

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

API 47 - 017 - 06966 County Doddridge District TH: New Milton BH: Cove
Quad New Milton Pad Name Haught Field/Pool Name ----
Farm name Susan Haught Gido, et al Well Number Coldwater 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 4337642.235m Easting 527527.985m
Landing Point of Curve Northing 4337500.34m Easting 527952.96m
Bottom Hole Northing 4333263.847m Easting 529284.489m

Elevation (ft) 1194' 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 10/2/2023 Date drilling commenced 11/13/2023 Date drilling ceased 1/22/2024
Date completion activities began 12/2/2024 Date completion activities ceased 1/26/2025
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

RECEIVED
Office of Oil and Gas
MAY 14 2025

Freshwater depth(s) ft 1701' Open mine(s) (Y/N) depths No
Salt water depth(s) ft 2406' 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
Sheri King
5-20-25 **02/06/2026**

API 47-017 - 06966 Farm name Susan Haught Gido, et al Well number Coldwater 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"	372'	New	54.5#, J-55	N/A	Y
Coal							
Intermediate 1	12-1/4"	9-5/8"	3369'	New	38#, J-55	N/A	Y
Intermediate 2							
Intermediate 3							
Production	8-3/4"/8-1/2"	5-1/2"	22464'	New	23#, P-110	N/A	Y
Tubing		2-3/8"	7302'		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	250 sx	15.6	1.18	295	0'	8 Hrs.
Surface	Class A	335 sx	15.6	1.20	402	0'	8 Hrs.
Coal							
Intermediate 1	Class A	1189 sx	15.6	1.20	1427	0'	8 Hrs.
Intermediate 2							
Intermediate 3							
Production	Class H	3951 sx (Tail)	13.5 (Lead), 15.2 (Tail)	1.26 (Tail)	4978	-500' into Intermediate Casing	8 Hrs.
Tubing							

Drillers TD (ft) 22464' MD, 7145' TVD (BHL), 7267' (Deepest Point Drilled) Loggers TD (ft) 22464' MD
 Deepest formation penetrated Marcellus Plug back to (ft) N/A
 Plug back procedure N/A

Kick off depth (ft) 6520'

