

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
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API 47-103-03697 County Wetzel District Green
Quad Pine Grove 7.5' Pad Name Cedar Field/Pool Name -----
Farm name Dallison Lumber Company Well Number Graden Unit 2H
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 4379844.563m Easting 524683.365m
Landing Point of Curve Northing 4380191.36m Easting 525244.07m
Bottom Hole Northing 4384842.6m Easting 523670.137m

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 3/19/2025
Date completion activities began 6/6/2025 Date completion activities ceased 8/13/2025
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:

[Signature]
01/20/2026

03/20/2026

API 47-103-03697 Farm name Dallison Lumber Company Well number Graden Unit 2H

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"	710'	New	54.5#, J-55	N/A	Y
Coal							
Intermediate 1	12-1/4"	9-5/8"	3493'	New	36#, P-110	N/A	Y
Intermediate 2							
Intermediate 3							
Production	8-3/4"/8-1/2"	5-1/2"	24561'	New	23#, P-110	N/A	Y
Tubing		2-3/8"	7464'		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	635 sx	15.6	1.19	756	0'	8 Hrs.
Coal							
Intermediate 1	Class A	1180 sx	15.6	1.18	1392	0'	8 Hrs.
Intermediate 2							
Intermediate 3							
Production	Class H	4324 sx (Tail)	13.5 (Spacer), 15.2(Tail)	1.26 (Tail)	5448	~500' into Intermediate Casing	8 Hrs.
Tubing							

Drillers TD (ft) 24,561' MD, 7,127' TVD (BHL), 7,131' TVD (Deepest Point Drilled) Loggers TD (ft) 24,531' MD
 Deepest formation penetrated Marcellus Plug back to (ft) N/A
 Plug back procedure N/A

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Kick off depth (ft) 6,709'

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

Handwritten signature and date

API 47- 103 - 03697 Farm name Dallison Lumber Company Well number Graden Unit 2H

<u>PRODUCING FORMATION(S)</u>	<u>DEPTHS</u>	
<u>Marcellus</u>	<u>7,105' (TOP) TVD</u>	<u>7,725' (TOP) MD</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

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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 16,112.46 mcfpd Oil 594.63 bpd NGL _____ bpd Water 923.91 bpd
GAS MEASURED BY Estimated Orifice Pilot

LITHOLOGY/ FORMATION	TOP	BOTTOM	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**

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 [Signature] Title Permitting Agent Date 12/9/25

