

DEC 11 2025

WR-35
Rev. 8/23/13

WV Department of
Environmental Protection

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

DEC 11 2025

WV Department of
Environmental Protection

API 47-103-03696 County Wetzel District Green
Quad Pine Grove 7.5' Pad Name Cedar Field/Pool Name -----
Farm name Dallison Lumber Company Well Number Graden 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 4379841.329m Easting 524680.073m
Landing Point of Curve Northing 4380047.38m Easting 525031.60m
Bottom Hole Northing 4384764.334m Easting 523422.733m

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 3/28/2025
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]
2/12/26

03/20/2026

API 47- 103 - 03696 Farm name Dallison Lumber Company Well number Graden 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"	739'	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"	24432'	New	23#, P-110	N/A	Y
Tubing		2-3/8"	7365'		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	sx	15.6	1.18	1378	0'	8 Hrs.
Intermediate 2							
Intermediate 3							
Production	Class H	4304 sx (Tail)	13.5 (Spacer), 15.2(Tail)	1.26 (Tail)	5423	-500' into Intermediate Casing	8 Hrs.
Tubing							

Drillers TD (ft) 24,432' MD, 7,107' TVD (BHL), 7,130' TVD (Deepest Point Drilled) Loggers TD (ft) 24,402' MD
 Deepest formation penetrated Marcellus Plug back to (ft) N/A
 Plug back procedure N/A

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Kick off depth (ft) 6,427'

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

Well cored Yes No Conventional Sidewall Were cuttings collected Yes No

DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING _____

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

WAS WELL COMPLETED AS SHOT HOLE Yes No DETAILS _____

WAS WELL COMPLETED OPEN HOLE? Yes No DETAILS _____

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

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API 47- 103 - 03696 Farm name Dallison Lumber Company Well number Graden Unit 1H

PRODUCING FORMATION(S)	DEPTHS	
	TVD	MD
Marcellus	7,103' (TOP)	7,604' (TOP)

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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 16,539.89 mcfpd Oil 610.62 bpd NGL --- bpd Water 937 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 *Stefan Gaspar* Title Permitting Agent Date 12/9/25

