

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

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DEC 11 2025
WV Department of
Environmental Protection

API 47 - 103 - 03694 County Wetzel District Green
Quad Pine Grove 7.5' Pad Name Cedar Field/Pool Name -----
Farm name Dallison Lumber Company Well Number Duke 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 4379828.781m Easting 524666.830m
Landing Point of Curve Northing 4379653.37m Easting 524088.38m
Bottom Hole Northing 4384402.757m Easting 522470.096m

Elevation (ft) 1,248' 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 12/20/2024 Date drilling commenced 1/30/2025 Date drilling ceased 4/29/2025
Date completion activities began 6/5/2025 Date completion activities ceased 8/12/2025
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 612' Open mine(s) (Y/N) depths No
Salt water depth(s) ft 2193' Void(s) encountered (Y/N) depths No
Coal depth(s) ft 1010' Cavern(s) encountered (Y/N) depths No
Is coal being mined in area (Y/N) No

Reviewed by:

03/20/2026

API 47-103 - 03694 Farm name Dallison Lumber Company Well number Duke 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"	741'	New	54.5#, J-55	N/A	Y
Coal							
Intermediate 1	12-1/4"	9-5/8"	3467'	New	36#, P-110	N/A	Y
Intermediate 2							
Intermediate 3							
Production	8-3/4"/8-1/2"	5-1/2"	24349'	New	23#, P-110	N/A	Y
Tubing		2-3/8"	7359'		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 A	1173 sx	15.6	1.18	1384	0'	8 Hrs.
Intermediate 2							
Intermediate 3							
Production	Class H	4287 sx (Tail)	13.5 (Spacer), 15.2(Tail)	1.26 (Tail)	5402	~500' into Intermediate Casing	8 Hrs.
Tubing							

Drillers TD (ft) 24,349' MD, 7,065' TVD (BHL), 7,111' TVD (Deepest Point Drilled) Loggers TD (ft) 24,319' MD
 Deepest formation penetrated Marcellus Plug back to (ft) N/A
 Plug back procedure N/A

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Kick off depth (ft) 6,614'

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Check all wireline logs run caliper density deviated/directional induction
 neutron resistivity gamma ray temperature sonic

Well cored Yes No Conventional Sidewall Were cuttings collected Yes No


DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING _____

Conductor - 0
 Surface - 1 above guide shoe, 1 above insert float, 1 every 4th joint to surface
 Intermediate - 1 above float joint, 1 above float collar, 1 every 4th joint to surface
 Production - 1 above float joint, 1 below float collar, 1 every 3rd joint to top of cement

WAS WELL COMPLETED AS SHOT HOLE Yes No DETAILS _____

WAS WELL COMPLETED OPEN HOLE? Yes No DETAILS _____

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

03/20/2026 

API 47- 103 - 03694 Farm name Dallison Lumber Company Well number Duke Unit 1H

<u>PRODUCING FORMATION(S)</u>	<u>DEPTHS</u>			
Marcellus	7,082' (TOP)	TVD	7,652' (TOP)	MD
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

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 13,880.47 mcfpd Oil 515.30 bpd NGL --- bpd Water 872.95 bpd GAS MEASURED BY Estimated Orifice Pilot

LITHOLOGY/ FORMATION	TOP DEPTH IN FT NAME TVD	BOTTOM DEPTH IN FT TVD	TOP DEPTH IN FT MD	BOTTOM DEPTH IN FT MD	DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H ₂ S, ETC)
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***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 SLB
Address 5599 San Felipe St City Houston State TX Zip 77056

Stimulating Company NexTier
Address 1650 Hackers Creek Rd City Jane Lew State WV Zip 26378

Please insert additional pages as applicable.

Completed by Stefan Gaspar Telephone 303-357-6959
Signature *S Gaspar* Title Permitting Agent Date 12/9/25