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

03/20/2026
[Handwritten Signature]
01/21/26

API 47-103-03697 Farm Name William Wade Fletcher Well Number Graden Unit 2H

EXHIBIT 1

Stage No.	Perforation Date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formations
1	6/6/2025	24505	24489	36	Marcellus
2	6/6/2025	24450.7877	24286.7262	36	Marcellus
3	6/7/2025	24251.51389	24087.4524	36	Marcellus
4	6/8/2025	24052.24008	23888.1786	36	Marcellus
5	6/8/2025	23852.96627	23688.9048	36	Marcellus
6	6/8/2025	23653.69246	23489.631	36	Marcellus
7	6/9/2025	23454.41865	23290.3571	36	Marcellus
8	6/10/2025	23255.14484	23091.0833	36	Marcellus
9	6/10/2025	23055.87103	22891.8095	36	Marcellus
10	6/11/2025	22856.59722	22692.5357	36	Marcellus
11	6/11/2025	22657.32341	22493.2619	36	Marcellus
12	6/12/2025	22458.0496	22293.9881	36	Marcellus
13	6/12/2025	22258.77579	22094.7143	36	Marcellus
14	6/13/2025	22059.50198	21895.4405	36	Marcellus
15	6/13/2025	21860.22817	21696.1667	36	Marcellus
16	6/14/2025	21660.95437	21496.8929	36	Marcellus
17	6/14/2025	21461.68056	21297.619	36	Marcellus
18	6/15/2025	21262.40675	21098.3452	36	Marcellus
19	6/15/2025	21063.13294	20899.0714	36	Marcellus
20	6/16/2025	20863.85913	20699.7976	36	Marcellus
21	6/17/2025	20664.58532	20500.5238	36	Marcellus
22	6/17/2025	20465.31151	20301.25	36	Marcellus
23	6/17/2025	20266.0377	20101.9762	36	Marcellus
24	6/18/2025	20066.76389	19902.7024	36	Marcellus
25	6/19/2025	19867.49008	19703.4286	36	Marcellus
26	6/19/2025	19668.21627	19504.1548	36	Marcellus
27	6/20/2025	19468.94246	19304.881	36	Marcellus
28	6/21/2025	19269.66865	19105.6071	36	Marcellus
29	6/22/2025	19070.39484	18906.3333	36	Marcellus
30	6/22/2025	18871.12103	18707.0595	36	Marcellus
31	6/24/2025	18671.84722	18507.7857	36	Marcellus
32	6/25/2025	18472.57341	18308.5119	36	Marcellus
33	6/25/2025	18273.2996	18109.2381	36	Marcellus
34	6/26/2025	18074.02579	17909.9643	36	Marcellus
35	6/26/2025	17874.75198	17710.6905	36	Marcellus
36	6/27/2025	17675.47817	17511.4167	36	Marcellus
37	6/27/2025	17476.20437	17312.1429	36	Marcellus
38	6/28/2025	17276.93056	17112.869	36	Marcellus
39	6/28/2025	17077.65675	16913.5952	36	Marcellus
40	6/29/2025	16878.38294	16714.3214	36	Marcellus
41	6/29/2025	16679.10913	16515.0476	36	Marcellus
42	6/30/2025	16479.83532	16315.7738	36	Marcellus
43	6/30/2025	16280.56151	16116.5	36	Marcellus
44	6/30/2025	16081.2877	15917.2262	36	Marcellus
45	7/1/2025	15882.01389	15717.9524	36	Marcellus
46	7/1/2025	15682.74008	15518.6786	36	Marcellus
47	7/2/2025	15483.46627	15319.4048	36	Marcellus
48	7/2/2025	15284.19246	15120.131	36	Marcellus
49	7/3/2025	15084.91865	14920.8571	36	Marcellus
50	7/3/2025	14885.64484	14721.5833	36	Marcellus
51	7/4/2025	14686.37103	14522.3095	36	Marcellus
52	7/4/2025	14487.09722	14323.0357	36	Marcellus
53	7/4/2025	14287.82341	14123.7619	36	Marcellus
54	7/5/2025	14088.5496	13924.4881	36	Marcellus
55	7/5/2025	13889.27579	13725.2143	36	Marcellus
56	7/6/2025	13690.00198	13525.9405	36	Marcellus
57	7/6/2025	13490.72817	13326.6667	36	Marcellus
58	7/7/2025	13291.45437	13127.3929	36	Marcellus
59	7/7/2025	13092.18056	12928.119	36	Marcellus
60	7/7/2025	12892.90675	12728.8452	36	Marcellus
61	7/8/2025	12693.63294	12529.5714	36	Marcellus
62	7/8/2025	12494.35913	12330.2976	36	Marcellus
63	7/9/2025	12295.08532	12131.0238	36	Marcellus
64	7/9/2025	12095.81151	11931.75	36	Marcellus
65	7/10/2025	11896.5377	11732.4762	36	Marcellus
66	7/10/2025	11697.26389	11533.2024	36	Marcellus
67	7/10/2025	11497.99008	11333.9286	36	Marcellus
68	7/11/2025	11298.71627	11134.6548	36	Marcellus
69	7/12/2025	11099.44246	10935.381	36	Marcellus
70	7/13/2025	10900.16865	10736.1071	36	Marcellus
71	7/13/2025	10700.89484	10536.8333	36	Marcellus
72	7/14/2025	10501.62103	10337.5595	36	Marcellus
73	7/14/2025	10302.34722	10138.2857	36	Marcellus
74	7/14/2025	10103.07341	9939.0119	36	Marcellus
75	7/15/2025	9903.799603	9739.7381	36	Marcellus
76	7/15/2025	9704.525794	9540.46429	36	Marcellus
77	7/16/2025	9505.251984	9341.19048	36	Marcellus
78	7/16/2025	9305.978175	9141.91667	36	Marcellus
79	7/16/2025	9106.704365	8942.64286	36	Marcellus
80	7/16/2025	8907.430556	8743.36905	36	Marcellus
81	7/17/2025	8708.156746	8544.09524	36	Marcellus
82	7/17/2025	8508.882937	8344.82143	36	Marcellus
83	7/17/2025	8309.609127	8145.54762	36	Marcellus
84	7/17/2025	8110.335317	7946.27381	36	Marcellus
85	7/17/2025	7911.061508	7747	36	Marcellus