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

RECEIVED
Office of Oil and Gas
MAY 14 2025

WAS WELL COMPLETED AS SHOT HOLE Yes No DETAILS _____

WV Department of Environmental Protection

WAS WELL COMPLETED OPEN HOLE? Yes No DETAILS _____

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

APPROVED *She* 02/06/2026
5-28-25

Exhibit 1

Stage No.	Perforation Date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formations
1	12/2/2024	22335.2	22291.8	36	Marcellus
2	12/2/2024	22252.90594	22087.4356	36	Marcellus
3	12/3/2024	22051.94155	21886.4712	36	Marcellus
4	12/4/2024	21850.97717	21685.5068	36	Marcellus
5	12/4/2024	21650.01279	21484.5425	36	Marcellus
6	12/4/2024	21449.0484	21283.5781	36	Marcellus
7	12/5/2024	21248.08402	21082.6137	36	Marcellus
8	12/5/2024	21047.11963	20881.6493	36	Marcellus
9	12/6/2024	20846.15525	20680.6849	36	Marcellus
10	12/6/2024	20645.19087	20479.7205	36	Marcellus
11	12/7/2024	20444.22648	20278.7562	36	Marcellus
12	12/7/2024	20243.2621	20077.7918	36	Marcellus
13	12/8/2024	20042.29772	19876.8274	36	Marcellus
14	12/8/2024	19841.33333	19675.863	36	Marcellus
15	12/8/2024	19640.36895	19474.8986	36	Marcellus
16	12/9/2024	19439.40457	19273.9342	36	Marcellus
17	12/9/2024	19238.44018	19072.9699	36	Marcellus
18	12/10/2024	19037.4758	18872.0055	36	Marcellus
19	12/10/2024	18836.51142	18671.0411	36	Marcellus
20	12/11/2024	18635.54703	18470.0767	36	Marcellus
21	12/11/2024	18434.58265	18269.1123	36	Marcellus
22	12/12/2024	18233.61826	18068.1479	36	Marcellus
23	12/12/2024	18032.65388	17867.1836	36	Marcellus
24	12/12/2024	17831.6895	17666.2192	36	Marcellus
25	12/13/2024	17630.72511	17465.2548	36	Marcellus
26	12/13/2024	17429.76073	17264.2904	36	Marcellus
27	12/13/2024	17228.79635	17063.326	36	Marcellus
28	12/14/2024	17027.83196	16862.3616	36	Marcellus
29	12/14/2024	16826.86758	16661.3973	36	Marcellus
30	12/14/2024	16625.9032	16460.4329	36	Marcellus
31	12/15/2024	16424.93881	16259.4685	36	Marcellus
32	12/15/2024	16223.97443	16058.5041	36	Marcellus
33	12/16/2024	16023.01005	15857.5397	36	Marcellus
34	12/16/2024	15822.04566	15656.5753	36	Marcellus
35	12/16/2024	15621.08128	15455.611	36	Marcellus
36	12/16/2024	15420.11689	15254.6466	36	Marcellus
37	12/17/2024	15219.15251	15053.6822	36	Marcellus
38	12/17/2024	15018.18813	14852.7178	36	Marcellus
39	12/18/2024	14817.22374	14651.7534	36	Marcellus
40	12/18/2024	14616.25936	14450.789	36	Marcellus
41	12/18/2024	14415.29498	14249.8247	36	Marcellus
42	12/19/2024	14214.33059	14048.8603	36	Marcellus
43	12/19/2024	14013.36621	13847.8959	36	Marcellus
44	12/19/2024	13812.40183	13646.9315	36	Marcellus
45	12/20/2024	13611.43744	13445.9671	36	Marcellus
46	12/20/2024	13410.47306	13245.0027	36	Marcellus
47	12/21/2024	13209.50868	13044.0384	36	Marcellus
48	12/21/2024	13008.54429	12843.074	36	Marcellus
49	12/21/2024	12807.57991	12642.1096	36	Marcellus
50	12/22/2024	12606.61553	12441.1452	36	Marcellus
51	12/22/2024	12405.65114	12240.1808	36	Marcellus
52	12/22/2024	12204.68676	12039.2164	36	Marcellus
53	12/23/2024	12003.72237	11838.2521	36	Marcellus
54	12/23/2024	11802.75799	11637.2877	36	Marcellus
55	12/24/2024	11601.79361	11436.3233	36	Marcellus
56	12/24/2024	11400.82922	11235.3589	36	Marcellus
57	12/24/2024	11199.86484	11034.3945	36	Marcellus
58	12/25/2024	10998.90046	10833.4301	36	Marcellus
59	12/25/2024	10797.93607	10632.4658	36	Marcellus
60	12/26/2024	10596.97169	10431.5014	36	Marcellus
61	12/26/2024	10396.00731	10230.537	36	Marcellus
62	12/26/2024	10195.04292	10029.5726	36	Marcellus
63	12/27/2024	9994.078539	9828.60822	36	Marcellus
64	12/27/2024	9793.114155	9627.64384	36	Marcellus
65	12/27/2024	9592.149772	9426.67945	36	Marcellus
66	12/28/2024	9391.185388	9225.71507	36	Marcellus
67	12/28/2024	9190.221005	9024.75068	36	Marcellus
68	12/28/2024	8989.256621	8823.7863	36	Marcellus
69	12/29/2024	8788.292237	8622.82192	36	Marcellus
70	12/29/2024	8587.327854	8421.85753	36	Marcellus
71	12/29/2024	8386.36347	8220.89315	36	Marcellus
72	12/30/2024	8185.399087	8019.92877	36	Marcellus
73	12/30/2024	7984.434703	7818.96438	36	Marcellus
74	12/30/2024	7783.47032	7618	36	Marcellus

