

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

JUL 22 2026

WV Department of
Environmental Protection

API 47-041-05761 County Lewis District Freemans Creek
Quad Vadis Pad Name Van Wie 1221 Pad Field/Pool Name -----
Farm name HG Energy II Appalachia, LLC, et al Well Number Van Wie 1221 N-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 4327356.930m Easting 528672.045m
Landing Point of Curve Northing 4327622.39m Easting 528478.08m
Bottom Hole Northing 4333616.717m Easting 526374.480m

Elevation (ft) 1251.77' 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 2/20/2024 Date drilling commenced 10/18/2024 Date drilling ceased 4/24/2025
Date completion activities began 12/9/2025 Date completion activities ceased 3/24/2026
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 826' Open mine(s) (Y/N) depths No
Salt water depth(s) ft N/A Void(s) encountered (Y/N) depths No
Coal depth(s) ft 495'-501' Cavern(s) encountered (Y/N) depths No
Is coal being mined in area (Y/N) No

Reviewed

Reviewed by:

Kristi Ayala
07/31/2026

WR-35
Rev. 8/23/13

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API 47- 041 - 05761

Farm name HG Energy II Appalachia, LLC, et al Well number Van Wie 1221 N-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	30"	30"	120'	New	157.5#, LS	N/A	N/A
Surface	26"	20"	1236'	New	94#, J-55	N/A	Y
Coal							
Intermediate 1	17-1/2"	13-3/8"	2830'	New	68#, J-55 BTC	N/A	Y
Intermediate 2	12-1/4"	9-5/8"	6130'	New	40# N/L-80 BTC	N/A	
Intermediate 3							
Production	8-3/4"/8-1/2"	5-1/2"	29082'	New	23#, P-110	N/A	Y
Tubing		2-3/8"	7127'		4.7#, P-110		RECEIVED Office of Oil and Gas
Packer type and depth set		N/A					

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Comment Details _____

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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	290 sks	15.6	1.18	342	0'	8 Hrs.
Surface	Class A	1028 sks	15.6	1.20	1234	0'	8 Hrs.
Coal							
Intermediate 1	Class A	880 sks	15.9	1.17	1030	0'	8 Hrs.
Intermediate 2	Class A	190 sks	15.9	1.25	238	0'	8 Hrs.
Intermediate 3							
Production	Class A	4542 sks	14.8(Tail)	1.94 (Tail)	8811	~500' into Intermediate Casing	8 Hrs.
Tubing							

Drillers TD (ft) 29082' MD, 7165' TVD (BHL), 7296' (Deepest Point Drilled)

Loggers TD (ft) 29082' MD

Deepest formation penetrated Marcellus

Plug back to (ft) N/A

Plug back procedure N/A

Kick off depth (ft) 7100'

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

07/31/2026

API 47- 041 - 05761 Farm name HG Energy II Appalachia, LLC, et al Well number Van Wie 1221 N-2H

PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)

***PLEASE SEE ATTACHED EXHIBIT 1**

					RECEIVED
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					Environmental Protection

Please insert additional pages as applicable.

STIMULATION INFORMATION PER STAGE

Complete a separate record for each stimulation stage.

Stage No.	Stimulations Date	Ave Pump Rate (BPM)	Ave Treatment Pressure (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Amount of Proppant (lbs)	Amount of Water (bbls)	Amount of Nitrogen/other (units)

***PLEASE SEE ATTACHED EXHIBIT 2**

Please insert additional pages as applicable.

07/31/2026

API 47- 041 - 05761 Farm name HG Energy II Appalachia, LLC, et al Well number Van Wie 1221 N-2H

PRODUCING FORMATION(S)

DEPTHS

Marcellus 7038' (TOP) TVD 7347' (TOP) MD

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Please insert additional pages as applicable.

GAS TEST ☐ Build up ☐ Drawdown ☒ Open Flow OIL TEST ☒ Flow ☐ Pump

SHUT-IN PRESSURE Surface 999 psi Bottom Hole --- psi DURATION OF TEST --- hrs

OPEN FLOW Gas 16374 mcfpd Oil 151 bpd NGL --- bpd Water 639 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**

Please insert additional pages as applicable.

Drilling Contractor Precision Drilling
Address 10350 Richmond Ave, Suite 700 City Houston State TX Zip 77042

Logging Company Renegade Services
Address 191 Earnhardt Rd City Hunker State PA Zip 15639

Cementing Company Lightning Energy Services
Address 603 US Hwy Rt. 19N City Weston State WV Zip 26452

Stimulating Company ProFrac
Address 333 Shops Boulevard Suite 301 City Willow Park State TX Zip 76087

Please insert additional pages as applicable.