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EXHIBIT 2

Stage No.	Stimulations Date	Avg Pump Rate	Avg Treatment Pressure (PSI)	Breakdown Pressure (PSI)	ISIP (PSI)	Amount of Proppant (lbs)	Amount of Water (bbbls)	Amount of Nitrogen/ other (units)
1	6/6/2025	76.6	10223	11299	5218	130980	3578	N/A
2	6/6/2025	91.5	10894	8648	5166	414660	7223	N/A
3	6/7/2025	87.5	10682	8241	4585	405100	7374	N/A
4	6/8/2025	86.2	10638	8503	4718	413600	7846	N/A
5	6/8/2025	86.4	10657	7677	4999	406740	7247	N/A
6	6/8/2025	88.1	10507	8333	4655	417460	7166	N/A
7	6/9/2025	85.6	10685	5741	4212	392500	7150	N/A
8	6/10/2025	85.2	10113	8473	4664	408140	9167	N/A
9	6/10/2025	85.8	10711	7625	5749	413420	7170	N/A
10	6/11/2025	89.9	10893	6613	4108	409100	7039	N/A
11	6/11/2025	89.8	10984	7789	4655	416360	6958	N/A
12	6/12/2025	89.8	10859	7061	4754	411860	7197	N/A
13	6/12/2025	95.1	10988	6286	5129	412020	7118	N/A
14	6/13/2025	95.8	11198	7219	5001	419020	7237	N/A
15	6/13/2025	93.1	10552	6866	4488	413260	7017	N/A
16	6/14/2025	92.5	10714	5756	4522	412420	7173	N/A
17	6/14/2025	91.6	10662	4237	4767	395280	6937	N/A
18	6/15/2025	95.7	11201	5687	4493	415220	7087	N/A
19	6/15/2025	96.8	11032	6948	5050	411160	7001	N/A
20	6/16/2025	100	10934	5732	4450	415160	7155	N/A
21	6/17/2025	96.9	10422	7139	4887	412700	7091	N/A
22	6/17/2025	96.7	10300	8915	4603	413300	7077	N/A
23	6/17/2025	97.4	10354	7045	5245	408860	6950	N/A
24	6/18/2025	94.8	10656	6724	4091	397640	6977	N/A
25	6/19/2025	95.4	10981	6713	4800	407640	6888	N/A
26	6/19/2025	91.4	10813	9185	4544	410800	7032	N/A
27	6/20/2025	94.6	10644	7005	4892	408580	7012	N/A
28	6/21/2025	97.3	10512	6361	4919	394900	7236	N/A
29	6/22/2025	90.5	9942	7433	4663	416020	7019	N/A
30	6/22/2025	93.5	10076	7264	5065	413100	7007	N/A
31	6/24/2025	96.4	10306	6821	4802	407840	6905	N/A
32	6/25/2025	95.4	10588	7180	4952	420600	7048	N/A
33	6/25/2025	89.9	9466	6358	4957	413520	7020	N/A
34	6/26/2025	97.9	10215	8091	4985	417620	7098	N/A
35	6/26/2025	95.9	10095	6666	5003	416540	7065	N/A
36	6/27/2025	98.4	10442	8165	4850	415220	6965	N/A
37	6/27/2025	83.7	9370	7056	4689	417900	8024	N/A
38	6/28/2025	94.1	9529	6857	5425	394360	6923	N/A
39	6/28/2025	99.1	10443	8327	4626	414300	6912	N/A
40	6/29/2025	95.6	9944	8635	4722	413020	6982	N/A
41	6/29/2025	94.9	10098	9466	4729	394120	6797	N/A
42	6/30/2025	94.5	9826	6566	4997	417240	7074	N/A
43	6/30/2025	98.9	10197	7312	4684	398100	6860	N/A
44	6/30/2025	99.6	10296	7564	4962	415720	6989	N/A
45	7/1/2025	97.5	10236	6386	5148	403920	6927	N/A
46	7/1/2025	98.8	10134	7506	5256	415420	6983	N/A
47	7/2/2025	98.4	10106	6317	4688	394140	6783	N/A
48	7/2/2025	94.1	9729	7235	5155	396420	6723	N/A
49	7/3/2025	98.8	10127	6885	5250	398580	6709	N/A
50	7/3/2025	93.9	9591	7328	4745	395980	6859	N/A
51	7/4/2025	99.5	10109	8169	4817	397980	6800	N/A
52	7/4/2025	91.8	9504	7628	4599	414020	6889	N/A
