

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

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WV Department of
Environmental Protection

API 47 - 103 - 03675 County Wetzel District Green
Quad Pine Grove 7.5' Pad Name Lincoln Field/Pool Name -----
Farm name Antero Midstream, LLC Well Number Arrow 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 522344.794m Easting 4374412.111m
Landing Point of Curve Northing 522107.97m Easting 4374226.44m
Bottom Hole Northing 522875.559m Easting 4371839.684m

Elevation (ft) 1260' 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 8/29/2024 Date drilling commenced 11/4/2024 Date drilling ceased 1/1/2025
Date completion activities began 1/30/2025 Date completion activities ceased 3/6/2025
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 387' Open mine(s) (Y/N) depths No
Salt water depth(s) ft 2308' Void(s) encountered (Y/N) depths No
Coal depth(s) ft 1003' Cavern(s) encountered (Y/N) depths No
Is coal being mined in area (Y/N) No

APPROVED

Reviewed by:

03/13/2026

SMG
10-9-25

API 47-103 - 03675 Farm name Antero Midstream, LLC Well number Arrow Unit 1H

| CASING STRINGS | Hole Size | Casing Size | Depth | New or Used | Grade wt/ft | Basket Depth(s) | Did cement circulate (Y/ N) * Provide details below* |
|---------------------------|----------------|-------------|--------|-------------|--------------|-----------------|---|
| Conductor | 28" | 20" | 125.5' | New | 91.59#, J-55 | N/A | Y |
| Surface | 17-1/2" | 13-3/8" | 495' | New | 54.5#, J-55 | N/A | Y |
| Coal | | | | | | | |
| Intermediate 1 | 12-3/8" | 9-5/8" | 3591' | New | 34.89#, J-55 | N/A | Y |
| Intermediate 2 | | | | | | | |
| Intermediate 3 | | | | | | | |
| Production | 8-3/4" /8-1/2" | 5-1/2" | 16090' | New | 23#, P-110 | N/A | Y |
| Tubing | | 2-3/8" | 7146' | | 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 ³ /sks) | Volume (ft ³) | Cement Top (MD) | WOC (hrs) |
|----------------|----------------------|-----------------|---------------------------|------------------------------|---------------------------|--------------------------------|-----------|
| Conductor | Class A | 190 sx | 15.6 | 1.18 | 224 | 0' | 8 Hrs. |
| Surface | Class A | 439 sx | 15.6 | 1.19 | 522 | 0' | 8 Hrs. |
| Coal | | | | | | | |
| Intermediate 1 | Class C | 1218 sx | 15.6 | 1.18 | 1437 | 0' | 8 Hrs. |
| Intermediate 2 | | | | | | | |
| Intermediate 3 | | | | | | | |
| Production | Class H | 2395 sx (Tail) | 13.5 (Spacer), 15.2(Tail) | 1.26 (Tail) | 3018 | -500' into Intermediate Casing | 8 Hrs. |
| Tubing | | | | | | | |

Drillers TD (ft) 16,090' MD, 7,107' TVD (BHL), 7,107' TVD (Deepest Point Drilled) Loggers TD (ft) 16,060' MD
 Deepest formation penetrated Marcellus Plug back to (ft) N/A
 Plug back procedure N/A

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Kick off depth (ft) 6,318' WV Department of Environmental Protection

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

03/13/2026

API 47- 103 - 03675 Farm name Antero Midstream, LLC Well number Arrow Unit 1H

| PRODUCING FORMATION(S) | DEPTHS | |
|------------------------|------------------|-----------------|
| Marcellus | 7,035' (TOP) TVD | 7,414' (TOP) MD |
| | | |
| | | |
| | | |

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Please insert additional pages as applicable.

GAS TEST Build up Drawdown Open Flow OIL TEST Flow Pump

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

OPEN FLOW Gas 15279.74 mcfpd Oil 303.56 bpd NGL _____ bpd Water 932.46 bpd
GAS MEASURED BY Estimated Orifice Pilot

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

***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 Slumberger
Address 3600 Briarpark Dr. City Houston State TX Zip 77042

Stimulating Company Halliburton
Address 3000 N Sam Houston Pkwy E. City Houston State TX Zip 77032

Please insert additional pages as applicable.