Completed by Carly Wren Telephone 303-357-7373
Signature [Signature] Title Permitting Agent Date 7/21/20

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

07/31/2026

API: 47-041-06781 Farm Name: JG Energy II Antelope, LLC et al Well Number: 1221-B Unit 24					
Exhibit 1					
Stage No.	Perforation Date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formations
1	12/9/2025	29006	28982	6	Marcellus
2	12/10/2025	28933	28777	32	Marcellus
3	12/11/2025	28749	28579	32	Marcellus
4	12/11/2025	28551	28381	32	Marcellus
5	12/12/2025	28353	28183	32	Marcellus
6	12/12/2025	28155	27985	32	Marcellus
7	12/17/2025	27957	27787	32	Marcellus
8	12/17/2025	27759	27589	32	Marcellus
9	12/18/2025	27561	27391	32	Marcellus
10	12/18/2025	27363	27193	32	Marcellus
11	12/19/2025	27165	26995	32	Marcellus
12	12/19/2025	26967	26797	32	Marcellus
13	12/19/2025	26769	26599	32	Marcellus
14	12/19/2025	26571	26401	32	Marcellus
15	12/20/2025	26373	26203	32	Marcellus
16	12/20/2025	26175	26005	32	Marcellus
17	12/20/2025	25978	25808	32	Marcellus
18	12/21/2025	25782	25612	32	Marcellus
19	12/21/2025	25586	25416	32	Marcellus
20	12/21/2025	25390	25220	32	Marcellus
21	12/22/2025	25194	25024	32	Marcellus
22	12/22/2025	24998	24828	32	Marcellus
23	12/22/2025	24802	24632	32	Marcellus
24	12/23/2025	24606	24436	32	Marcellus
25	12/23/2025	24410	24240	32	Marcellus
26	12/23/2025	24214	24044	32	Marcellus
27	1/2/2026	24018	23848	32	Marcellus
28	1/2/2026	23822	23652	32	Marcellus
29	1/3/2026	23626	23456	32	Marcellus
30	1/3/2026	23430	23260	32	Marcellus
31	1/4/2026	23234	23064	32	Marcellus
32	1/4/2026	23038	22868	32	Marcellus
33	1/4/2026	22842	22672	32	Marcellus
34	1/5/2026	22646	22476	32	Marcellus
35	1/6/2026	22450	22280	32	Marcellus
36	1/6/2026	22254	22084	32	Marcellus
37	1/6/2026	22058	21888	32	Marcellus
38	1/6/2026	21862	21692	32	Marcellus
39	1/7/2026	21666	21496	32	Marcellus
40	1/7/2026	21470	21300	32	Marcellus
41	1/7/2026	21274	21104	32	Marcellus
42	1/8/2026	21078	20908	32	Marcellus
43	1/8/2026	20882	20712	32	Marcellus
44	1/8/2026	20686	20516	32	Marcellus
45	1/9/2026	20490	20320	32	Marcellus
46	1/9/2026	20294	20124	32	Marcellus
47	1/10/2026	20098	19928	32	Marcellus
48	1/10/2026	19902	19732	32	Marcellus
49	1/11/2026	19706	19536	32	Marcellus
50	1/11/2026	19510	19340	32	Marcellus
51	1/12/2026	19314	19144	32	Marcellus
52	1/12/2026	19118	18948	32	Marcellus
53	1/13/2026	18922	18752	32	Marcellus
54	1/13/2026	18726	18556	32	Marcellus
55	1/14/2026	18530	18360	32	Marcellus
56	1/15/2026	18334	18164	32	Marcellus
57	1/15/2026	18138	17968	32	Marcellus
58	1/16/2026	17942	17772	32	Marcellus
59	1/16/2026	17746	17576	32	Marcellus
60	1/17/2026	17550	17380	32	Marcellus
61	1/17/2026	17354	17184	32	Marcellus
62	1/18/2026	17158	16988	32	Marcellus
63	1/18/2026	16962	16792	32	Marcellus
64	1/19/2026	16766	16596	32	Marcellus
65	1/19/2026	16570	16400	32	Marcellus
66	1/20/2026	16374	16204	32	Marcellus
67	1/20/2026	16178	16008	32	Marcellus
68	1/21/2026	15982	15812	32	Marcellus
69	1/22/2026	15786	15616	32	Marcellus
70	1/23/2026	15590	15420	32	Marcellus
71	1/24/2026	15394	15224	32	Marcellus
72	2/3/2026	15198	15028	32	Marcellus
73	2/4/2026	14991	14813	32	Marcellus
74	2/4/2026	14790	14613	32	Marcellus
75	2/5/2026	14590	14412	32	Marcellus
76	2/5/2026	14389	14212	32	Marcellus
77	2/6/2026	14189	14011	32	Marcellus
78	2/6/2026	13988	13811	32	Marcellus
79	2/7/2026	13788	13610	32	Marcellus
80	2/9/2026	13587	13410	32	Marcellus
81	2/9/2026	13387	13209	32	Marcellus
82	2/10/2026	13186	13009	32	Marcellus
83	2/10/2026	12986	12808	32	Marcellus
84	2/10/2026	12785	12608	32	Marcellus
85	2/11/2026	12585	12407	32	Marcellus
86	2/11/2026	12384	12207	32	Marcellus
87	2/11/2026	12184	12006	32	Marcellus
88	2/12/2026	11983	11806	32	Marcellus
89	2/12/2026	11783	11605	32	Marcellus
90	2/12/2026	11582	11405	32	Marcellus
91	2/13/2026	11381	11204	32	Marcellus
92	2/13/2026	11181	11003	32	Marcellus
93	2/13/2026	10980	10803	32	Marcellus
94	2/14/2026	10780	10602	32	Marcellus
95	2/14/2026	10579	10402	32	Marcellus
96	2/14/2026	10379	10201	32	Marcellus
97	2/14/2026	10178	10001	32	Marcellus
98	2/15/2026	9978	9800	32	Marcellus
99	2/15/2026	9777	9600	32	Marcellus
100	2/16/2026	9577	9399	32	Marcellus
101	2/16/2026	9376	9199	32	Marcellus
102	2/17/2026	9176	8998	32	Marcellus
103	2/17/2026	8975	8798	32	Marcellus
104	2/18/2026	8775	8597	32	Marcellus
105	2/18/2026	8574	8397	32	Marcellus
106	2/18/2026	8374	8196	32	Marcellus
107	2/19/2026	8173	7996	32	Marcellus
108	2/20/2026	7973	7795	32	Marcellus
109	2/20/2026	7772	7595	32	Marcellus
110	2/21/2026	7571	7394	32	Marcellus

