

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

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Environmental Protection

API 47-017-06972 County Doddridge District Southwest  
Quad Oxford 7.5' Pad Name Locke Pad Field/Pool Name -----  
Farm name Antero Resources Corporation Well Number Osborne 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 4336559m Easting 514439m  
Landing Point of Curve Northing 4336580.50m Easting 513961.25m  
Bottom Hole Northing 4340174m Easting 512474m

Elevation (ft) 1100.5' 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 12/13/2023 Date drilling commenced 12/22/2024 Date drilling ceased 2/9/2025  
Date completion activities began 3/30/2025 Date completion activities ceased 5/8/2025  
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 775', 781' Open mine(s) (Y/N) depths No  
Salt water depth(s) ft 1733', 1750' Void(s) encountered (Y/N) depths No  
Coal depth(s) ft N/A Cavern(s) encountered (Y/N) depths No  
Is coal being mined in area (Y/N) No

Reviewed by:

APPROVED

JK  
01/23/2026  
8-20-25

API 47-017 - 06972 Farm name Antero Resources Corporation Well number Osborne Unit 1H

| CASING STRINGS            | Hole Size     | Casing Size | Depth  | New or Used | Grade wt/ft  | Basket Depth(s) | Did cement circulate (Y/N)<br>* Provide details below* |
|---------------------------|---------------|-------------|--------|-------------|--------------|-----------------|--------------------------------------------------------|
| Conductor                 | 28"           | 20"         | 125.5' | New         | 91.59#, J-55 | N/A             | Y                                                      |
| Surface                   | 17-1/2"       | 13-3/8"     | 461'   | New         | 54.5#, J-55  | N/A             | Y                                                      |
| Coal                      |               |             |        |             |              |                 |                                                        |
| Intermediate 1            | 12-1/4"       | 9-5/8"      | 2949'  | New         | 34.89#, J-55 | N/A             | Y                                                      |
| Intermediate 2            |               |             |        |             |              |                 |                                                        |
| Intermediate 3            |               |             |        |             |              |                 |                                                        |
| Production                | 8-3/4"/8-1/2" | 5-1/2"      | 20084' | New         | 23#, P-110   | N/A             | Y                                                      |
| Tubing                    |               | 2-3/8"      | 6766'  |             | 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              | 386 sx          | 15.6                    | 1.18                         | 455                       | 0'                             | 8 Hrs.    |
| Surface        | Class A              | 439 sx          | 15.6                    | 1.19                         | 522                       | 0'                             | 8 Hrs.    |
| Coal           |                      |                 |                         |                              |                           |                                |           |
| Intermediate 1 | Class H              | 996 sx          | 15.6                    | 1.18                         | 1175                      | 0'                             | 8 Hrs.    |
| Intermediate 2 |                      |                 |                         |                              |                           |                                |           |
| Intermediate 3 |                      |                 |                         |                              |                           |                                |           |
| Production     | Class H              | 3425 sx (Tail)  | 12.5 (Lead), 15.2(Tail) | 1.26 (Tail)                  | 4316                      | -500' into Intermediate Casing | 8 Hrs.    |
| Tubing         |                      |                 |                         |                              |                           |                                |           |

Drillers TD (ft) 20084' MD, 6616' TVD (BHL), 6616' (Deepest Point Drilled) Loggers TD (ft) 20084' MD  
Deepest formation penetrated Marcellus Plug back to (ft) N/A  
Plug back procedure N/A

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Kick off depth (ft) 5966'

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 47-017 - 06972 Farm name Antero Resources Corporation Well number Osborne Unit 1H

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

**\*PLEASE SEE ATTACHED EXHIBIT 1**

[illegible]

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**\*PLEASE SEE ATTACHED EXHIBIT 2**

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| <u>PRODUCING FORMATION(S)</u> | <u>DEPTHS</u>          |                       |
|-------------------------------|------------------------|-----------------------|
|                               | <u>6472' (TOP)</u> TVD | <u>7012' (TOP)</u> MD |
| Marcellus                     |                        |                       |
|                               |                        |                       |
|                               |                        |                       |
|                               |                        |                       |
|                               |                        |                       |

|                  |  |         |  |                                   |                                   |                                               |          |             |  |                 |                                          |                                    |  |                                             |  |                                |  |     |  |
|------------------|--|---------|--|-----------------------------------|-----------------------------------|-----------------------------------------------|----------|-------------|--|-----------------|------------------------------------------|------------------------------------|--|---------------------------------------------|--|--------------------------------|--|-----|--|
| GAS TEST         |  |         |  | <input type="checkbox"/> Build up | <input type="checkbox"/> Drawdown | <input checked="" type="checkbox"/> Open Flow | OIL TEST |             |  |                 | <input checked="" type="checkbox"/> Flow | <input type="checkbox"/> Pump      |  |                                             |  |                                |  |     |  |
| SHUT-IN PRESSURE |  | Surface |  | 1737                              |                                   | psi                                           |          | Bottom Hole |  | ---             |                                          | psi                                |  | DURATION OF TEST                            |  | ---                            |  | hrs |  |
| OPEN FLOW        |  | Gas     |  | Oil                               |                                   | NGL                                           |          | Water       |  | GAS MEASURED BY |                                          | <input type="checkbox"/> Estimated |  | <input checked="" type="checkbox"/> Orifice |  | <input type="checkbox"/> Pilot |  |     |  |
|                  |  | 12277   |  | mcfpd                             |                                   | 193                                           |          | bpd         |  | ---             |                                          | bpd                                |  | 1256                                        |  | bpd                            |  |     |  |

