

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

API 47 - 095 - 02729 County Tyler District Ellsworth  
Quad Shirley Pad Name Blizzard Field/Pool Name -----  
Farm name Roger D Blizzard & Ruth E Spencer Well Number Wade 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 4372104m Easting 512810m  
Landing Point of Curve Northing 4371893.42m Easting 512451.26m  
Bottom Hole Northing 4367342m Easting 514031m

Elevation (ft) 1004' 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 3/29/21 Date drilling commenced 5/7/2021 Date drilling ceased 7/18/2021  
Date completion activities began 8/3/2021 Date completion activities ceased 10/31/2021  
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 16' Open mine(s) (Y/N) depths No  
Salt water depth(s) ft 1813' Void(s) encountered (Y/N) depths No  
Coal depth(s) ft None Identified Cavern(s) encountered (Y/N) depths No  
Is coal being mined in area (Y/N) No

Reviewed by: \_\_\_\_\_

WR-35  
Rev. 8/23/13

API 47-095 - 02729 Farm name Roger D Blizzard & Ruth E Spencer Well number Wade 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                 | 24"           | 20"         | 80'    | New         | 94#, H-40   | N/A             | Y  |
| Surface                   | 17-1/2"       | 13-3/8"     | 358'   | New         | 54.5#, J-55 | N/A             | Y  |
| Coal                      |               |             |        |             |             |                 |  |
| Intermediate 1            | 12-1/4"       | 9-5/8"      | 2649'  | New         | 36#, J-55   | N/A             | Y  |
| Intermediate 2            |               |             |        |             |             |                 |  |
| Intermediate 3            |               |             |        |             |             |                 |  |
| Production                | 8-3/4"/8-1/2" | 5-1/2"      | 23373' | New         | 20#, P-100  | N/A             | Y  |
| Tubing                    |               | 2-3/8"      | 6883'  |             | 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              | 266 sx                       | 15.6                    | 1.18                         | 56                        | 0'                             | 8 Hrs.    |
| Surface        | Class A              | 431 sx                       | 15.6                    | 1.20                         | 92                        | 0'                             | 8 Hrs.    |
| Coal           |                      |                              |                         |                              |                           |                                |           |
| Intermediate 1 | Class A              | 903 sx                       | 15.6                    | 1.19                         | 191                       | 0'                             | 8 Hrs.    |
| Intermediate 2 |                      |                              |                         |                              |                           |                                |           |
| Intermediate 3 |                      |                              |                         |                              |                           |                                |           |
| Production     | Class H              | 792 sx (Lead) 3639 sx (Tail) | 13.5 (Lead), 15.2(Tail) | 1.4 (Lead), 1.26 (Tail)      | 817                       | ~500' into Intermediate Casing | 8 Hrs.    |
| Tubing         |                      |                              |                         |                              |                           |                                |           |

Drillers TD (ft) 23414' MD, 6611' TVD (BHL), 6611' (Deepest Point Drilled) Loggers TD (ft) 23414' MD  
 Deepest formation penetrated Marcellus Plug back to (ft) N/A  
 Plug back procedure N/A

Kick off depth (ft) 5891'

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

API 47- 095 - 02729 Farm name Roger D Blizzard & Ruth E Spencer Well number Wade Unit 1H

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> |                  |                        |                      |                        |              |
|                                       |                  |                        |                      |                        |              |
|                                       |                  |                        |                      |                        |              |
|                                       |                  |                        |                      |                        |              |
|                                       |                  |                        |                      |                        |              |
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|                                       |                  |                        |                      |                        |              |
|                                       |                  |                        |                      |                        |              |
|                                       |                  |                        |                      |                        |              |

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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|                                       |                   |                     |                              |                              |            |                          |                        |                                  |

Please insert additional pages as applicable.

API 47- 095 - 02729 Farm name Roger D Blizzard & Ruth E Spencer Well number Wade Unit 1H

| <u>PRODUCING FORMATION(S)</u> | <u>DEPTHS</u>      |            |                              |
|-------------------------------|--------------------|------------|------------------------------|
|                               | <u>6470' (TOP)</u> | <u>TVD</u> | <u>6938' (TOP)</u> <u>MD</u> |
| <u>Marcellus</u>              |                    |            |                              |
|                               |                    |            |                              |
|                               |                    |            |                              |

Please insert additional pages as applicable.

GAS TEST  Build up  Drawdown  Open Flow OIL TEST  Flow  Pump

SHUT-IN PRESSURE Surface 2800 psi Bottom Hole --- psi DURATION OF TEST --- hrs

OPEN FLOW Gas 9820 mcfpd Oil 267 bpd NGL --- bpd Water 372 bpd GAS MEASURED BY  Estimated  Orifice  Pilot

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

**\*PLEASE SEE ATTACHED EXHIBIT 3**

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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 6500 West Fwy City Fort Worth State TX Zip 76116

Cementing Company Shclumberger  
Address 5599 San Felipe St City Houston State TX Zip 77056

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

Please insert additional pages as applicable.

Completed by Brandi Hankins Telephone 303-357-7223  
Signature  Title Completions Technician Date 3/31/22

