WR-35
Rev. 8/23/13

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

API 47 - 085 - 10554 County Ritchie District Union
Quad Pullman 7.5' Pad Name Minear Field/Pool Name -----
Farm name Louis Daniel Easterday Revocable Living Trust Well Number Sail 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 4338904m Easting 503613m
Landing Point of Curve Northing 4339166m Easting 503485m
Bottom Hole Northing 4343355m Easting 502098m

Elevation (ft) 1097' 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

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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 3/13/2025 Date drilling commenced 4/13/2025 Date drilling ceased 7/11/2025
Date completion activities began 8/19/2025 Date completion activities ceased 10/13/2025
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 757' Open mine(s) (Y/N) depths No
Salt water depth(s) ft 1522' Void(s) encountered (Y/N) depths No
Coal depth(s) ft N/A Cavern(s) encountered (Y/N) depths No
Is coal being mined in area (Y/N) No

Reviewed by:

Reviewed

09/04/2026

API 47- 085 - 10554 Farm name Louis Daniel Easterday Revocable Living Trust Well number Sail 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	94#, J-55	N/A	Y
Surface	17-1/2"	13-3/8"	865'	New	54.5#, J-55	N/A	Y
Coal							
Intermediate 1	12-1/4"	9-5/8"	3228'	New	36#, J-55	N/A	Y
Intermediate 2							
Intermediate 3							
Production	8-3/4"/8-1/2"	5-1/2"	21330'	New	23#, P-110	N/A	Y
Tubing		2-3/8"	6444'		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	243 sx	15.6	1.18	287	0'	8 Hrs.
Surface	Class A	704 sx	15.6	1.19	838	0'	8 Hrs.
Coal							
Intermediate 1	Class A	1088 sx	15.6	1.18	1284	0'	8 Hrs.
Intermediate 2							
Intermediate 3							
Production	Class H	3879 sx (Tail)	13.5 (Spacer), 15.2(Tail)	1.26 (Tail)	4888	~500' into Intermediate Casing	8 Hrs.
Tubing							

Drillers TD (ft) 21,330' MD, 6,376' TVD (BHL), 6,376' TVD (Deepest Point Drilled) Loggers TD (ft) 21,300' MD

Deepest formation penetrated Marcellus Plug back to (ft) N/A

Plug back procedure N/A

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Kick off depth (ft) 5,824'

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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8-12-2026

API 47- 085 - 10554 Farm name Louis Daniel Easterday Revocable Living Trust Well number Sail Unit 1H

PERFORATION RECORD

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

***PLEASE SEE ATTACHED EXHIBIT 1**

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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.

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PRODUCING FORMATION(S)	DEPTHS			
Marcellus	6,316' (TOP)	TVD	6,636' (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	Oil	NGL	Water	GAS MEASURED BY
	15,785.29 mcfpd	218.09 bpd	--- bpd	795.15 bpd	□ 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_2S, ETC)

*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 _____ Title Permitting Agent Date _____

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

09/04/2026

API 47-085-10554 Farm Name Louis Daniel Easterday Revocable Living Trust Well Number Sail Unit 1H