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

03/20/2026 *Stefan*
2/11/26

API 47-103-03696 Farm Name William Wade Fletcher Well Number Graden Unit 1H

EXHIBIT 1

Stage No.	Perforation Date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formations
1	6/6/2025	24376	24360	36	Marcellus
2	6/6/2025	24321.80357	24157.8214	36	Marcellus
3	6/7/2025	24122.625	23958.6429	36	Marcellus
4	6/7/2025	23923.44643	23759.4643	36	Marcellus
5	6/8/2025	23724.26786	23560.2857	36	Marcellus
6	6/8/2025	23525.08929	23361.1071	36	Marcellus
7	6/9/2025	23325.91071	23161.9286	36	Marcellus
8	6/9/2025	23126.73214	22962.75	36	Marcellus
9	6/10/2025	22927.55357	22763.5714	36	Marcellus
10	6/11/2025	22728.375	22564.3929	36	Marcellus
11	6/11/2025	22529.19643	22365.2143	36	Marcellus
12	6/12/2025	22330.01786	22166.0357	36	Marcellus
13	6/12/2025	22130.83929	21966.8571	36	Marcellus
14	6/13/2025	21931.66071	21767.6786	36	Marcellus
15	6/13/2025	21732.48214	21568.5	36	Marcellus
16	6/14/2025	21533.30357	21369.3214	36	Marcellus
17	6/14/2025	21334.125	21170.1429	36	Marcellus
18	6/15/2025	21134.94643	20970.9643	36	Marcellus
19	6/15/2025	20935.76786	20771.7857	36	Marcellus
20	6/16/2025	20736.58929	20572.6071	36	Marcellus
21	6/17/2025	20537.41071	20373.4286	36	Marcellus
22	6/17/2025	20338.23214	20174.25	36	Marcellus
23	6/17/2025	20139.05357	19975.0714	36	Marcellus
24	6/18/2025	19939.875	19775.8929	36	Marcellus
25	6/19/2025	19740.69643	19576.7143	36	Marcellus
26	6/19/2025	19541.51786	19377.5357	36	Marcellus
27	6/20/2025	19342.33929	19178.3571	36	Marcellus
28	6/21/2025	19143.16071	18979.1786	36	Marcellus
29	6/21/2025	18943.98214	18780	36	Marcellus
30	6/22/2025	18744.80357	18580.8214	36	Marcellus
31	6/24/2025	18545.625	18381.6429	36	Marcellus
32	6/25/2025	18346.44643	18182.4643	36	Marcellus
33	6/25/2025	18147.26786	17983.2857	36	Marcellus
34	6/26/2025	17948.08929	17784.1071	36	Marcellus
35	6/26/2025	17748.91071	17584.9286	36	Marcellus
36	6/27/2025	17549.73214	17385.75	36	Marcellus
37	6/27/2025	17350.55357	17186.5714	36	Marcellus
38	6/28/2025	17151.375	16987.3929	36	Marcellus
39	6/28/2025	16952.19643	16788.2143	36	Marcellus
40	6/29/2025	16753.01786	16589.0357	36	Marcellus
41	6/29/2025	16553.83929	16389.8571	36	Marcellus
42	6/29/2025	16354.66071	16190.6786	36	Marcellus
43	6/30/2025	16155.48214	15991.5	36	Marcellus
44	6/30/2025	15956.30357	15792.3214	36	Marcellus
45	7/1/2025	15757.125	15593.1429	36	Marcellus
46	7/1/2025	15557.94643	15393.9643	36	Marcellus
47	7/2/2025	15358.76786	15194.7857	36	Marcellus
48	7/2/2025	15159.58929	14995.6071	36	Marcellus
49	7/3/2025	14960.41071	14796.4286	36	Marcellus
50	7/3/2025	14761.23214	14597.25	36	Marcellus
51	7/4/2025	14562.05357	14398.0714	36	Marcellus
52	7/4/2025	14362.875	14198.8929	36	Marcellus
53	7/4/2025	14163.69643	13999.7143	36	Marcellus
54	7/5/2025	13964.51786	13800.5357	36	Marcellus
55	7/5/2025	13765.33929	13601.3571	36	Marcellus
56	7/6/2025	13566.16071	13402.1786	36	Marcellus
57	7/6/2025	13366.98214	13203	36	Marcellus
58	7/6/2025	13167.80357	13003.8214	36	Marcellus
59	7/7/2025	12968.625	12804.6429	36	Marcellus