Completed by Stefan Gaspar Telephone 303-357-6959
Signature  Title Permitting Agent Date 8/13/2025

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

03/13/2026 

EXHIBIT 1

| Stage No. | Perforation Date | Perforated from MD ft. | Perforated to MD ft. | Number of Perforations | Formations |
|-----------|------------------|------------------------|----------------------|------------------------|------------|
| 1 | 1/30/2025 | 16034 | 16019 | 36 | Marcellus |
| 2 | 1/31/2025 | 15980.74419 | 15816.4651 | 36 | Marcellus |
| 3 | 2/1/2025 | 15781.2093 | 15616.9302 | 36 | Marcellus |
| 4 | 2/1/2025 | 15581.67442 | 15417.3953 | 36 | Marcellus |
| 5 | 2/2/2025 | 15382.13953 | 15217.8605 | 36 | Marcellus |
| 6 | 2/2/2025 | 15182.60465 | 15018.3256 | 36 | Marcellus |
| 7 | 2/3/2025 | 14983.06977 | 14818.7907 | 36 | Marcellus |
| 8 | 2/3/2025 | 14783.53488 | 14619.2558 | 36 | Marcellus |
| 9 | 2/4/2025 | 14584 | 14419.7209 | 36 | Marcellus |
| 10 | 2/4/2025 | 14384.46512 | 14220.186 | 36 | Marcellus |
| 11 | 2/4/2025 | 14184.93023 | 14020.6512 | 36 | Marcellus |
| 12 | 2/6/2025 | 13985.39535 | 13821.1163 | 36 | Marcellus |
| 13 | 2/6/2025 | 13785.86047 | 13621.5814 | 36 | Marcellus |
| 14 | 2/7/2025 | 13586.32558 | 13422.0465 | 36 | Marcellus |
| 15 | 2/7/2025 | 13386.7907 | 13222.5116 | 36 | Marcellus |
| 16 | 2/7/2025 | 13187.25581 | 13022.9767 | 36 | Marcellus |
| 17 | 2/8/2025 | 12987.72093 | 12823.4419 | 36 | Marcellus |
| 18 | 2/8/2025 | 12788.18605 | 12623.907 | 36 | Marcellus |
| 19 | 2/9/2025 | 12588.65116 | 12424.3721 | 36 | Marcellus |
| 20 | 2/9/2025 | 12389.11628 | 12224.8372 | 36 | Marcellus |
| 21 | 2/9/2025 | 12189.5814 | 12025.3023 | 36 | Marcellus |
| 22 | 2/10/2025 | 11990.04651 | 11825.7674 | 36 | Marcellus |
| 23 | 2/10/2025 | 11790.51163 | 11626.2326 | 36 | Marcellus |
| 24 | 2/11/2025 | 11590.97674 | 11426.6977 | 36 | Marcellus |
| 25 | 2/12/2025 | 11391.44186 | 11227.1628 | 36 | Marcellus |
| 26 | 2/12/2025 | 11191.90698 | 11027.6279 | 36 | Marcellus |
| 27 | 2/12/2025 | 10992.37209 | 10828.093 | 36 | Marcellus |
| 28 | 2/13/2025 | 10792.83721 | 10628.5581 | 36 | Marcellus |
| 29 | 2/13/2025 | 10593.30233 | 10429.0233 | 36 | Marcellus |
| 30 | 2/13/2025 | 10393.76744 | 10229.4884 | 36 | Marcellus |
| 31 | 2/14/2025 | 10194.23256 | 10029.9535 | 36 | Marcellus |
| 32 | 2/14/2025 | 9994.697674 | 9830.4186 | 36 | Marcellus |
| 33 | 2/14/2025 | 9795.162791 | 9630.88372 | 36 | Marcellus |
| 34 | 2/14/2025 | 9595.627907 | 9431.34884 | 36 | Marcellus |
| 35 | 2/15/2025 | 9396.093023 | 9231.81395 | 36 | Marcellus |
| 36 | 2/15/2025 | 9196.55814 | 9032.27907 | 36 | Marcellus |
| 37 | 2/15/2025 | 8997.023256 | 8832.74419 | 36 | Marcellus |
| 38 | 2/15/2025 | 8797.488372 | 8633.2093 | 36 | Marcellus |
| 39 | 2/15/2025 | 8597.953488 | 8433.67442 | 36 | Marcellus |
| 40 | 2/16/2025 | 8398.418605 | 8234.13953 | 36 | Marcellus |
| 41 | 2/16/2025 | 8198.883721 | 8034.60465 | 36 | Marcellus |
| 42 | 2/16/2025 | 7999.348837 | 7835.06977 | 36 | Marcellus |
| 43 | 2/16/2025 | 7799.813953 | 7635.53488 | 36 | Marcellus |
| 44 | 2/17/2025 | 7600.27907 | 7436 | 36 | Marcellus |