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

03/20/2026

API 47-103-03694 Farm Name William Wade Fletcher Well Number Duke Unit 1H					
EXHIBIT 1					
Stage No.	Perforation Date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formations
1	6/5/2025	24293	24277	36	Marcellus
2	6/6/2025	24238.66667	24074	36	Marcellus
3	6/6/2025	24038.66667	23874	36	Marcellus
4	6/7/2025	23838.66667	23674	36	Marcellus
5	6/8/2025	23638.66667	23474	36	Marcellus
6	6/8/2025	23438.66667	23274	36	Marcellus
7	6/8/2025	23238.66667	23074	36	Marcellus
8	6/9/2025	23038.66667	22874	36	Marcellus
9	6/10/2025	22838.66667	22674	36	Marcellus
10	6/10/2025	22638.66667	22474	36	Marcellus
11	6/11/2025	22438.66667	22274	36	Marcellus
12	6/11/2025	22238.66667	22074	36	Marcellus
13	6/12/2025	22038.66667	21874	36	Marcellus
14	6/12/2025	21838.66667	21674	36	Marcellus
15	6/13/2025	21638.66667	21474	36	Marcellus
16	6/14/2025	21438.66667	21274	36	Marcellus
17	6/14/2025	21238.66667	21074	36	Marcellus
18	6/15/2025	21038.66667	20874	36	Marcellus
19	6/15/2025	20838.66667	20674	36	Marcellus
20	6/16/2025	20638.66667	20474	36	Marcellus
21	6/16/2025	20438.66667	20274	36	Marcellus
22	6/17/2025	20238.66667	20074	36	Marcellus
23	6/17/2025	20038.66667	19874	36	Marcellus
24	6/18/2025	19838.66667	19674	36	Marcellus
25	6/18/2025	19638.66667	19474	36	Marcellus
26	6/19/2025	19438.66667	19274	36	Marcellus
27	6/19/2025	19238.66667	19074	36	Marcellus
28	6/20/2025	19038.66667	18874	36	Marcellus
29	6/20/2025	18838.66667	18674	36	Marcellus
30	6/21/2025	18638.66667	18474	36	Marcellus
31	6/21/2025	18438.66667	18274	36	Marcellus
32	6/21/2025	18238.66667	18074	36	Marcellus
33	6/21/2025	18038.66667	17874	36	Marcellus
34	6/21/2025	17838.66667	17674	36	Marcellus
35	6/21/2025	17638.66667	17474	36	Marcellus
36	6/22/2025	17438.66667	17274	36	Marcellus
37	6/22/2025	17238.66667	17074	36	Marcellus
38	6/23/2025	17038.66667	16874	36	Marcellus
39	6/23/2025	16838.66667	16674	36	Marcellus
40	6/23/2025	16638.66667	16474	36	Marcellus
41	6/24/2025	16438.66667	16274	36	Marcellus
42	6/24/2025	16238.66667	16074	36	Marcellus
43	6/25/2025	16038.66667	15874	36	Marcellus
44	6/25/2025	15838.66667	15674	36	Marcellus
45	6/26/2025	15638.66667	15474	36	Marcellus
46	6/26/2025	15438.66667	15274	36	Marcellus
47	6/26/2025	15238.66667	15074	36	Marcellus
48	6/27/2025	15038.66667	14874	36	Marcellus
49	6/27/2025	14838.66667	14674	36	Marcellus
50	6/28/2025	14638.66667	14474	36	Marcellus
51	6/28/2025	14438.66667	14274	36	Marcellus
52	6/29/2025	14238.66667	14074	36	Marcellus
53	6/29/2025	14038.66667	13874	36	Marcellus
54	6/30/2025	13838.66667	13674	36	Marcellus
55	6/30/2025	13638.66667	13474	36	Marcellus
56	6/30/2025	13438.66667	13274	36	Marcellus
57	7/1/2025	13238.66667	13074	36	Marcellus
58	7/1/2025	13038.66667	12874	36	Marcellus
59	7/2/2025	12838.66667	12674	36	Marcellus
60	7/2/2025	12638.66667	12474	36	Marcellus
61	7/3/2025	12438.66667	12274	36	Marcellus
62	7/3/2025	12238.66667	12074	36	Marcellus
63	7/4/2025	12038.66667	11874	36	Marcellus
64	7/4/2025	11838.66667	11674	36	Marcellus
65	7/5/2025	11638.66667	11474	36	Marcellus
66	7/5/2025	11438.66667	11274	36	Marcellus
67	7/5/2025	11238.66667	11074	36	Marcellus
68	7/6/2025	11038.66667	10874	36	Marcellus
69	7/6/2025	10838.66667	10674	36	Marcellus
70	7/7/2025	10638.66667	10474	36	Marcellus
71	7/7/2025	10438.66667	10274	36	Marcellus
72	7/8/2025	10238.66667	10074	36	Marcellus
73	7/8/2025	10038.66667	9874	36	Marcellus
74	7/8/2025	9838.66667	9674	36	Marcellus
75	7/9/2025	9638.66667	9474	36	Marcellus
76	7/9/2025	9438.66667	9274	36	Marcellus
77	7/10/2025	9238.66667	9074	36	Marcellus
78	7/10/2025	9038.66667	8874	36	Marcellus
79	7/11/2025	8838.66667	8674	36	Marcellus
80	7/12/2025	8638.66667	8474	36	Marcellus
81	7/12/2025	8438.66667	8274	36	Marcellus
82	7/13/2025	8238.66667	8074	36	Marcellus
83	7/13/2025	8038.66667	7874	36	Marcellus
84	7/14/2025	7838.66667	7674	36	Marcellus