EXHIBIT 1

Stage No.	Perforation Date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formations
1	8/19/2025	21253	21279	36	Marcellus
2	8/19/2025	21053.0411	21221.6735	36	Marcellus
3	8/20/2025	20853.08219	21021.7146	36	Marcellus
4	8/20/2025	20653.12329	20821.7557	36	Marcellus
5	8/21/2025	20453.16438	20621.7968	36	Marcellus
6	8/21/2025	20253.20548	20421.8379	36	Marcellus
7	8/22/2025	20053.24658	20221.879	36	Marcellus
8	8/22/2025	19853.28767	20021.9201	36	Marcellus
9	8/23/2025	19653.32877	19821.9612	36	Marcellus
10	8/23/2025	19453.36986	19622.0023	36	Marcellus
11	8/23/2025	19253.41096	19422.0434	36	Marcellus
12	8/24/2025	19053.45205	19222.0845	36	Marcellus
13	8/24/2025	18853.49315	19022.1256	36	Marcellus
14	8/25/2025	18653.53425	18822.1667	36	Marcellus
15	8/25/2025	18453.57534	18622.2078	36	Marcellus
16	8/25/2025	18253.61644	18422.2489	36	Marcellus
17	8/26/2025	18053.65753	18222.29	36	Marcellus
18	8/26/2025	17853.69863	18022.3311	36	Marcellus
19	8/26/2025	17653.73973	17822.3721	36	Marcellus
20	8/27/2025	17453.78082	17622.4132	36	Marcellus
21	8/27/2025	17253.82192	17422.4543	36	Marcellus
22	8/28/2025	17053.86301	17222.4954	36	Marcellus
23	8/28/2025	16853.90411	17022.5365	36	Marcellus
24	8/28/2025	16653.94521	16822.5776	36	Marcellus
25	8/29/2025	16453.9863	16622.6187	36	Marcellus
26	8/29/2025	16254.0274	16422.6598	36	Marcellus
27	8/30/2025	16054.06849	16222.7009	36	Marcellus
28	8/30/2025	15854.10959	16022.742	36	Marcellus
29	8/30/2025	15654.15068	15822.7831	36	Marcellus
30	8/31/2025	15454.19178	15622.8242	36	Marcellus
31	8/31/2025	15254.23288	15422.8653	36	Marcellus
32	8/31/2025	15054.27397	15222.9064	36	Marcellus
33	9/1/2025	14854.31507	15022.9475	36	Marcellus
34	9/1/2025	14654.35616	14822.9886	36	Marcellus
35	9/1/2025	14454.39726	14623.0297	36	Marcellus
36	9/2/2025	14254.43836	14423.0708	36	Marcellus
37	9/2/2025	14054.47945	14223.1119	36	Marcellus
38	9/2/2025	13854.52055	14023.153	36	Marcellus
39	9/3/2025	13654.56164	13823.1941	36	Marcellus
40	9/3/2025	13454.60274	13623.2352	36	Marcellus
41	9/4/2025	13254.64384	13423.2763	36	Marcellus
42	9/4/2025	13054.68493	13223.3174	36	Marcellus
43	9/4/2025	12854.72603	13023.3584	36	Marcellus
44	9/5/2025	12654.76712	12823.3995	36	Marcellus
45	9/5/2025	12454.80822	12623.4406	36	Marcellus
46	9/5/2025	12254.84932	12423.4817	36	Marcellus
47	9/6/2025	12054.89041	12223.5228	36	Marcellus
48	9/6/2025	11854.93151	12023.5639	36	Marcellus
49	9/7/2025	11654.9726	11823.605	36	Marcellus
50	9/7/2025	11455.0137	11623.6461	36	Marcellus
51	9/7/2025	11255.05479	11423.6872	36	Marcellus
52	9/8/2025	11055.09589	11223.7283	36	Marcellus
53	9/8/2025	10855.13699	11023.7694	36	Marcellus
54	9/8/2025	10655.17808	10823.8105	36	Marcellus
55	9/9/2025	10455.21918	10623.8516	36	Marcellus
56	9/9/2025	10255.26027	10423.8927	36	Marcellus
57	9/9/2025	10055.30137	10223.9338	36	Marcellus
58	9/10/2025	9855.342466	10023.9749	36	Marcellus
59	9/10/2025	9655.383562	9824.01598	36	Marcellus
60	9/11/2025	9455.424658	9624.05708	36	Marcellus
61	9/11/2025	9255.465753	9424.09817	36	Marcellus
62	9/11/2025	9055.506849	9224.13927	36	Marcellus
63	9/12/2025	8855.547945	9024.18037	36	Marcellus
64	9/12/2025	8655.589041	8824.22146	36	Marcellus
65	9/12/2025	8455.630137	8624.26256	36	Marcellus
66	9/13/2025	8255.671233	8424.30365	36	Marcellus
67	9/13/2025	8055.712329	8224.34475	36	Marcellus
68	9/14/2025	7855.753425	8024.38584	36	Marcellus
69	9/14/2025	7655.794521	7824.42694	36	Marcellus
70	9/14/2025	7455.835616	7624.46804	36	Marcellus
71	9/15/2025	7255.876712	7424.50913	36	Marcellus
72	9/15/2025	7055.917808	7224.55023	36	Marcellus
73	9/15/2025	6855.958904	7024.59132	36	Marcellus
74	9/16/2025	6656	6824.63242	36	Marcellus