| API 47-095-02729 Farm Name Roger D Blizzard & Ruth E Spencer Well Number Wade Unit 1H |                  |                        |                      |                        |            |
|---|------------------|------------------------|----------------------|------------------------|------------|
| Stage No.   | Perforation Date | Perforated from MD ft. | Perforated to MD ft. | Number of Perforations | Formations |
| 1   | 08/03/2021       | 23299                  | 23255                | 36                     | Marcellus  |
| 2   | 08/04/2021       | 23216.53086            | 23051.1852           | 36                     | Marcellus  |
| 3   | 08/04/2021       | 23015.71605            | 22850.3704           | 36                     | Marcellus  |
| 4   | 08/04/2021       | 22814.90123            | 22649.5556           | 36                     | Marcellus  |
| 5   | 08/05/2021       | 22614.08642            | 22448.7407           | 36                     | Marcellus  |
| 6   | 08/06/2021       | 22413.2716             | 22247.9259           | 36                     | Marcellus  |
| 7   | 08/06/2021       | 22212.45679            | 22047.1111           | 36                     | Marcellus  |
| 8   | 08/06/2021       | 22011.64198            | 21846.2963           | 36                     | Marcellus  |
| 9   | 08/07/2021       | 21810.82716            | 21645.4815           | 36                     | Marcellus  |
| 10  | 08/07/2021       | 21610.01235            | 21444.6667           | 36                     | Marcellus  |
| 11  | 08/08/2021       | 21409.19753            | 21243.8519           | 36                     | Marcellus  |
| 12  | 08/08/2021       | 21208.38272            | 21043.037            | 36                     | Marcellus  |
| 13  | 08/08/2021       | 21007.5679             | 20842.2222           | 36                     | Marcellus  |
| 14  | 08/08/2021       | 20806.75309            | 20641.4074           | 36                     | Marcellus  |
| 15  | 08/09/2021       | 20605.93827            | 20440.5926           | 36                     | Marcellus  |
| 16  | 08/09/2021       | 20405.12346            | 20239.7778           | 36                     | Marcellus  |
| 17  | 08/10/2021       | 20204.30864            | 20038.963            | 36                     | Marcellus  |
| 18  | 08/10/2021       | 20003.49383            | 19838.1481           | 36                     | Marcellus  |
| 19  | 08/10/2021       | 19802.67901            | 19637.3333           | 36                     | Marcellus  |
| 20  | 08/11/2021       | 19601.8642             | 19436.5185           | 36                     | Marcellus  |
| 21  | 08/11/2021       | 19401.04938            | 19235.7037           | 36                     | Marcellus  |
| 22  | 08/12/2021       | 19200.23457            | 19034.8889           | 36                     | Marcellus  |
| 23  | 08/12/2021       | 18999.41975            | 18834.0741           | 36                     | Marcellus  |
| 24  | 08/12/2021       | 18798.60494            | 18633.2593           | 36                     | Marcellus  |
| 25  | 08/13/2021       | 18597.79012            | 18432.4444           | 36                     | Marcellus  |
| 26  | 08/13/2021       | 18396.97531            | 18231.6296           | 36                     | Marcellus  |
| 27  | 08/13/2021       | 18196.16049            | 18030.8148           | 36                     | Marcellus  |
| 28  | 08/14/2021       | 17995.34568            | 17830                | 36                     | Marcellus  |
| 29  | 08/14/2021       | 17794.53086            | 17629.1852           | 36                     | Marcellus  |
| 30  | 08/14/2021       | 17593.71605            | 17428.3704           | 36                     | Marcellus  |
| 31  | 08/15/2021       | 17392.90123            | 17227.5556           | 36                     | Marcellus  |
| 32  | 08/15/2021       | 17192.08642            | 17026.7407           | 36                     | Marcellus  |
| 33  | 08/16/2021       | 16991.2716             | 16825.9259           | 36                     | Marcellus  |
| 34  | 08/16/2021       | 16790.45679            | 16625.1111           | 36                     | Marcellus  |
| 35  | 08/17/2021       | 16589.64198            | 16424.2963           | 36                     | Marcellus  |
| 36  | 08/17/2021       | 16388.82716            | 16223.4815           | 36                     | Marcellus  |
| 37  | 08/17/2021       | 16188.01235            | 16022.6667           | 36                     | Marcellus  |
| 38  | 08/18/2021       | 15987.19753            | 15821.8519           | 36                     | Marcellus  |
| 39  | 08/18/2021       | 15786.38272            | 15621.037            | 36                     | Marcellus  |
| 40  | 08/19/2021       | 15585.5679             | 15420.2222           | 36                     | Marcellus  |
| 41  | 08/19/2021       | 15384.75309            | 15219.4074           | 36                     | Marcellus  |
| 42  | 08/19/2021       | 15183.93827            | 15018.5926           | 36                     | Marcellus  |
| 43  | 08/19/2021       | 14983.12346            | 14817.7778           | 36                     | Marcellus  |
| 44  | 08/20/2021       | 14782.30864            | 14616.963            | 36                     | Marcellus  |
| 45  | 08/20/2021       | 14581.49383            | 14416.1481           | 36                     | Marcellus  |
| 46  | 08/20/2021       | 14380.67901            | 14215.3333           | 36                     | Marcellus  |
| 47  | 08/21/2021       | 14179.8642             | 14014.5185           | 36                     | Marcellus  |
| 48  | 08/21/2021       | 13979.04938            | 13813.7037           | 36                     | Marcellus  |
| 49  | 08/21/2021       | 13778.23457            | 13612.8889           | 36                     | Marcellus  |
| 50  | 08/21/2021       | 13577.41975            | 13412.0741           | 36                     | Marcellus  |
| 51  | 08/22/2021       | 13376.60494            | 13211.2593           | 36                     | Marcellus  |
| 52  | 08/22/2021       | 13175.79012            | 13010.4444           | 36                     | Marcellus  |
| 53  | 08/23/2021       | 12974.97531            | 12809.6296           | 36                     | Marcellus  |
| 54  | 08/23/2021       | 12774.16049            | 12608.8148           | 36                     | Marcellus  |
| 55  | 08/23/2021       | 12573.34568            | 12408                | 36                     | Marcellus  |
| 56  | 08/24/2021       | 12372.53086            | 12207.1852           | 36                     | Marcellus  |
| 57  | 08/24/2021       | 12171.71605            | 12006.3704           | 36                     | Marcellus  |
| 58  | 08/25/2021       | 11970.90123            | 11805.5556           | 36                     | Marcellus  |
| 59  | 08/25/2021       | 11770.08642            | 11604.7407           | 36                     | Marcellus  |
| 60  | 08/25/2021       | 11569.2716             | 11403.9259           | 36                     | Marcellus  |
| 61  | 08/26/2021       | 11368.45679            | 11203.1111           | 36                     | Marcellus  |
| 62  | 08/26/2021       | 11167.64198            | 11002.2963           | 36                     | Marcellus  |
| 63  | 08/26/2021       | 10966.82716            | 10801.4815           | 36                     | Marcellus  |
| 64  | 08/27/2021       | 10766.01235            | 10600.6667           | 36                     | Marcellus  |
| 65  | 08/27/2021       | 10565.19753            | 10399.8519           | 36                     | Marcellus  |
| 66  | 08/28/2021       | 10364.38272            | 10199.037            | 36                     | Marcellus  |
| 67  | 08/28/2021       | 10163.5679             | 9998.22222           | 36                     | Marcellus  |
| 68  | 08/29/2021       | 9962.753086            | 9797.40741           | 36                     | Marcellus  |
| 69  | 08/29/2021       | 9761.938272            | 9596.59259           | 36                     | Marcellus  |
| 70  | 08/30/2021       | 9561.123457            | 9395.77778           | 36                     | Marcellus  |
| 71  | 08/30/2021       | 9360.308642            | 9194.96296           | 36                     | Marcellus  |
| 72  | 08/30/2021       | 9159.493827            | 8994.14815           | 36                     | Marcellus  |
| 73  | 08/31/2021       | 8958.679012            | 8793.33333           | 36                     | Marcellus  |
| 74  | 09/01/2021       | 8757.864198            | 8592.51852           | 36                     | Marcellus  |
| 75  | 09/02/2021       | 8557.049383            | 8391.7037            | 36                     | Marcellus  |
| 76  | 09/02/2021       | 8356.234568            | 8190.88889           | 36                     | Marcellus  |
| 77  | 09/02/2021       | 8155.419753            | 7990.07407           | 36                     | Marcellus  |
| 78  | 09/02/2021       | 7954.604938            | 7789.25926           | 36                     | Marcellus  |
| 79  | 09/02/2021       | 7753.790123            | 7588.44444           | 36                     | Marcellus  |
| 80  | 09/03/2021       | 7552.975309            | 7387.62963           | 36                     | Marcellus  |
| 81  | 09/03/2021       | 7352.160494            | 7186.81481           | 36                     | Marcellus  |
| 82  | 09/03/2021       | 7151.345679            | 6986                 | 36                     | Marcellus  |