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**\*PLEASE SEE ATTACHED EXHIBIT 3**

|  |  |  |  |  |  |
|--|--|--|--|--|--|
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|                     |                              |      |            |       |              |
|---------------------|------------------------------|------|------------|-------|--------------|
| 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   | Dowell Schlumberger          |      |            |       |              |
| Address             | 600 Industrial Drive         | City | Beckley    | State | WV Zip 25801 |
| Stimulating Company | NexTier Completion Solutions |      |            |       |              |
| Address             | 1650 Hackers Creek Rd        | City | Jane Lew   | State | WV Zip 26378 |

Completed by Carly Wren Telephone 303-357-7373  
Signature  Title Permitting Agent Date 7/31/2025

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

01/23/2026

8-20-25

API 47-017-06972, Farm Name Antero Resources Corporation Well Number Osborne Unit 1H

Exhibit 1

| Stage No. | Perforation Date | Perforated from MD ft. | Perforated to MD ft. | Number of Perforations | Formations |
|-----------|------------------|------------------------|----------------------|------------------------|------------|
| 1         | 3/30/2025        | 20030.00               | 20015.10             | 60                     | Marcellus  |
| 2         | 3/30/2025        | 19976.69               | 19812.64             | 60                     | Marcellus  |
| 3         | 3/31/2025        | 19777.43               | 19613.38             | 60                     | Marcellus  |
| 4         | 3/31/2025        | 19578.17               | 19414.12             | 60                     | Marcellus  |
| 5         | 3/31/2025        | 19378.91               | 19214.86             | 60                     | Marcellus  |
| 6         | 4/1/2025         | 19179.65               | 19015.60             | 60                     | Marcellus  |
| 7         | 4/1/2025         | 18980.39               | 18816.34             | 60                     | Marcellus  |
| 8         | 4/1/2025         | 18781.13               | 18617.08             | 60                     | Marcellus  |
| 9         | 4/2/2025         | 18581.87               | 18417.82             | 60                     | Marcellus  |
| 10        | 4/2/2025         | 18382.61               | 18218.56             | 60                     | Marcellus  |
| 11        | 4/2/2025         | 18183.35               | 18019.30             | 60                     | Marcellus  |
| 12        | 4/3/2025         | 17984.09               | 17820.04             | 60                     | Marcellus  |
| 13        | 4/3/2025         | 17784.83               | 17620.78             | 60                     | Marcellus  |
| 14        | 4/3/2025         | 17585.57               | 17421.52             | 60                     | Marcellus  |
| 15        | 4/3/2025         | 17386.31               | 17222.26             | 60                     | Marcellus  |
| 16        | 4/4/2025         | 17187.05               | 17023.00             | 60                     | Marcellus  |
| 17        | 4/4/2025         | 16987.79               | 16823.74             | 60                     | Marcellus  |
| 18        | 4/4/2025         | 16788.53               | 16624.48             | 60                     | Marcellus  |
| 19        | 4/5/2025         | 16589.27               | 16425.22             | 60                     | Marcellus  |
| 20        | 4/5/2025         | 16390.01               | 16225.96             | 60                     | Marcellus  |
| 21        | 4/5/2025         | 16190.75               | 16026.70             | 60                     | Marcellus  |
| 22        | 4/6/2025         | 15991.49               | 15827.44             | 60                     | Marcellus  |
| 23        | 4/6/2025         | 15792.23               | 15628.18             | 60                     | Marcellus  |
| 24        | 4/6/2025         | 15592.97               | 15428.92             | 60                     | Marcellus  |
| 25        | 4/6/2025         | 15393.71               | 15229.66             | 60                     | Marcellus  |
| 26        | 4/7/2025         | 15194.45               | 15030.40             | 60                     | Marcellus  |
| 27        | 4/7/2025         | 14995.19               | 14831.14             | 60                     | Marcellus  |
| 28        | 4/7/2025         | 14795.93               | 14631.88             | 60                     | Marcellus  |
| 29        | 4/7/2025         | 14596.67               | 14432.62             | 60                     | Marcellus  |
| 30        | 4/8/2025         | 14397.41               | 14233.36             | 60                     | Marcellus  |
| 31        | 4/8/2025         | 14198.15               | 14034.10             | 60                     | Marcellus  |
| 32        | 4/8/2025         | 13998.89               | 13834.84             | 60                     | Marcellus  |
| 33        | 4/9/2025         | 13799.63               | 13635.58             | 60                     | Marcellus  |
| 34        | 4/9/2025         | 13600.37               | 13436.32             | 60                     | Marcellus  |
| 35        | 4/9/2025         | 13401.11               | 13237.06             | 60                     | Marcellus  |
| 36        | 4/9/2025         | 13201.85               | 13037.80             | 60                     | Marcellus  |
| 37        | 4/10/2025        | 13002.59               | 12838.54             | 60                     | Marcellus  |
| 38        | 4/10/2025        | 12803.33               | 12639.28             | 60                     | Marcellus  |
| 39        | 4/10/2025        | 12604.07               | 12440.02             | 60                     | Marcellus  |
| 40        | 4/11/2025        | 12404.81               | 12240.76             | 60                     | Marcellus  |
| 41        | 4/11/2025        | 12205.55               | 12041.50             | 60                     | Marcellus  |
| 42        | 4/11/2025        | 12006.29               | 11842.24             | 60                     | Marcellus  |
| 43        | 4/12/2025        | 11807.03               | 11642.98             | 60                     | Marcellus  |
| 44        | 4/12/2025        | 11607.77               | 11443.72             | 60                     | Marcellus  |
| 45        | 4/12/2025        | 11408.51               | 11244.46             | 60                     | Marcellus  |
| 46        | 4/12/2025        | 11209.25               | 11045.20             | 60                     | Marcellus  |
| 47        | 4/13/2025        | 11009.99               | 10845.94             | 60                     | Marcellus  |
| 48        | 4/13/2025        | 10810.73               | 10646.68             | 60                     | Marcellus  |
| 49        | 4/13/2025        | 10611.47               | 10447.42             | 60                     | Marcellus  |
| 50        | 4/14/2025        | 10412.21               | 10248.16             | 60                     | Marcellus  |
| 51        | 4/14/2025        | 10212.95               | 10048.90             | 60                     | Marcellus  |
| 52        | 4/14/2025        | 10013.69               | 9849.64              | 60                     | Marcellus  |
| 53        | 4/15/2025        | 9814.43                | 9650.38              | 60                     | Marcellus  |
| 54        | 4/15/2025        | 9615.17                | 9451.12              | 60                     | Marcellus  |
| 55        | 4/15/2025        | 9415.91                | 9251.86              | 60                     | Marcellus  |
| 56        | 4/16/2025        | 9216.65                | 9052.60              | 60                     | Marcellus  |
| 57        | 4/16/2025        | 9017.39                | 8853.34              | 60                     | Marcellus  |
| 58        | 4/16/2025        | 8818.13                | 8654.08              | 60                     | Marcellus  |
| 59        | 4/16/2025        | 8618.87                | 8454.82              | 60                     | Marcellus  |
| 60        | 4/17/2025        | 8419.61                | 8255.56              | 60                     | Marcellus  |
| 61        | 4/17/2025        | 8220.35                | 8056.30              | 60                     | Marcellus  |
| 62        | 4/17/2025        | 8021.09                | 7857.04              | 60                     | Marcellus  |
| 63        | 4/17/2025        | 7821.83                | 7657.78              | 60                     | Marcellus  |
| 64        | 4/18/2025        | 7622.57                | 7458.52              | 60                     | Marcellus  |
| 65        | 4/18/2025        | 7423.31                | 7259.26              | 60                     | Marcellus  |
| 66        | 4/18/2025        | 7224.05                | 7060.00              | 60                     | Marcellus  |