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API 47-103-03694 Farm Name William Wade Fletcher Well Number Duke Unit 1H

EXHIBIT 2

Stage No.	Stimulations Date	Avg Pump Rate	Avg Treatment Pressure (PSI)	lvax Breakdown Pressure (PSI)	ISIP (PSI)	Amount of Proppant (lbs)	Amount of Water (bbls)	Amount of Nitrogen/ other (units)
1	6/5/2025	69.5	10097	7688	4352	128820	3982	N/A
2	6/6/2025	85.6	10586	8016	4442	413780	7222	N/A
3	6/6/2025	87.9	10640	6352	4549	412540	7259	N/A
4	6/7/2025	90.3	10661	6800	4630	418720	7380	N/A
5	6/8/2025	87.5	10707	8350	5084	410640	7112	N/A
6	6/8/2025	85.4	10597	7341	5284	408460	7175	N/A
7	6/8/2025	87.2	10663	8921	4923	410480	7117	N/A
8	6/9/2025	87.8	10856	6097	4314	413540	7279	N/A
9	6/10/2025	87.8	10414	6753	4712	413640	7171	N/A
10	6/10/2025	86.4	10654	7503	5273	408760	7100	N/A
11	6/11/2025	93.5	11110	7189	4915	419340	7296	N/A
12	6/11/2025	77.7	10620	7227	5015	415400	7372	N/A
13	6/12/2025	92	11145	5039	4376	411500	7205	N/A
14	6/12/2025	91.9	10977	7084	4095	414080	7001	N/A
15	6/13/2025	89.5	10854	8520	4593	414760	7185	N/A
16	6/14/2025	91.3	10792	6887	4840	412980	7051	N/A
17	6/14/2025	94.3	11023	6710	4480	405160	7035	N/A
18	6/15/2025	93.3	10663	6468	4682	410880	7122	N/A
19	6/15/2025	98.5	10964	6223	4096	414120	7217	N/A
20	6/16/2025	79.5	10284	6834	4690	412880	6992	N/A
21	6/16/2025	99.5	10981	7965	4684	394030	6885	N/A
22	6/17/2025	94.7	9844	7625	4572	410940	6968	N/A
23	6/17/2025	98.2	10299	9333	4747	411020	7042	N/A
24	6/18/2025	93	10001	6840	4756	415920	7162	N/A
25	6/18/2025	93.2	10720	8674	4629	414280	7173	N/A
26	6/19/2025	74.6	9204	7472	4801	413800	7159	N/A
27	6/19/2025	71.7	9403	6211	5283	408120	9847	N/A
28	6/20/2025	85.2	9485	6683	4797	411780	7165	N/A
29	6/20/2025	85.3	9611	6675	5143	410660	10249	N/A
30	6/21/2025	92.8	10153	7060	5055	390960	6996	N/A
31	6/21/2025	91.4	9875	6392	4915	407860	6988	N/A
32	6/21/2025	83.5	9256	7662	4966	416480	7211	N/A
33	6/21/2025	86.2	9037	6819	4974	412540	7064	N/A
34	6/21/2025	88.6	9121	5798	5145	416460	7132	N/A
35	6/21/2025	94	9781	7020	4492	411060	7042	N/A
36	6/22/2025	86.1	9037	5927	4898	416080	7127	N/A
37	6/22/2025	92.8	9632	6847	4561	418420	7093	N/A
38	6/23/2025	94.2	9772	5110	5443	417490	7035	N/A
39	6/23/2025	84.4	8630	4344	5305	395740	9843	N/A
40	6/23/2025	89.8	10010	6789	4985	414080	7948	N/A
41	6/24/2025	96.1	9778	7223	5032	411940	6990	N/A
42	6/24/2025	93.8	9442	7350	5062	418900	7100	N/A
43	6/25/2025	95.9	9918	5099	5328	396680	6796	N/A
44	6/25/2025	95.3	9746	8228	4893	415040	7029	N/A
45	6/26/2025	90.1	8896	7659	4687	416840	7117	N/A
46	6/26/2025	97	9705	8677	5078	396480	6795	N/A
47	6/26/2025	85.3	8952	7770	5273	414620	7034	N/A
48	6/27/2025	96	9634	6985	5060	372500	6927	N/A
49	6/27/2025	94	8974	6032	5465	418080	7069	N/A
50	6/28/2025	89.7	8942	7048	4451	395280	6826	N/A
51	6/28/2025	94.5	9564	7787	4726	415820	6909	N/A