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EXHIBIT 2

| Stage No. | Stimulations Date | Avg Pump Rate | Avg Treatment Pressure (PSI) | Imax Breakdown Pressure (PSI) | ISIP (PSI) | Amount of Proppant (lbs) | Amount of Water (bbls) | Amount of Nitrogen/ other (units) |
|-----------|-------------------|---------------|------------------------------|-------------------------------|--------------|--------------------------|------------------------|-----------------------------------|
| 1 | 1/30/2025 | 72.73187 | 10031.4 | 9832 | 3614.126 | 124180 | 5809.119 | N/A |
| 2 | 1/31/2025 | 90.12754 | 9439.536 | 7007.55 | 4694 | 415120 | 7619.8095 | N/A |
| 3 | 2/1/2025 | 81.6 | 10057 | 7173.31 | 4931.283 | 395060 | 8884.381 | N/A |
| 4 | 2/1/2025 | 52.70167 | 8097.638 | 7650.64 | 4152 | 393720 | 11000.357 | N/A |
| 5 | 2/2/2025 | 91.31866 | 9802.746 | 6833.51 | 3891.553 | 409680 | 7378.6905 | N/A |
| 6 | 2/2/2025 | 95.7793 | 9627.152 | 6755.4 | 3702.542 | 396870 | 7069.881 | N/A |
| 7 | 2/3/2025 | 94.72041 | 9972.334 | 6555.88 | 3455.573 | 393770 | 7088.1429 | N/A |
| 8 | 2/3/2025 | 96.84324 | 9179.806 | 6435.4 | 4154 | 393390 | 6657.5238 | N/A |
| 9 | 2/4/2025 | 95.81743 | 9827.757 | 6981.79 | 4351 | 394150 | 6706.2619 | N/A |
| 10 | 2/4/2025 | 94.51378 | 9242.783 | 5832.29 | 3855.458 | 402740 | 6719.3571 | N/A |
| 11 | 2/4/2025 | 95.82388 | 9747.723 | 6393.15 | 4315 | 395850 | 6895.9762 | N/A |
| 12 | 2/6/2025 | 91.99241 | 9068.306 | 6611.8 | 4233 | 396060 | 6727.7381 | N/A |
| 13 | 2/6/2025 | 96.32017 | 9422.464 | 6467.72 | 4153 | 416700 | 6911 | N/A |
| 14 | 2/7/2025 | 94.97999 | 9578.732 | 6963.34 | 4357 | 411980 | 6931.6905 | N/A |
| 15 | 2/7/2025 | 96.6891 | 9304.556 | 6625.42 | 4004 | 406840 | 6840.3095 | N/A |
| 16 | 2/7/2025 | 97.02011 | 9137.535 | 6375.91 | 4411 | 409940 | 6815.8571 | N/A |
| 17 | 2/8/2025 | 97.61258 | 9236.546 | 6525.22 | 4396 | 410780 | 6905.119 | N/A |
| 18 | 2/8/2025 | 99.92905 | 9442.461 | 6933.3 | 4321 | 414600 | 6818.8095 | N/A |
| 19 | 2/9/2025 | 97.8852 | 8985.867 | 6929.21 | 4488 | 392410 | 6610.119 | N/A |
| 20 | 2/9/2025 | 99.1203 | 9484.449 | 6592.47 | 3782 | 411620 | 6893.0476 | N/A |