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API 47-041-05-261 Farm Name: HG Energy II Appalachia, LLC, et al Well Number: 17221-N Unit 2H								
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 (lbs)
1	12/9/2025	50.0	8837.8	8,531	4,291	11,130	3849	N/A
2	12/10/2025	87.8	10351.8	5,969	4,157	254,550	10783	N/A
3	12/11/2025	86.0	10093.3	5,469	5,929	705,680	15067	N/A
4	12/11/2025	88.4	10366.9	6,160	5,047	707,240	15181	N/A
5	12/12/2025	89.9	10855.7	5,556	5,521	705,360	14914	N/A
6	12/12/2025	92.6	10424.5	5,817	5,215	706,120	14933	N/A
7	12/17/2025	92.0	10356.8	5,814	5,885	705,720	15182	N/A
8	12/17/2025	88.3	10335.1	5,848	4,761	705,720	14892	N/A
9	12/18/2025	90.0	10491.2	5,878	5,533	536,900	12771	N/A
10	12/18/2025	87.7	10478.4	5,712	5,799	705,560	14966	N/A
11	12/19/2025	89.8	10405.7	5,810	5,836	706,190	14987	N/A
12	12/19/2025	87.0	10267.2	6,935	6,020	708,640	19389	N/A
13	12/19/2025	86.4	10358.1	9,091	6,073	647,010	13922	N/A
14	12/19/2025	93.1	10579.5	8,589	5,916	705,440	12960	N/A
15	12/20/2025	89.2	10494.7	8,621	6,015	705,520	13208	N/A
16	12/20/2025	93.4	10585.6	8,355	5,557	706,940	13355	N/A
17	12/20/2025	91.8	10544.1	6,190	5,858	705,380	13135	N/A
18	12/21/2025	92.3	10420.2	8,185	5,850	705,200	13176	N/A
19	12/21/2025	89.4	10302.8	8,774	6,139	706,620	13387	N/A
20	12/21/2025	91.1	10424.8	8,761	6,138	705,900	13140	N/A
21	12/22/2025	91.7	10637.6	8,403	5,711	704,960	13390	N/A
22	12/22/2025	88.7	10261.6	6,101	5,213	710,000	13911	N/A
23	12/23/2025	87.1	10389.6	6,551	6,028	705,420	13036	N/A
24	12/23/2025	86.7	10463.4	7,735	5,968	680,150	12829	N/A
25	12/23/2025	89.7	10065.6	7,688	5,728	680,300	12050	N/A
26	12/23/2025	94.8	10412.8	8,169	5,496	680,230	12416	N/A
27	12/23/2026	86.7	10183.9	7,955	5,511	680,250	12491	N/A
28	1/2/2026	86.1	10095.8	9,600	5,527	680,370	11945	N/A
29	1/3/2026	87.9	9974.7	10,061	5,268	680,130	11891	N/A
30	1/3/2026	84.5	10367.8	8,894	5,750	680,670	11745	N/A
31	1/4/2026	84.9	10516.6	8,317	5,474	335,460	14809	N/A
32	1/4/2026	87.2	10250.0	7,992	5,485	581,560	11283	N/A
33	1/4/2026	90.9	10010.4	8,538	5,273	680,260	12077	N/A
34	1/5/2026	86.2	10166.8	6,131	4,018	270,760	15491	N/A
35	1/5/2026	91.0	10056.4	6,381	5,189	680,300	11207	N/A
36	1/5/2026	93.8	10148.4	7,985	5,694	680,350	11227	N/A
37	1/5/2026	89.1	10063.6	8,824	5,808	680,260	11120	N/A
38	1/6/2026	90.4	9897.6	8,033	5,341	680,270	12910	N/A
39	1/7/2026	93.0	10001.0	8,445	5,242	680,330	11223	N/A
40	1/7/2026	97.9	10168.0	7,774	5,651	680,900	11166	N/A
41	1/7/2026	90.7	9901.8	9,331	5,697	680,290	12019	N/A
42	1/8/2026	91.4	9942.5	7,951	5,296	680,600	11098	N/A
43	1/8/2026	97.9	10233.7	7,676	5,399	680,910	11087	N/A
44	1/8/2026	91.6	10023.9	4,451	5,634	680,300	10821	N/A
45	1/9/2026	96.3	10005.9	8,422	5,331	553,480	9788	N/A
46	1/9/2026	90.1	9964.9	7,604	5,490	680,490	10731	N/A
47	1/10/2026	94.8	9946.1	8,024	5,427	617,320	10405	N/A
48	1/10/2026	95.1	9753.2	8,031	5,754	680,740	10834	N/A
49	1/11/2026	96.2	9840.6	7,345	5,662	680,580	10839	N/A
50	1/11/2026	100.3	10029.7	8,042	6,120	680,400	10507	N/A
51	1/12/2026	94.6	9866.7	6,152	5,339	515,860	9611	N/A
52	1/12/2026	99.0	10076.7	7,525	5,712	680,420	11362	N/A
53	1/13/2026	93.8	9729.4	9,496	5,635	680,500	11125	N/A