52	6/29/2025	99.6	9344	6737	4695	416320	6994	N/A
53	6/29/2025	98.9	9238	7215	4938	415940	6970	N/A
54	6/30/2025	92.7	8671	6771	4811	414140	7061	N/A
55	6/30/2025	95.8	9086	6477	4966	416320	6923	N/A
56	6/30/2025	90.5	9668	7149	5033	412320	6885	N/A
57	7/1/2025	88	9445	7793	4598	411320	6900	N/A
58	7/1/2025	90.7	8841	7514	4857	410400	7101	N/A
59	7/2/2025	99.2	9274	6227	4448	396380	6796	N/A
60	7/2/2025	91.1	8844	7324	4916	415460	6785	N/A
61	7/3/2025	91.4	9363	7194	4791	412700	6875	N/A
62	7/3/2025	92.6	9149	7613	4981	416220	6914	N/A
63	7/4/2025	99.1	8988	7723	4705	415160	6946	N/A
64	7/4/2025	91.4	8783	6841	4780	396760	6673	N/A
65	7/5/2025	99.2	8925	7035	4722	416280	6822	N/A
66	7/5/2025	95.5	8873	6683	4969	395660	6701	N/A
67	7/5/2025	99.6	8813	7260	4976	418880	6797	N/A
68	7/6/2025	91.4	8429	6492	5049	416800	6862	N/A
69	7/6/2025	98.3	8789	6578	4807	414980	6811	N/A
70	7/7/2025	89.5	9430	7591	4796	412860	7967	N/A
71	7/7/2025	87.8	8821	6524	4990	410560	6770	N/A
72	7/8/2025	87	8945	7851	5000	413640	8820	N/A
73	7/8/2025	95.3	8956	6590	4637	407340	6780	N/A
74	7/8/2025	88.9	8073	7589	4538	414460	6886	N/A
75	7/9/2025	97.7	8230	6734	4597	414080	6979	N/A
76	7/9/2025	94.1	7754	4864	4397	395720	6881	N/A
77	7/10/2025	95.5	8499	7941	3939	392420	6668	N/A
78	7/10/2025	87.5	7957	4678	4166	396760	6712	N/A
79	7/11/2025	93.3	7872	4300	4446	394520	6634	N/A
80	7/12/2025	99.7	9222	5446	4653	392460	6607	N/A
81	7/12/2025	83.8	7866	7028	5061	394280	6284	N/A
82	7/13/2025	99	8588	5985	4962	401600	6743	N/A
83	7/13/2025	98.8	8171	6010	5283	397160	6761	N/A
84	7/14/2025	90.8	7949	6803	4412	394160	6790	N/A
AVERAGE		91.2	9,531	6,925	4,803	34,094,440	596,092	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, rr - occ Siltstone	684	774	684	774
Silty Sandstone	774	874	774	874
Silty Sandstone, tr LS	874	1,124	874	1,124
Siltstone, rr SS, rr LS	974	1,174	974	1,174
Sandy Siltstone, rr LS	1,124	1,174	1,124	1,174
Sandy Siltstone, tr LS	1,174	1,224	1,174	1,224
Siltstone, rr SS	1,224	1,324	1,224	1,324
Sandy Siltstone	1,324	1,424	1,324	1,424
Siltstone, rr SS	1,424	1,474	1,424	1,474
Sandy Siltstone, tr shale	1,474	1,674	1,474	1,674
Siltstone, rr Shale, rr SS	1,674	1,724	1,674	1,724
Sandy Siltstone, rr Shale	1,724	1,824	1,724	1,824
Siltstone, rr SS	1,824	1,874	1,824	1,874
Siltstone, rr SS, tr Shale	1,874	2,024	1,874	2,024
Sandy Siltstone, rr LS	2,024	2,145	2,024	2,192
Big Lime	2,171	2,998	2,192	3,089
Fifty Foot Sandstone	2,998	3,054	3,063	3,148
Gordon	3,054	3,302	3,122	3,407
Fifth Sandstone	3,302	3,644	3,381	3,766
Bayard	3,644	4,033	3,740	4,176
Speechley	4,033	4,194	4,150	4,345
Balltown	4,194	4,661	4,319	4,838
Bradford	4,661	5,227	4,812	5,431
Benson	5,227	5,680	5,405	5,909
Alexander	5,680	6,874	5,883	7,204
Sycamore	6719	6848	7011	7178
Middlesex	6848	6946	7178	7339
Burkett	6946	6975	7339	7395
Tully	6975	7056	7395	7626
Marcellus	7056	NA	7626	NA