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API 47-085-10554 **Farm Name** Louis Daniel Easterday Revocable Living Trust **Well Number** Sail Unit 1H

EXHIBIT 2

Stage No.	Stimulations Date	Avg Pump Rate	Avg Treatment Pressure (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Amount of Proppant (lbs)	Amount of Water (bbls)	Amount of Nitrogen/ other (units)
1	8/19/2025	84.3	8903	6148	3133	129920	3722.381	N/A
2	8/19/2025	98.5	10309	7081	5086	404380	7242.8571	N/A
3	8/20/2025	96	9939	4744	3630	408540	7233.3333	N/A
4	8/20/2025	99.7	10559	6527	3883	414280	7223.8095	N/A
5	8/21/2025	96.6	10145	5510	4006	413780	7214.2857	N/A
6	8/21/2025	100.2	10558	6640	4130	412860	7207.1429	N/A
7	8/22/2025	94.3	9690	4023	4301	415460	7200	N/A
8	8/22/2025	93.6	9993	6084	3392	406780	7190.4762	N/A
9	8/23/2025	95.6	10055	6203	4454	410460	7180.9524	N/A
10	8/23/2025	94.2	10045	6220	3236	411440	7173.8095	N/A
11	8/23/2025	96.9	9684	4627	4335	409640	7166.6667	N/A
12	8/24/2025	97.1	9807	5714	3511	413360	7157.1429	N/A
13	8/24/2025	96.3	9805	6448	3352	411540	7147.619	N/A
14	8/25/2025	96.7	9732	4442	3831	414940	7138.0952	N/A
15	8/25/2025	99.2	9991	5568	3689	416480	7130.9524	N/A
16	8/25/2025	99.1	9992	3617	3796	415100	7123.8095	N/A
17	8/26/2025	97.1	9730	4607	3987	411680	7114.2857	N/A
18	8/26/2025	96.1	10180	6782	3685	414040	7104.7619	N/A
19	8/26/2025	97.3	9950	5175	4523	417140	7097.619	N/A
20	8/27/2025	93.5	9485	6889	4220	408440	7090.4762	N/A
21	8/27/2025	97.3	9949	4765	3902	408600	7080.9524	N/A
22	8/28/2025	97.8	9323	5480	3826	408520	7071.4286	N/A
23	8/28/2025	97.7	9361	6742	3760	405100	7061.9048	N/A
24	8/28/2025	96.5	9972	6375	3826	411800	7054.7619	N/A
25	8/29/2025	97.5	9402	5149	3946	409960	7047.619	N/A
26	8/29/2025	92.2	10048	6758	3743	407980	7038.0952	N/A
27	8/30/2025	97.1	9401	6587	3994	414760	7028.5714	N/A
28	8/30/2025	96.7	8860	3557	2999	410460	7021.4286	N/A
29	8/30/2025	99.3	10136	4940	4295	413840	7014.2857	N/A
30	8/31/2025	97	9855	5648	3724	408240	7004.7619	N/A
31	8/31/2025	95.6	9698	6576	3670	411120	6995.2381	N/A
32	8/31/2025	97	9116	5655	3646	407300	6985.7143	N/A
33	9/1/2025	97.3	8948	4876	3630	408780	6978.5714	N/A
34	9/1/2025	96.9	9638	4799	3533	408320	6971.4286	N/A
35	9/1/2025	95.6	9760	5452	4342	410660	6961.9048	N/A