54	1/13/2026	97.4	10295.5	9,580	5,365	610,320	9991	N/A
55	2/14/2026	98.1	10331.5	10,041	5,447	680,090	11902	N/A
56	2/15/2026	101.4	10248.5	7,710	5,600	680,480	10751	N/A
57	2/15/2026	98.3	10337.4	7,820	5,609	680,690	10847	N/A
58	1/16/2026	101.3	10115.8	7624	5508	680,610	10677	N/A
59	1/16/2026	105.4	10286.2	8659	5692	680,540	10634	N/A
60	1/17/2026	97.2	10384.9	8174	5118	477,650	10437	N/A
61	1/17/2026	103.3	10205.2	7288	5440	680,450	10744	N/A
62	1/18/2026	98.6	10183.1	7594	5578	680,440	10640	N/A
63	1/18/2026	91.6	10281.5	8039	5087	681,110	11002	N/A
64	1/19/2026	105.9	10004.5	6815	5741	680,780	10448	N/A
65	1/19/2026	99.2	10139.6	7057	5383	680,400	10486	N/A
66	1/20/2026	94.1	10100.4	8227	5654	680,540	10613	N/A
67	1/20/2026	91.9	10283.2	7385	5378	681,010	10940	N/A
68	1/21/2026	107.2	10232.7	7226	6,470	680,520	10591	N/A
69	1/21/2026	107.5	10290.1	7411	5447	681,120	10619	N/A
70	1/23/2026	101.2	9901.9	7138	5549	680,670	10703	N/A
71	2/4/2026	96.5	9961.5	7944	4684	680,020	13328	N/A
72	2/4/2026	97.1	9634.7	7999	6050	681,287	10763	N/A
73	2/4/2026	90.2	9323.5	8330	6074	704,657	11201	N/A
74	2/4/2026	94.2	9261.7	3807	5673	704,522	11182	N/A
75	2/5/2026	94.8	9541.0	5600	4317	703,930	10676	N/A
76	2/5/2026	87.0	9867.0	6109	5747	570,850	11266	N/A
77	2/6/2026	95.9	9820.0	4925	6702	703,950	10712	N/A
78	2/6/2026	98.1	8960.5	5,543	4,931	704,270	10915	N/A
79	2/7/2026	95.3	9194.1	5,960	5,842	705,610	10780	N/A
80	2/9/2026	96.8	9090.1	5,521	5,701	704,080	10885	N/A
81	2/9/2026	97.5	9010.0	4,903	5,539	703,670	10774	N/A
82	2/10/2026	97.3	8984.0	4,566	5,864	703,750	10613	N/A
83	2/10/2026	96.6	8650.0	5,075	5,793	704,510	10827	N/A
84	2/10/2026	97.5	8724.2	8,019	5,145	703,780	10829	N/A
85	2/11/2026	100.9	9574.5	6,170	5,820	703,840	10983	N/A
86	2/11/2026	101.5	9314.4	5,655	4,887	707,770	10596	N/A
87	2/11/2026	102.5	9136.4	4,583	4,337	703,750	10749	N/A
88	2/12/2026	101.6	9328.6	5,934	4,863	703,780	11345	N/A
89	2/12/2026	102.0	9481.0	5,433	5,180	702,750	10522	N/A
90	2/12/2026	96.3	8574.9	5,828	4,492	703,680	10709	N/A
91	2/13/2026	98.3	9202.1	6,412	4,050	703,730	11054	N/A
92	2/13/2026	101.5	9144.1	5,310	4,649	703,690	10560	N/A
93	2/13/2026	99.4	8910.1	5,694	5,181	703,880	10499	N/A
94	2/14/2026	94.4	9559.1	9,377	3,971	703,740	11536	N/A
95	2/14/2026	102.1	8842.7	5,260	4,370	703,950	10568	N/A
96	2/14/2026	102.1	8825.1	5,775	5,329	703,690	10372	N/A
97	2/14/2026	94.9	8815.7	5,865	4,318	703,830	12661	N/A
98	2/15/2026	99.7	9225.7	5,817	4,235	703,680	12534	N/A
99	2/15/2026	101.1	8914.0	5,489	5,762	704,000	10398	N/A
100	2/16/2026	102.9	8824.9	4,726	4,237	703,820	10594	N/A
101	2/16/2026	100.9	9006.0	5,726	3,984	703,730	11447	N/A
102	2/17/2026	103.6	8726.0	5,537	4,648	704,200	10300	N/A
103	2/17/2026	100.5	9134.5	5,205	4,764	703,900	11339	N/A
104	2/18/2026	99.8	8629.6	5,600	6,026	703,450	10135	N/A
105	2/18/2026	102.3	8981.9	6,852	5,142	703,880	10311	N/A
106	2/18/2026	101.7	8729.0	3,169	5,866	705,750	10370	N/A
107	2/19/2026	102.3	8204.7	5,790	4,027	703,780	10310	N/A
108	2/20/2026	101.3	8520.4	5,632	4,718	703,900	10485	N/A
109	2/20/2026	103.9	8405.9	5,186	4,502	693,160	12448	N/A
110	2/21/2026	102.4	8181.8	5,061	3,967	703,700	10348	N/A
AVERAGE	95	9769	7,056	5,352		73,341,056	1,282,470	TOTAL