60	7/7/2025	12769.44643	12605.4643	36	Marcellus
61	7/8/2025	12570.26786	12406.2857	36	Marcellus
62	7/8/2025	12371.08929	12207.1071	36	Marcellus
63	7/9/2025	12171.91071	12007.9286	36	Marcellus
64	7/9/2025	11972.73214	11808.75	36	Marcellus
65	7/10/2025	11773.55357	11609.5714	36	Marcellus
66	7/10/2025	11574.375	11410.3929	36	Marcellus
67	7/10/2025	11375.19643	11211.2143	36	Marcellus
68	7/11/2025	11176.01786	11012.0357	36	Marcellus
69	7/12/2025	10976.83929	10812.8571	36	Marcellus
70	7/13/2025	10777.66071	10613.6786	36	Marcellus
71	7/13/2025	10578.48214	10414.5	36	Marcellus
72	7/13/2025	10379.30357	10215.3214	36	Marcellus
73	7/14/2025	10180.125	10016.1429	36	Marcellus
74	7/14/2025	9980.946429	9816.96429	36	Marcellus
75	7/15/2025	9781.767857	9617.78571	36	Marcellus
76	7/15/2025	9582.589286	9418.60714	36	Marcellus
77	7/16/2025	9383.410714	9219.42857	36	Marcellus
78	7/16/2025	9184.232143	9020.25	36	Marcellus
79	7/16/2025	8985.053571	8821.07143	36	Marcellus
80	7/16/2025	8785.875	8621.89286	36	Marcellus
81	7/17/2025	8586.696429	8422.71429	36	Marcellus
82	7/17/2025	8387.517857	8223.53571	36	Marcellus
83	7/17/2025	8188.339286	8024.35714	36	Marcellus
84	7/17/2025	7989.160714	7825.17857	36	Marcellus
85	7/17/2025	7789.982143	7626	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 (bbls)	Amount of Nitrogen/other (units)
1	6/6/2025	73.2	11023	7647	4597	132000	3542	N/A
2	6/6/2025	93.1	10728	6970	4835	417040	7151	N/A
3	6/7/2025	89	10619	6805	4771	415630	7375	N/A
4	6/7/2025	88.6	10748	8550	5078	409640	7155	N/A
5	6/8/2025	87.7	10639	6893	5100	411600	7177	N/A
6	6/8/2025	89.3	10479	7723	4581	406840	7045	N/A
7	6/9/2025	89.2	10756	6601	5019	409240	7468	N/A
8	6/9/2025	85.4	10230	7377	4778	413720	7095	N/A
9	6/10/2025	94.3	11064	4465	4548	396020	7036	N/A
10	6/11/2025	84.9	10987	4934	4557	418080	7448	N/A
11	6/11/2025	94.8	11059	6956	5201	413820	7060	N/A
12	6/12/2025	86.9	10421	6451	4910	417500	7064	N/A
13	6/12/2025	90.3	11141	7514	5644	418600	7154	N/A
14	6/13/2025	91.4	11151	7220	5234	414100	6969	N/A
15	6/13/2025	92.4	10568	7241	4933	413200	6972	N/A
16	6/14/2025	95.1	10871	6609	4585	400200	6966	N/A
17	6/14/2025	93.9	10791	6678	4762	410440	7005	N/A
18	6/15/2025	95.9	11122	5103	4551	417620	7171	N/A
19	6/15/2025	99.6	10973	5918	4920	398720	6883	N/A
20	6/16/2025	92.8	10679	6217	4562	394920	6917	N/A
21	6/17/2025	97.6	10469	6801	4655	414820	7034	N/A
22	6/17/2025	97.3	10423	6404	5172	394680	6858	N/A
23	6/17/2025	97.2	10235	6761	4927	398140	6859	N/A
24	6/18/2025	93.4	10423	6811	4811	407640	7053	N/A
25	6/19/2025	98.6	10897	6674	5426	411460	7027	N/A
26	6/19/2025	94.7	10504	8124	4674	410700	7051	N/A
27	6/20/2025	91.5	10259	6956	5037	408880	7060	N/A
28	6/21/2025	93.9	10341	6444	4985	403760	7013	N/A
29	6/21/2025	84.6	9386	6771	5329	411380	7027	N/A
30	6/22/2025	88.5	9463	6905	5081	415040	7002	N/A
31	6/24/2025	97.5	10368	7334	5317	417820	6981	N/A
32	6/25/2025	93.8	10249	7307	4765	410700	6981	N/A
33	6/25/2025	89.5	9586	5339	4991	415240	7912	N/A
34	6/26/2025	96.7	10057	7866	4550	417520	7028	N/A
35	6/26/2025	96.6	10462	7311	4545	399100	6764	N/A