RECEIVED
Office of Oil and Gas
MAY 14 2025
WV Department of
Environmental Protection

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	12/2/2024	70.1	8443.9	7488.7	4883.0	168020	5530.9	N/A
2	12/2/2024	89.3	9763.0	6671.6	4860.9	400820	8984.7	N/A
3	12/3/2024	89.0	9575.1	6134.8	5068.0	418040	7370.0	N/A
4	12/4/2024	94.1	9942.5	6979.5	5294.9	417250	7658.0	N/A
5	12/4/2024	98.1	10309.0	7243.3	5374.0	401300	7408.8	N/A
6	12/4/2024	93.3	9810.6	5907.3	4979.5	411680	7297.3	N/A
7	12/5/2024	95.6	10323.7	7320.5	5475.0	400290	7135.2	N/A
8	12/5/2024	94.1	9753.4	7279.2	5212.6	398360	7102.5	N/A
9	12/6/2024	97.3	9918.1	6233.5	4986.0	399770	7100.7	N/A
10	12/6/2024	75.6	9651.9	6676.8	4839.7	396500	9665.1	N/A
11	12/7/2024	96.0	10226.6	7311.0	5393.0	398020	7103.5	N/A
12	12/7/2024	95.8	10448.7	6623.4	5091.3	417380	8441.7	N/A
13	12/8/2024	96.2	10247.6	6883.2	5135.0	413420	7126.2	N/A
14	12/8/2024	98.2	10316.9	7268.6	5399.0	397520	6958.1	N/A
15	12/8/2024	95.9	9970.0	6344.7	4830.6	415460	7134.6	N/A
16	12/9/2024	95.4	9902.8	6541.2	4958.0	403840	7006.9	N/A
17	12/9/2024	97.2	9935.1	6495.5	4734.8	411360	7129.5	N/A
18	12/10/2024	95.3	9819.0	6953.9	5175.4	410360	6949.6	N/A
19	12/10/2024	97.3	9925.7	7041.1	5213.9	410820	7135.5	N/A
20	12/11/2024	98.7	9924.3	6817.2	5006.8	412920	7131.8	N/A
21	12/11/2024	95.4	9824.2	7000.7	4710.4	397600	6916.8	N/A
22	12/12/2024	98.8	9664.8	6909.6	4813.0	416220	7344.7	N/A
23	12/12/2024	97.2	9760.7	6774.9	4811.6	398930	6892.3	N/A
24	12/12/2024	97.3	9821.2	7062.8	4688.1	414660	7024.5	N/A
25	12/13/2024	96.3	9662.6	7225.1	4820.8	414140	6980.5	N/A
26	12/13/2024	97.1	9668.6	6982.1	5163.0	418320	7065.5	N/A
27	12/13/2024	98.2	9598.5	6744.8	5706.0	416620	7375.2	N/A
28	12/14/2024	97.9	9750.2	6964.2	5191.0	411300	7126.6	N/A
29	12/14/2024	98.0	9714.8	6821.1	5101.0	409920	7077.5	N/A
30	12/14/2024	98.0	9870.8	6716.3	5105.0	414140	7158.3	N/A
31	12/15/2024	98.5	9811.2	7091.2	5134.0	410820	7111.4	N/A
32	12/15/2024	92.6	9299.0	7164.5	5198.0	405600	6991.0	N/A
33	12/16/2024	98.5	9843.7	7489.3	5375.0	409180	7193.4	N/A
34	12/16/2024	97.3	9401.2	6795.3	4852.0	415160	7169.1	N/A
35	12/16/2024	97.9	9455.8	7187.0	5150.0	416000	7120.2	N/A
36	12/16/2024	98.5	9737.0	7272.7	4992.0	415080	7097.4	N/A
37	12/17/2024	96.1	9534.8	7134.9	4830.6	411440	7073.0	N/A