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API 47-017-06972 Farm Name Antero Resources Corporation Well Number Osborne 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         | 3/30/2025         | 77.5          | 10109                        | 7554                         | 4019       | 108360                   | 3901                   | N/A                               |
| 2         | 3/30/2025         | 92.9          | 10275                        | 5793                         | 4187       | 408020                   | 7013                   | N/A                               |
| 3         | 3/31/2025         | 85.7          | 9538                         | 7881                         | 4206       | 408040                   | 9558                   | N/A                               |
| 4         | 3/31/2025         | 93.4          | 10183                        | 8085                         | 4116       | 401460                   | 6765                   | N/A                               |
| 5         | 3/31/2025         | 91.3          | 9959                         | 7190                         | 3324       | 402780                   | 6709                   | N/A                               |
| 6         | 4/1/2025          | 94.5          | 10332                        | 8304                         | 3708       | 404840                   | 6854                   | N/A                               |
| 7         | 4/1/2025          | 95.7          | 10218                        | 8123                         | 3910       | 401080                   | 6908                   | N/A                               |
| 8         | 4/1/2025          | 94.9          | 10071                        | 7136                         | 3980       | 402800                   | 6949                   | N/A                               |
| 9         | 4/2/2025          | 94.1          | 10203                        | 4273                         | 3804       | 411620                   | 6945                   | N/A                               |
| 10        | 4/2/2025          | 96.5          | 10282                        | 8953                         | 3896       | 401080                   | 6816                   | N/A                               |
| 11        | 4/2/2025          | 97.2          | 10581                        | 7456                         | 4193       | 401460                   | 6936                   | N/A                               |
| 12        | 4/3/2025          | 96.6          | 10189                        | 6404                         | 4291       | 408560                   | 6959                   | N/A                               |
| 13        | 4/3/2025          | 96.5          | 10194                        | 8211                         | 3659       | 407100                   | 6848                   | N/A                               |
| 14        | 4/3/2025          | 96.8          | 9205                         | 7220                         | 3393       | 411600                   | 6720                   | N/A                               |
| 15        | 4/3/2025          | 96.8          | 9925                         | 6567                         | 2591       | 407420                   | 7050                   | N/A                               |
| 16        | 4/4/2025          | 98.1          | 10283                        | 6503                         | 2143       | 408380                   | 6930                   | N/A                               |
| 17        | 4/4/2025          | 95.8          | 10256                        | 8152                         | 3866       | 401280                   | 6736                   | N/A                               |
| 18        | 4/4/2025          | 95.8          | 9508                         | 5973                         | 3461       | 414800                   | 6888                   | N/A                               |
| 19        | 4/5/2025          | 97.1          | 9865                         | 6129                         | 3501       | 403740                   | 6730                   | N/A                               |
| 20        | 4/5/2025          | 96.5          | 9527                         | 6939                         | 2922       | 396960                   | 6687                   | N/A                               |
| 21        | 4/5/2025          | 95.7          | 9885                         | 7201                         | 3527       | 395360                   | 6743                   | N/A                               |
| 22        | 4/6/2025          | 96.3          | 9769                         | 6859                         | 2700       | 398420                   | 6834                   | N/A                               |
| 23        | 4/6/2025          | 96.3          | 9447                         | 6526                         | 3598       | 405660                   | 6849                   | N/A                               |
| 24        | 4/6/2025          | 96.0          | 9267                         | 5972                         | 3320       | 402460                   | 6727                   | N/A                               |
| 25        | 4/6/2025          | 95.9          | 9112                         | 6308                         | 3514       | 412040                   | 6963                   | N/A                               |
| 26        | 4/7/2025          | 97.6          | 9452                         | 6801                         | 3428       | 409280                   | 6936                   | N/A                               |
| 27        | 4/7/2025          | 94.9          | 9304                         | 6102                         | 3516       | 405200                   | 6752                   | N/A                               |
| 28        | 4/7/2025          | 97.6          | 9528                         | 6028                         | 3525       | 402880                   | 6652                   | N/A                               |
| 29        | 4/7/2025          | 95.0          | 9045                         | 6055                         | 3440       | 407320                   | 6763                   | N/A                               |
| 30        | 4/8/2025          | 97.2          | 9265                         | 6525                         | 3514       | 407960                   | 6878                   | N/A                               |
| 31        | 4/8/2025          | 97.2          | 9502                         | 7238                         | 3663       | 408860                   | 6979                   | N/A                               |
| 32        | 4/8/2025          | 96.0          | 9491                         | 6578                         | 3027       | 401860                   | 6707                   | N/A                               |
| 33        | 4/9/2025          | 97.7          | 9496                         | 6412                         | 3416       | 411120                   | 6989                   | N/A                               |