| 21 | 2/9/2025 | 96.17933 | 9162.814 | 6400.17 | 4344 | 394890 | 6437.9048 | N/A |
| 22 | 2/10/2025 | 97.12382 | 8876.219 | 6466.59 | 4215 | 414940 | 6804.5714 | N/A |
| 23 | 2/10/2025 | 98.21233 | 9144.946 | 6823.53 | 5401.643 | 413060 | 6836.0476 | N/A |
| 24 | 2/11/2025 | 98.6289 | 8710.561 | 6326.61 | 4056 | 396980 | 7330.4048 | N/A |
| 25 | 2/12/2025 | 98.02017 | 8936.335 | 6363.81 | 4423.825 | 394700 | 6788.0952 | N/A |
| 26 | 2/12/2025 | 98.29883 | 9293.838 | 7169.54 | 4191 | 400400 | 6755.3333 | N/A |
| 27 | 2/12/2025 | 97.08796 | 8941.787 | 6973.99 | 4087 | 412600 | 7034.0952 | N/A |
| 28 | 2/13/2025 | 96.71832 | 8876.59 | 6739.65 | 3464.906 | 395460 | 6485.6429 | N/A |
| 29 | 2/13/2025 | 99.96786 | 8929.08 | 6571.96 | 4726.315 | 415300 | 7153.5 | N/A |
| 30 | 2/13/2025 | 97.32347 | 8140.788 | 6733.9 | 4146.006 | 396970 | 6756.4762 | N/A |
| 31 | 2/14/2025 | 97.54435 | 8313.44 | 6253.1 | 4309.852 | 394530 | 6403.5714 | N/A |
| 32 | 2/14/2025 | 98.10267 | 8495.425 | 6903.92 | 4099 | 411620 | 6729.3571 | N/A |
| 33 | 2/14/2025 | 99.03739 | 8027.255 | 5932.98 | 3767 | 418160 | 6789.8095 | N/A |
| 34 | 2/14/2025 | 98.07938 | 7948.07 | 6447.96 | 4246 | 397880 | 6664.4286 | N/A |
| 35 | 2/15/2025 | 97.67884 | 8182.751 | 6684.1 | 4130 | 392450 | 6378.1905 | N/A |
| 36 | 2/15/2025 | 98.14941 | 8408.984 | 6641.53 | 4405.583 | 411960 | 6635.4524 | N/A |
| 37 | 2/15/2025 | 99.12826 | 8064.008 | 6664.57 | 4117 | 400190 | 6321.5952 | N/A |
| 38 | 2/15/2025 | 97.88958 | 7707.665 | 6672.88 | 3344.102 | 398720 | 6519.381 | N/A |
| 39 | 2/15/2025 | 97.50545 | 7719.299 | 6554.39 | 4331 | 395070 | 6398.5476 | N/A |
| 40 | 2/16/2025 | 98.19173 | 7775.156 | 6903.33 | 5227.954 | 392830 | 6614 | N/A |
| 41 | 2/16/2025 | 99.43352 | 7858.625 | 7135.21 | 3990 | 417720 | 6716.0238 | N/A |
| 42 | 2/16/2025 | 98.48927 | 7710.444 | 6797.46 | 4021 | 398610 | 6688.619 | N/A |
| 43 | 2/16/2025 | 97.94858 | 7500.435 | 6430.69 | 4120 | 395990 | 6685.4048 | N/A |
| 44 | 2/17/2025 | 97.26411 | 7417.18 | 6237.27 | 3590.624 | 390100 | 6527.0476 | N/A |
| | AVERAGE | 95.1 | 8,837 | 6,734 | 4,182 | 17,436,590 | 303,737 | 0 |