API # 095-02729 Farm Name Roger D Blizzard & Ruth E Spencer Well Number Wade 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 (units) |
|-----------|-------------------|---------------|------------------------------|------------------------------|------------|--------------------------|------------------------|-----------------------------------|
| 1         | 08/03/2021        | 76.07         | 10060                        | 9121                         | 3951       | 175669                   | 212738                 | N/A                               |
| 2         | 08/04/2021        | 91.59         | 10672                        | 6551                         | 4177       | 403270                   | 314812                 | N/A                               |
| 3         | 08/04/2021        | 87.35         | 10366                        | 5885                         | 4181       | 403940                   | 326261                 | N/A                               |
| 4         | 08/04/2021        | 90.87         | 10826                        | 5676                         | 4352.45    | 404100                   | 310188                 | N/A                               |
| 5         | 08/05/2021        | 82.7          | 9713                         | 5700                         | 3661       | 397720                   | 312550                 | N/A                               |
| 6         | 08/06/2021        | 92            | 10712                        | 6088                         | 3738       | 403932                   | 311201                 | N/A                               |
| 7         | 08/06/2021        | 88.44         | 10623                        | 6852                         | 4047       | 403695                   | 300044                 | N/A                               |
| 8         | 08/06/2021        | 93.73         | 10666                        | 6561                         | 3958       | 404050                   | 294518                 | N/A                               |
| 9         | 08/07/2021        | 93.66         | 10849                        | 10559                        | 3934       | 407980                   | 301308                 | N/A                               |
| 10        | 08/07/2021        | 93.64         | 10732                        | 9895                         | 3958       | 406180                   | 294616                 | N/A                               |
| 11        | 08/08/2021        | 93.43         | 10711                        | 6490                         | 4859       | 403480                   | 291130                 | N/A                               |
| 12        | 08/08/2021        | 94.64         | 10717                        | 6618                         | 4231       | 405940                   | 288975                 | N/A                               |
| 13        | 08/08/2021        | 91.82         | 10218                        | 10231                        | 3923       | 406920                   | 297007                 | N/A                               |
| 14        | 08/08/2021        | 99.03         | 10905                        | 10143                        | 3882       | 402093                   | 296492                 | N/A                               |
| 15        | 08/09/2021        | 97.73         | 10862                        | 10822                        | 4233       | 403700                   | 294198                 | N/A                               |
| 16        | 08/09/2021        | 94.76         | 10408                        | 8865                         | 4024       | 404300                   | 291563                 | N/A                               |
| 17        | 08/10/2021        | 98.41         | 10733                        | 10509                        | 4483       | 404851                   | 293788                 | N/A                               |
| 18        | 08/10/2021        | 92.95         | 10221.59                     | 9038.17                      | 4227.95    | 410880                   | 299647                 | N/A                               |
| 19        | 08/10/2021        | 99.27         | 10846                        | 9128                         | 4006       | 403907                   | 299696                 | N/A                               |
| 20        | 08/11/2021        | 98.49         | 10505                        | 5622                         | 4180       | 402334                   | 290012                 | N/A                               |
| 21        | 08/11/2021        | 95.11         | 10011                        | 6785                         | 3958       | 401940                   | 288557                 | N/A                               |
| 22        | 08/12/2021        | 95.93         | 10056                        | 9403                         | 3974       | 405378                   | 290889                 | N/A                               |
| 23        | 08/12/2021        | 97.4          | 9944                         | 6307                         | 3583       | 403600                   | 285251                 | N/A                               |
| 24        | 08/12/2021        | 95.82         | 9885                         | 9687                         | 3962       | 405080                   | 287582                 | N/A                               |
| 25        | 08/13/2021        | 97.26         | 10005                        | 8613                         | 3934       | 410922                   | 288805                 | N/A                               |
| 26        | 08/13/2021        | 94.39         | 9908                         | 8912                         | 4322       | 404969                   | 285456                 | N/A                               |
| 27        | 08/13/2021        | 97.8          | 10060                        | 10038                        | 3668       | 408700                   | 289150                 | N/A                               |
| 28        | 08/14/2021        | 99.6          | 9919                         | 10215                        | 3539.51    | 403036                   | 285573                 | N/A                               |
| 29        | 08/14/2021        | 97.72         | 9646                         | 8410                         | 3528       | 403306                   | 293530                 | N/A                               |
| 30        | 08/14/2021        | 98.26         | 9665                         | 8686                         | 3570       | 403979                   | 279511                 | N/A                               |
| 31        | 08/15/2021        | 76.64         | 9899                         | 9433                         | 3658       | 404680                   | 288851                 | N/A                               |
| 32        | 08/15/2021        | 97.47         | 9814                         | 8884                         | 4013       | 403263                   | 285620                 | N/A                               |
| 33        | 08/16/2021        | 96.15         | 9542                         | 8264                         | 4097       | 403889                   | 285286                 | N/A                               |
| 34        | 08/16/2021        | 96.3          | 9664                         | 8413                         | 3937       | 404025                   | 284582                 | N/A                               |
| 35        | 08/17/2021        | 94.73         | 9624                         | 9588                         | 3862.25    | 403656                   | 282656                 | N/A                               |
| 36        | 08/17/2021        | 95.46         | 9676                         | 9136                         | 4011       | 403014                   | 285053                 | N/A                               |
| 37        | 08/17/2021        | 93.58         | 9127                         | 6117                         | 4334       | 403895                   | 286296                 | N/A                               |
| 38        | 08/18/2021        | 94.03         | 9344                         | 4411                         | 4016       | 403434                   | 283428                 | N/A                               |
| 39        | 08/18/2021        | 94.22         | 9601                         | 7973                         | 4376       | 407420                   | 287670                 | N/A                               |
| 40        | 08/19/2021        | 87.93         | 9181                         | 8846                         | 5073.39    | 403818                   | 368681                 | N/A                               |
| 41        | 08/19/2021        | 95.53         | 9596                         | 8885                         | 4110       | 409824                   | 300044                 | N/A                               |
| 42        | 08/19/2021        | 94.97         | 9520                         | 9318                         | 3793       | 402882                   | 327883                 | N/A                               |
| 43        | 08/19/2021        | 95.57         | 9634                         | 8968                         | 3839       | 403852                   | 284614                 | N/A                               |
| 44        | 08/20/2021        | 96.17         | 9051                         | 8735                         | 4102       | 401560                   | 280835                 | N/A                               |
| 45        | 08/20/2021        | 94.05         | 9088                         | 9100                         | 4019       | 403957                   | 282584                 | N/A                               |
| 46        | 08/20/2021        | 96.83         | 9012                         | 8940                         | 4143       | 403897                   | 281895                 | N/A                               |
| 47        | 08/21/2021        | 92.94         | 8860                         | 8885                         | 4143       | 404264                   | 279350                 | N/A                               |
| 48        | 08/21/2021        | 95.8          | 9084                         | 9139                         | 4105       | 404676                   | 283333                 | N/A                               |
| 49        | 08/21/2021        | 97.54         | 9029                         | 8705                         | 3819       | 405820                   | 286200                 | N/A                               |
| 50        | 08/21/2021        | 95.86         | 9041                         | 8087                         | 4119       | 403778                   | 278724                 | N/A                               |
| 51        | 08/22/2021        | 98.18         | 9024                         | 6925                         | 4075       | 403700                   | 281329                 | N/A                               |
| 52        | 08/22/2021        | 96.88         | 8792                         | 8894                         | 3956       | 403903                   | 281514                 | N/A                               |
| 53        | 08/23/2021        | 96.44         | 8797.37                      | 9337.37                      | 3592.9     | 403380                   | 280667                 | N/A                               |
| 54        | 08/23/2021        | 93.63         | 8525                         | 7979                         | 3756       | 403860                   | 278050                 | N/A                               |
| 55        | 08/23/2021        | 98.07         | 8974                         | 9094                         | 3963       | 403782                   | 277139                 | N/A                               |
| 56        | 08/24/2021        | 97.98         | 8975                         | 7592                         | 3841       | 403825                   | 276303                 | N/A                               |
| 57        | 08/24/2021        | 98.69         | 8980                         | 7620                         | 3689       | 404240                   | 278711                 | N/A                               |
| 58        | 08/25/2021        | 96.39         | 8822                         | 8443                         | 4069       | 405980                   | 281439                 | N/A                               |
| 59        | 08/25/2021        | 98.33         | 8864                         | 8050                         | 3739       | 423370                   | 283021                 | N/A                               |
| 60        | 08/25/2021        | 98.78         | 8774                         | 8115                         | 3808       | 408160                   | 281621                 | N/A                               |
| 61        | 08/26/2021        | 98.05         | 8582                         | 8254                         | 3841       | 403649                   | 285522                 | N/A                               |
| 62        | 08/26/2021        | 97            | 9041                         | 8463                         | 3584       | 403695                   | 281211                 | N/A                               |
| 63        | 08/26/2021        | 98.51         | 8750                         | 7638                         | 3708       | 404465                   | 277554                 | N/A                               |
| 64        | 08/27/2021        | 97.94         | 8583                         | 9070                         | 3780       | 403793                   | 281281                 | N/A                               |
| 65        | 08/27/2021        | 98.83         | 8708                         | 6767                         | 3689       | 409100                   | 283561                 | N/A                               |
| 66        | 08/28/2021        | 94.21         | 8542                         | 7219                         | 4672       | 405540                   | 339119                 | N/A                               |
| 67        | 08/28/2021        | 98.04         | 8520                         | 8423                         | 4194       | 411328                   | 282413                 | N/A                               |
| 68        | 08/29/2021        | 97.87         | 8674                         | 7640                         | 3705       | 405658                   | 284885                 | N/A                               |
| 69        | 08/29/2021        | 99.56         | 8404                         | 7076                         | 3457       | 408080                   | 284720                 | N/A                               |
| 70        | 08/30/2021        | 98.09         | 8225                         | 7098                         | 3689       | 440686                   | 290563                 | N/A                               |
| 71        | 08/30/2021        | 99.31         | 8352                         | 7339                         | 4604       | 405620                   | 290539                 | N/A                               |
| 72        | 08/30/2021        | 98.91         | 8128                         | 6763                         | 3874       | 404535                   | 278948                 | N/A                               |
| 73        | 08/31/2021        | 99.36         | 8142                         | 8527                         | 3591       | 406100                   | 279175                 | N/A                               |
| 74        | 09/01/2021        | 98.82         | 7838                         | 6764                         | 3639       | 405620                   | 316833                 | N/A                               |
| 75        | 09/02/2021        | 98.25         | 7809                         | 7318                         | 3338       | 408340                   | 278600                 | N/A                               |
| 76        | 09/02/2021        | 99.32         | 8009                         | 7366                         | 3401       | 404880                   | 280432                 | N/A                               |
| 77        | 09/02/2021        | 99.79         | 7628                         | 8723                         | 3386       | 405600                   | 278152                 | N/A                               |
| 78        | 09/02/2021        | 98.08         | 7551                         | 5682                         | 3409       | 404960                   | 276080                 | N/A                               |
| 79        | 09/02/2021        | 97.7          | 7283                         | 6815                         | 3541       | 409180                   | 278453                 | N/A                               |
| 80        | 09/03/2021        | 97.89         | 7429                         | 6468                         | 3888       | 410580                   | 280322                 | N/A                               |
| 81        | 09/03/2021        | 98.74         | 7355                         | 6777                         | 3489       | 410020                   | 277737                 | N/A                               |
| 82        | 09/03/2021        | 99.44         | 7320                         | 5760                         | 3329       | 407100                   | 279133                 | N/A                               |
|           | AVG=              | 96            | 9,332                        | 8,064                        | 3,926      | 33,038,184               | #####                  | TOTAL                             |