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Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	06/05/2025
Job End Date:	07/14/2025
State:	West Virginia
County:	Wetzel
API Number:	47-103-03694-00-00
Operator Name:	Antero Resources Corporation
Well Name and Number:	Duke Unit 1H
Latitude:	39.56781
Longitude:	-80.712831
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	7081
Total Base Water Volume (gal)*:	26308632
Total Base Non Water Volume:	0



Water Source	Percent
Groundwater, < 1000TDS	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
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 150CE-15	NexTier Completions Solutions	Friction Reducer					
SlickStim 300-CE-7	NexTier Completions	Friction Reducer					

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	Solutions						
StimBreak Encap APB LT	NexTier Completions Solutions	Breaker					
ViscStim 300CE-113	NexTier Completions Solutions	Friction Reducer					
Water	Operator	Carrier Fluid					
Items above are Trade Names. Items below are the individual ingredients.							
			Water	7732-18-5	100.00000	86.08503	
			Crystalline Silica	14808-60-7	99.90000	13.41410	
			Water	7732-18-5	85.00000	0.34833	
			Hydrochloric Acid	7647-01-0	15.00000	0.06147	
			Chemplex-Polymer-00019	Proprietary	40.00000	0.02204	
			Isoalkanes	6742-47-8	30.00000	0.01653	
			Aluminum Oxide	1344-28-1	0.10000	0.01343	
			Glutaraldehyde	111-30-8	30.00000	0.00282	
			Chemplex-surfactant-00015	Proprietary	5.00000	0.00275	
			Distillates (Petroleum), Hydrotreated Light	64742-47-8	50.00000	0.00239	
			Distillates (petroleum), hydrotreated light	64742-47-8	30.00000	0.00202	
			Chemplex-surfactant-00021	Proprietary	3.00000	0.00165	
			Chemplex-Polymer-00019	Proprietary	20.00000	0.00135	
			Ammonium Persulfate	7727-54-0	90.00000	0.00055	
			Alkyl (C12-16) dimethylbenzylammonium chloride	68424-85-1	5.00000	0.00047	
			1-Decanaminium, N-decyl-N,N-dimethyl-,chloride	7173-51-5	5.00000	0.00047	
			ammonium chloride	12125-02-9	5.00000	0.00034	
			alcohols, C12-16, ethoxylated	68551-12-2	5.00000	0.00034	
			oleic acid diethanolamide	93-83-4	5.00000	0.00034	
			Bentonite	1302-78-9	5.00000	0.00024	
			Alkoxylated Isodecyl Alcohol	154518-36-2	5.00000	0.00024	
			Distillates (petroleum), hydrotreated light	64742-47-8	30.00000	0.00019	
			Ethylene glycol	107-21-1	45.00000	0.00018	
			Glycol Ether EB	111-76-2	45.00000	0.00018	
			N,N-Dimethylformamide	68-12-2	20.00000	0.00008	

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			Tar bases,quinoline derivs.,benzyl chloride-quaternized	72480-70-7	20.00000	0.00008	
			Water	7732-18-5	15.00000	0.00006	
			Cinnamaldehyde	104-55-2	10.00000	0.00004	
			Nonylphenol ethoxylated	127087-87-0	10.00000	0.00004	
			Alcohols, C6-12	68603-15-6	10.00000	0.00004	
			Alcohols, C11-14-iso-, C13-rich, ethoxylated	78330-21-9	5.00000	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)

