | 8/19/2023        | 17714.27679            | 17548.2857           | 60                     | Marcellus  |
| 10        | 8/20/2023        | 17512.6875             | 17346.6964           | 60                     | Marcellus  |
| 11        | 8/20/2023        | 17311.09821            | 17145.1071           | 60                     | Marcellus  |
| 12        | 8/20/2023        | 17109.50893            | 16943.5179           | 60                     | Marcellus  |
| 13        | 8/21/2023        | 16907.91964            | 16741.9286           | 60                     | Marcellus  |
| 14        | 8/21/2023        | 16706.33036            | 16540.3393           | 60                     | Marcellus  |
| 15        | 8/21/2023        | 16504.74107            | 16338.75             | 60                     | Marcellus  |
| 16        | 8/22/2023        | 16303.15179            | 16137.1607           | 60                     | Marcellus  |
| 17        | 8/22/2023        | 16101.5625             | 15935.5714           | 60                     | Marcellus  |
| 18        | 8/22/2023        | 15899.97321            | 15733.9821           | 60                     | Marcellus  |
| 19        | 8/23/2023        | 15698.38393            | 15532.3929           | 60                     | Marcellus  |
| 20        | 8/23/2023        | 15496.79464            | 15330.8036           | 60                     | Marcellus  |
| 21        | 8/24/2023        | 15295.20536            | 15129.2143           | 60                     | Marcellus  |
| 22        | 8/24/2023        | 15093.61607            | 14927.625            | 60                     | Marcellus  |
| 23        | 8/24/2023        | 14892.02679            | 14726.0357           | 60                     | Marcellus  |
| 24        | 8/25/2023        | 14690.4375             | 14524.4464           | 60                     | Marcellus  |
| 25        | 8/25/2023        | 14488.84821            | 14322.8571           | 60                     | Marcellus  |
| 26        | 8/25/2023        | 14287.25893            | 14121.2679           | 60                     | Marcellus  |
| 27        | 8/26/2023        | 14085.66964            | 13919.6786           | 60                     | Marcellus  |
| 28        | 8/26/2023        | 13884.08036            | 13718.0893           | 60                     | Marcellus  |
| 29        | 8/26/2023        | 13682.49107            | 13516.5              | 60                     | Marcellus  |
| 30        | 8/26/2023        | 13480.90179            | 13314.9107           | 60                     | Marcellus  |
| 31        | 8/27/2023        | 13279.3125             | 13113.3214           | 60                     | Marcellus  |
| 32        | 8/27/2023        | 13077.72321            | 12911.7321           | 60                     | Marcellus  |
| 33        | 8/27/2023        | 12876.13393            | 12710.1429           | 60                     | Marcellus  |
| 34        | 8/28/2023        | 12674.54464            | 12508.5536           | 60                     | Marcellus  |
| 35        | 8/28/2023        | 12472.95536            | 12306.9643           | 60                     | Marcellus  |
| 36        | 8/28/2023        | 12271.36607            | 12105.375            | 60                     | Marcellus  |
| 37        | 8/29/2023        | 12069.77679            | 11903.7857           | 60                     | Marcellus  |
| 38        | 8/29/2023        | 11868.1875             | 11702.1964           | 60                     | Marcellus  |
| 39        | 8/29/2023        | 11666.59821            | 11500.6071           | 60                     | Marcellus  |
| 40        | 8/29/2023        | 11465.00893            | 11299.0179           | 60                     | Marcellus  |