API 47-095-02729 Farm Name Roger D Blizzard & Ruth E Spencer Well Number Wade Unit 1H

**EXHIBIT 3**

| LITHOLOGY/ FORMATION            | TOP DEPTH (TVD) | BOTTOM DEPTH (TVD) | TOP DEPTH (MD) | BOTTOM DEPTH (MD) |
|---------------------------------|-----------------|--------------------|----------------|-------------------|
|                                 | From Surface    | From Surface       | From Surface   | From Surface      |
| Shaley Sandstone                | 74              | 214                | 74             | 214               |
| Sandy Shale                     | 214             | 364                | 214            | 364               |
| Shaley Sandstone                | 364             | 514                | 364            | 514               |
| Limestone, Tr Shale             | 514             | 544                | 514            | 544               |
| Sandstone                       | 544             | 664                | 544            | 664               |
| Limestone, Tr Coal              | 664             | 694                | 664            | 694               |
| Shaley Sandstone, Tr Coal       | 694             | 784                | 694            | 784               |
| Shale, Tr Sandstone             | 784             | 1,204              | 784            | 1,204             |
| Sandy Shale, Limestone, Tr Coal | 1,204           | 1,354              | 1,204          | 1,354             |
| Sandy Shale                     | 1,354           | 1,504              | 1,354          | 1,504             |
| Sandstone, Tr Shale, Tr Coal    | 1,504           | 1,624              | 1,504          | 1,624             |
| Sandy Shale                     | 1,624           | 1,834              | 1,624          | 1,834             |
| Shaly Sandstone, Tr coal        | 1,834           | 1,867              | 1,834          | 1,908             |
| Big Lime                        | 1,893           | 2,625              | 1,908          | 2,695             |
| Fifty Foot Sandstone            | 2,625           | 2,709              | 2,669          | 2,782             |
| Gordon                          | 2,709           | 3,005              | 2,756          | 3,093             |
| Fifth Sandstone                 | 3,005           | 3,069              | 3,067          | 3,160             |
| Bayard                          | 3,069           | 3,873              | 3,134          | 4,000             |
| Speechley                       | 3,873           | 4,180              | 3,974          | 4,321             |
| Balltown                        | 4,180           | 4,537              | 4,295          | 4,693             |
| Bradford                        | 4,537           | 4,937              | 4,667          | 5,114             |
| Benson                          | 4,937           | 5,167              | 5,088          | 5,355             |
| Alexander                       | 5,167           | 6,302              | 5,329          | 6,594             |
| Sycamore                        | 6,165           | 6,276              | 6,416          | 6,568             |
| Middlesex                       | 6,276           | 6,369              | 6,568          | 6,732             |
| Burkett                         | 6,369           | 6,393              | 6,732          | 6,785             |
| Tully                           | 6,393           | 6,444              | 6,785          | 6,938             |
| Marcellus                       | 6,444           | NA                 | 6,938          | 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.