53	7/4/2025	99.5	10142	8174	4887	392060	6670	N/A
54	7/5/2025	94.1	10249	7892	4953	398200	6719	N/A
55	7/5/2025	99.5	10068	6950	3901	416040	6938	N/A
56	7/6/2025	99.1	10180	8498	4635	410920	6873	N/A
57	7/6/2025	99.2	9452	6654	5064	395980	6653	N/A
58	7/7/2025	96.3	9581	8879	4594	407160	6864	N/A
59	7/7/2025	93.2	9627	7049	5003	396340	6665	N/A
60	7/7/2025	94.3	9993	8508	4864	393160	6710	N/A
61	7/8/2025	96.4	9988	6857	5459	414660	6767	N/A
62	7/8/2025	89.8	9043	6849	5014	400900	6726	N/A
63	7/9/2025	98.4	9301	6177	4585	398660	6973	N/A
64	7/9/2025	94	8891	7223	8583	394880	6644	N/A
65	7/10/2025	86.6	9120	7868	4631	411420	7073	N/A
66	7/10/2025	97.4	9762	5640	4537	415660	6841	N/A
67	7/10/2025	95.7	9574	6468	4626	393580	6614	N/A
68	7/11/2025	96.8	9621	7240	3933	396780	6578	N/A
69	7/12/2025	97	9679	5961	4909	401760	6676	N/A
70	7/13/2025	96.8	9834	7622	5147	397240	6698	N/A
71	7/13/2025	98	9455	6205	5143	406440	6733	N/A
72	7/14/2025	91.1	9038	6241	4647	416860	6749	N/A
73	7/14/2025	95.7	8711	6631	4803	415900	6940	N/A
74	7/14/2025	99.3	8621	4585	4620	416220	6995	N/A
75	7/15/2025	92.2	8335	6768	4488	396160	6661	N/A
76	7/15/2025	92.3	8286	7427	4738	400480	6759	N/A
77	7/16/2025	92.7	8544	6178	4708	393820	6683	N/A
78	7/16/2025	94.7	8787	7002	4860	411960	7026	N/A
79	7/16/2025	98	8703	6672	4410	407620	7170	N/A
80	7/16/2025	93.3	8450	6771	4858	392280	6664	N/A
81	7/17/2025	92.4	8042	5217	4445	389520	6671	N/A
82	7/17/2025	93.8	8099	6242	4985	395860	6748	N/A
83	7/17/2025	99.2	8149	6935	4685	394840	6756	N/A
84	7/17/2025	98.5	7861	6461	4684	398707	6731	N/A
85	7/17/2025	99.1	7773	5825	4626	396100	6925	N/A
AVERAGE		94.3	9,896	7,138	4,837	34,257,727	589,357	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	684	684	774
Silty Sandstone	774	774	774	874
Silty Sandstone, tr LS	874	874	874	1,124
Siltstone, rr SS, rr LS	974	974	974	1,174
Sandy Siltstone, rr LS	1,124	1,124	1,124	1,174
Sandy Siltstone, tr LS	1,174	1,174	1,174	1,224
Siltstone, rr SS	1,224	1,224	1,224	1,324
Sandy Siltstone	1,324	1,324	1,324	1,424
Siltstone, rr SS	1,424	1,424	1,424	1,474
Sandy Siltstone, tr shale	1,474	1,474	1,474	1,674
Siltstone, rr Shale, rr SS	1,674	1,674	1,674	1,724
Sandy Siltstone, rr Shale	1,724	1,724	1,724	1,824
Siltstone, rr SS	1,824	1,824	1,824	1,874
Siltstone, rr SS, tr Shale	1,874	1,874	1,874	2,024
Sandy Siltstone, rr LS	2,024	2,024	2,024	2,209
Big Lime	2,171	2,171	2,209	3,108
Fifty Foot Sandstone	2,991	2,991	3,082	3,178
Gordon	3,057	3,057	3,152	3,438
Fifth Sandstone	3,303	3,303	3,412	3,795
Bayard	3,642	3,642	3,769	4,207
Speechley	4,024	4,024	4,181	4,379
Balltown	4,185	4,185	4,353	4,869
Bradford	4,652	4,652	4,843	5,474
Benson	5,224	5,224	5,448	5,960
Alexander	5,680	5,680	5,934	7,282
Sycamore	6,730	6,730	7,088	7,256
Middlesex	6,862	6,862	7,256	7,405
Burkett	6,960	6,960	7,405	7,461
Tully	6,990	6,990	7,461	7,699
Marcellus	7,079	7,079	7,699	NA