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EXHIBIT 3

| LITHOLOGY/ FORMATION | TOP DEPTH (TVD) | BOTTOM DEPTH (TVD) | TOP DEPTH (MD) | BOTTOM DEPTH (MD) |
|-------------------------------|-----------------|--------------------|----------------|-------------------|
| | From Surface | From Surface | From Surface | From Surface |
| Sandstone | 474 | 624 | 474 | 624 |
| Sandstone, scat MICA | 624 | 774 | 624 | 774 |
| Sandstone | 774 | 1,224 | 774 | 1,224 |
| Limestone, rr SS, tr coal | 924 | 1,274 | 924 | 1,274 |
| Sandstone, tr LS | 1,224 | 1,274 | 1,224 | 1,274 |
| Sandy Siltstone, tr LS | 1,274 | 1,374 | 1,274 | 1,374 |
| Silty Sandstone, tr Coal | 1,374 | 1,474 | 1,374 | 1,474 |
| Sandstone, rr SLTST | 1,474 | 1,574 | 1,474 | 1,574 |
| Silty Sandstone, occ Coal | 1,574 | 1,674 | 1,574 | 1,674 |
| Sandstone, com SLTST, tr mica | 1,674 | 1,774 | 1,674 | 1,774 |
| Sandstone, occ SLTST | 1,774 | 1,924 | 1,774 | 1,924 |
| Silty Sandstone | 1,924 | 2,024 | 1,924 | 2,024 |
| Silty Sandstone, tr Coal | 2,024 | 2,074 | 2,024 | 2,074 |
| Siltstone | 2,074 | 2,124 | 2,074 | 2,124 |
| Siltstone, tr LS | 2,124 | 2,129 | 2,124 | 2,157 |
| Big Lime | 2,155 | 2,935 | 2,157 | 2,977 |
| Fifty Foot Sandstone | 2,935 | 3,028 | 2,951 | 3,072 |
| Gordon | 3,028 | 3,280 | 3,046 | 3,327 |
| Fifth Sandstone | 3,280 | 3,635 | 3,301 | 3,688 |
| Bayard | 3,635 | 4,082 | 3,662 | 4,146 |
| Speechley | 4,082 | 4,226 | 4,120 | 4,294 |
| Balltown | 4,226 | 4,709 | 4,268 | 4,786 |
| Bradford | 4,709 | 5,246 | 4,760 | 5,332 |
| Benson | 5,246 | 5,659 | 5,306 | 5,754 |
| Alexander | 5,659 | 6,824 | 5,728 | 6,982 |
| Sycamore | 6,673 | 6,798 | 6,800 | 6,956 |
| Middlesex | 6,798 | 6,900 | 6,956 | 7,114 |
| Burkett | 6,900 | 6,936 | 7,114 | 7,181 |
| Tully | 6,936 | 7,009 | 7,181 | 7,388 |
| Marcellus | 7,009 | NA | 7,388 | NA |

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**Antero Resources
Well No. Arrow 1H
As-Drilled
Antero Resources Corporation**



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1 of 2

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

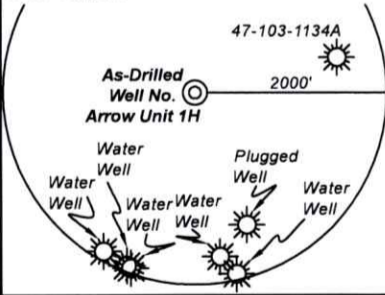
I, the undersigned, hereby certify that this plat is correct to the best of my knowledge and belief and shows all the information required by law and the rules issued and prescribed by the Department of Environmental Protection.

Bradley D. Miller
Bradley D. Miller, P.S. 2167



SEAL

Note: Five water wells 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.