| 34        | 4/9/2025          | 97.7          | 9270                         | 6821                         | 2887       | 408280                   | 6874                   | N/A                               |
| 35        | 4/9/2025          | 96.2          | 9143                         | 6952                         | 3680       | 407080                   | 7065                   | N/A                               |
| 36        | 4/9/2025          | 98.0          | 8851                         | 6903                         | 3566       | 411560                   | 7017                   | N/A                               |
| 37        | 4/10/2025         | 97.7          | 8945                         | 6384                         | 3239       | 404640                   | 7115                   | N/A                               |
| 38        | 4/10/2025         | 96.1          | 9024                         | 7687                         | 3638       | 407120                   | 7109                   | N/A                               |
| 39        | 4/10/2025         | 97.4          | 8857                         | 6791                         | 4008       | 411560                   | 7279                   | N/A                               |
| 40        | 4/11/2025         | 98.4          | 8767                         | 8120                         | 3265       | 404760                   | 6931                   | N/A                               |
| 41        | 4/11/2025         | 93.2          | 9022                         | 8065                         | 3808       | 402740                   | 10202                  | N/A                               |
| 42        | 4/11/2025         | 96.2          | 8543                         | 7311                         | 3324       | 403520                   | 7042                   | N/A                               |
| 43        | 4/12/2025         | 96.2          | 8591                         | 7194                         | 3011       | 409640                   | 7072                   | N/A                               |
| 44        | 4/12/2025         | 96.1          | 8451                         | 6703                         | 2990       | 406240                   | 7004                   | N/A                               |
| 45        | 4/12/2025         | 96.7          | 8518                         | 7223                         | 3388       | 406980                   | 6959                   | N/A                               |
| 46        | 4/12/2025         | 97.8          | 8181                         | 7381                         | 3381       | 416260                   | 6980                   | N/A                               |
| 47        | 4/13/2025         | 96.1          | 7876                         | 5819                         | 3261       | 410340                   | 7010                   | N/A                               |
| 48        | 4/13/2025         | 96.5          | 8050                         | 6704                         | 3059       | 410920                   | 7032                   | N/A                               |
| 49        | 4/13/2025         | 96.3          | 8215                         | 7625                         | 3179       | 410860                   | 6918                   | N/A                               |
| 50        | 4/14/2025         | 84.2          | 8901                         | 7410                         | 3740       | 407760                   | 7847                   | N/A                               |
| 51        | 4/14/2025         | 96.6          | 8149                         | 6332                         | 3406       | 389400                   | 6769                   | N/A                               |
| 52        | 4/14/2025         | 98.5          | 8040                         | 6596                         | 3723       | 409300                   | 7125                   | N/A                               |
| 53        | 4/15/2025         | 99.0          | 8038                         | 7311                         | 2740       | 417420                   | 7035                   | N/A                               |
| 54        | 4/15/2025         | 94.9          | 7803                         | 6015                         | 3276       | 405640                   | 6838                   | N/A                               |
| 55        | 4/15/2025         | 97.5          | 7843                         | 6014                         | 3539       | 405520                   | 6830                   | N/A                               |
| 56        | 4/16/2025         | 99.9          | 8023                         | 7337                         | 3269       | 406800                   | 6704                   | N/A                               |
| 57        | 4/16/2025         | 98.2          | 7822                         | 6055                         | 3412       | 405860                   | 6734                   | N/A                               |
| 58        | 4/16/2025         | 95.9          | 7636                         | 5960                         | 2982       | 411580                   | 6798                   | N/A                               |
| 59        | 4/16/2025         | 97.8          | 7373                         | 6068                         | 3315       | 408620                   | 6829                   | N/A                               |
| 60        | 4/17/2025         | 98.1          | 7722                         | 6823                         | 3239       | 399800                   | 6609                   | N/A                               |
| 61        | 4/17/2025         | 95.6          | 7515                         | 6441                         | 3231       | 403120                   | 6811                   | N/A                               |
| 62        | 4/17/2025         | 93.3          | 7247                         | 6496                         | 3270       | 407240                   | 6678                   | N/A                               |
| 63        | 4/17/2025         | 97.3          | 7306                         | 6474                         | 3372       | 415800                   | 6817                   | N/A                               |
| 64        | 4/18/2025         | 98.4          | 7014                         | 6339                         | 3723       | 415920                   | 6751                   | N/A                               |
| 65        | 4/18/2025         | 98.0          | 6697                         | 4364                         | 4049       | 413520                   | 6682                   | N/A                               |
| 66        | 4/18/2025         | 97.7          | 7409                         | 6814                         | 2889       | 410800                   | 6691                   | N/A                               |
|           | AVERAGE           | 96            | 8,971                        | 6,818                        | 3,458      | 26,546,500               | 457,831                | TOTAL                             |