38	12/17/2024	97.1	9601.7	7214.9	5206.0	410360	6937.4	N/A
39	12/18/2024	97.8	9453.8	7201.4	5677.0	408540	6986.6	N/A
40	12/18/2024	97.1	9439.6	6936.8	5376.0	405040	6724.8	N/A
41	12/18/2024	98.0	9748.1	7207.9	5486.0	408260	6879.8	N/A
42	12/19/2024	97.9	9445.0	7195.6	5525.0	401540	6984.8	N/A
43	12/19/2024	97.8	9389.3	6993.4	5436.0	408540	6844.7	N/A
44	12/19/2024	97.2	9118.0	6933.2	5751.0	408800	6908.9	N/A
45	12/20/2024	98.0	9431.9	7617.6	5062.6	406360	6903.4	N/A
46	12/20/2024	98.4	9372.7	7244.0	5337.0	410040	6778.0	N/A
47	12/21/2024	97.9	9042.7	6963.0	5307.0	412500	7171.0	N/A
48	12/21/2024	97.7	9241.6	6967.3	5702.0	407240	6767.4	N/A
49	12/21/2024	98.6	8903.1	7235.7	5428.0	415320	7107.6	N/A
50	12/22/2024	98.7	8849.4	7449.3	5661.0	418740	6924.6	N/A
51	12/22/2024	95.6	9072.5	7102.1	5538.0	409680	6655.3	N/A
52	12/22/2024	98.8	8653.0	6705.3	4891.0	413000	7225.5	N/A
53	12/23/2024	97.6	9018.0	6758.3	5301.0	414800	6781.6	N/A
54	12/23/2024	99.9	8640.6	7008.9	5438.0	406440	6832.1	N/A
55	12/24/2024	96.7	8244.1	6979.9	5237.0	395430	7590.1	N/A
56	12/24/2024	97.3	8536.6	7014.2	4870.2	414860	6893.0	N/A
57	12/24/2024	97.9	8364.6	7134.1	4836.0	408920	6633.1	N/A
58	12/25/2024	98.5	8526.8	7244.9	4880.8	408000.0	6638.1	N/A
59	12/25/2024	98.9	8596.2	7139.7	5631.0	407820.0	6679.9	N/A
60	12/26/2024	96.0	8185.3	7063.0	5425.0	415060.0	9488.5	N/A
61	12/26/2024	99.6	8829.1	7682.8	5415.0	418040.0	6846.1	N/A
62	12/26/2024	96.3	8435.9	6736.2	5568.0	408800.0	7301.9	N/A
63	12/27/2024	99.5	8730.4	6998.2	5097.0	413720.0	6739.0	N/A
64	12/27/2024	99.3	8609.6	7072.6	5251.0	409310.0	6616.5	N/A
65	12/27/2024	99.9	8792.2	7626.7	5406.0	393420.0	6384.1	N/A
66	12/28/2024	99.4	8630.3	7913.3	5374.0	412300.0	6574.8	N/A
67	12/28/2024	99.5	8396.1	7261.8	5241.0	415020.0	6476.9	N/A
68	12/28/2024	98.5	8078.4	7465.2	5169.0	416040.0	6569.2	N/A
69	12/29/2024	99.5	8598.9	6822.6	5108.0	417140.0	6588.4	N/A
70	12/29/2024	97.9	8397.4	7608.6	4790.3	411580.0	6509.6	N/A
71	12/29/2024	99.3	8082.3	6824.9	5560.0	402300.0	6844.8	N/A
72	12/30/2024	100.0	8340.8	7602.7	5452.0	391800.0	6412.5	N/A
73	12/30/2024	98.2	8138.5	7418.4	4799.6	412720.0	6512.7	N/A
74	12/30/2024	99	8,045	6,989	5,242	372,140	6,145	N/A
	AVERAGE	97	9,295	7,839	5,191	30,004,950	523,898	TOTAL

RECEIVED
Office of Oil and Gas
MAY 14 2025
WV Department of
Environmental Protection