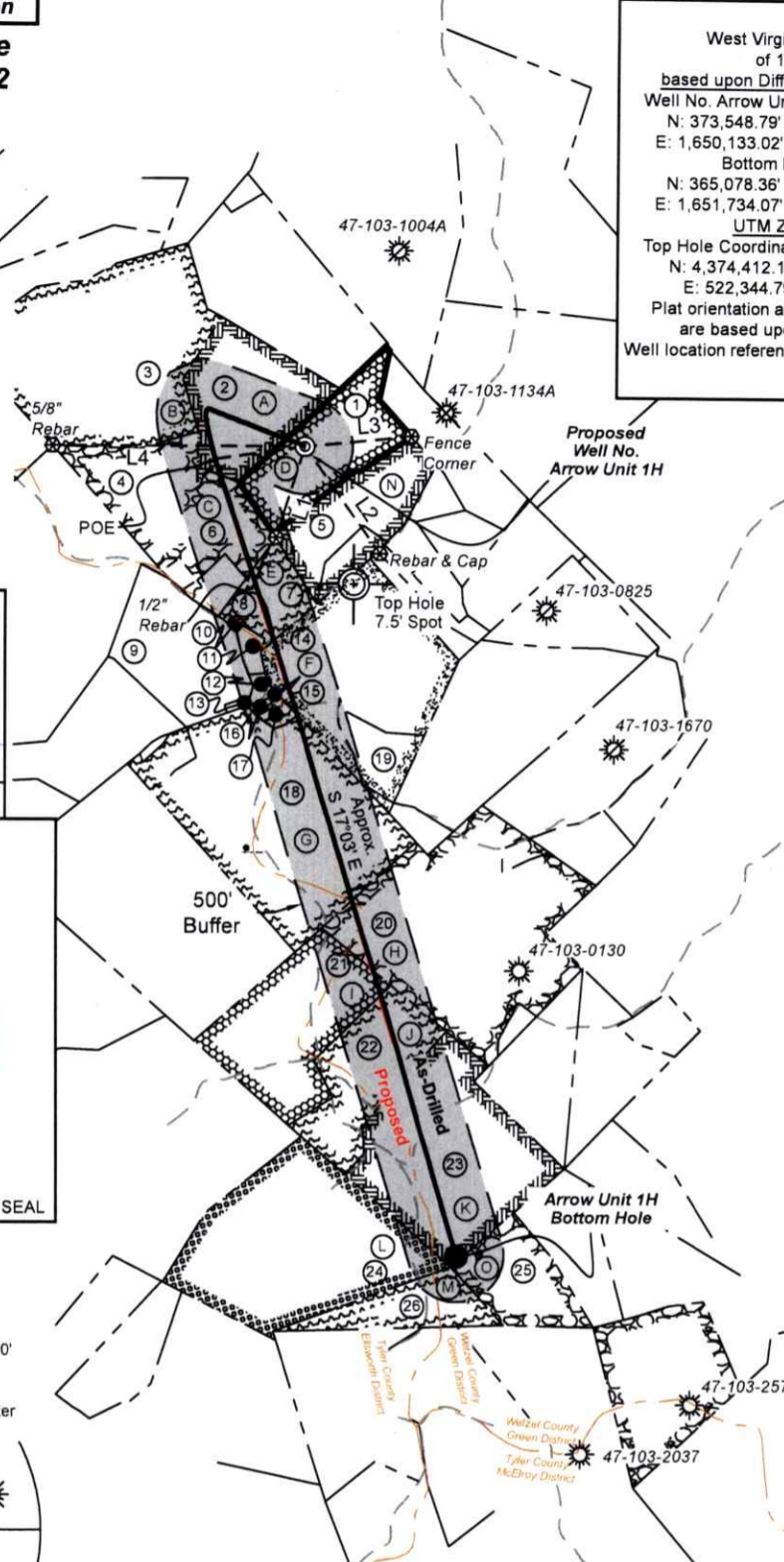


| | Bearing | Dist. |
|----|------------|----------|
| L1 | N 17°25' E | 1,002.3' |
| L2 | N 35°10' W | 1,366.6' |
| L3 | S 84°10' W | 1,121.2' |
| L4 | N 89°54' E | 2,642.1' |

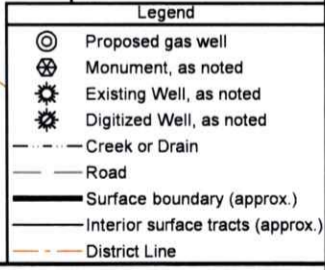
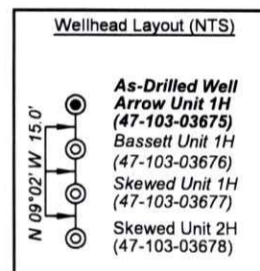
7,280' to Bottom Hole
8,995' to Top Hole
BTM Hole 7.5' Spot
TOP HOLE LATITUDE 39 - 32 - 30
BTM HOLE LATITUDE 39 - 30 - 00

Notes
West Virginia Coordinate System of 1927, North Zone
based upon Differential GPS Measurements.
Well No. Arrow Unit 1H Top Hole coordinates are
N: 373,548.79' Latitude: 39°31'08.33"
E: 1,650,133.02' Longitude: 80°44'24.79"
Bottom Hole coordinates are
N: 365,078.36' Latitude: 39°29'44.83"
E: 1,651,734.07' Longitude: 80°44'02.87"
UTM Zone 17, NAD 1983
Top Hole Coordinates Bottom Hole Coordinates
N: 4,374,412.111m N: 4,371,839.684m
E: 522,344.794m E: 522,875.559m
Plat orientation and corner and well references are based upon the grid north meridian.
Well location references are based upon the magnetic meridian.