36	9/2/2025	93.7	9444	6696	4168	409680	6952.381	N/A
37	9/2/2025	98.2	8766	4463	4320	405560	6945.2381	N/A
38	9/2/2025	97.5	8315	4446	3324	413660	6938.0952	N/A
39	9/3/2025	95.8	8733	4198	3616	409260	6928.5714	N/A
40	9/3/2025	97.5	9463	5984	3845	414860	6919.0476	N/A
41	9/4/2025	97.5	8313	4853	3194	412580	6909.5238	N/A
42	9/4/2025	96.1	8740	4148	3509	406780	6902.381	N/A
43	9/4/2025	97.8	8213	4504	3884	414520	6895.2381	N/A
44	9/5/2025	96	8630	6731	3458	410500	6885.7143	N/A
45	9/5/2025	97.3	8360	4870	3583	411220	6876.1905	N/A
46	9/5/2025	98.4	8593	7294	3510	409140	6869.0476	N/A
47	9/6/2025	98.5	8448	6782	3710	408760	6861.9048	N/A
48	9/6/2025	88	9575	5312	3997	411740	6852.381	N/A
49	9/7/2025	96.7	8425	6426	3561	413580	6842.8571	N/A
50	9/7/2025	97.3	8085	4426	3856	415620	6833.3333	N/A
51	9/7/2025	96.8	8210	4748	3876	412720	6828.5714	N/A
52	9/8/2025	97.9	8196	6310	3464	408700	6823.8095	N/A
53	9/8/2025	100	7812	4296	3547	412260	6819.0476	N/A
54	9/8/2025	92.9	8612	6196	3218	409200	6814.2857	N/A
55	9/9/2025	98.5	7725	5498	3510	416240	6811.9048	N/A
56	9/9/2025	97.6	8216	5846	3765	417003	6807.1429	N/A
57	9/9/2025	97.9	8213	6094	3223	397240	6802.381	N/A
58	9/10/2025	98.2	8193	6068	3208	409480	6797.619	N/A
59	9/10/2025	96.3	8501	5378	3667	412160	6792.8571	N/A
60	9/11/2025	98.8	7810	5666	3198	409940	6790.4762	N/A
61	9/11/2025	95.7	7891	5249	4081	407680	6785.7143	N/A
62	9/11/2025	96	7409	5143	2752	412100	6780.9524	N/A
63	9/12/2025	97.1	8002	5024	3470	410260	6776.1905	N/A
64	9/12/2025	97.2	7771	6544	4207	411640	6773.8095	N/A
65	9/12/2025	98	7963	4515	3570	412720	6769.0476	N/A
66	9/13/2025	96.7	7316	4696	3837	409540	6764.2857	N/A
67	9/13/2025	95.7	7962	6180	3848	414600	6759.5238	N/A
68	9/14/2025	95.9	7852	3813	3443	416700	6754.7619	N/A
69	9/14/2025	97.9	7085	4623	4002	416140	6752.381	N/A
70	9/14/2025	95.2	7638	6523	3740	407420	6747.619	N/A
71	9/15/2025	98.2	7509	4175	3441	412660	6742.8571	N/A
72	9/15/2025	97.5	7357	6351	4017	418140	6738.0952	N/A
73	9/15/2025	98	7074	5560	3421	415540	6735.7143	N/A
74	9/16/2025	79.6	8342	3701	3885	409800	6730.9524	N/A
	AVERAGE	**96.4**	**8,929**	**5,483**	**3,742**	**30,153,043**	**511,289**	0

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API 47-085-10554 Farm Name Louis Daniel Easterday Revocable Living Trust Well Number Sail Unit 1H