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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, Occ Siltstone	275	425	275	425
Silty Sandstone	425	625	425	625
Sandstone, Siltstone	625	925	625	925
Sandy Siltstone	725	1,175	725	1,175
Siltstone, Occ Sandstone	925	1,175	925	1,175
Sandy Siltstone	1,175	1,275	1,175	1,275
Siltstone, tr Sandstone	1,275	1,325	1,275	1,325
Siltstone, tr Sandstone, tr Shale	1,325	1,825	1,325	1,825
Sandstone	1,825	1,975	1,825	1,975
Silty Sandstone	1,975	2,125	1,975	2,125
Sandstone, Occ Siltstone	2,125	2,275	2,125	2,275
Sandstone	2,275	2,325	2,275	2,325
Silty Sandstone	2,325	2,181	2,325	2,181
Big Lime	2,206	2,610	2,181	2,611
Fifty Foot Sandstone	2,610	2,747	2,586	2,748
Gordon	2,747	2,921	2,723	2,922
Fifth Sandstone	2,921	3,193	2,897	3,195
Bayard	3,193	3,768	3,170	3,775
Speechley	3,768	3,925	3,750	3,934
Balltown	3,925	4,556	3,909	4,570
Bradford	4,556	5,047	4,545	5,065
Benson	5,047	5,306	5,040	5,326
Alexander	5,306	6,779	5,301	6,844
Sycamore	6,600	6,754	6,639	6,819
Middlesex	6,754	6,894	6,819	7,021
Burkett	6,894	7,038	7,021	7,347
Marcellus	7,038	NA	7,347	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.