EXHIBIT 3

LITHOLOGY/ FORMATION	TOP DEPTH (TVD)	BOTTOM DEPTH (TVD)	TOP DEPTH (MD)	BOTTOM DEPTH (MD)
	From Surface	From Surface	From Surface	From Surface
Silty Sandstone	84	274	84	274
Sandstone, Occ Siltstone	274	424	274	424
Silty Sandstone	424	724	424	724
Sandstone, Siltstone	624	924	624	924
Sandy Siltstone	724	924	724	924
Siltstone, Occ Sandstone	924	1,174	924	1,174
Sandy Siltstone	1,174	1,274	1,174	1,274
Siltstone, tr Sandstone	1,274	1,324	1,274	1,324
Siltstone, tr Sandstone, tr Shale	1,324	1,824	1,324	1,824
Sandstone	1,824	1,924	1,824	1,924
Sandstone, Occ Siltstone	1,924	1,974	1,924	1,974
Silty Sandstone	1,974	2,124	1,974	2,124
Sandstone, Occ Siltstone	2,124	2,274	2,124	2,274
Sandstone	2,274	2,324	2,274	2,324
Silty Sandstone	2,324	2,262	2,324	2,290
Big Lime	2,288	2,757	2,290	2,797
Fifty Foot Sandstone	2,757	2,953	2,771	2,998
Gordon	2,953	3,260	2,972	3,309
Fifth Sandstone	3,260	3,325	3,283	3,375
Bayard	3,325	3,633	3,349	3,688
Speechley	3,633	4,101	3,662	4,170
Balltown	4,101	4,786	4,144	4,867
Bradford	4,786	5,230	4,841	5,319
Benson	5,230	5,480	5,293	5,575
Alexander	5,480	6,914	5,549	7,052
Sycamore	6,727	6,888	6,849	7,026
Middlesex	6,888	7,034	7,026	7,227
Burkett	7,034	7,068	7,227	7,286
Tully	7,068	7,167	7,286	7,570
Marcellus	7,167	NA	7,570	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.

RECEIVED
Office of Oil and Gas

MAY 14 2025

WV Department of
Environmental Protection

02/06/2026

Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	12/01/2024
Job End Date:	12/30/2024
State:	West Virginia
County:	Doddridge
API Number:	47-017-06966-00-00
Operator Name:	Antero Resources Corporation
Well Name and Number:	Coldwater Unit 1H
Latitude:	39.187587
Longitude:	-80.681251
Datum:	WGS84
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	7267
Total Base Water Volume (gal)*:	22954706
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
FightR EC-17	Halliburton	Friction Reducer					
Fresh Water	Operator	Base Fluid					
HAI-501	Halliburton	Acid Corrosion Inhibitor					
HYDROCHLORIC ACID,15%	Halliburton	Solvent					
LCA-1	Halliburton	Solvent					
LEGEND(TM) LD-7750W	MultiChem	Scale Control					
MC B-8123	MultiChem	Biocide					
OPTIFLO-II DELAYED RELEASE BREAKER	Halliburton	Breaker					
Sand-Common White-100 Mesh, SSA-2	Halliburton	Proppant					

RECEIVED
Office of Oil and Gas
MAY 14 2025
WV Department of Environmental Protection