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**EXHIBIT 3**

| <b>LITHOLOGY/ FORMATION</b>    | <b>TOP DEPTH (TVD)</b> | <b>BOTTOM DEPTH (TVD)</b> | <b>TOP DEPTH (MD)</b> | <b>BOTTOM DEPTH (MD)</b> |
|--------------------------------|------------------------|---------------------------|-----------------------|--------------------------|
|                                | <b>From Surface</b>    | <b>From Surface</b>       | <b>From Surface</b>   | <b>From Surface</b>      |
| Silty Sandstone                | 424                    | 574                       | 424                   | 574                      |
| Sandstone, rr Siltstone        | 574                    | 724                       | 574                   | 724                      |
| Silty Sandstone                | 724                    | 1,024                     | 724                   | 1,024                    |
| Sandstone, Siltstone           | 774                    | 1,374                     | 774                   | 1,374                    |
| Silty Sandstone                | 1,024                  | 1,374                     | 1,024                 | 1,374                    |
| Silty Sandstone                | 1,374                  | 1,474                     | 1,374                 | 1,474                    |
| Sandstone, Occ Siltstone       | 1,474                  | 1,724                     | 1,474                 | 1,724                    |
| Sandstone, Siltstone           | 1,724                  | 1,774                     | 1,724                 | 1,774                    |
| Siltstone, Sandstone           | 1,774                  | 1,874                     | 1,774                 | 1,874                    |
| Sandy Siltstone, Occ Limestone | 1,874                  | 1,839                     | 1,874                 | 1,842                    |
| Big Lime                       | 1,865                  | 2,603                     | 1,842                 | 2,606                    |
| Fifty Foot Sandstone           | 2,603                  | 2,767                     | 2,580                 | 2,770                    |
| Gordon                         | 2,767                  | 2,890                     | 2,744                 | 2,893                    |
| Fifth Sandstone                | 2,890                  | 2,987                     | 2,867                 | 2,990                    |
| Bayard                         | 2,987                  | 3,754                     | 2,964                 | 3,771                    |
| Speechley                      | 3,754                  | 3,935                     | 3,745                 | 3,961                    |
| Balltown                       | 3,935                  | 4,428                     | 3,935                 | 4,503                    |
| Bradford                       | 4,428                  | 4,825                     | 4,477                 | 4,947                    |
| Benson                         | 4,825                  | 5,072                     | 4,921                 | 5,225                    |
| Alexander                      | 5,072                  | 6,310                     | 5,199                 | 6,635                    |
| Sycamore                       | 6,100                  | 6,284                     | 6,373                 | 6,609                    |
| Middlesex                      | 6,284                  | 6,398                     | 6,609                 | 6,802                    |
| Burkett                        | 6,398                  | 6,445                     | 6,802                 | 6,917                    |
| Tully                          | 6,445                  | 6,472                     | 6,917                 | 7,012                    |
| Marcellus                      | 6,472                  | NA                        | 7,012                 | 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.

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## Hydraulic Fracturing Fluid Product Component Information Disclosure

|                                 |                              |
|---------------------------------|------------------------------|
| Job Start Date:                 | 03/30/2025                   |
| Job End Date:                   | 04/18/2025                   |
| State:                          | West Virginia                |
| County:                         | Doddridge                    |
| API Number:                     | 47-017-06972-00-00           |
| Operator Name:                  | Antero Resources Corporation |
| Well Name and Number:           | Osborne unit 1H              |
| Latitude:                       | 39.178144                    |
| Longitude:                      | -80.832832                   |
| Datum:                          | NAD83                        |
| Federal Well:                   | NO                           |
| Indian Well:                    | NO                           |
| True Vertical Depth:            | 7042                         |
| Total Base Water Volume (gal)*: | 20013336                     |
| Total Base Non Water Volume:    | 0                            |



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

## Hydraulic Fracturing Fluid Composition:

| Trade Name         | Supplier                      | Purpose                  | Ingredients | Chemical Abstract Service Number (CAS #) | Maximum Ingredient Concentration in Additive (% by mass)** | Maximum Ingredient Concentration in HF Fluid (% by mass)** | Comments |
|--------------------|-------------------------------|--------------------------|-------------|------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|----------|
| 100 mesh sand      | NexTier Completions Solutions | Propping Agent           |             |                                          |                                                            |                                                            |          |
| 15% HCl            | Tarquin                       | Acid                     |             |                                          |                                                            |                                                            |          |
| CIA-12             | NexTier Completions Solutions | Acid corrosion inhibitor |             |                                          |                                                            |                                                            |          |
| Fincide GQ 12A     | NexTier Completions Solutions | Biocide                  |             |                                          |                                                            |                                                            |          |
| NGA-14             | NexTier Completions Solutions | Gelling Agent            |             |                                          |                                                            |                                                            |          |
| Other Chemical(s)  | Listed Above                  | See Trade Name(s)        |             |                                          |                                                            |                                                            |          |
| SlickStim 100CE-8  | NexTier Completions Solutions | Friction Reducer         |             |                                          |                                                            |                                                            |          |
| SlickStim 150CE-15 | NexTier Completions           | Friction Reducer         |             |                                          |                                                            |                                                            |          |