8,479' to Bottom Hole

1,318' to Top Hole

TOP HOLE LATITUDE 39 - 35 - 00

BTM HOLE LATITUDE 39 - 37 - 30

LONGITUDE 80 - 42 - 30

5,686' to Top Hole

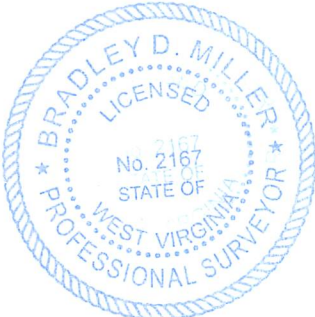
5,829' to Bottom Hole



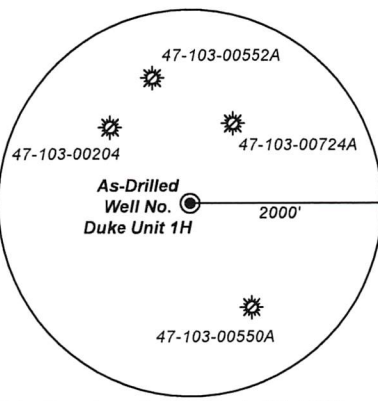
Top Hole Coordinates, As-drilled data, and information was provided by Antero Resources Corporation. Allegany Surveys Inc. (ASI) is not certifying the data and information provided. ASI is not responsible for any errors or inaccuracies with the data and information that has been provided.

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.

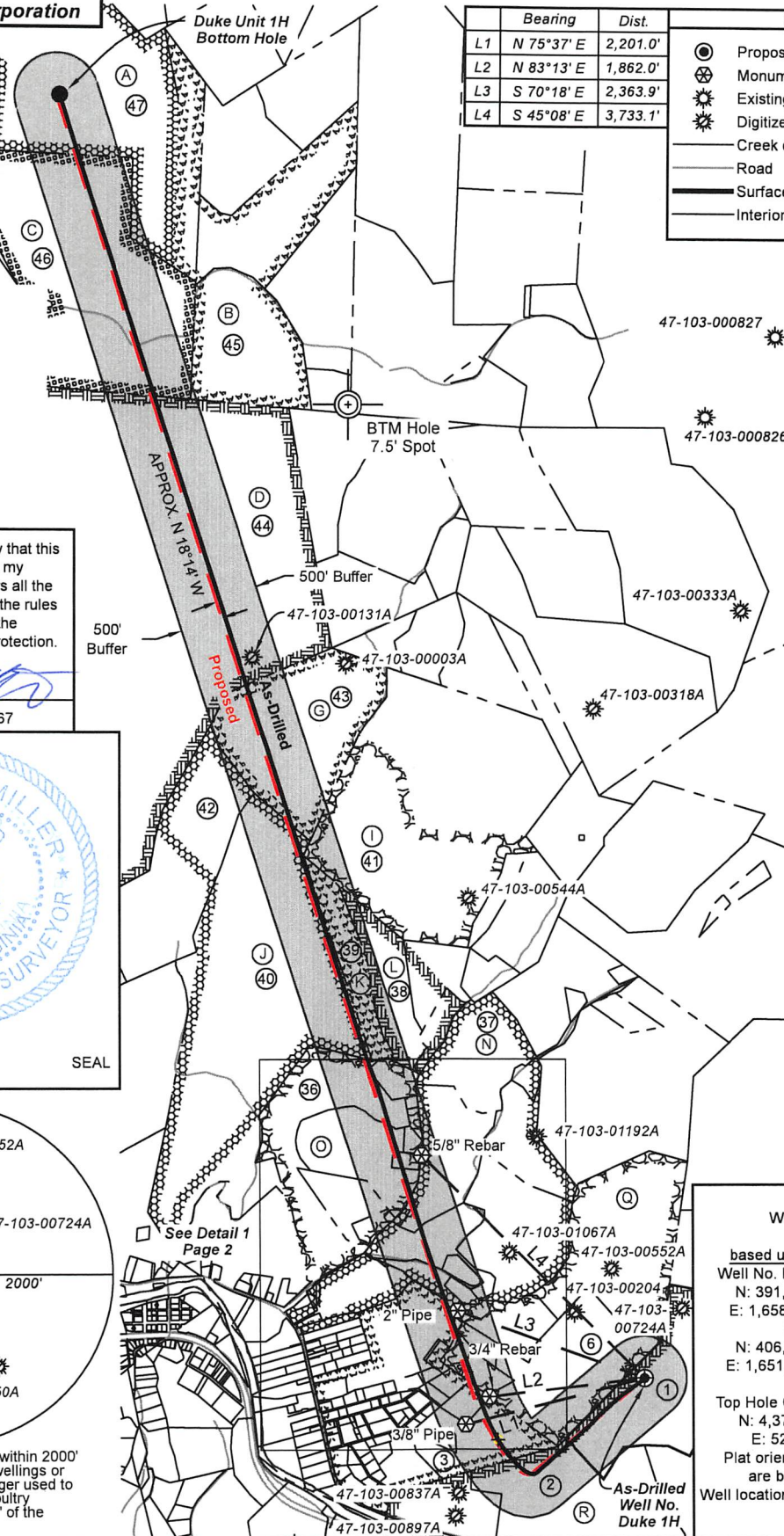
Bradley D. Miller
 Bradley D. Miller, P.S. 2167



SEAL



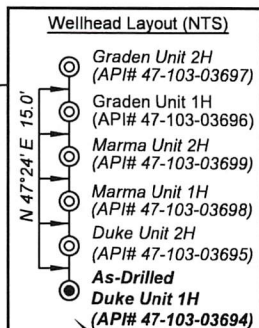
Note: No water wells were found within 2000' of proposed well. No occupied dwellings or buildings 2,500 square feet or larger used to house or shelter dairy cattle or poultry husbandry are located within 625' of the center of the well pad.