04/26/2024 

**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 (units) |
|-----------|-------------------|---------------|------------------------------|------------------------------|------------|--------------------------|------------------------|-----------------------------------|
| 1         | 8/12/2023         | 85.7          | 9451                         | 6924                         | 3188       | 167340                   | 5191                   | N/A                               |
| 2         | 8/16/2023         | 88.0          | 9878                         | 4375                         | 3660       | 399580                   | 7112                   | N/A                               |
| 3         | 8/17/2023         | 93.9          | 10244                        | 5640                         | 3685       | 416460                   | 7379                   | N/A                               |
| 4         | 8/17/2023         | 89.0          | 9520                         | 5149                         | 3703       | 417440                   | 7606                   | N/A                               |
| 5         | 8/17/2023         | 96.0          | 9993                         | 5493                         | 3559       | 414820                   | 7476                   | N/A                               |
| 6         | 8/18/2023         | 95.6          | 10058                        | 5582                         | 3777       | 416860                   | 7283                   | N/A                               |
| 7         | 8/18/2023         | 91.9          | 10069                        | 6046                         | 4090       | 411160                   | 7148                   | N/A                               |
| 8         | 8/19/2023         | 94.4          | 9968                         | 5972                         | 3802       | 418900                   | 7403                   | N/A                               |
| 9         | 8/19/2023         | 93.4          | 9918                         | 6089                         | 3655       | 413440                   | 7282                   | N/A                               |
| 10        | 8/20/2023         | 93.6          | 9804                         | 5482                         | 3818       | 420440                   | 7275                   | N/A                               |
| 11        | 8/20/2023         | 93.6          | 9656                         | 5885                         | 3752       | 416080                   | 7129                   | N/A                               |
| 12        | 8/20/2023         | 94.4          | 9949                         | 6126                         | 3792       | 420140                   | 7325                   | N/A                               |
| 13        | 8/21/2023         | 93.6          | 9899                         | 5962                         | 3967       | 417060                   | 7267                   | N/A                               |
| 14        | 8/21/2023         | 93.9          | 9476                         | 5704                         | 3412       | 417180                   | 7077                   | N/A                               |
| 15        | 8/21/2023         | 96.9          | 9928                         | 5998                         | 3556       | 420840                   | 7345                   | N/A                               |
| 16        | 8/22/2023         | 97.2          | 9859                         | 5518                         | 3629       | 410760                   | 7176                   | N/A                               |
| 17        | 8/22/2023         | 97.2          | 9732                         | 5365                         | 3607       | 416820                   | 7123                   | N/A                               |
| 18        | 8/22/2023         | 98.3          | 9670                         | 4603                         | 3800       | 410840                   | 7215                   | N/A                               |
| 19        | 8/23/2023         | 97.7          | 9600                         | 5518                         | 3698       | 419440                   | 7158                   | N/A                               |
| 20        | 8/23/2023         | 97.5          | 9409                         | 4273                         | 3698       | 410300                   | 7059                   | N/A                               |
| 21        | 8/24/2023         | 97.6          | 9502                         | 6109                         | 3839       | 418100                   | 7308                   | N/A                               |
| 22        | 8/24/2023         | 97.7          | 9467                         | 5728                         | 3611       | 409780                   | 7018                   | N/A                               |
| 23        | 8/24/2023         | 95.8          | 9010                         | 5282                         | 3752       | 412520                   | 7062                   | N/A                               |
| 24        | 8/25/2023         | 97.7          | 8982                         | 4512                         | 3589       | 416960                   | 7176                   | N/A                               |
| 25        | 8/25/2023         | 96.9          | 9080                         | 5821                         | 3706       | 418660                   | 7148                   | N/A                               |
| 26        | 8/25/2023         | 97.5          | 8844                         | 5441                         | 3519       | 418400                   | 7049                   | N/A                               |
| 27        | 8/26/2023         | 97.7          | 9077                         | 4566                         | 3905       | 411500                   | 7012                   | N/A                               |
| 28        | 8/26/2023         | 97.8          | 8949                         | 5589                         | 3708       | 419680                   | 7003                   | N/A                               |