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|                                                                         |                                     |                  |                                                                |             |           |          |  |
|-------------------------------------------------------------------------|-------------------------------------|------------------|----------------------------------------------------------------|-------------|-----------|----------|--|
|                                                                         | Solutions                           |                  |                                                                |             |           |          |  |
| StimBreak<br>Encap APB<br>LT                                            | NexTier<br>Completions<br>Solutions | Breaker          |                                                                |             |           |          |  |
| Water                                                                   | Operator                            | Carrier<br>Fluid |                                                                |             |           |          |  |
| Items above are Trade Names. Items below are the individual ingredients |                                     |                  |                                                                |             |           |          |  |
|                                                                         |                                     |                  | Water                                                          | 7732-18-5   | 100.00000 | 85.91337 |  |
|                                                                         |                                     |                  | Crystalline Silica                                             | 14808-60-7  | 99.90000  | 13.69001 |  |
|                                                                         |                                     |                  | Water                                                          | 7732-18-5   | 85.00000  | 0.27578  |  |
|                                                                         |                                     |                  | Hydrochloric Acid                                              | 7647-01-0   | 15.00000  | 0.04867  |  |
|                                                                         |                                     |                  | Aluminum Oxide                                                 | 1344-28-1   | 0.10000   | 0.01370  |  |
|                                                                         |                                     |                  | Distillates (petroleum),<br>hydrotreated light                 | 64742-47-8  | 30.00000  | 0.00776  |  |
|                                                                         |                                     |                  | Copolymer of 2-<br>propenamide                                 | Proprietary | 30.00000  | 0.00776  |  |
|                                                                         |                                     |                  | Distillates (petroleum),<br>hydrotreated light                 | 64742-47-8  | 30.00000  | 0.00627  |  |
|                                                                         |                                     |                  | Chemplex-Polymer-00019                                         | Proprietary | 20.00000  | 0.00418  |  |
|                                                                         |                                     |                  | Glutaraldehyde                                                 | 111-30-8    | 30.00000  | 0.00282  |  |
|                                                                         |                                     |                  | ammonium chloride                                              | 12125-02-9  | 5.00000   | 0.00129  |  |
|                                                                         |                                     |                  | ammonium chloride                                              | 12125-02-9  | 5.00000   | 0.00105  |  |
|                                                                         |                                     |                  | alcohols, C12-16,<br>ethoxylated                               | 68551-12-2  | 5.00000   | 0.00105  |  |
|                                                                         |                                     |                  | oleic acid diethanolamide                                      | 93-83-4     | 5.00000   | 0.00105  |  |
|                                                                         |                                     |                  | Distillates (Petroleum),<br>Hydrotreated Light                 | 64742-47-8  | 50.00000  | 0.00086  |  |
|                                                                         |                                     |                  | Surfactant                                                     | Proprietary | 3.00000   | 0.00078  |  |
|                                                                         |                                     |                  | Alkyl (C12-16)<br>dimethylbenzylammonium<br>chloride           | 68424-85-1  | 5.00000   | 0.00047  |  |
|                                                                         |                                     |                  | 1-Decanaminium, N-decyl-<br>N,N-dimethyl-,chloride             | 7173-51-5   | 5.00000   | 0.00047  |  |
|                                                                         |                                     |                  | Ammonium Persulfate                                            | 7727-54-0   | 90.00000  | 0.00024  |  |
|                                                                         |                                     |                  | Ethylene glycol                                                | 107-21-1    | 45.00000  | 0.00014  |  |
|                                                                         |                                     |                  | Glycol Ether EB                                                | 111-76-2    | 45.00000  | 0.00014  |  |
|                                                                         |                                     |                  | Bentonite                                                      | 1302-78-9   | 5.00000   | 0.00009  |  |
|                                                                         |                                     |                  | Alkoxylated Isodecyl<br>Alcohol                                | 154518-36-2 | 5.00000   | 0.00009  |  |
|                                                                         |                                     |                  | N,N-Dimethylformamide                                          | 68-12-2     | 20.00000  | 0.00006  |  |
|                                                                         |                                     |                  | Tar bases,quinoline<br>derivs.,benzyl chloride-<br>quaternized | 72480-70-7  | 20.00000  | 0.00006  |  |

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|  |  |  |                         |             |          |         |  |
|--|--|--|-------------------------|-------------|----------|---------|--|
|  |  |  | Water                   | 7732-18-5   | 15.00000 | 0.00005 |  |
|  |  |  | Cinnamaldehyde          | 104-55-2    | 10.00000 | 0.00003 |  |
|  |  |  | Nonylphenol ethoxylated | 127087-87-0 | 10.00000 | 0.00003 |  |
|  |  |  | Alcohols, C6-12         | 68603-15-6  | 10.00000 | 0.00003 |  |

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

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

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

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

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## Gamma Ray Calibration Report

Serial Number: FW1211-86  
 Tool Model: Probe  
 Performed: Mon Feb 3 12:18:32 2014  
 Calibrator Value: 1.0 GAPI  
 Background Reading: 0.0 cps  
 Calibrator Reading: 1.0 cps  
 Sensitivity: 0.8000 GAPI/cps

## Segmented Cement Bond Log Calibration Report

Serial Number: FW1312-32  
 Tool Model: Probe275T  
 Calibration Casing Diameter: 5.500 in  
 Calibration Depth: 760.058 ft