	Bearing	Dist.
L1	N 75°37' E	2,201.0'
L2	N 83°13' E	1,862.0'
L3	S 70°18' E	2,363.9'
L4	S 45°08' E	3,733.1'

Legend

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



Notes:
 Well No. Duke Unit 1H
 As-Drilled POE Coordinates
 WV Coordinate System of 1927, North Zone
 N: 390,471.33'
 E: 1,656,303.23'
 Lat: 39°33'56.41"
 Lon: 80°43'08.99"
 UTM Zone 17, NAD 1983
 N: 4,379,599.132m
 E: 524,138.772m

Notes
 West Virginia Coordinate System of 1927, North Zone
 based upon Differential GPS Measurements.
 Well No. Duke Unit 1H Top Hole coordinates are
 N: 391,195.94' Latitude: 39°34'03.80"
 E: 1,658,048.55' Longitude: 80°42'46.83"
 Bottom Hole coordinates are
 N: 406,325.74' Latitude: 39°36'32.39"
 E: 1,651,090.16' Longitude: 80°44'18.34"
 UTM Zone 17, NAD 1983
 Top Hole Coordinates Bottom Hole Coordinates
 N: 4,379,828.781m N: 4,384,402.757m
 E: 524,666.830m E: 522,470.096m
 Plat orientation and corner and well references are based upon the grid north meridian.
 Well location references are based upon the magnetic meridian.

FILE NO: 118-34-G-18
 DRAWING NO: Duke Unit 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: November 21 2025
 OPERATOR'S WELL NO. Duke Unit 1H
 API WELL NO
 47 - 103 - 03694
 STATE COUNTY PERMIT

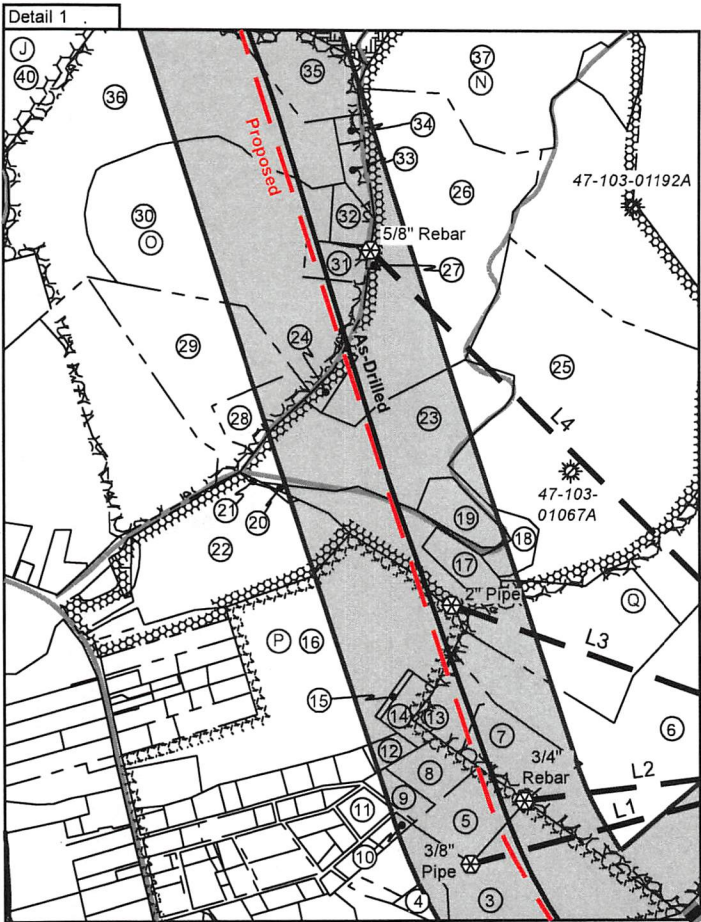
WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF GAS) PRODUCTION: STORAGE DEEP SHALLOW