36	6/27/2025	95.2	9802	7319	4567	395260	6929	N/A
37	6/27/2025	97.1	10248	7982	4771	413060	6957	N/A
38	6/28/2025	93.5	9431	7102	5359	397320	6892	N/A
39	6/28/2025	99.5	10321	8026	5002	414060	6939	N/A
40	6/29/2025	86.4	9742	6608	5073	414800	7893	N/A
41	6/29/2025	99.5	10353	7892	4980	397420	6801	N/A
42	6/29/2025	95.7	9745	7506	5316	415880	7034	N/A
43	6/30/2025	99	10174	6595	4840	414080	6883	N/A
44	6/30/2025	99	10179	6938	5292	415140	6963	N/A
45	7/1/2025	96.3	10280	7804	4259	412900	6964	N/A
46	7/1/2025	93.5	9868	7317	5074	416960	6863	N/A
47	7/2/2025	96.6	10058	7073	4626	411820	6861	N/A
48	7/2/2025	91.7	9244	5599	4778	415480	6896	N/A
49	7/3/2025	95.6	9827	8702	4863	393260	6712	N/A
50	7/3/2025	95.3	10096	7678	4829	396320	6830	N/A
51	7/4/2025	98.9	9768	8046	4831	393230	6666	N/A
52	7/4/2025	92.9	9289	7163	4698	400620	6720	N/A
53	7/4/2025	94	9647	8194	4837	398020	6694	N/A
54	7/5/2025	94.6	9934	7598	5442	395320	6625	N/A
55	7/5/2025	99.3	9627	7192	5434	414400	6830	N/A
56	7/6/2025	99.2	9545	8006	4687	412560	6839	N/A
57	7/6/2025	98.1	9848	7027	4989	408440	6893	N/A
58	7/6/2025	99.4	9499	8083	4626	409560	6838	N/A
59	7/7/2025	95.1	9708	7203	5537	413390	6803	N/A
60	7/7/2025	91.9	9623	8618	4771	394500	6673	N/A
61	7/8/2025	97.6	9826	6386	4867	394800	6593	N/A
62	7/8/2025	90.8	8832	6719	4779	395000	6647	N/A
63	7/9/2025	93.8	8916	7868	3906	393088	6627	N/A
64	7/9/2025	99.2	9041	7298	4452	415680	6837	N/A
65	7/10/2025	92.3	9193	7863	4478	414740	7086	N/A
66	7/10/2025	98	9417	6334	4497	394320	6587	N/A
67	7/10/2025	97.9	9548	5213	4809	398300	6703	N/A
68	7/11/2025	98.2	9281	5759	4309	416440	6914	N/A
69	7/12/2025	91.8	9327	7263	3608	314100	5579	N/A
70	7/13/2025	98.9	9320	5509	4599	412640	6721	N/A
71	7/13/2025	98.6	9495	6998	4719	417680	6906	N/A
72	7/13/2025	97.2	9682	6944	4404	417780	6903	N/A
73	7/14/2025	98.2	9210	6685	4592	417500	6791	N/A
74	7/14/2025	100	9011	4402	4455	425600	6982	N/A
75	7/15/2025	90.9	8299	6778	4506	416940	6908	N/A
76	7/15/2025	95.6	8290	6770	4469	412380	6875	N/A
77	7/16/2025	97.8	8818	7033	4625	394120	6655	N/A
78	7/16/2025	93.3	8265	6214	4489	415480	6873	N/A
79	7/16/2025	98.1	8633	7712	4172	417960	7011	N/A
80	7/16/2025	93.5	8026	6672	4295	394400	6620	N/A
81	7/17/2025	93.4	8153	6413	4375	399360	6661	N/A
82	7/17/2025	92.8	7889	5476	4467	398720	6766	N/A
83	7/17/2025	99.6	7754	6473	4478	400040	6862	N/A
84	7/17/2025	100	8136	6753	5000	397540	6731	N/A
85	7/17/2025	99.4	7925	7041	4638	416160	7006	N/A
AVERAGE		94.4	9,827	6,936	4,787	34,320,378	585,145	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	2,150	2,024	2,188
Big Lime	2,176	2,998	2,188	3,072
Fifty Foot Sandstone	2,998	3,056	3,046	3,132
Gordon	3,056	3,306	3,106	3,395
Fifth Sandstone	3,306	3,641	3,369	3,744
Bayard	3,641	4,026	3,718	4,147
Speechley	4,026	4,193	4,121	4,323
Balltown	4,193	4,655	4,297	4,808
Bradford	4,655	5,226	4,782	5,407
Benson	5,226	5,685	5,381	5,889
Alexander	5,685	6,886	5,863	7,178
Sycamore	6728	6860	6987	7152
Middlesex	6860	6958	7152	7298
Burkett	6958	6987	7298	7352
Tully	6987	7077	7352	7578
Marcellus	7077	NA	7578	NA