| 29        | 8/26/2023         | 97.5          | 8725                         | 5701                         | 3617       | 421500                   | 7078                   | N/A                               |
| 30        | 8/26/2023         | 97.8          | 9017                         | 5540                         | 3911       | 414260                   | 6968                   | N/A                               |
| 31        | 8/27/2023         | 97.9          | 9083                         | 5453                         | 4815       | 412440                   | 6895                   | N/A                               |
| 32        | 8/27/2023         | 97.6          | 8660                         | 5248                         | 3635       | 411408                   | 6977                   | N/A                               |
| 33        | 8/27/2023         | 96.9          | 8596                         | 5716                         | 3849       | 412720                   | 7067                   | N/A                               |
| 34        | 8/28/2023         | 98.0          | 9060                         | 6029                         | 4541       | 419260                   | 7031                   | N/A                               |
| 35        | 8/28/2023         | 97.7          | 8607                         | 5569                         | 3327       | 416680                   | 6910                   | N/A                               |
| 36        | 8/28/2023         | 98.0          | 8567                         | 5512                         | 3485       | 400040                   | 6802                   | N/A                               |
| 37        | 8/29/2023         | 96.7          | 8638                         | 6048                         | 3480       | 416740                   | 7020                   | N/A                               |
| 38        | 8/29/2023         | 97.8          | 8620                         | 5692                         | 3678       | 418800                   | 6935                   | N/A                               |
| 39        | 8/29/2023         | 98.0          | 8656                         | 6153                         | 3887       | 402730                   | 6774                   | N/A                               |
| 40        | 8/29/2023         | 96.0          | 8425                         | 5388                         | 3950       | 403160                   | 6872                   | N/A                               |
| 41        | 8/30/2023         | 95.6          | 8754                         | 5661                         | 3728       | 416400                   | 6957                   | N/A                               |
| 42        | 8/30/2023         | 97.3          | 8864                         | 6004                         | 3672       | 415900                   | 6889                   | N/A                               |
| 43        | 8/30/2023         | 96.0          | 8227                         | 5610                         | 3726       | 416380                   | 6951                   | N/A                               |
| 44        | 8/31/2023         | 96.7          | 8322                         | 5353                         | 3622       | 417740                   | 6823                   | N/A                               |
| 45        | 8/31/2023         | 97.5          | 8535                         | 5589                         | 3563       | 415560                   | 6822                   | N/A                               |
| 46        | 8/31/2023         | 98.1          | 8563                         | 6043                         | 3747       | 419320                   | 6959                   | N/A                               |
| 47        | 8/31/2023         | 96.2          | 8401                         | 5821                         | 3895       | 412520                   | 6781                   | N/A                               |
| 48        | 9/1/2023          | 96.5          | 8252                         | 5839                         | 3856       | 417060                   | 6832                   | N/A                               |
| 49        | 9/1/2023          | 96.9          | 8129                         | 5598                         | 3751       | 419280                   | 6925                   | N/A                               |
| 50        | 9/1/2023          | 95.9          | 7782                         | 5522                         | 3727       | 418940                   | 6860                   | N/A                               |
| 51        | 9/2/2023          | 96.3          | 7763                         | 5257                         | 3710       | 397020                   | 6689                   | N/A                               |
| 52        | 9/2/2023          | 97.3          | 8045                         | 5558                         | 3596       | 414580                   | 6834                   | N/A                               |
| 53        | 9/2/2023          | 95.4          | 7667                         | 5591                         | 3731       | 418460                   | 7014                   | N/A                               |
| 54        | 9/3/2023          | 96.9          | 7954                         | 6139                         | 3836       | 398080                   | 6618                   | N/A                               |
| 55        | 9/3/2023          | 97.6          | 7705                         | 5757                         | 4025       | 417200                   | 7141                   | N/A                               |
| 56        | 9/3/2023          | 97.8          | 8019                         | 5549                         | 3712       | 417400                   | 6864                   | N/A                               |
| 57        | 9/3/2023          | 97.1          | 7850                         | 6000                         | 3850       | 411940                   | 6788                   | N/A                               |
|           | AVERAGE           | 96            | 8,991                        | 5,609                        | 3,744      | 23,375,018               | 399,880                | TOTAL                             |