Master Calibration, performed Tue Mar 11 17:28:12 2025:

|     | Raw (v) |       | Calibrated (mv) |         | Results |        |
|-----|---------|-------|-----------------|---------|---------|--------|
|     | Zero    | Cal   | Zero            | Cal     | Gain    | Offset |
| 3'  | 0.015   | 0.939 | 3.400           | 71.921  | 74.132  | 2.293  |
| CAL | 0.002   | 0.283 |                 |         |         |        |
| 5'  | 0.008   | 0.691 | 3.400           | 71.921  | 100.331 | 2.559  |
| SUM |         |       |                 |         |         |        |
| S1  | 0.023   | 1.009 | 0.000           | 100.000 | 101.381 | -2.320 |
| S2  | 0.011   | 0.946 | 0.000           | 100.000 | 107.009 | -1.203 |
| S3  | 0.004   | 0.956 | 0.000           | 100.000 | 105.061 | -0.432 |
| S4  | 0.004   | 0.966 | 0.000           | 100.000 | 103.954 | -0.447 |
| S5  | 0.006   | 0.904 | 0.000           | 100.000 | 111.365 | -0.682 |
| S6  | 0.006   | 0.884 | 0.000           | 100.000 | 114.004 | -0.732 |
| S7  | 0.009   | 0.860 | 0.000           | 100.000 | 117.424 | -1.036 |
| S8  | 0.008   | 0.958 | 0.000           | 100.000 | 105.182 | -0.800 |

Internal Reference Calibration, performed (Not Performed):

|     | Raw (v) |       | Calibrated (v) |       | Results |        |
|-----|---------|-------|----------------|-------|---------|--------|
|     | Zero    | Cal   | Zero           | Cal   | Gain    | Offset |
| CAL | 0.000   | 0.000 | 0.002          | 0.283 | 1.000   | 0.000  |

Air Zero Calibration, performed Tue Mar 11 17:06:05 2025:

|     | Raw (v) |  | Calibrated (v) |  | Results |        |
|-----|---------|--|----------------|--|---------|--------|
|     | Zero    |  | Zero           |  | Gain    | Offset |
| 3'  | 0.000   |  | 0.000          |  |         | 0.000  |
| 5'  | 0.000   |  | 0.000          |  |         | 0.000  |
| SUM |         |  |                |  |         |        |
| S1  | 0.000   |  | 0.000          |  |         | 0.000  |
| S2  | 0.000   |  | 0.000          |  |         | 0.000  |
| S3  | 0.000   |  | 0.000          |  |         | 0.000  |
| S4  | 0.000   |  | 0.000          |  |         | 0.000  |
| S5  | 0.000   |  | 0.000          |  |         | 0.000  |
| S6  | 0.000   |  | 0.000          |  |         | 0.000  |
| S7  | 0.000   |  | 0.000          |  |         | 0.000  |
| S8  | 0.000   |  | 0.000          |  |         | 0.000  |



Company ANTERO RESOURCES  
 Well OSBORNE 1H  
 Field WHITE OAK  
 County DODDRIDGE  
 State WV

01/23/2026



LONGITUDE 80°47'30"



As-Drilled

LATITUDE 39°12'30"

11,718'

LATITUDE 39°15'00"

6,334' TO BOTTOM HOLE

Antero Resources Corporation  
Well No. Osborne #1H

AS DRILLED DATA:  
WELL 1H TOP HOLE INFORMATION:  
N: 249,766ft E: 1,622,19ft  
LAT: 39°10'41.00" LON: 80°49'58.80"  
BOTTOM HOLE INFORMATION:  
N: 261,738ft E: 1,615,867ft  
LAT: 39°12'38.41" LON: 80°51'20.47"  
WEST VIRGINIA COORDINATE  
SYSTEM OF 1927 NORTH ZONE.  
ZONE WAS DERIVED FROM  
MEASUREMENTS TAKEN WITH  
TRIMBLE GEOXT SUBMETER  
MAPPING GRADE GPS UNIT.  
PLAT ORIENTATION, CORNER,  
AND WELL REFERENCE TIE LINES  
ARE BASED ON GRID NORTH.

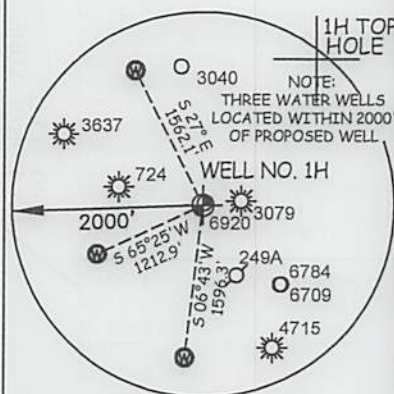
(NAD) 83 (UTM) ZONE 17 COORDS:  
WELL 1H TOP HOLE INFORMATION:  
N: 4,336,559m E: 514,439m  
BOTTOM HOLE INFORMATION:  
N: 4,340,174m E: 512,474m

(NAD) 27 (UTM) ZONE 17 COORDS:  
WELL 1H TOP HOLE INFORMATION:  
N: 14,226,812ft E: 1,687,742ft  
POINT OF ENTRY INFORMATION:  
N: 14,226,650ft E: 1,686,331ft  
BOTTOM HOLE INFORMATION:  
N: 14,238,674ft E: 1,681,294ft