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WV Department of
Environmental Protection

03/20/2026

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:	47-103-03696-00-00
Operator Name:	Antero Resources Corporation
Well Name and Number:	Graden Unit 1H
Latitude:	39.567924
Longitude:	-80.712675
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	7108
Total Base Water Volume (gal)*:	25839240
Total Base Non Water Volume:	0



Water Source	Percent
Groundwater, < 1000TDS	100.00%

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Environmental Protection

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					RECEIVED Office of Oil and Gas DEC 11 2025
ViscStim 250-CE-164	NexTier Completions Solutions	Friction Reducer					WV Department of Environmental Protection
Water	Operator	Carrier Fluid					

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

			Water	7732-18-5	100.00000	85.92950	
			Crystalline Silica	14808-60-7	99.90000	13.70945	
			Water	7732-18-5	85.00000	0.26712	
			Hydrochloric Acid	7647-01-0	15.00000	0.04714	
			Aluminum Oxide	1344-28-1	0.10000	0.01372	
			Distillates (petroleum), hydrotreated light	64742-47-8	30.00000	0.00435	
			Chemplex-Polymer-00019	Proprietary	20.00000	0.00290	
			Glutaraldehyde	111-30-8	30.00000	0.00271	
			Distillates (petroleum), hydrotreated light	64742-47-8	30.00000	0.00138	
			Distillates (Petroleum), Hydrotreated Light	64742-47-8	50.00000	0.00107	
			Copolymer of 2-propenamide	69418-26-4	40.00000	0.00088	
			ammonium chloride	12125-02-9	5.00000	0.00073	
			alcohols, C12-16, ethoxylated	68551-12-2	5.00000	0.00073	
			oleic acid diethanolamide	93-83-4	5.00000	0.00073	
			Alkyl (C12-16) dimethylbenzylammonium chloride	68424-85-1	5.00000	0.00045	
			1-Decanaminium, N-decyl-N,N-dimethyl-,chloride	7173-51-5	5.00000	0.00045	
			Distillates (petroleum), hydrotreated light	64742-47-8	20.00000	0.00044	
			Ammonium Persulfate	7727-54-0	90.00000	0.00025	
			Alcohols, C11-14-iso-, C13-rich, ethoxylated	78330-21-9	5.00000	0.00023	
			Ethylene glycol	107-21-1	45.00000	0.00014	
			Glycol Ether EB	111-76-2	45.00000	0.00014	
			Alcohols, C11-14-iso-, C13-rich, ethoxylated	78330-21-9	5.00000	0.00011	
			Oleic Acid Diethanolamide	93-83-4	5.00000	0.00011	
			Bentonite	1302-78-9	5.00000	0.00011	

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			Alkoxylated Isodecyl Alcohol	154518-36-2	5.00000	0.00011	
			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	0.00005	
			Cinnamaldehyde	104-55-2	10.00000	0.00003	
			Nonylphenol ethoxylated	127087-87-0	10.00000	0.00003	
			Alcohols, C6-12	68603-15-6	10.00000	0.00003	
			1-Hexadecanaminium, N-(carboxymethyl)-N,N-dimethyl-, inner salt	693-33-4	0.50000	0.00001	

* 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 1H
As-Drilled
Antero Resources Corporation**



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1 of 2

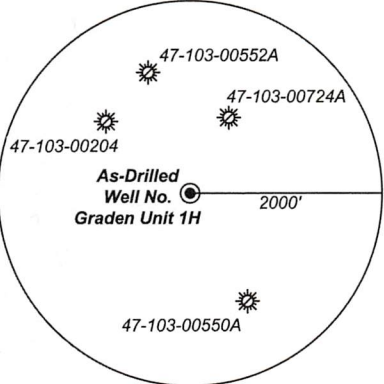
Top Hole Coordinates, As-drilled data, and information was provided by Antero Resources Corporation. Allegheny Surveys Inc. (ASI) is not certifying the data and information provided. ASI is not responsible for any errors or inaccuracies with the data and information that has been provided.

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: 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.	Legend
L1 N 74°54' E	2,254.0'	Proposed gas well
L2 N 82°10' E	1,910.9'	Monument, as noted
L3 S 71°34' E	2,392.5'	Existing Well, as noted
L4 S 46°03' E	3,736.4'	Digitized Well, as noted
		— Creek or Drain
		- - - Road
		— Surface boundary (approx.)
		— Interior surface tracts (approx.)