## Hydraulic Fracturing Fluid Product Component Information Disclosure

|                                |                              |
|--------------------------------|------------------------------|
| Job Start Date:                | 8/3/2021                     |
| Job End Date:                  | 9/3/2021                     |
| State:                         | West Virginia                |
| County:                        | Tyler                        |
| API Number:                    | 47-095-02729-00-00           |
| Operator Name:                 | Antero Resources Corporation |
| Well Name and Number:          | Wade Unit 1H                 |
| Latitude:                      | 39.49838100                  |
| Longitude:                     | -80.85118100                 |
| Datum:                         | NAD83                        |
| Federal Well:                  | NO                           |
| Indian Well:                   | NO                           |
| True Vertical Depth:           | 6,610                        |
| Total Base Water Volume (gal): | 25,300,042                   |
| Total Base Non Water Volume:   | 0                            |



### 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       |
|------------------------|--------------|--------------|-------------|--|--|--|----------------|
| Produced Water Mixture | Halliburton  | Base Fluid   |             |  |  |  |                |
|                        |              |              | Water       | 7732-18-5                                | 100.00000  | 86.54767   | Density = 8.50 |
| Ingredients            | Listed Above | Listed Above |             |  |  |  |                |
|                        |              |              | Water       | 7732-18-5                                | 100.00000  | 0.07280  |                |



|                                    |                    |                          |  |              |  |  |  |
|------------------------------------|--------------------|--------------------------|--|--------------|--|--|--|
| Sand-Common White-100 Mesh, SSA-2  | Halliburton        | Proppant                 |  |              |  |  |  |
|                                    |                    |                          |  | Listed Below |  |  |  |
| FLUID Enviro-Syn HCR-7000-WL       | Fluid Energy Group | Acid Replacement         |  |              |  |  |  |
|                                    |                    |                          |  | Listed Below |  |  |  |
| OPTIFLO-II DELAYED RELEASE BREAKER | Halliburton        | Breaker                  |  |              |  |  |  |
|                                    |                    |                          |  | Listed Below |  |  |  |
| HYDROCHLORIC ACID, 22 BAUME        | Halliburton        | Solvent                  |  |              |  |  |  |
|                                    |                    |                          |  | Listed Below |  |  |  |
| WG-36 GELLING AGENT                | Halliburton        | Gelling Agent            |  |              |  |  |  |
|                                    |                    |                          |  | Listed Below |  |  |  |
| MC B-8614A                         | MultiChem          | Biocide                  |  |              |  |  |  |
|                                    |                    |                          |  | Listed Below |  |  |  |
| HAI-501                            | Halliburton        | Acid Corrosion Inhibitor |  |              |  |  |  |
|                                    |                    |                          |  | Listed Below |  |  |  |
| Excelerate LX-15                   | Halliburton        | Friction Reducer         |  |              |  |  |  |
|                                    |                    |                          |  | Listed Below |  |  |  |

| Items above are Trade Names with the exception of Base Water . Items below are the individual ingredients. |  |  |   |             |           |          |
|--|--|--|---|-------------|-----------|----------|
|  |  |  | Crystalline silica, quartz  | 14808-60-7  | 100.00000 | 13.29633 |
|  |  |  | Complex Amine Compound  | Proprietary | 60.00000  | 0.03056  |
|  |  |  | Hydrotreated light petroleum distillate   | 64742-47-8  | 30.00000  | 0.01528  |
|  |  |  | Proprietary   | Proprietary | 20.00000  | 0.01163  |
|  |  |  | Hydrochloric acid   | 7647-01-0   | 30.00000  | 0.00994  |
|  |  |  | Proprietary   | Proprietary | 10.00000  | 0.00581  |
|  |  |  | Guar gum  | 9000-30-0   | 100.00000 | 0.00455  |
|  |  |  | Glutaraldehyde  | 111-30-8    | 30.00000  | 0.00274  |
|  |  |  | Sobitan, mono-9-octadecenoate, (Z)  | 1338-43-8   | 5.00000   | 0.00255  |
|  |  |  | Surfactant  | Proprietary | 5.00000   | 0.00255  |
|  |  |  | Ethoxylated alcohols  | Proprietary | 5.00000   | 0.00051  |
|  |  |  | Alkoxylated polyhydric alcohol  | Proprietary | 1.00000   | 0.00051  |
|  |  |  | Organic chloride compound   | Proprietary | 1.00000   | 0.00051  |
|  |  |  | Alkyl (C12-16) dimethylbenzyl ammonium chloride   | 68424-85-1  | 5.00000   | 0.00046  |
|  |  |  | Ammonium persulfate   | 7727-54-0   | 100.00000 | 0.00011  |
|  |  |  | Ethanol   | 64-17-5     | 1.00000   | 0.00009  |
|  |  |  | Methanol  | 67-56-1     | 100.00000 | 0.00006  |
|  |  |  | Oxylated phenolic resin   | Proprietary | 30.00000  | 0.00003  |
|  |  |  | Mixture of dimer and trimer fatty acids of indefinite composition derived from tall oil | 61790-12-3  | 30.00000  | 0.00002  |
|  |  |  | Modified thiourea polymer   | Proprietary | 30.00000  | 0.00002  |
|  |  |  | Nitrated acetate salt   | Proprietary | 0.01000   | 0.00001  |
|  |  |  | Acrylamide  | 79-06-1     | 0.01000   | 0.00001  |
|  |  |  | Sodium glycolate  | 2836-32-0   | 0.01000   | 0.00001  |
|  |  |  | Formaldehyde  | 50-00-0     | 0.01000   | 0.00001  |

|  |  |  |                       |             |         |         |  |
|--|--|--|-----------------------|-------------|---------|---------|--|
|  |  |  | Organic salt #2       | Proprietary | 0.01000 | 0.00001 |  |
|  |  |  | Organic salt #1       | Proprietary | 0.01000 | 0.00001 |  |
|  |  |  | Sodium hydroxide      | 1310-73-2   | 0.01000 | 0.00001 |  |
|  |  |  | Propargyl alcohol     | 107-19-7    | 5.00000 | 0.00000 |  |
|  |  |  | Hexadecene            | 629-73-2    | 5.00000 | 0.00000 |  |
|  |  |  | C.I. pigment Orange 5 | 3468-63-1   | 1.00000 | 0.00000 |  |