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Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	12/09/2025
Job End Date:	02/21/2026
State:	West Virginia
County:	Lewis
API Number:	47-041-05761-00-00
Operator Name:	Antero Resources Corporation
Well Name and Number:	Van Wie 1221 N-2H
Latitude:	39.09478
Longitude:	-80.668443
Datum:	NAD27
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	7166
Total Base Water Volume (gal)*:	53863740
Total Base Non Water Volume:	0



Water Source	Percent
Other, > 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
Water	Operator	Carrier/Base Fluid					
			Water	7732-18-5	100.00000	85.69258	None
Sand (40/70 White Proppant)	Operator	Proppant					
			Crystalline Silica (quartz)	14808-60-7	100.00000	12.43186	None
Sand (100 Mesh Proppant)	Operator	Proppant					
			Crystalline Silica (quartz)	14808-60-7	100.00000	1.53976	None
Other Chemical(s)	Listed Above	See Trade Name(s) List					
			Water	7732-18-5	85.00000	0.18622	None
			Water	7732-18-5	90.00000	0.01563	None
			Inorganic salt	Proprietary	10.00000	0.01034	None

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			Oxyalkylated alcohol	Proprietary	5.00000	0.00517	None
			Petroleum distillate	64741-44-2	60.00000	0.00471	None
			Guar gum	9000-30-0	41.00000	0.00273	None
			Non-hazardous substances	Proprietary	70.00000	0.00260	None
			Inorganic salt	Proprietary	10.00000	0.00204	None
			Substituted alkylamine	Proprietary	1.00000	0.00103	None
			Oxyalkylated alcohol	Proprietary	5.00000	0.00102	None
			Methanol	67-56-1	20.00000	0.00074	None
			Quarternary Ammonium Compounds, Benzyl-C12-C16-alkyldimethyl, Chlorides	68424-85-1	3.00000	0.00052	None
			Didecyl dimethyl ammonium chloride	7173-51-5	3.00000	0.00052	None
			Trade Secret	Proprietary	4.00000	0.00027	None
			Substituted alkylamine	Proprietary	1.00000	0.00020	None
			Trade Secret	Proprietary	2.00000	0.00013	None
			Trade Secret	Proprietary	2.00000	0.00013	None
Hydrochloric Acid (15%)	Pad2Pad	Acidizing					
			Water	7732-18-5	85.00000	0.18622	None
			Hydrochloric Acid	7647-01-0	15.00000	0.03286	None
TRUSlick C	Pad2Pad	Friction Reducer					
			Hydrotreated light distillate	64742-47-8	30.00000	0.03101	None
			Inorganic salt	Proprietary	10.00000	0.01034	None
			Oxyalkylated alcohol	Proprietary	5.00000	0.00517	None
			Substituted alkylamine	Proprietary	1.00000	0.00103	None
Aquacide 12:3	Pad2Pad	Biocide					
			Water	7732-18-5	90.00000	0.01563	None
			Glutaraldehyde	111-30-8	20.00000	0.00347	None
			Quarternary Ammonium Compounds, Benzyl-C12-C16-alkyldimethyl, Chlorides	68424-85-1	3.00000	0.00052	None
			Didecyl dimethyl ammonium chloride	7173-51-5	3.00000	0.00052	None
SI 9125	Pad2Pad	Scale Inhibitor					
			Non-hazardous substances	Proprietary	80.00000	0.01635	None