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API 47-103-03557 Farm Name Karen & Ernest Clark Well Number Chiselfinger Unit 2H

**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                 | 74              | 474                | 74             | 474               |
| Sandy Siltstone           | 474             | 724                | 474            | 724               |
| Siltstone, occ Sandstone  | 724             | 824                | 724            | 824               |
| Siltstone, rr Limestone   | 824             | 874                | 824            | 874               |
| Siltstone, occ Sandstone  | 874             | 1,174              | 874            | 1,174             |
| Shaly Siltstone, occ LS   | 1,174           | 1,274              | 1,174          | 1,274             |
| Siltstone, rr SH, rr Coal | 1,274           | 1,474              | 1,274          | 1,474             |
| Shaly Siltstone           | 1,474           | 1,624              | 1,474          | 1,624             |
| Shaly Sandstone           | 1,624           | 1,674              | 1,624          | 1,674             |
| Silty, Shaly, Sandstone   | 1,674           | 1,924              | 1,674          | 1,924             |
| Silty Sandstone, Tr Coal  | 1,924           | 1,974              | 1,924          | 1,974             |
| Silty Sandstone           | 1,974           | 2,074              | 1,974          | 2,074             |
| Silty Sandstone, calc cmt | 2,074           | 2,141              | 2,074          | 2,204             |
| Big Lime                  | 2,167           | 2,838              | 2,230          | 2,980             |
| Fifty Foot Sandstone      | 2,838           | 3,018              | 2,980          | 3,181             |
| Gordon                    | 3,018           | 3,268              | 3,181          | 3,456             |
| Fifth Sandstone           | 3,268           | 3,500              | 3,456          | 3,711             |
| Bayard                    | 3,500           | 3,953              | 3,711          | 4,227             |
| Speechley                 | 3,953           | 4,156              | 4,227          | 4,453             |
| Balltown                  | 4,156           | 4,582              | 4,453          | 4,933             |
| Bradford                  | 4,582           | 5,171              | 4,933          | 5,605             |
| Benson                    | 5,171           | 5,611              | 5,605          | 6,097             |
| Alexander                 | 5,611           | 6,723              | 6,097          | 7,413             |
| Sycamore                  | 6,584           | 6,697              | 7,228          | 7,387             |
| Middlesex                 | 6,697           | 6,794              | 7,387          | 7,550             |
| Burkett                   | 6,794           | 6,822              | 7,550          | 7,608             |
| Tully                     | 6,822           | 6,894              | 7,608          | 7,824             |
| Marcellus                 | 6,894           | NA                 | 7,824          | NA                |

\*Please note Antero determines formation tops based on mud logs that are only run on one well on a multi-well pad. The measured depth (MD) data on subsequent wells may be slightly different due to the well's unique departure.

04/26/2024

# Hydraulic Fracturing Fluid Product Component Information Disclosure

|                                 |                              |
|---------------------------------|------------------------------|
| Job Start Date:                 | 08/12/2023                   |
| Job End Date:                   | 09/03/2023                   |
| State:                          | West Virginia                |
| County:                         | Wetzel                       |
| API Number:                     | 47-103-03557-00-00           |
| Operator Name:                  | Antero Resources Corporation |
| Well Name and Number:           | CHISELFINGER UNIT 2H         |
| Latitude:                       | 39.553689                    |
| Longitude:                      | -80.792646                   |
| Datum:                          | WGS84                        |
| Federal Well:                   | NO                           |
| Indian Well:                    | NO                           |
| True Vertical Depth:            | 6945                         |
| Total Base Water Volume (gal)*: | 17555998                     |
| Total Base Non Water Volume:    | 0                            |



| Water Source | Percent |
|--------------|---------|
|--------------|---------|

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Environmental Protection

## 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 |
|------------------------------------|--------------|--------------------------|-------------|--|--|--|----------|
| FDP-S1464-22                       | Halliburton  | Friction Reducer         |             |  |  |  |          |
| HAI-501                            | Halliburton  | Acid Corrosion Inhibitor |             |  |  |  |          |
| HYDROCHLORIC ACID, 22 BAUME        | Halliburton  | Solvent                  |             |  |  |  |          |
| Ingredients                        | Listed Above | Listed Above             |             |  |  |  |          |
| MC B-8614A                         | MultiChem    | Biocide                  |             |  |  |  |          |
| OPTIFLO-II DELAYED RELEASE BREAKER | Halliburton  | Breaker                  |             |  |  |  |          |
| Produced Water                     | Halliburton  | Base Fluid               |             |  |  |  |          |
| Sand-Common White-100 Mesh, SSA-2  | Halliburton  | Proppant                 |             |  |  |  |          |
| WG-36 GELLING AGENT                | Halliburton  | Gelling Agent            |             |  |  |  |          |