\* 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%

\*\*\* If you are calculating a percentage of total ingredients do not add the water volume below the green line to the water volume above the green line

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)

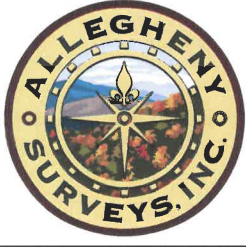
1,057' to Bottom Hole

Antero Resources  
Well No. Wade 1H  
As-Drilled  
Antero Resources Corporation

Page 1 of 3

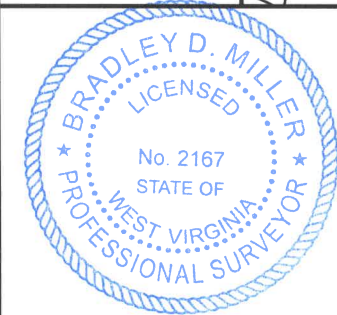
Top Hole 7.5' Spot

5,036' to Top Hole BTM Hole  
TOP HOLE LATITUDE 39 - 30 - 00 7.5' Spot  
BTM HOLE LATITUDE 39 - 27 - 30



Wellhead Layout

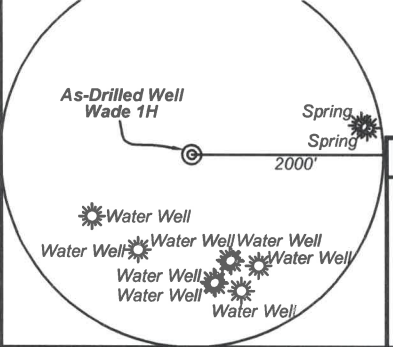
- Pechora Unit 2H 47-095-02725
- Pechora Unit 1H 47-095-02724
- Whitmore Unit 2H 47-095-02727
- Whitmore Unit 1H 47-095-02726
- Wade Unit 2H 47-095-02728 As-Drilled
- Wade Unit 1H 47-095-02729



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, P.S. 2167

Note: 8 water wells and 2 springs were found within 2000' of proposed well. No occupied dwellings or buildings 2,500 square feet or larger used to house or shelter dairy cattle or poultry husbandry are located within 625' of the center of the well pad.



**Legend**

- Proposed gas well
- Found corner, as noted
- Existing Well, as noted
- Digitized Well
- Existing Road
- Existing Road
- Surface boundary (approx.)
- Interior surface tracts (approx.)

Notes:  
West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.  
Well No. Wade Unit 1H Top Hole coordinates are  
N: 366,498.12' Latitude: 39°29'54.17"  
E: 1,618,719.87' Longitude: 80°51'04.25"  
Bottom Hole coordinates are  
N: 350,806.58' Latitude: 39°27'19.65"  
E: 1,622,467.30' Longitude: 80°50'13.470"  
UTM Zone 17, NAD 1983  
Top Hole Coordinates Bottom Hole Coordinates  
N: 4,372,104.071m N: 4,367,342.661m  
E: 512,810.403m E: 514,031.868m  
Plat orientation and corner and well references are based upon the grid north meridian.  
Well location references are based upon the magnetic meridian.

Wade Unit 1H As-Drilled  
POE Coordinates  
West Virginia  
Coordinate System of 1927, North Zone  
N: 366,443.98'  
E: 1,617,373.84'  
Latitude: 39°29'53.43"  
Longitude: 80°51'21.41"  
UTM Zone 17, NAD 1983  
N: 4,372,080.720m  
E: 512,400.606m

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.

|    | Bearing    | Dist.    |
|----|------------|----------|
| L1 | S 20°25' E | 1,001.4' |
| L2 | N 37°14' W | 1,607.8' |
| L3 | N 41°19' E | 1,121.7' |
| L4 | N 75°05' E | 936.5'   |

FILE NO: 97-54-E-19  
DRAWING NO: Wade 1H As-Drilled  
SCALE: 1" = 2000'  
MINIMUM DEGREE OF ACCURACY: Submeter  
PROVEN SOURCE OF ELEVATION: WVDOT, Harrisville, WV

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

DATE: March 7 20 22  
OPERATOR'S WELL NO. Wade 1H  
API WELL NO  
47 - 095 - 02729  
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: As-Built 1,004' WATERSHED: Outlet Middle Island Creek QUADRANGLE: Shirley

DISTRICT: Ellsworth COUNTY: Tyler

SURFACE OWNER: Roger D. Blizzard & Ruth E. Spencer ACREAGE: 102.62

ROYALTY OWNER: Heritage Resources - Marcellus Minerals, LLC; B. Fred Hill Jr.; Keith C. & Phyllis J. Smith; LEASE NO: ACREAGE: 28.009; 168.175; 24;

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

PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 23,414' MD

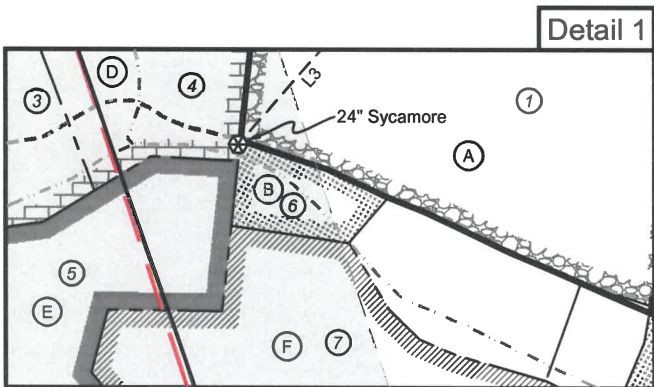
WELL OPERATOR: Antero Resources Corporation DESIGNATED AGENT: Dianna Stamper - CT Corporation System  
ADDRESS: 1615 Wynkoop Street ADDRESS: 5400 D Big Tyler Road  
Denver, CO 80202 Charleston, WV 25313