02/06/2026

WG-36 GELLING AGENT	Halliburton	Gelling Agent					
Items above are Trade Names. Items below are the individual ingredients.							
			Water	7732-18-5	100.00000	86.09687	None
			Crystalline silica, quartz	14808-60-7	100.00000	13.49490	None
			Water	7732-18-5	100.00000	0.33110	None
			Hydrochloric acid	7647-01-0	15.00000	0.05071	None
			Acrylamide copolymer	Proprietary	60.00000	0.02988	None
			Hydrotreated distillate	Proprietary	100.00000	0.01494	None
			Methanol	67-56-1	100.00000	0.00705	None
			Guar gum	9000-30-0	100.00000	0.00422	None
			Sorbitan, mono-9-octadecenoate, (Z)	1338-43-8	5.00000	0.00249	None
			Oleic acid, ethoxylated	9004-96-0	5.00000	0.00249	None
			Glutaraldehyde	111-30-8	30.00000	0.00246	None
			Sodium chloride	7647-14-5	5.00000	0.00057	None
			Phosphoric Acid Salt	Proprietary	5.00000	0.00057	None
			Poly(oxy-1,2-ethanediyl), a-hydroxy-hydroxy-, ether with D-glucitol, tetra-(9Z)-9-octadecenoate	61723-83-9	1.00000	0.00050	None
			Alcohols, C12-16, ethoxylated	68551-12-2	1.00000	0.00050	None
			Alcohols, C12-14-secondary, ethoxylated	84133-50-6	1.00000	0.00050	None
			Fatty amine salt	Proprietary	1.00000	0.00050	None
			Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	68424-85-1	5.00000	0.00041	None
			Ammonium persulfate	7727-54-0	100.00000	0.00016	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	0.00007	None
			Modified thiourea	Proprietary	30.00000	0.00007	None

02/06/2026

			polymer				
			Sodium bisulfite	7631-90-5	0.10000	0.00005	None
			Organic salt	Proprietary	0.10000	0.00005	None
			Oxylated phenolic resin	Proprietary	30.00000	0.00005	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
			Formaldehyde	50-00-0	0.10000	0.00001	None
			Ethylene oxide	75-21-8	0.01000	0.00000	None
			Acrylamide	79-06-1	0.01000	0.00000	None
			Ammonium salt	Proprietary	0.01000	0.00000	None
			C.I. pigment Orange 5	3468-63-1	1.00000	0.00000	None

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

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

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)

RECEIVED
Office of Oil and Gas
MAY 14 2025
WV Department of
Environmental Protection

02/06/2026

10,290' to Bottom Hole

4,184' to Top Hole

TOP HOLE LATITUDE 39 - 12 - 30
BTM HOLE LATITUDE 39 - 10 - 00

TOP HOLE LONGITUDE 80 - 40 - 00
BTM HOLE LONGITUDE 80 - 37 - 30

6,803' to Bottom Hole

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

Page 1 of 2



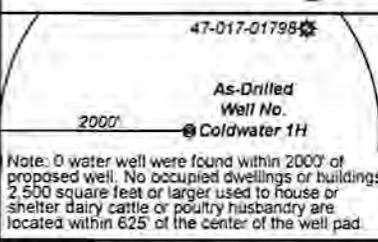
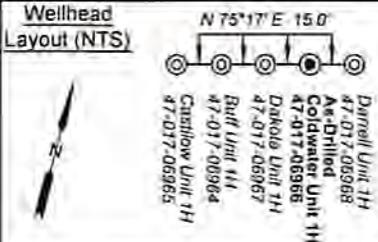
Top Hole Coordinates, As-drilled data, and information was provided by Antero Resources Corporation, Allegheny Surveys Inc. (ASI) is not certifying the data and information provided, ASI is not responsible for any errors or inaccuracies with the data and information that has been provided.

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, P.S. 2167



SEAL



Note: 0 water well 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**
- As-Drilled gas well
 - ⊗ Monument, as noted
 - ⊙ Existing Well, as noted
 - ⊛ Digitized Well, as noted
 - Creek or Drain
 - Road
 - Surface boundary (approx.)
 - Interior surface tracts (approx.)
 - District Line

Notes
West Virginia Coordinate System of 1927, North Zone
based upon Differential GPS Measurements
Well No. Coldwater Unit 1H Top Hole coordinates are
N: 252,604.07' Latitude: 39°11'15.01"
E: 1,665,129.07' Longitude: 80°40'53.14"
Bottom Hole coordinates are
N: 238,139.96' Latitude: 39°08'52.76"
E: 1,670,653.49' Longitude: 80°39'40.61"
UTM Zone 17, NAD 1983
Top Hole Coordinates Bottom Hole Coordinates
N: 4,337,642.235m N: 4,333,263.847m
E: 527,527.985m E: 529,284.489m
Plat orientation and corner and well references are based upon the gnd north meridian.
Well location references are based upon the magnetic meridian.