EXHIBIT 3

LITHOLOGY/ FORMATION	TOP DEPTH (TVD) From Surface	BOTTOM DEPTH (TVD) From Surface	TOP DEPTH (MD) From Surface	BOTTOM DEPTH (MD) From Surface
Claystone, com SS, tr Sltst	874	924	874	924
Claystone, occ LS, rr Sltst	924	1,024	924	1,024
Sandstone, occ Sltst, rr Coal, tr LS	1,024	1,124	1,024	1,124
Sandstone, tr Sltst, tr Coal	1,074	1,174	1,074	1,174
Sandstone, occ Sltst, tr Coal	1,124	1,174	1,124	1,174
Sandstone, com Sltst, tr Shale	1,174	1,224	1,174	1,224
Sandstone, com Sltst	1,224	1,274	1,224	1,274
Sandstone, tr Sltst	1,274	1,424	1,274	1,424
Siltstone, occ Sandstone	1,424	1,524	1,424	1,524
Siltstone, occ Shale, tr Sandstone	1,524	1,574	1,524	1,574
Siltstone, occ Shale, tr coal, tr SS	1,574	1,674	1,574	1,674
Sandstone, tr Shale	1,674	1,724	1,674	1,724
Sandstone, tr Siltstone	1,724	1,824	1,724	1,824
Sandstone, Siltstone	1,824	1,924	1,824	1,924
Limestone, Silty Sandstone	1,924	1,908	1,924	1,913
Big Lime	1,934	2,660	1,913	2,670
Fifty Foot Sandstone	2,660	2,712	2,644	2,722
Gordon	2,712	2,910	2,696	2,922
Fifth Sandstone	2,910	3,337	2,896	3,351
Bayard	3,337	3,837	3,325	3,855
Speechley	3,837	4,093	3,829	4,114
Balltown	4,093	4,541	4,088	4,575
Bradford	4,541	4,856	4,549	4,901
Benson	4,856	5,128	4,875	5,183
Alexander	5,128	6,161	5,157	6,313
Sycamore	5990	6135	6094	6287
Middlesex	6135	6239	6287	6476
Burkett	6239	6268	6476	6544
Tully	6268	6290	6544	6610
Marcellus	6290	NA	6610	NA

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WV Department of
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Antero Resources
1615 Wynkoop Street
Denver, CO 80202
Office 303.357.7310
Fax 303.357.7315

January 13, 2026

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JAN 14 2026
WV Department of
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West Virginia Department of Environmental Protection
Office of Oil and Gas
Attn: Wade Stansberry
601 57th Street
Charleston, WV 25304

Mr. Stansberry:

Please find enclosed the Well Operator's Report of Well Work, Form WR-35 (including As-Drilled Survey Plat, Directional Survey and FracFocus report), Discharge Monitoring Report Form WR-34 and corresponding logs for the following wells:

- Aft Unit 1H – Minear Pad
- Autumn Unit 1H – Minear Pad
- Elliott Unit 1H – Minear Pad
- Jib Unit 1H – Minear Pad
- Keel Unit 1H – Minear Pad
- Sail Unit 1H – Minear Pad