04/26/2024 *[Signature]*



Items above are Trade Names. Items below are the individual ingredients.

|  |  |  |   |             |           |          |                |
|--|--|--|---|-------------|-----------|----------|----------------|
|  |  |  | Water   | 7732-18-5   | 100.00000 | 86.07030 | Density = 8.34 |
|  |  |  | Crystalline silica, quartz  | 14808-60-7  | 100.00000 | 13.74086 | None           |
|  |  |  | Water   | 7732-18-5   | 100.00000 | 0.16590  | None           |
|  |  |  | Hydrochloric acid   | 7647-01-0   | 30.00000  | 0.03911  | None           |
|  |  |  | Complex amine compound  | Proprietary | 60.00000  | 0.02708  | None           |
|  |  |  | Hydrotreated distillate   | Proprietary | 30.00000  | 0.01354  | None           |
|  |  |  | Guar gum  | 9000-30-0   | 100.00000 | 0.00456  | None           |
|  |  |  | Glutaraldehyde  | 111-30-8    | 30.00000  | 0.00254  | None           |
|  |  |  | Ammonium chloride   | 12125-02-9  | 5.00000   | 0.00226  | None           |
|  |  |  | Fatty nitrogen derived amides   | Proprietary | 5.00000   | 0.00226  | None           |
|  |  |  | Ethoxylated alcohol   | Proprietary | 5.00000   | 0.00226  | None           |
|  |  |  | Sorbitan, mono-9-octadecenoate, (Z)   | 1338-43-8   | 1.00000   | 0.00045  | None           |
|  |  |  | Sorbitan monooleate polyoxyethylene derivative  | 9005-65-6   | 1.00000   | 0.00045  | None           |
|  |  |  | Alkyl (C12-16) dimethylbenzyl ammonium chloride   | 68424-85-1  | 5.00000   | 0.00042  | None           |
|  |  |  | Methanol  | 67-56-1     | 100.00000 | 0.00024  | None           |
|  |  |  | Ammonium persulfate   | 7727-54-0   | 100.00000 | 0.00009  | None           |
|  |  |  | Ethanol   | 64-17-5     | 1.00000   | 0.00008  | None           |
|  |  |  | Mixture of dimer and trimer fatty acids of indefinite composition derived from tall oil | 61790-12-3  | 30.00000  | 0.00007  | None           |
|  |  |  | Modified thiourea polymer   | Proprietary | 30.00000  | 0.00007  | None           |
|  |  |  | Oxylated phenolic resin   | Proprietary | 30.00000  | 0.00003  | None           |
|  |  |  | Propargyl alcohol   | 107-19-7    | 5.00000   | 0.00001  | None           |
|  |  |  | Hexadecene  | 629-73-2    | 5.00000   | 0.00001  | None           |
|  |  |  | Ethoxylated alcohols  | Proprietary | 5.00000   | 0.00001  | None           |
|  |  |  | C.I. pigment Orange 5   | 3468-63-1   | 1.00000   | 0.00000  | None           |

\* 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%

04/26/2024

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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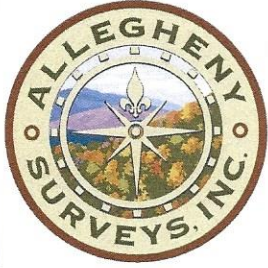
WV Department of  
Environmental Protection

04/26/2024

2,183' to Bottom Hole

325' to Top Hole

Antero Resources  
Well No. Chiselfinger 2H  
As-Drilled  
Antero Resources Corporation



TOP HOLE LATITUDE 39 - 35 - 00  
BTM HOLE LATITUDE 39 - 37 - 30

Notes  
West Virginia Coordinate System  
of 1927, North Zone  
based upon Differential GPS Measurements.  
Well No. Chiselfinger 2H Top Hole coordinates are  
N: 386,369.17' Latitude: 39°33'12.99"  
E: 1,635,477.09' Longitude: 80°47'34.15"  
Bottom Hole coordinates are  
N: 399,421.34' Latitude: 39°35'21.74"  
E: 1,633,806.06' Longitude: 80°47'57.89"  
UTM Zone 17, NAD 1983  
Top Hole Coordinates Bottom Hole Coordinates  
N: 4,378,243.287m N: 4,382,211.221m  
E: 517,814.714m E: 517,239.385m  
Plat orientation and corner and well references  
are based upon the grid north meridian.  
Well location references are based upon the magnetic  
meridian.