| Leases |   |    |                                |
|--------|---|----|--------------------------------|
| A      | Heritage Resources - Marcellus Minerals, LLC    | S  | Patrick Lewis Smith            |
|        |   | T  | WVDNR                          |
| B      | Heritage Resources - Marcellus Minerals, LLC    | U  | Danny L. & Terri E. Botkins    |
|        |   | V  | Lloyd E. & Nancy J. Wade       |
| C      | B. Fred Hill Jr.                                | W  | James R. Pinney                |
| D      | Clifford and Virginia Perkins Irrevocable Trust | X  | ATX Mineral Holdings, LLC      |
|        |   | Y  | Edward H. Estep, et ux         |
| E      | Carl E. Taylor, et ux                           | Z  | Brian M. Weigle                |
| F      | The Swan Living Trust                           | AA | Lloyd Carl Seckman             |
| G      | Charles T. White Jr.                            | AB | David E. Bowyer                |
| H      | Ridgetop Capital II, LP                         | AC | ATX Mineral Holdings, LLC      |
| I      | Elmer Earl Bowser Jr.                           | AD | Brian M. Glover                |
| J      | Kenneth R. & Jennifer L. Mason                  | AE | Robert O'Neil Dotson, et ux    |
| K      | Haessly Land & Timber, LLC                      | AF | AMP Fund II, LP                |
| L      | Bradley J. Carpenter                            | AG | Brian M. Weigle                |
| M      | WVDNR   | AH | Rheba McMichael                |
| N      | Ronald E. Thompson, et ux                       | AI | Kenneth R. & Jennifer L. Mason |
| O      | Kathy Ann Seago                                 | AJ | Keith C. Smith, et ux          |
| P      | Roger D. Wade                                   | AK | Keith C. Smith, et ux          |
| Q      | E. Lorna Howard Testamentary Trust              | AL | Mount Aris Cemetery            |
|        |   | AM | Triple Haught Trust            |
| R      | Alf Smith Cemetery                              | AN | Ronald L. Hoover, et ux        |
|        |   | AO | WVDNR                          |

| ID | TM/Par  | Owner                                  | DB/PG     | Acres  |
|----|---------|--|-----------|--------|
| 1  | 15-33   | Roger D. Blizzard & Ruth E. Spencer    | 340/170   | 102.62 |
| 2  | 15-30   | Thomas C. & Jeudeann L. Grinage        | 458/73    | 124.08 |
| 3  | 15-34   | Michael & Bente H. Biddle              | 294/537   | 82.34  |
| 4  | 15-34.1 | Randy & Pamela L. Lancaster            | 370/776   | 11.42  |
| 5  | 21-6    | Carl E. & Elsie M. Taylor              | 391/181   | 63.50  |
| 6  | 21-7    | Gary O. & Anita K. Bennett             | 332 / 605 | 1.75   |
| 7  | 21-14   | Carl E. & Elsie M. Taylor              | 391/181   | 67.91  |
| 8  | 21-16   | Stephanie & Joseph W. Havranek         | 254/153   | 4.50   |
| 9  | 21-17   | Stephanie & Joseph W. Havranek         | 254/153   | 10.38  |
| 10 | 21-18   | Ridgetop Capital II, LP                | 385/781   | 83.68  |
| 11 | 21-15   | Stephanie & Joseph W. Havranek         | 254/153   | 45.48  |
| 12 | 21-52   | Jennifer L. & Kenneth Mason            | 345/743   | 81.0   |
| 13 | 21-53   | Haessly Land & Timber, LLC             | 337/101A  | 89.88  |
| 14 | 27-10   | Kathy Ann Seago, et al                 | WB 41/119 | 31.18  |
| 15 | 21-55   | Ronald & Janet Thompson                | 400/552   | 12.50  |
| 16 | 21-54   | Sybill Gorby                           | WB 34/343 | 70.00  |
| 17 | 22-42   | Sharon Christenson, et al              | 635/420   | 144.26 |
| 18 | 21-57   | ALF Smith Cemetery                     | 107/393   | 3.00   |
| 19 | 21-56   | Roger D. Wade                          | 485/486   | 26.68  |
| 20 | 21-60   | Danny & Terri Botkins                  | 342/556   | 0.86   |
| 21 | 21-61   | Danny & Terri Botkins                  | 342/556   | 1.51   |
| 22 | 21-59   | Travis O. Baker                        | 617/620   | 3.72   |
| 23 | 21-62   | Lewis Timmons Estate                   | 332/1     | 1.8    |
| 24 | 28-1    | Lois J. Estep & Edward E. Estep        | 359/613   | 1.11   |
| 25 | 27-12   | Joan Estep & Edward H. Estep           | 556/513   | 0.47   |
| 26 | 27-13   | Joan Estep & Edward H. Estep           | 556/513   | 2.40   |
| 27 | 21-56.1 | Nancy Wade                             | 336/127   | 4.48   |
| 28 | 27-11   | Kathy Ann Seago, et al                 | WB 41/119 | 35.08  |
| 29 | 28-2    | Mary Ladene Lemasters                  | 299/548   | 2.37   |
| 30 | 27-14   | James & Naomi Baker                    | 644/632   | 1.50   |
| 31 | 28-3    | Lloyd C. & Kathen G. Seckman           | 184/296   | 2.88   |
| 32 | 28-13   | David E. Bowyer                        | 481/234   | 3.97   |
| 33 | 27-15   | John Helt                              | 448/274   | 0.49   |
| 34 | 27-16   | David Newbrough Revocable Family Trust | 369/370   | 0.94   |
| 35 | 28-4.6  | Brian M. Glover                        | 397/415   | 0.83   |
| 36 | 28-14   | Robert & Sandra Dotson                 | 213/445   | 0.87   |
| 37 | 27-17   | David & Diana Weekley                  | 575/9     | 1.94   |
| 38 | 28-10   | Carol Knapp Rev. Trust                 | 435/461   | 9.20   |
| 39 | 28-17   | Kathy Ann Seago, et al                 | WB 41/119 | 12.11  |
| 40 | 28-16.1 | Brian Weigle                           | 353/776   | 2.36   |
| 41 | 28-16   | Kathy Ann Seago, et al                 | WB 41/119 | 4.54   |
| 42 | 28-15.1 | Keith & Phyllis Smith                  | 350/565   | 2.40   |
| 43 | 27-19   | Lynda Spellman, et al                  | 119/512   | 86.00  |
| 44 | 28-15   | Troy & Kelly Smith                     | 337/393   | 6.60   |
| 45 | 28-25   | Ripley Alma Methodist Church           | 199/1     | 0.86   |
| 46 | 28-24   | Mt. Aris Union Church & Cemetery       | 246/47    | 0.97   |
| 47 | 27-20   | Kenneth & Jennifer Mason               | 332/960   | 269.00 |
| 48 | 28-29   | Keith C. Smith                         | WB 35/228 | 116.72 |
| 49 | 28-27   | Kenneth & Jennifer Mason               | 353/389   | 72.00  |
| 50 | 4-5     | Roger & Sandy Weese                    | 312/203   | 182.74 |
| 51 | 28-28   | Ronald & Linda Hoover                  | 184/383   | 136.22 |
| 52 | 2-1     | Lary & Betty Fletcher                  | 312/200   | 120.00 |
| 53 | 27-16.1 | John Helt                              | 448/274   | 0.15   |



Detail 1

FILE NO: 97-54-E-19  
 DRAWING NO: Wade 1H As-Drilled  
 SCALE: 1" = 2000'  
 MINIMUM DEGREE OF ACCURACY:  
 Submeter  
 PROVEN SOURCE OF ELEVATION:  
 WVDOT, Harrisville, WV