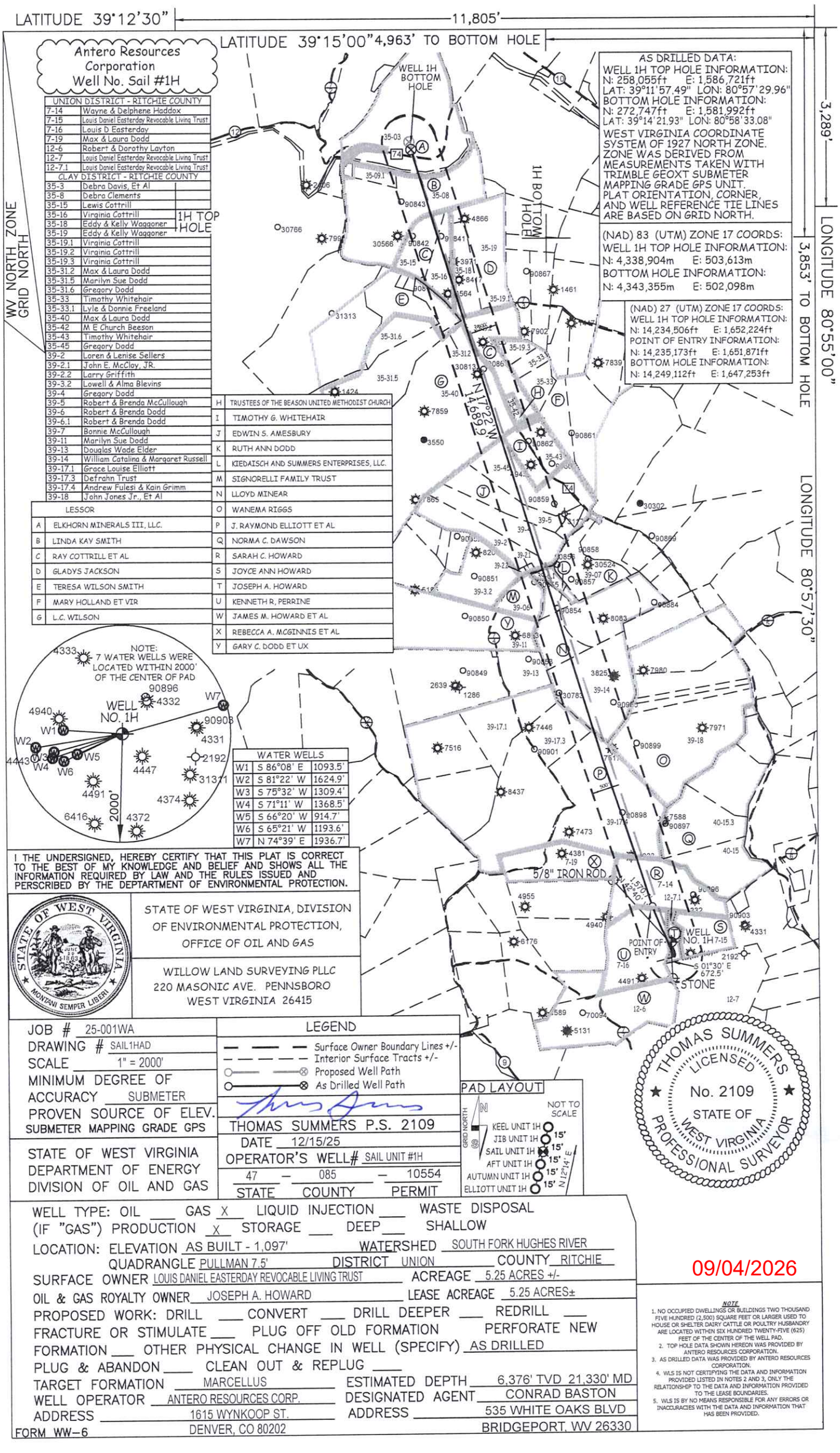
If you have any questions please feel free to contact me at (303) 357-6959.