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Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	06/06/2025
Job End Date:	07/17/2025
State:	West Virginia
County:	Wetzel
API Number:	47-103-03697-00-00
Operator Name:	Antero Resources Corporation
Well Name and Number:	Graden Unit 2H
Latitude:	39.567952
Longitude:	-80.712637
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	7116
Total Base Water Volume (gal)*:	26045166
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					
StimBreak Encap APB	NexTier Completions	Breaker					

03/20/2026

LT	Solutions						
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	86.01089	
			Crystalline Silica	14808-60-7	99.90000	13.58883	
			Water	7732-18-5	85.00000	0.26553	
			Hydrochloric Acid	7647-01-0	15.00000	0.04686	
			Chemplex-Polymer-00019	Proprietary	40.00000	0.01950	
			Isoalkanes	6742-47-8	30.00000	0.01462	
			Aluminum Oxide	1344-28-1	0.10000	0.01360	
			Distillates (petroleum), hydrotreated light	64742-47-8	30.00000	0.00427	
			Chemplex-Polymer-00019	Proprietary	20.00000	0.00285	
			Glutaraldehyde	111-30-8	30.00000	0.00264	
			Chemplex-surfactant-00015	Proprietary	5.00000	0.00244	
			Chemplex-surfactant-00021	Proprietary	3.00000	0.00146	
			Distillates (Petroleum), Hydrotreated Light	64742-47-8	50.00000	0.00100	
			ammonium chloride	12125-02-9	5.00000	0.00071	
			alcohols, C12-16, ethoxylated	68551-12-2	5.00000	0.00071	
			oleic acid diethanolamide	93-83-4	5.00000	0.00071	
			Alkyl (C12-16) dimethylbenzylammonium chloride	68424-85-1	5.00000	0.00044	
			1-Decanaminium, N-decyl- N,N-dimethyl-,chloride	7173-51-5	5.00000	0.00044	
	RECEIVED Office of Oil and Gas		Ammonium Persulfate	7727-54-0	90.00000	0.00022	
	DEC 11 2025		Ethylene glycol	107-21-1	45.00000	0.00013	
	WV Department of Environmental Protection		Glycol Ether EB	111-76-2	45.00000	0.00013	
			Bentonite	1302-78-9	5.00000	0.00010	
			Alkoxylated Isodecyl Alcohol	154518-36-2	5.00000	0.00010	
			N,N-Dimethylformamide	68-12-2	20.00000	0.00006	
			Tar bases,quinoline derivs.,benzyl chloride- quaternized	72480-70-7	20.00000	0.00006	
			Water	7732-18-5	15.00000	0.00004	