LOCATION: ELEVATION: As-Built 1,248 WATERSHED: Fishing Creek QUADRANGLE: Pine Grove
 DISTRICT: Green COUNTY: Wetzel 03/20/2026
 SURFACE OWNER: Dallison Lumber Company ACREAGE: 51.50
 ROYALTY OWNER: Jenkins Miller LEASE NO: ACREAGE: 200
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) As-Drilled 7,065' TVD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 24,349' 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	Sylvia Jean Highley
B	Belinda K. Harrison
C	Elizabeth P. Orner
D	Shiben Estates, Inc.
G	Russell T. Powell
I	Acropolis, Inc.
J	Thelma Nell Palmer
K	WSD Properties
L	Antero Minerals, LLC
N	Antero Minerals, LLC
O	Antero Minerals, LLC
P	Antero Minerals, LLC
Q	Antero Minerals, LLC
R	Jenkins Miller



ID	TM-Par	Owner	Bk/Pg	Acres
1	14-19	Dallson Lumber Company	357/267	51.50
2	13-83	Michelle L. Igleheart	493/370	58.00
3	13-54	Kenneth & Loraine Highley	230/93	20.17
4	13-54.1	Cshawn L. & Donald L. Smith	506/932	1.05
5	13-54.2	Ronald M. & Pamela Ann Jackson	315/524	3.35
6	13-40	Kenneth E. & Vicky A. VanDyne	357/204	42.33
7	13-39	Ruth E. Staley	512/286	3.13
8	13-37	Helen, Chad, Cathy Jo & Jeffrey D. Brown	398/447	2.00
9	13-37.1	Jeffrey D. Brown	394/491	1.00
10	13-53.3	Deborah Fluharty & Kimberly Henderson	453/149	0.46
11	13-52	Jaysha S. Thomson	509/56	0.92
12	13-33.5	Terrell K. Haught & Lula D. Love	370/320	0.72
13	13-38	Elizabeth K. Jackson	512/476	2.55
14	13-33.4	Francis Lee & Mary F. Arnolds	379/187	1.29
15	13-33.2	Francis Lee & Mary F. Arnolds	379/187	0.21
16	13-33.11	Richard D. & Jacqueline M. Bucher	372/601	24.00
17	13-34.1	John Michael & Stanley Dale Pittman	458/837	1.50
18	13-26.1	John Michael & Stanley Dale Pittman	458/837	1.50
19	13-26.8	Robert N. & Joyce E. C. Edgell	312/523	2.01
20	13-34	Kenneth E. & Vicky A. VanDyne	357/204	14.50
21	13-26.4	Tyler C. & Lily M. Williams	504/645	0.30
22	13-32.3	Wetzel County Board of Education	282/414	12.39
23	13-26.5	Stanley D. & Mary Jo Pittman	284/657	14.72
24	13-26.3	Chad Andrew Pittman & Andrea Danielle Highley	395/636	0.68
25	13-26	John M. & Stanley D. Pittman	458/837	30.52
26	13-26.6	Stanley & Mary Jo Pittman	284/657	27.38
27	13-26.9	James Daniel & Virginia C. Streets	387/583	0.10
28	13-25.1	Derris & Diane Howell	289/271	2.37
29	13-25.2	Diane K. Howell	416/682	10.21
30	13-14.6	Ronald Scott Anderson	393/630	21.00
31	13-14.1	Geoffrey Scott & Misty Richmond	514/323	1.40
32	13-14.5	Donald L. & Ellen H. Anderson	335/203	1.50
33	13-14.4	Jack & Neal A. Cain	401/433	0.62
34	13-14.2	Jack & Neal A. Cain	401/433	0.42
35	13-15	Blue Racer Midstream, LLC	452/542	22.59
36	13-14.3	Robert & Thomas Adams	W116/19	4.88
37	13-14	Ronald Scott Anderson	399/387	32.80
38	13-8	Richard W. Roberts & Justin W. Roberts	394/526	22.00
39	9-51	WSD Properties LLC	441/770	13.50
40	13-7	WSD Properties LLC	441/793	162.00
41	9-42	WSD Properties LLC	441/793	149.00
42	8-41	Nancy B. Hatfield	267/370	60.00
43	9-41	WSD Properties LLC	441/793	48.00
44	8-28	Teresa Ann Ice	494/650	449.48
45	8-8	Belinda Harrison	493/544	38.75
46	3-37	Richard D. Hornbeck	483/191	118.00
47	3-28	Richard D. Hornbeck	483/191	120.00

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