Sincerely,

Stefan Gaspar
Permitting Agent
Antero Resources Corporation

Enclosures

09/04/2026


LATITUDE 39°12'30"
11,805'
LATITUDE 39°15'00" 4,963' TO BOTTOM HOLE
3,289'
LONGITUDE 80°55'00"
3,853' TO BOTTOM HOLE
LONGITUDE 80°57'30"
WV NORTH ZONE GRID NORTH
1H BOTTOM HOLE
WELL 1H BOTTOM HOLE
1H TOP HOLE
N 17°22' W 7986'
2000'
5/8" IRON ROD
POINT OF ENTRY
WELL NO. 1H
S 01°30' E 672.5'
STONE
NOTE: 7 WATER WELLS WERE LOCATED WITHIN 2000' OF THE CENTER OF PAD
WELL NO. 1H
Antero Resources Corporation Well No. Sail #1H
AS DRILLED DATA:
WELL 1H TOP HOLE INFORMATION:
N: 258,055ft E: 1,586,721ft
LAT: 39°11'57.49" LON: 80°57'29.96"
BOTTOM HOLE INFORMATION:
N: 272,747ft E: 1,581,992ft
LAT: 39°14'21.93" LON: 80°58'33.08"
WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH ZONE. ZONE WAS DERIVED FROM MEASUREMENTS TAKEN WITH TRIMBLE GEOXT SUBMETER MAPPING GRADE GPS UNIT. PLAT ORIENTATION, CORNER, AND WELL REFERENCE TIE LINES ARE BASED ON GRID NORTH.
(NAD) 83 (UTM) ZONE 17 COORDS:
WELL 1H TOP HOLE INFORMATION:
N: 4,338,904m E: 503,613m
BOTTOM HOLE INFORMATION:
N: 4,343,355m E: 502,098m
(NAD) 27 (UTM) ZONE 17 COORDS:
WELL 1H TOP HOLE INFORMATION:
N: 14,234,506ft E: 1,652,224ft
POINT OF ENTRY INFORMATION:
N: 14,235,173ft E: 1,651,871ft
BOTTOM HOLE INFORMATION:
N: 14,249,112ft E: 1,647,253ft
UNION DISTRICT - RITCHIE COUNTY
7-14 Wayne & Delphene Haddox
7-15 Louis Daniel Easterday Revocable Living Trust
7-16 Louis D Easterday
7-19 Max & Laura Dodd
12-6 Robert & Dorothy Layton
12-7 Louis Daniel Easterday Revocable Living Trust
12-7.1 Louis Daniel Easterday Revocable Living Trust
CLAY DISTRICT - RITCHIE COUNTY
35-3 Debra Davis, Et Al
35-8 Debra Clements
35-15 Lewis Cottrill
35-16 Virginia Cottrill
35-18 Eddy & Kelly Waggoner
35-19 Eddy & Kelly Waggoner
35-19.1 Virginia Cottrill
35-19.2 Virginia Cottrill
35-19.3 Virginia Cottrill
35-31.2 Max & Laura Dodd
35-31.5 Marilyn Sue Dodd
35-31.6 Gregory Dodd
35-33 Timothy Whitehair
35-33.1 Lyle & Donnie Freeland
35-40 Max & Laura Dodd
35-42 M E Church Beeson
35-43 Timothy Whitehair
35-45 Gregory Dodd
39-2 Loren & Lenise Sellers
39-2.1 John E. McCloy, JR.
39-2.2 Larry Griffith
39-3.2 Lowell & Alma Blevins
39-4 Gregory Dodd
39-5 Robert & Brenda McCullough
39-6 Robert & Brenda Dodd
39-6.1 Robert & Brenda Dodd
39-7 Bonnie McCullough
39-11 Marilyn Sue Dodd
39-13 Douglas Wade Elder
39-14 William Catalina & Margaret Russell
39-17.1 Grace Louise Elliott
39-17.3 Defrahn Trust
39-17.4 Andrew Fulesi & Kain Grimm
39-18 John Jones Jr., Et Al
LESSOR
A ELKHORN MINERALS III, LLC.
B LINDA KAY SMITH
C RAY COTTRILL ET AL
D GLADYS JACKSON
E TERESA WILSON SMITH
F MARY HOLLAND ET VIR
G L.C. WILSON
H TRUSTEES OF THE BEASON UNITED METHODIST CHURCH
I TIMOTHY G. WHITEHAIR
J EDWIN S. AMESBURY
K RUTH ANN DODD
L KIEDAISCH AND SUMMERS ENTERPRISES, LLC.
M SIGNORELLI FAMILY TRUST
N LLOYD MINEAR
O WANEMA RIGGS
P J. RAYMOND ELLIOTT ET AL
Q NORMA C. DAWSON