LONGITUDE 80 - 47 - 30

10,827' to Top Hole

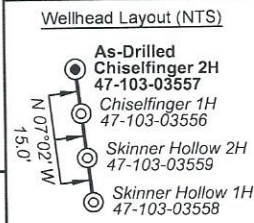
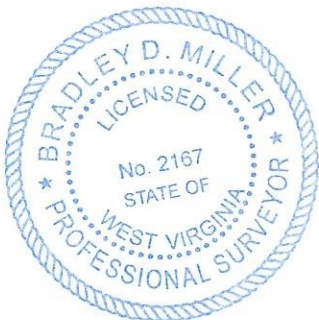
12,977' to Bottom Hole

Top Hole Coordinates,  
As-drilled data, and information  
was provided by Antero  
Resources Corporation.  
Allegheny Surveys Inc. (ASI) is  
not certifying the data and  
information provided. ASI is not  
responsible for any errors or  
inaccuracies with the data and  
information that has been  
provided.

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 prescribed by the  
Department of Environmental Protection.

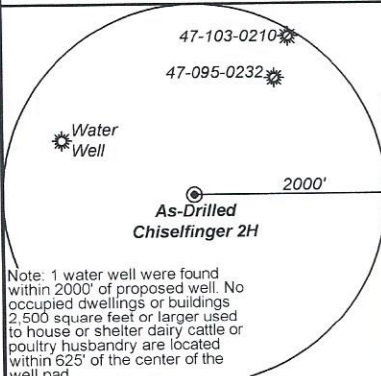
*Bradley D. Miller*

Bradley D. Miller, P.S. 2167



Legend

|  |                                   |
|--|-----------------------------------|
|  | Proposed gas well                 |
|  | Monument, as noted                |
|  | Existing Well, as noted           |
|  | Digitized Well, as noted          |
|  | Creek or Drain                    |
|  | Road                              |
|  | County Line                       |
|  | Surface boundary (approx.)        |
|  | Interior surface tracts (approx.) |



FILE NO: 150-34-G-22  
DRAWING NO: Chiselfinger 2H As-Drilled  
SCALE: 1" = 2000'  
MINIMUM DEGREE OF ACCURACY:  
Submeter  
PROVEN SOURCE OF ELEVATION:  
CORS, Monroe County, OH

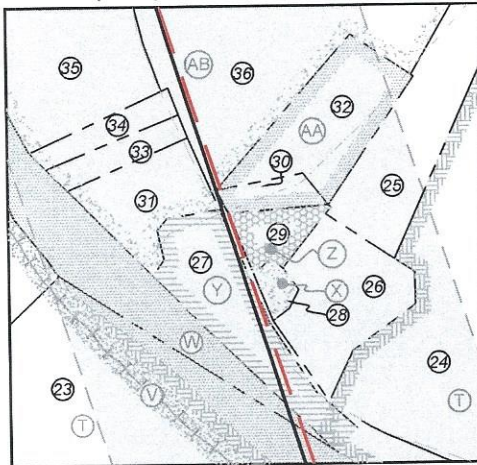
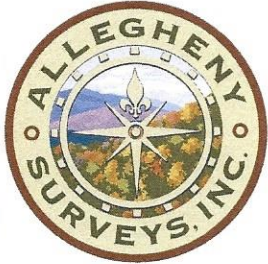
STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
OIL AND GAS DIVISION

DATE: December 5 2023  
OPERATOR'S WELL NO. Chiselfinger Unit 2H  
API WELL NO  
47 - 103 - 03557  
STATE COUNTY PERMIT