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TruGel 100	Pad2Pad	Guar					
			Petroleum distillate	64741-44-2	60.00000	0.00471	None
			Guar Gum	9000-30-0	60.00000	0.00471	None
TRUSlick 4C	Pad2Pad	Friction Reducer					
			Hydrotreated light distillate	64742-47-8	30.00000	0.00613	None
			Inorganic salt	Proprietary	10.00000	0.00204	None
			Oxyalkylated alcohol	Proprietary	5.00000	0.00102	None
			Substituted alkylamine	Proprietary	1.00000	0.00020	None
CoilSTREAM VB 625	Chemstream	Visc. Builder					
			Heavy Aliphatic Naphtha	64742-96-7	50.00000	0.00333	None
			Guar gum	9000-30-0	41.00000	0.00273	None
			Trade Secret	Proprietary	4.00000	0.00027	None
			Trade Secret	Proprietary	2.00000	0.00013	None
			Trade Secret	Proprietary	2.00000	0.00013	None
TruCorr 880	Pad2Pad	Corrosion Inhibitor					
			Non-hazardous substances	Proprietary	70.00000	0.00260	None
			1-Hydroxyethylidene-, 1-diphosphonic acid (HEDP)	2809-21-4	20.00000	0.00074	None
			Methanol	67-56-1	20.00000	0.00074	None
TruBreak 100	Pad2Pad	Breaker					
			Ammonium Persulfate	7727-54-0	100.00000	0.00018	None

Ingredients shown above are subject to 29 CFR 1910.1200(i) and appear on Material Safety Data Sheets (MSDS). Ingredients shown below are Non-MSDS

* 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.

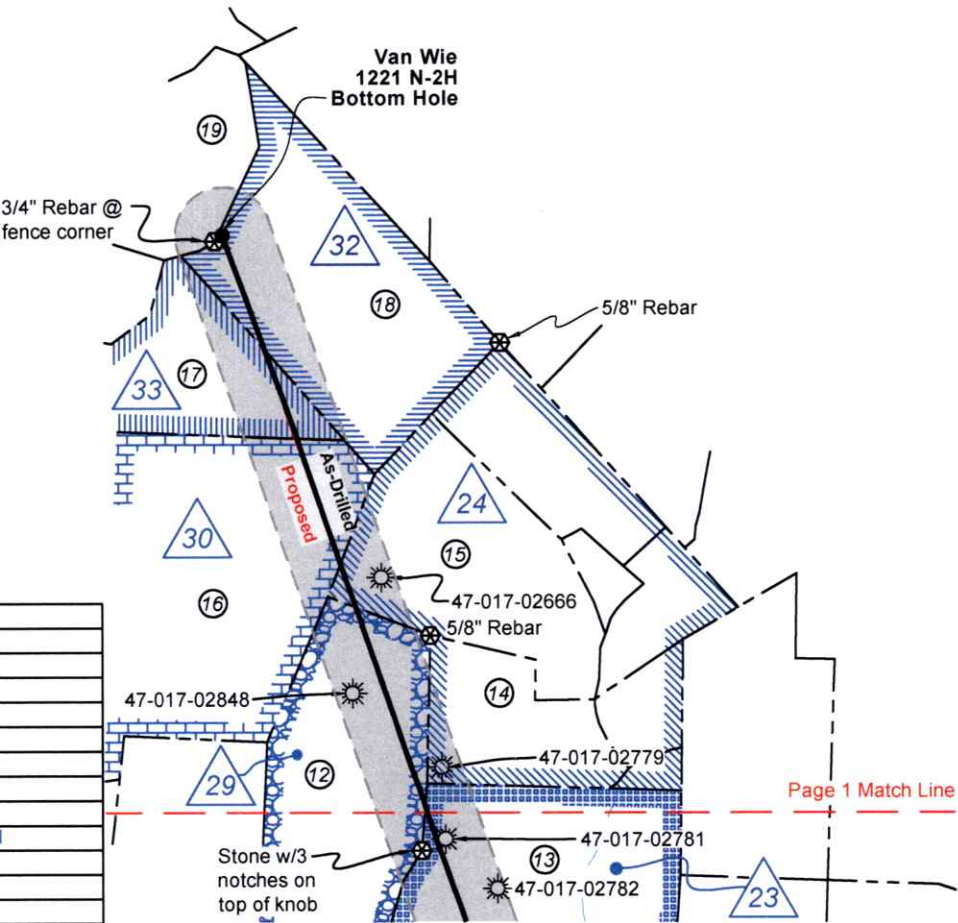
Ingredient information for chemicals subject to 29 CFR 1910.1200(i) and Appendix D are obtained from suppliers Material Safety Data Sheets (MSDS)

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ID	Lease
3	Joseph Krenn, et ux
4	HG Energy II Appalachia, LLC
5	John Tierney
7	William E. Ruppert, et al
10	Fonce Brown & Rita Brown
14	HG Energy II Appalachia, LLC
23	HG Energy II Appalachia, LLC
24	Stella Severin, et al
29	William Smith Wysong, Jr., et al
30	E. Cole, et al
32	George J. Determan, et ux
33	W.H. Shulte

Legend	
	Proposed gas well
	Well Reference, as noted
	Monument, as noted
	Existing Well, as noted
	Existing Plugged Well, as noted
	Digitized Well, as noted
	Creek or Drain
	Existing Road
	Surface boundary (approx.)