03/20/2026

			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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Antero Resources
Well No. Graden 2H
As-Drilled
Antero Resources Corporation

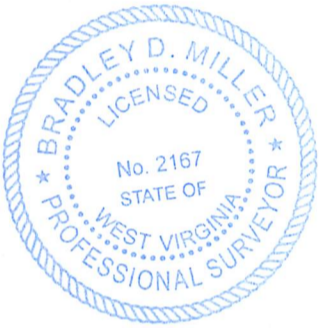


Page
1 of 2

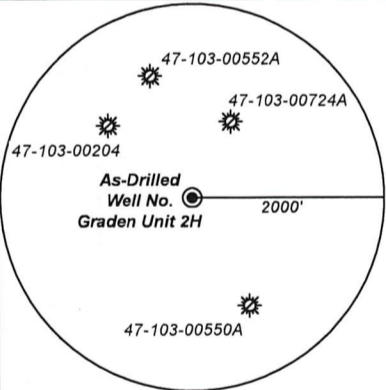
Top Hole Coordinates, As-drilled data, and information was provided by Antero Resources Corporation. Allegany Surveys Inc. (ASI) is not certifying the data and information provided. ASI is not responsible for any errors or inaccuracies with the data and information that has been provided.

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



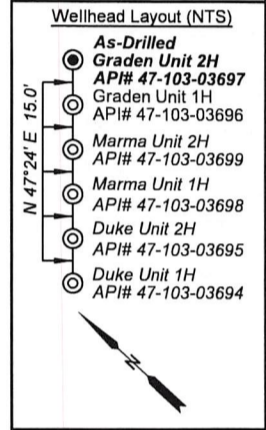
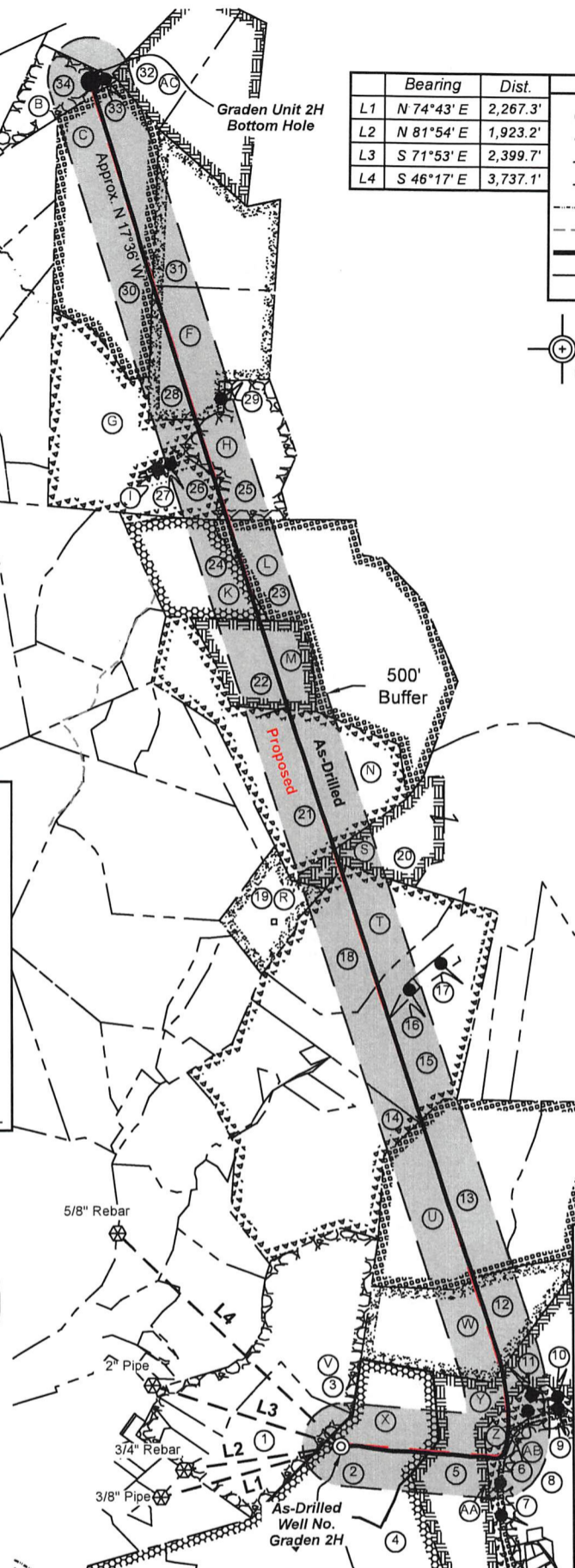
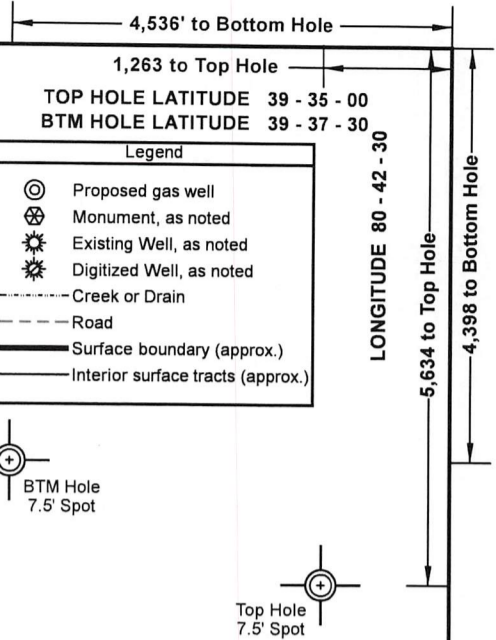
SEAL



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 74°43' E	2,267.3'
L2 N 81°54' E	1,923.2'
L3 S 71°53' E	2,399.7'
L4 S 46°17' E	3,737.1'