WELL TYPE:  OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  
(IF GAS) PRODUCTION:  STORAGE  DEEP  SHALLOW  
LOCATION: ELEVATION: As-Built 1,255' WATERSHED: Fishing Creek QUADRANGLE: Porter Falls 525.69;  
DISTRICT: Green COUNTY: Wetzel 103.463; 3; 2.5;  
SURFACE OWNER: Ernest Clark Karen & Stone Hill Minerals Holdings, LLC; Shiben Estates, Inc.; Estelle M. Bonner Moses; 120.5;  
Linda L. & Heath Starkweather; BRC Appalachian Minerals I, LLC; Kenneth D. Fiharty; 34; 5.2; 50.72; 50;  
ROYALTY OWNER: Karen Sue Clark; Clair P. Dawson; John Ray Nolan; Barbara Anne Amos King. LEASE NO: ACREAGE: 40; 214.17; 36;  
PROPOSED WORK:  DRILL  CONVERT  DRILL DEEPER  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  
 PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) As-Drilled 6.945' TVD  
 PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 19,332' MD

WELL OPERATOR: Antero Resources Corporation DESIGNATED AGENT: Kevin Ellis  
ADDRESS: 1615 Wynkoop Street ADDRESS: 535 White Oaks Blvd.  
Denver, CO 80202 Bridgeport, WV 26330

**Detail (NTS)**



| ID | TM-Par | Owner                                  | Bk/Pg    | Acres  |
|----|--------|--|----------|--------|
| 1  | 8-1    | Karen & Ernest Clark                   | 366/625  | 15.00  |
| 2  | 8-4    | Karen & Ernest Clark                   | 366/625  | 34.25  |
| 3  | 7-16   | John B. & Helen L. Bennett             | 334/359  | 90.00  |
| 4  | 15-6   | Robert E. & Beth Ann Clark             | 366/460  | 53.25  |
| 5  | 15-7   | Clair Phillip Dawson, Jr.              | 471/210  | 104.25 |
| 6  | 15-8.1 | Edward Dawson Estate                   | 331/473  | 5.00   |
| 7  | 15-5.1 | Ronald Nolan                           | 474/232  | 0.75   |
| 8  | 16-5   | Mt. Olive Cemetery                     | ---/---  | 0.80   |
| 9  | 15-8   | Clair Phillip Dawson, Jr.              | 471/210  | 3.00   |
| 10 | 15-4   | Clair Phillip Dawson, Jr.              | 471/210  | 16.25  |
| 11 | 15-11  | William D. Hope                        | 394/630  | 1.00   |
| 12 | 16-7   | Wilbur B. Dawson & Loretta P. Ueltschy | 408/192  | 54.50  |
| 13 | 16-1   | Richard Coleman Nolan                  | 264/313  | 60.72  |
| 14 | 12-52  | Linda Lou Jackson                      | 399/34   | 50.00  |
| 15 | 12-45  | Roger Dale Midcap                      | 399/37   | 46.00  |
| 16 | 12-43  | Coastal Forest Resources Co            | 444/105  | 172.70 |
| 17 | 12-44  | Jerome E. Staley II, et al             | 453/271  | 6.00   |
| 18 | 12-16  | Charmaine A. & Heath C. Starkweather   | 427/930  | 36.00  |
| 19 | 11-14  | Steven M. & Marisa J. Ingold           | 494/13   | 25.00  |
| 20 | 12-15  | Coastal Forest Resources Co.           | 444/105  | 51.00  |
| 21 | 12-1   | Bradley Warren Ueltschy                | 476/310  | 78.13  |
| 22 | 11-10  | Russell Jones, Jr.                     | 273/78   | 53.00  |
| 23 | 12-1.1 | Gary L. Price & Susan L. Lambert       | WB89/627 | 31.38  |
| 24 | 7-43   | Ruth D. Varian                         | 357/530  | 78.12  |
| 25 | 7-42   | Zackwell Cochran                       | 161/312  | 0.30   |
| 26 | 7-42.4 | Hohman Revocable Living Trust          | 445/45   | 2.19   |
| 27 | 7-42.2 | Kenneth D., Jr. & Debra K. Fluharty    | 477/281  | 3.00   |
| 28 | 7-42.3 | Tammy Lynn Watson                      | 346/398  | 0.25   |
| 29 | 7-42.1 | Lawrence Adam O'Neil                   | W117/371 | 0.50   |
| 30 | 7-36.1 | Roy & Carla J. Harrison                | 297/561  | 0.50   |
| 31 | 7-25.1 | Darrell Vane Starkey                   | 339/324  | 1.40   |
| 32 | 7-36   | Roy & Carla J. Harrison                | 297/561  | 2.00   |
| 33 | 7-25.2 | D. Vane Starkey                        | 423/857  | 0.57   |
| 34 | 7-25.3 | Roy Wayne Harrison                     | 421/216  | 0.62   |
| 35 | 7-25.4 | Roy W. II, & Julie L. Harrison         | 457/366  | 11.04  |
| 36 | 7-25   | Barbara Joy Starkey                    | 339/494  | 44.13  |
| 37 | 7-18   | George M. Arthurs, et ux               | 409/362  | 98.06  |