Notes:
Well No. Arrow Unit 1H As-Drilled POE Coordinates
WV Coordinate System of 1927, North Zone
N: 373,372.44'
E: 1,649,203.25'
Latitude: 39°31'06.46"
Longitude: 80°44'36.62"
UTM Zone 17, NAD 1983
N: 4,374,353.650m
E: 522,062.423m



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FILE NO: 108-34-G-18
DRAWING NO: Arrow 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: July 10 20 25
OPERATOR'S WELL NO: Arrow 1H
API WELL NO
47 - 103 - 03675
STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
LOCATION: ELEVATION: As-Built Elev: 1,260' WATERSHED: Fishing Creek QUADRANGLE: Pine Grove
DISTRICT: Green COUNTY: Wetzel 03/13/2026
SURFACE OWNER: Antero Midstream, LLC ACREAGE: 33.25
ROYALTY OWNER: Melinda A. Debner LEASE NO: ACREAGE: 33.25
PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) As-Drilled 7,107' TVD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 16,090' MD

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



| Leases | |
|--------|-------------------------------|
| A | J.L. Lancaster |
| B | Suzann Marie Stoehr |
| C | Acropolis, Inc. |
| D | Melinda A. Debner |
| E | Nancy K. Sayre |
| F | Patricia Lou Scheper |
| G | A.J. McHenry & Maggie McHenry |
| H | J.W. Haught & A.B. Haught |
| I | S.J. Straight & S.F. Straight |
| J | AMP V, LP |
| K | AMP V, LP |
| L | Riverwood Resources, LLC |
| M | Barbara V. Kittle |
| N | Blackrock Enterprises, LLC |
| O | Dominic J. Kowalski, et ux |

| ID | TM-Par | Owner | Bk/Pg | Acres |
|----|---------|--|-----------|-------|
| 1 | 20-23 | Antero Midstream, LLC | 465/156 | 33.30 |
| 2 | 19-49 | Antero Midstream, LLC | 465/156 | 32.30 |
| 3 | 19-47 | William & Suzann Stoehr Family Trust | 499/799 | 80.00 |
| 4 | 19-50 | Ronald H. Eastham, et al | 451/110 | 40.00 |
| 5 | 20-29 | Antero Midstream, LLC | 465/153 | 20.90 |
| 6 | 19-50.1 | Phillip D. Haught, et al | 499/173 | 4.75 |
| 7 | 22-1 | Antero Midstream, LLC | 465/156 | 8.61 |
| 8 | 22-1.1 | Michael L. & Teresa L. Bassett | 465/156 | 3.77 |
| 9 | 18-2 | Antero Midstream, LLC | 647/742 | 34.36 |
| 10 | 22-38 | Michael L. & Teresa L. Bassett | 344/242 | 0.48 |
| 11 | 18-3.1 | Michael L. & Teresa L. Bassett | 378/575 | 2.15 |
| 12 | 18-3 | Gary Fred & Sharon Haught | 265/64 | 1.01 |
| 13 | 19-50.3 | David Bowyer | 441/580 | 0.25 |
| 14 | 22-41 | Robert L. Jr. & Donna K. Jones | 462/717 | 71.29 |
| 15 | 22-6.1 | Ancient Energy, LTD | 441/591 | 0.04 |
| 16 | 22-10 | Gary Fred & Sharon Haught | 319/32 | 0.30 |
| 17 | 22-11.1 | Gary Fred & Sharon Haught | 319/32 | 2.00 |
| 18 | 18-9 | Courtney N. Vancamp | 638/148 | 86.50 |
| 19 | 22-12 | Robert L. Jr. & Donna K. Jones | 297/500 | 10.80 |
| 20 | 22-18 | Timothy L. & Vicki L. Glasscock | 370/425 | 99.89 |
| 21 | 18-5 | Dena S. Straight & Vicki L. Glasscock | OR172/546 | 50.13 |
| 22 | 18-6 | Eric D. Beatty & Jack Gordon Straight | 651/575 | 31.96 |
| 23 | 18-7 | Thomas Straight, et al | 270/558 | 68.00 |
| 24 | 24-1 | Michael Luke & Teresa Lynn Bassett | 580/59 | 75.10 |
| 25 | 25-1 | Dominic Joseph & Delmer Michele Kowalski | 353/533 | 60.00 |
| 26 | 24-2 | Hornet Midstream Pipeline, LLC | 543/702 | 17.25 |

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FILE NO: 108-34-G-18
DRAWING NO: Arrow 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: July 10 20 25
OPERATOR'S WELL NO. Arrow 1H
API WELL NO
47 - 103 - 03675
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: As-Built Elev. 1,260' WATERSHED: Fishing Creek QUADRANGLE: Pine Grove
DISTRICT: Green COUNTY: Wetzel 03/13/2026
SURFACE OWNER: Antero Midstream, LLC ACREAGE: 33.25