Notes
West Virginia Coordinate System of 1927, South Zone
based upon Differential GPS Measurements.
Well No. Van Wie Unit 1221 N-2H
Top Hole coordinates are
N: 762,983.44' Latitude: 39°05'41.21"
E: 2,094,062.16' Longitude: 80°40'07.03"
Bottom Hole coordinates are
N: 783,530.80' Latitude: 39°09'04.55"
E: 2,086,522.65' Longitude: 80°41'41.79"
UTM Zone 17, NAD 1983
Top Hole Coordinates Bottom Hole Coordinates
N: 4,327,356.930m N: 4,333,616.717m
E: 528,672.045m E: 526,374.480m
Plat orientation and corner and well references are based upon the grid north meridian.
Well location references are based upon the magnetic meridian.

Notes:
Well No. Van Wie Unit 1221 N-2H
As-Drilled POE Coordinates
WV Coordinate System of 1927, South Zone
N: 763,249.76'
E: 2,093,713.32'
Latitude: 39°05'43.86"
Longitude: 80°40'11.44"
UTM Zone 17, NAD 1983
N: 4,327,438.058m
E: 528,565.756m

Lewis Co. (Freemans Creek Dist.)				
No.	TM / Par	Owner	Bk / Pg	Ac.
1	2D / 3	HG Energy II Appalachia, LLC	800 / 637	131.85
2	2D / 29	Anthony S. & Dawn H. VanWie	732 / 622	26.63
3	2D / 3.1	HG Energy II Appalachia, LLC	800 / 637	20.00
4	2C / 7	James R. & Shelia A. Gum, II	721 / 350	350.78
5	2D / 48	John M. Keely, et al	541 / 127	81.00
6	2C / 4	Susanne Seccurro	725 / 199	111.75
7	2C / 3	Stephen Ruppert	666 / 428	102.46
8	2C / 2	Clarence D. Brown	W4 / 572	96.50
9	2D / 2	Calvin Stout	104 / 375	3.25
Doddridge Co. (Cove Dist.)				
No.	TM / Par	Owner	Bk / Pg	Ac.
10	10 / 12	John & Barbara Mayer	330 / 248	30.28
11	10 / 14	Clarence D. Brown	W20 / 306	180.00
12	10 / 5	Edith G. Wilson Trust	255 / 247	159.30
13	6 / 11	Joseph D. & Darlene K. Church	244 / 451	107.60
14	6 / 10.1	Leah Kelly	488 / 492	52.83
15	6 / 10.3	Brandon W. Gilbert	211 / 126	104.90
16	6 / 9	Marcella Yeater	328 / 667	193.00
17	6 / 3	Mary A. Ruddy & Teigh R. Byrne	221 / 500	101.08
18	6 / 4	Mary A. Ruddy & Teigh R. Byrne	226 / 360	140.00
Doddridge Co. (New Milton Dist.)				
No.	TM / Par	Owner	Bk / Pg	Ac.
19	19 / 12	Sandra E. Erwin	W80 / 32	79.30

FILE NO: 63-12-FC-26
DRAWING NO: Van Wie 1221 N-2H As-Drilled
SCALE: 1" = 2000'
MINIMUM DEGREE OF ACCURACY: Submeter
PROVEN SOURCE OF ELEVATION: CORS, Bridgeport, WV

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

DATE: July 15 20 26
OPERATOR'S WELL NO. Van Wie 1221 N-2H
API WELL NO
47 — 041 — 05761
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: 1,251.77' WATERSHED: Fink Creek
DISTRICT: Freemans Creek
SURFACE OWNER: HG Energy II Appalachia, LLC, et al
ROYALTY OWNER: Joseph Krenn, et al LEASE NO: ACREAGE: 245
PROPOSED WORK: ☐ DRILL ☐ CONVERT ☐ DRILL DEEPER ☐ FRACTURE OR STIMULATE ☐ PLUG OFF OLD FORMATION
☐ PERFORATE NEW FORMATION ☒ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) As-Drilled 7,165' TVD
☐ PLUG AND ABANDON ☐ CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 29,082' 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