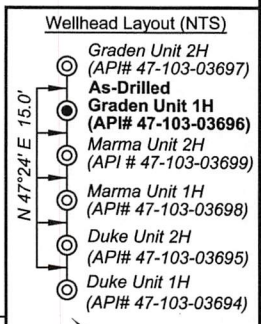
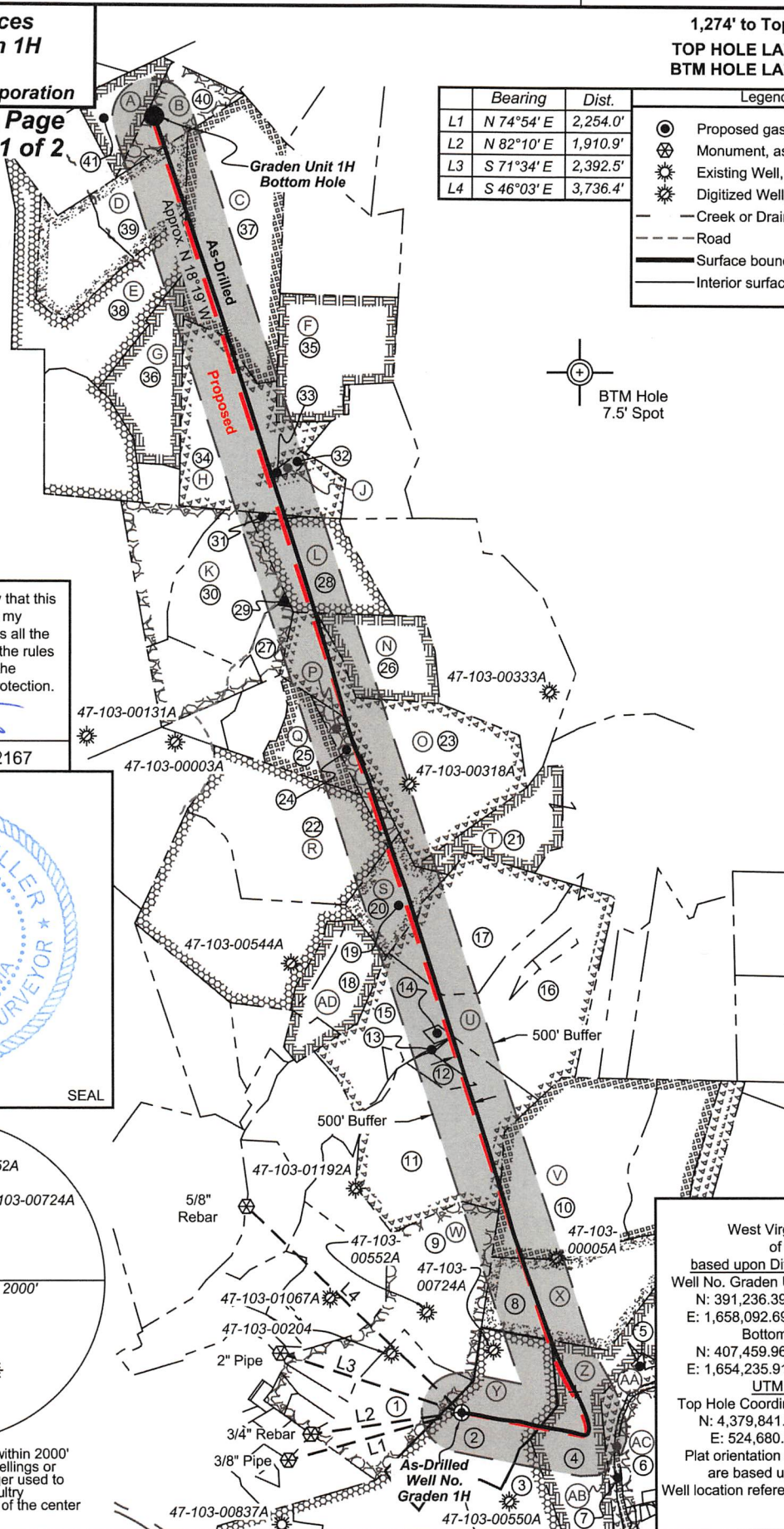
5,348' to Bottom Hole

1,274' to Top Hole

TOP HOLE LATITUDE 39 - 35 - 00
BTM HOLE LATITUDE 39 - 37 - 30

LONGITUDE 80 - 42 - 30

4,652' to Bottom Hole



Notes:
Well No. Graden Unit 1H As-Drilled POE Coordinates
WV Coordinate System of 1927, North Zone
N: 391,496.96'
E: 1,659,521.14'
Lat: 39°34'06.97"
Lon: 80°42'28.08"
UTM Zone 17, NAD 1983
N: 4,379,927.991m
E: 525,113.947m