Notes:
Well No. Coldwater Unit 1H
As-Drilled POE Coordinates
WV Coordinate System of 1927, North Zone
N: 252,408.18'
E: 1,666,487.13'
Latitude: 39°11'13.25"
Longitude: 80°40'35.86"
UTM Zone 17, NAD 1983
N: 4,337,589.463m
E: 527,942.715m

Bearing	Dist.
L1 S 31°20' E	1,865.2'
L2 S 10°12' E	1,693.8'
L3 S 63°59' W	3,256.3'
L4 N 79°47' W	2,521.8'

FILE NO: 264-30-N-22
DRAWING NO: Coldwater 1H Well Plat As-Drilled
SCALE: 1" = 2000'
MINIMUM DEGREE OF ACCURACY: Submeter
PROVEN SOURCE OF ELEVATION: WVDOT, Harmsville, WV

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

DATE: May 12 20 25
OPERATOR'S WELL NO. Coldwater 1H
API WELL NO
47 - 017 - 06966
STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
LOCATION: ELEVATION: As-Built 1,194' WATERSHED: Headwaters Middle Island Creek QUADRANGLE: New Milton
DISTRICT: New Milton COUNTY: Doddridge 02/06/2026
SURFACE OWNER: Susan Haught Gido, et al ACREAGE: 264
ROYALTY OWNER: O.C. Haught, et ux LEASE NO: ACREAGE: 264
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: 7,145' TVD 22,464' 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	O.C. Haught, et ux
B	Haught Family Trust, et al
C	Susan B. Gum
D	Michael B. Duffelmeyer
E	Mary K. Post Revocable Trust - 2017, et al
F	Michael Brent Duffelmeyer
G	Mary K. Post Revocable Trust - 2017, et al
H	O.C. Haught, et al
I	Warren Bee, et ux
J	HG Energy II Appalachia, LLC
K	HG Energy II Appalachia, LLC
L	Trever S. Gum
M	Michael Dale & Janet L. Nicholson
N	Haught Family Trust

ID	TM-Par	Owner	Bk/Pg	Acres
1	15-15	Susan Haught Gido, et al	WB62/407	264.00
2	15-6	Susan Haught Gido, et al	WB62/407	119.23
3	16-14	Meivin L. & Misty D. Davis	445/159	104.13
4	19-6	Garry R. Norton	176/265	68.49
5	16-15	Garry R. Norton	176/265	104.40
6	20-1	Leonard Gandy	193/66	21.25
7	20-2	BOE	15/216	0.38
8	19-5	Susan Haught Gido, et al	WB62/407	86.26
9	19-7	Susan Haught Gido, et al	WB62/407	269.50
10	20-3	Warren & Judy Bee	218/585	56.00
11	20-20.1	Harvey C. Woodruff, III	252/715	92.69
12	20-20.2	Harvey C. Woodruff, III	257/292	33.73
13	20-21	Trever S. Gum	364/471	100.28
14	24-1	Michael & Janet Nicholson	472/87	83.74

FILE NO: 264-30-N-22
DRAWING NO: Coldwater 1H Well Plat 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: May 12 2025
OPERATOR'S WELL NO. Coldwater 1H
API WELL NO
47 - 017 - 06966
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: As-Built 1,194' WATERSHED: Headwaters Middle Island Creek QUADRANGLE: New Milton
DISTRICT: New Milton COUNTY: Doddridge **02/06/2026**
SURFACE OWNER: Susan Haught Gido, et al ACREAGE: 264
ROYALTY OWNER: O.C. Haught, et ux LEASE NO: _____ ACREAGE: 264
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: 7,145' TVD
22,464' 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