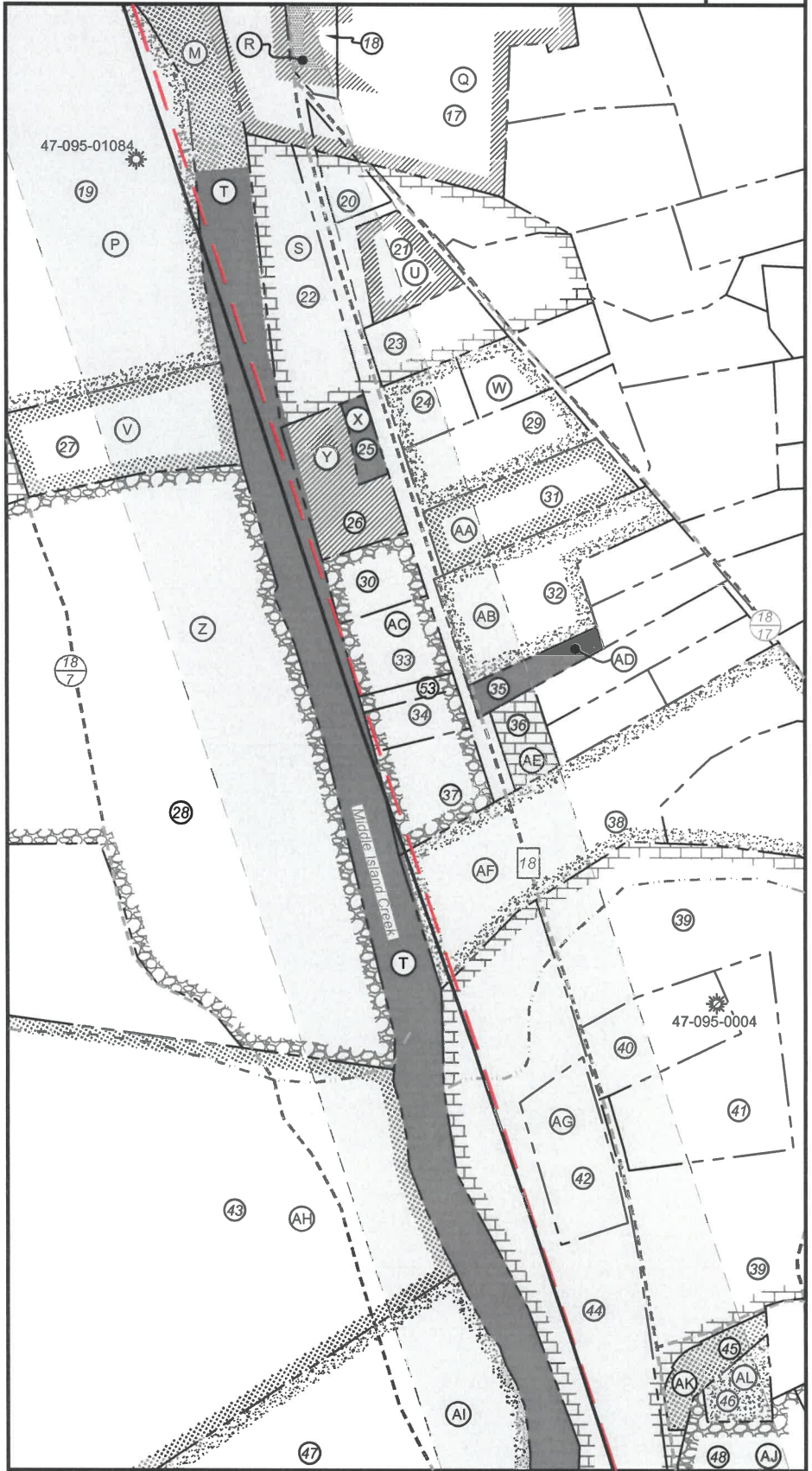
DATE: March 7 20 22  
 OPERATOR'S WELL NO. Wade 1H  
 API WELL NO  
 47 - 095 - 02729  
 STATE COUNTY PERMIT

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

LOCATION: ELEVATION: As-Built 1,004' WATERSHED: Outlet Middle Island Creek QUADRANGLE: Shirley  
 DISTRICT: Ellsworth COUNTY: Tyler  
 SURFACE OWNER: Roger D. Blizzard & Ruth E. Spencer ACREAGE: 102.62  
 ROYALTY OWNER: Heritage Resources - Marcellus Minerals, LLC; B. Fred Hill Jr.; Keith C. & Phyllis J. Smith; LEASE NO: ACREAGE: 28.009; 168.175; 24;

PROPOSED WORK:  DRILL  CONVERT  DRILL DEEPER  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  
 PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) As-Drilled  
 PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 6,611' TVD 23,414' MD

WELL OPERATOR: Antero Resources Corporation DESIGNATED AGENT: Dianna Stamper - CT Corporation System  
 ADDRESS: 1615 Wynkoop Street ADDRESS: 5400 D Big Tyler Road  
 Denver, CO 80202 Charleston, WV 25313



FILE NO: 97-54-E-19  
DRAWING NO: Wade 1H As-Drilled  
SCALE: 1" = 2000'  
MINIMUM DEGREE OF ACCURACY:  
Submeter  
PROVEN SOURCE OF ELEVATION:  
WVDOT, Harrisville, WV



DATE: March 7 20 22  
OPERATOR'S WELL NO. Wade 1H  
API WELL NO  
47 - 095 - 02729  
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: As-Built 1,004' WATERSHED: Outlet Middle Island Creek QUADRANGLE: Shirley 13.8488; 136.22; 102.62;  
DISTRICT: Ellsworth COUNTY: Tyler 119.578; 93.757; 63.5; 67.90625;  
SURFACE OWNER: Roger D. Blizzard & Ruth E. Spencer ATX Mineral Holdings, LLC; Clifford and Virginia Perkins Irrevocable Trust; Haessly Land & Timber LLC; Ronald E. Thompson, et ux; Brian M. Weigle; Tripple Haught Trust; WVDNR (3); Ronald L. Hoover, et ux; Kenneth R. & Jennifer L. Mason; Bradley J. Carpenter; Roger D. Wade; AMP Fund II, LP; Carl E. Taylor, et ux; Charles T. White Jr.; The Swan Living Trust; Elmer Earl Bowser, Jr. 15.11; 48.475; 81; 70; 7.94; 12.5; 75.25; 26.684;  
ROYALTY OWNER: Heritage Resources - Marcellus Minerals, LLC; B. Fred Hill Jr.; Keith C. & Phyllis J. Smith; LEASE NO: ACREAGE: 102.62 19.46; 6.905; 17.401; 28.009; 168.175; 24;

PROPOSED WORK:  DRILL  CONVERT  DRILL DEEPER  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  
 PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) As-Drilled 6,611' TVD  
 PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 23,414' MD

WELL OPERATOR: Antero Resources Corporation DESIGNATED AGENT: Dianna Stamper - CT Corporation System  
ADDRESS: 1615 Wynkoop Street ADDRESS: 5400 D Big Tyler Road  
Denver, CO 80202 Charleston, WV 25313