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. Graden Unit 2H
As-Drilled POE Coordinates
 WV Coordinate System of 1927, North Zone
 N: 391,667.16'
 E: 1,660,140.23'
 Lat: 39°34'08.74"
 Lon: 80°42'20.20"
 UTM Zone 17, NAD 1983
 N: 4,379,982.997m
 E: 525,301.697m

Notes
 West Virginia Coordinate System of 1927, North Zone
 based upon Differential GPS Measurements.
 Well No. Graden Unit 2H Top Hole coordinates are
 N: 391,246.82' Latitude: 39°34'04.31"
 E: 1,658,103.67' Longitude: 80°42'46.13"
 Bottom Hole coordinates are
 N: 407,703.21' Latitude: 39°36'46.54"
 E: 1,655,052.02' Longitude: 80°43'27.96"
 UTM Zone 17, NAD 1983
 Top Hole Coordinates Bottom Hole Coordinates
 N: 4,379,844.563m N: 4,384,842.600m
 E: 524,683.365m E: 523,670.137m
 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: 46-34-G-22
 DRAWING NO: Graden Unit 2H As-Drilled
 SCALE: 1" = 2000'
 MINIMUM DEGREE OF ACCURACY: Submeter
 PROVEN SOURCE OF ELEVATION: WVDOT, Harrisville, WV