| Leases |                                      |
|--------|--------------------------------------|
| A      | Karen Sue Clark                      |
| B      | Karen Sue Clark                      |
| C      | John B. Bennett, et ux               |
| D      | Clair P. Dawson                      |
| E      | Robert Eugene & Beth Ann Clark       |
| F      | Ronald C. Nolan, Jr.                 |
| G      | Veronica Lynn McNeely                |
| H      | Shiben Estates, Inc.                 |
| I      | Timothy W. Ueltschy                  |
| J      | John Ray Nolan                       |
| K      | Linda L. & Jess S. Jackson           |
| L      | Barbara Anne Amos King               |
| M      | Gregory W. Burrough                  |
| N      | Barbara A. King                      |
| O      | Ridgetop Appalachia, LLC             |
| P      | Chesapeake Appalachia, LLC           |
| Q      | Charmaine A. & Heath C. Starkweather |
| R      | Russell L. Jones, Jr.                |
| S      | BRC Appalachian Minerals I, LLC      |
| T      | Stone Hill Minerals Holdings, LLC    |
| U      | W.C. Cunningham, et al               |
| V      | CSX Transportation Inc.              |
| W      | WVDNR                                |
| X      | Tammy L. Watson                      |
| Y      | Kenneth D. Fluharty, et ux           |
| Z      | Patricia I. Lasure                   |
| AA     | Roy W. Harrison, et ux               |
| AB     | Estelle M. Bonner Moses              |
| AC     | George N. Myers, et ux               |

FILE NO: 150-34-G-22  
 DRAWING NO: Chiselfinger 2H As-Drilled  
 SCALE: 1" = 2000'  
 MINIMUM DEGREE OF ACCURACY:  
Submeter  
 PROVEN SOURCE OF ELEVATION:  
CORS, Monroe County, OH

**STATE OF WEST VIRGINIA**  
 DEPARTMENT OF ENVIRONMENTAL PROTECTION  
**OIL AND GAS DIVISION**

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47 — 103 — 03557  
 STATE COUNTY PERMIT

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 (IF GAS) PRODUCTION:  STORAGE  DEEP  SHALLOW

LOCATION: ELEVATION: As-Built 1,255' WATERSHED: Fishing Creek QUADRANGLE: Porter Falls 525.69;  
 DISTRICT: Green COUNTY: Wetzel 103.463; 3; 2.5;  
 SURFACE OWNER: Karen & Ernest Clark CSX Transportation, Inc.; Roy W. Harrison, et ux; WVDNR; Stone Hill Minerals Holdings, LLC; Shiben Estates, Inc.; Estelle M. Bonner Moses; 120.5;  
 ROYALTY OWNER: Karen Sue Clark; Clair P. Dawson; John Ray Nolan; Barbara Anne Amos King; LEASE NO: \_\_\_\_\_ ACREAGE: 15.00 54, 3.2, 60.72; 50;  
 40; 214.17; 36;  
 51; 71.61; 61;

PROPOSED WORK:  DRILL  CONVERT  DRILL DEEPER  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  
 PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) As-Drilled 6,945' TVD  
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