Notes
West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.
Well No. Graden Unit 1H Top Hole coordinates are
N: 391,236.39' Latitude: 39°34'04.21"
E: 1,658,092.69' Longitude: 80°42'46.27"
Bottom Hole coordinates are
N: 407,459.96' Latitude: 39°36'44.03"
E: 1,654,235.91' Longitude: 80°43'38.35"
UTM Zone 17, NAD 1983
Top Hole Coordinates Bottom Hole Coordinates
N: 4,379,841.329m N: 4,384,764.334m
E: 524,680.073m E: 523,422.733m
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 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. Graden Unit 1H
API WELL NO
47 - 103 - 03696
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 7,107' TVD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 24,432' 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	Debra Carol Miller
B	Debra Carol Miller
C	Debra Carol Miller
D	Jay H. Renner
E	Belinda K. Harrison
F	Richard D. Hornbeck , et ux
G	Venable Royalty, LTD et al
H	Venable Royalty, LTD et al
J	John Timothy Taylor
K	Chesapeake Appalachia, LLC
L	Marliee S. Morgan
N	Richard D. Hornbeck et ux
O	Bounty Minerals, LLC
P	Robert Bassett
Q	Acropolis, Inc
R	Acropolis, Inc
S	The Tracy Living Trust
T	Antero Minerals, LLC
U	Stephen H. Stocker
V	Chesapeake Appalachia, LLC
W	Antero Minerals, LLC
X	James E. & Shawn L. Coen
Y	Jenkins Miller
Z	Eddie D. Dallison
AA	Chesapeake Appalachia, LLC
AB	WVDNR
AC	Chesapeake Appalachia, LLC
AD	Ester Ruth Coen

ID	TM-Par	Owner	Bk/Pg	Acres
1	13-40	Kenneth E. & Vicky A. Van Dyne	357/204	42.33
2	14-19	Dallison Lumber Company	357/267	51.50
3	14-34	Thelma Deaton	493/482	41.00
4	14-20	Dallison Lumber Company	357/270	109.91
5	14-21	Dominion Gathering & Processing, Inc.	460/781	3.20
6	14-36	Dominion Gathering & Processing, Inc.	460/781	57.41
7		Big Fishing Creek		
8	14-16	Antero Midstream, LLC	491/484	54.00
9	13-26.7	John M. & Stanley D. Pittman	458/837	55.00
10	14-5	Donald L. & Myrna R. Mason	390/62	93.70
11	13-17	Laura Ann Slater	423/93	83.50
12	13-17.1	Laura A. & Clayton L. Slater	461/185	6.50
13	13-11	Laura Ann Slater	423/93	0.13
14	13-10.2	Ida Morris	A110/206	1.05
15	13-10	Blue Racer Midstream LLC	452/542	25.99
16	14-1	Kenneth & Vicky A. Van Dyne	339/427	69.39
17	9-52	WSD Properties, LLC	441/793	50.00
18	9-60	Ester Ruth Coen	269A/114	14.58
19	9-43	Goodnight Cemetery	---/---	0.35
20	9-52.1	WSD Properties, LLC	441/793	25.00
21	9-44	Jerry L. & Karen B. Mason	353/216	152.00
22	9-42	WSD Properties, LLC	441/793	149.00
23	9-33	Thomas Rogers & Eliot Stearns	352/98	50.00
24	9-32	Richard David Hornbeck	334/514	16.25
25	9-31	Richard David Hornbeck	334/514	17.00
26	9-20	Richard David Hornbeck	372/423	29.30
27	9-19	Richard David Hornbeck	334/514	9.50
28	9-17	Donzel A. Hornbeck	346/142	35.00
29	9-18	Donzel A. Hornbeck	346/142	0.42
30	9-15	Keith A. Milhoan	407/375	45.25
31	9-16	Donzel A. & Rebecca L. Hornbeck	346/373	1.00
32	9-6	Ashland Cemetery	---/---	0.92
33	9-5	M.E. Church	92/392	0.92
34	9-1	Antero Resources Corporation	462/582	71.30
35	4-44	Richard D. Hornbeck	372/421	42.50
36	4-43	Donzel A. & Rebecca L. Hornbeck	346/373	35.30
37	4-30	Debra C. Miller	A103/410	76.80
38	3-38	Julie Marie Lemons	493/298	39.80
39	4-29	Timothy S. Harrison	439/202	23.00
40	4-11	Debra C. Miller	A103/410	16.80
41	4-10	Debra C. Miller	A103/410	17.50

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