ROYALTY OWNER: Melinda A. Debner LEASE NO: _____ ACREAGE: 33.25
PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) As-Drilled 7,107' TVD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 16,090' MD

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

Hydraulic Fracturing Fluid Product Component Information Disclosure

| | |
|---------------------------------|------------------------------|
| Job Start Date: | 01/30/2025 |
| Job End Date: | 02/17/2025 |
| State: | West Virginia |
| County: | Wetzel |
| API Number: | 47-103-03675-00-00 |
| Operator Name: | Antero Resources Corporation |
| Well Name and Number: | ARROW UNIT 1H |
| Latitude: | 39.519068 |
| Longitude: | -80.740046 |
| Datum: | WGS84 |
| Federal Well: | NO |
| Indian Well: | NO |
| True Vertical Depth: | 7107 |
| Total Base Water Volume (gal)*: | 13061767 |
| Total Base Non Water Volume: | 0 |



| Water Source | Percent |
|----------------|---------|
| Produced Water | 100.00% |

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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 |
|------------------------------------|-------------|--------------------------|-------------|--|--|--|----------|
| Excelerate LX-21 | Halliburton | Friction Reducer | | | | | |
| HAI-501 | Halliburton | Acid Corrosion Inhibitor | | | | | |
| HYDROCHLORIC ACID, 28% | Halliburton | Solvent | | | | | |
| MC B-8123 | MultiChem | Biocide | | | | | |
| OPTIFLO-II DELAYED RELEASE BREAKER | Halliburton | Breaker | | | | | |
| Produced Water (Density 8.8) | Operator | Base Fluid | | | | | |
| Sand-Common White-100 Mesh, SSA-2 | Halliburton | Proppant | | | | | |
| WG-36 GELLING AGENT | Halliburton | Gelling Agent | | | | | |

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

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| | | | | | | | |
|--|--|--|---|-------------|-----------|----------|------|
| | | | Water | 7732-18-5 | 100.00000 | 86.61627 | None |
| | | | Crystalline silica, quartz | 14808-60-7 | 100.00000 | 13.13944 | None |
| | | | Water | 7732-18-5 | 100.00000 | 0.21786 | None |
| | | | Hydrochloric acid | 7647-01-0 | 30.00000 | 0.05511 | None |
| | | | Complex amine compound | Proprietary | 60.00000 | 0.02825 | None |
| | | | Hydrotreated distillate | Proprietary | 30.00000 | 0.01412 | None |
| | | | Guar gum | 9000-30-0 | 100.00000 | 0.00469 | None |
| | | | Glutaraldehyde | 111-30-8 | 30.00000 | 0.00254 | None |
| | | | Ammonium chloride | 12125-02-9 | 5.00000 | 0.00235 | None |
| | | | Ethoxylated alcohol | Proprietary | 5.00000 | 0.00235 | None |
| | | | Fatty nitrogen derived amides | Proprietary | 5.00000 | 0.00235 | None |
| | | | Sorbitan, mono-9-octadecenoate, (Z) | 1338-43-8 | 1.00000 | 0.00047 | None |
| | | | Sorbitan monooleate polyoxyethylene derivative | 9005-65-6 | 1.00000 | 0.00047 | None |
| | | | Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides | 68424-85-1 | 5.00000 | 0.00042 | None |
| | | | Methanol | 67-56-1 | 100.00000 | 0.00027 | None |
| | | | Ammonium persulfate | 7727-54-0 | 100.00000 | 0.00011 | None |
| | | | Citric acid | 77-92-9 | 1.00000 | 0.00008 | None |
| | | | Mixture of dimer and trimer fatty acids of indefinite composition derived from tall oil | 61790-12-3 | 30.00000 | 0.00008 | None |
| | | | Modified thiourea polymer | Proprietary | 30.00000 | 0.00008 | None |
| | | | Oxylated phenolic resin | Proprietary | 30.00000 | 0.00003 | None |
| | | | Propargyl alcohol | 107-19-7 | 5.00000 | 0.00001 | None |
| | | | Hexadecene | 629-73-2 | 5.00000 | 0.00001 | None |
| | | | Ethoxylated alcohols | Proprietary | 5.00000 | 0.00001 | None |
| | | | C.I. pigment Orange 5 | 3468-63-1 | 1.00000 | 0.00000 | None |

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

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

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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)