DATE: November 21 2025
 OPERATOR'S WELL NO. Graden Unit 2H
 API WELL NO
 47 - 103 - 03697
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
 LOCATION: ELEVATION: As-Built 1,248' WATERSHED: Outlet Little Fishing Creek QUADRANGLE: Pine Grove
 DISTRICT: Green COUNTY: Tyler 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 7,127' TVD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 24,561' 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	
B	Debra Carol Miller
C	Debra Carol Miller
F	Richard D. Hornbeck, et ux
G	Venable Royalty, LTD, et al
H	Venable Royalty, LTD, et al
I	John Timothy Taylor
K	Marilee S. Morgan
L	Terry Lee Cummings
M	Richard D. Hornbeck, et ux
N	Bounty Minerals, LLC
R	The Tracy Living Trust
S	Antero Minerals, LLC
T	Stephen H. Stocker
U	Chesapeake Appalachia, LLC
V	Antero Minerals, LLC
W	James E. & Shawn L. Coen
X	Jenkins Miller
Y	Eddie D. Dallison
Z	Chesapeake Appalachia, LLC
AA	WVDNR
AB	Chesapeake Appalachia, LLC
AC	Debra Carol Miller

ID	TM-Par	Owner	Bk/Pg	Acres
1	13-40	Kenneth E. & Vicky A. Van Dyne	357/204	42.33
2	4-19	Dallison Lumber Company	53/205	51.50
3	13-26.7	John M. & Stanley D. Pittman	458/837	55.00
4	14-34	Thelma Deaton	493/482	41.00
5	14-20	Dallison Lumber Company	357/270	109.91
6	14-21	Dominion Gathering & Processing, Inc.	460/781	3.20
7		Big Fishing Creek		
8	14-36	Dominion Gathering & Processing, Inc.	460/781	57.41
9	14-22	Ren Realty, LLC	447/844	1.40
10	14-23	Ren Realty, LLC	447/844	1.30
11	14-69	Becky Ann & Charles Edward Moore	489/64	0.50
12	14-16	Antero Midstream, LLC	491/484	54.00
13	14-5	Donald L. & Myrna R. Mason	390/62	93.70
14	13-17	Laura Ann Slater	423/93	83.50
15	14-1	Kenneth & Vicky A. Van Dyne	339/427	69.39
16	9-62	Jason Kyle & Tamara Dawn Van Dyne	441/469	1.12
17	9-61	Jason Kyle & Tamara Dawn Van Dyne	441/469	2.49
18	9-52	WSD Properties, LLC	441/793	50.00
19	9-52.1	WSD Properties, LLC	441/793	25.00
20	9-44	Karen B. Mason	353/216	152.00
21	9-33	Thomas Rogers & Eliot Stearns	352/98	50.00
22	9-20	Richard David Hornbeck	372/423	29.30
23	9-21	Lawrence K. Mason	477/757	105.25
24	9-17	Donzel A. Hornbeck	346/142	35.00
25	9-7.1	Francis D. Springer	501/773	33.22
26	9-1	Antero Resources Corporation	462/582	71.30
27	9-6	Ashland Cemetery	---/---	0.92
28	4-44	Richard D. Hornbeck	372/421	42.50
29	9-2	Richard D. Hornbeck	372/421	0.61
30	4-30	Debra C. Miller	A103/410	76.80
31	4-31	Richard D. Hornbeck	372/421	40.50
32	4-14	Debra C. Miller	A103/410	28.00
33	4-12	Debra C. Miller	A103/410	0.75
34	4-11	Debra C. Miller	A103/410	16.80

FILE NO: 46-34-G-22
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 MINIMUM DEGREE OF ACCURACY:
Submeter
 PROVEN SOURCE OF ELEVATION:
WVDOT, Harrisville, WV

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



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API WELL NO
47 - 103 - 03697
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