SOUTHWEST DIST. DODDRIDGE CO.  
1-1 JEFFREY POLAN  
4-2 CEVASCO FAMILY TRUST  
4-4 JUANITA LEGGETT  
4-5 T.L. MORRIS  
4-18 JAMES WEBB  
4-19.5 DANA HURST  
4-19.6 THERON SWICK  
4-19.7 JAMES WEBB  
4-19.8 JAMES WEBB  
4-19.9 JAMES WEBB  
4-21 ANTHONY AYERS  
4-24 T.L. MORRIS  
4-26 ANTHONY AYERS  
4-27 ANTHONY AYERS  
4-28 STEVEN SMITH  
4-28.1 STANLEY WEBB  
4-28.2 DEPT. OF HIGHWAYS  
4-28.3 CHRIS FARLEY  
4-30 RICHARD PARSONS  
4-31 VICKI MOORE  
4-32 JOHN HEWINS  
4-32.1 NICOLAS WEBB  
4-33 TINA OSBORNE  
8-01 RICHARD BROWN  
8-03 RANDALL RUSSELL  
8-04 JOHN GRAY HRS.  
8-05 LARRY GANDER  
9-1.1 TINA OSBORNE  
9-2.1 BRIAN PRIM  
9-3.2 JUANITA LEGGETT  
9-07 BRIAN PRIM  
9-08 ROBERT LEE BROWNFIELD JR.  
9-09 ANTERO RESOURCES CORP.  
9-10 DELBERT OSBORNE  
9-14 KERRY JUNKINS  
9-15 ROBERT LEE BROWNFIELD JR.  
12-01 DAVID BALL JR.  
UNION DIST. RITCHIE CO.  
15-05 LARRY GANDER

|    |                                 |
|----|---------------------------------|
| A  | N.H. LEGGETT ETAL               |
| B  | I.L. MORRIS                     |
| C1 | W.L. STINESPRING ET UX          |
| C2 | W.L. STINESPRING ET UX          |
| D  | SHARON WICK                     |
| E1 | GEORGE J. STANSBERRY ET UX      |
| E2 | GEORGE J. STANSBERRY ET UX      |
| F1 | SARAH D. SCOTT AND ROSCOE SCOTT |
| F2 | SARAH D. SCOTT AND ROSCOE SCOTT |
| F3 | SARAH D. SCOTT AND ROSCOE SCOTT |
| F4 | SARAH D. SCOTT AND ROSCOE SCOTT |
| G1 | LINDA SUE BEACH                 |
| G2 | LINDA SUE BEACH                 |
| H  | M.B. GRAY ETAL                  |
| I  | JOHN M. GRAY AND LUCY GRAY      |
| J  | FLOYD LARRY WHEELER             |
| K1 | MYRTLE R. WILSON ET VIR         |
| K2 | MYRTLE R. WILSON ET VIR         |
| L  | SOPHIA HILEMAN ETAL             |
| M  | STEVEN L. LEGGETT               |
| N  | HAZEL N. WEST ETAL              |
| O1 | E.W. OSBURN ETAL                |
| O2 | E.W. OSBURN ETAL                |
| O3 | E.W. OSBURN ETAL                |
| P  | CHARLES J. DENNISON             |
| Q  | J. S. BRITTON ET UX             |

WV NORTH ZONE  
GRID NORTH

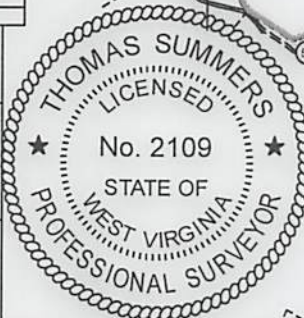


I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT  
TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE  
INFORMATION REQUIRED BY LAW AND THE RULES ISSUED AND  
PERSCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.



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

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



JOB # 23-019WA

DRAWING # OSBORNE1HAD

SCALE 1" = 2000'

MINIMUM DEGREE OF

ACCURACY SUBMETER

PROVEN SOURCE OF ELEV.

SUBMETER MAPPING GRADE GPS

STATE OF WEST VIRGINIA

DEPARTMENT OF ENERGY

DIVISION OF OIL AND GAS

LEGEND

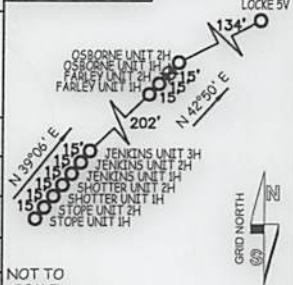
--- Surface Owner Boundary Lines +/-  
--- Interior Surface Tracts +/-  
--- Proposed Well Path  
--- As Drilled Well Path

THOMAS SUMMERS P.S. 2109

DATE 7/23/25

OPERATOR'S WELL# OSBORNE UNIT #1H

PAD LAYOUT



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

WELL TYPE: OIL ☐ GAS ☒ LIQUID INJECTION ☐ WASTE DISPOSAL ☐ 47 - 017 - 06972  
(IF "GAS") PRODUCTION ☒ STORAGE ☐ DEEP ☐ SHALLOW ☒ STATE COUNTY PERMIT  
LOCATION: ELEVATION 1,100.5' - AS BUILT WATERSHED SOUTH FORK HUGHES RIVER  
QUADRANGLE OXFORD 7.5' DISTRICT SOUTHWEST COUNTY DODDRIDGE  
SURFACE OWNER ANTERO RESOURCES CORPORATION ACREAGE 59.74 ACRES +/- 01/23/2026  
OIL & GAS ROYALTY OWNER E. W. OSBORNE ETAL LEASE ACREAGE 180 AC±

PROPOSED WORK: DRILL ☐ CONVERT ☐ DRILL DEEPER ☐ REDRILL ☐ FRACTURE OR STIMULATE  
PLUG OFF OLD FORMATION ☐ PERFORATE NEW FORMATION ☐ OTHER PHYSICAL CHANGE IN WELL ☒  
(SPECIFY) AS DRILLED PLUG & ABANDON CLEAN OUT & REPLUG  
TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,616' TVD 20,084' MD  
WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT CONRAD BASTON  
ADDRESS 1615 WYNKOOP ST. ADDRESS 535 WHITE OAKS BLVD  
FORM WW-6 DENVER, CO 80202 BRIDGEPORT, WV 26330

COUNTY NAME PERMIT