R SARAH C. HOWARD
S JOYCE ANN HOWARD
T JOSEPH A. HOWARD
U KENNETH R, PERRINE
W JAMES M. HOWARD ET AL
X REBECCA A. MCGINNIS ET AL
Y GARY C. DODD ET UX
WATER WELLS
W1 S 86°08' E 1093.5'
W2 S 81°22' W 1624.9'
W3 S 75°32' W 1309.4'
W4 S 71°11' W 1368.5'
W5 S 66°20' W 914.7'
W6 S 65°21' W 1193.6'
W7 N 74°39' E 1936.7'
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 PERSCRIBED BY THE DEPTARTMENT OF ENVIRONMENTAL PROTECTION.
STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
WILLOW LAND SURVEYING PLLC
220 MASONIC AVE. PENNSBORO
WEST VIRGINIA 26415
JOB # 25-001WA
DRAWING # SAIL1HAD
SCALE 1" = 2000'
MINIMUM DEGREE OF ACCURACY SUBMETER
PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS
STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS
LEGEND
Surface Owner Boundary Lines +/-
Interior Surface Tracts +/-
Proposed Well Path
As Drilled Well Path
THOMAS SUMMERS P.S. 2109
DATE 12/15/25
OPERATOR'S WELL# SAIL UNIT #1H
47 – 085 – 10554
STATE COUNTY PERMIT
PAD LAYOUT
NOT TO SCALE
KEEL UNIT 1H
JIB UNIT 1H
SAIL UNIT 1H
AFT UNIT 1H
AUTUMN UNIT 1H
ELLIOTT UNIT 1H
15'
N 12°14' E
THOMAS SUMMERS LICENSED No. 2109 STATE OF WEST VIRGINIA PROFESSIONAL SURVEYOR
09/04/2026
WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL
(IF "GAS") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW
LOCATION: ELEVATION AS BUILT - 1,097' WATERSHED SOUTH FORK HUGHES RIVER
QUADRANGLE PULLMAN 7.5' DISTRICT UNION COUNTY RITCHIE
SURFACE OWNER LOUIS DANIEL EASTERDAY REVOCABLE LIVING TRUST ACREAGE 5.25 ACRES +/-
OIL & GAS ROYALTY OWNER JOSEPH A. HOWARD LEASE ACREAGE 5.25 ACRES±
PROPOSED WORK: DRILL ___ CONVERT ___ DRILL DEEPER ___ REDRILL ___
FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION PERFORATE NEW
FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) AS DRILLED
PLUG & ABANDON ___ CLEAN OUT & REPLUG ___
TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,376' TVD 21,330' MD
WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT CONRAD BASTON
ADDRESS 1615 WYNKOOP ST. ADDRESS 535 WHITE OAKS BLVD
DENVER, CO 80202 BRIDGEPORT, WV 26330
FORM WW-6
NOTE
1. NO OCCUPIED DWELLINGS OR BUILDINGS TWO THOUSAND FIVE HUNDRED (2,500) SQUARE FEET OR LARGER USED TO HOUSE OR SHELTER DAIRY CATTLE OR POULTRY HUSBANDRY ARE LOCATED WITHIN SIX HUNDRED TWENTY-FIVE (625) FEET OF THE CENTER OF THE WELL PAD.
2. TOP HOLE DATA SHOWN HEREON WAS PROVIDED BY ANTERO RESOURCES CORPORATION.
3. AS DRILLED DATA WAS PROVIDED BY ANTERO RESOURCES CORPORATION.
4. WLS IS NOT CERTIFYING THE DATA AND INFORMATION PROVIDED LISTED IN NOTES 2 AND 3, ONLY THE RELATIONSHIP TO THE DATA AND INFORMATION PROVIDED TO THE LEASE BOUNDARIES.
5. WLS IS BY NO MEANS RESPONSIBLE FOR ANY ERRORS OR INACCURACIES WITH THE DATA AND INFORMATION THAT HAS BEEN PROVIDED.

Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	08/19/2025
Job End Date:	09/16/2025
State:	West Virginia
County:	Ritchie
API Number:	47-085-10554-00-00
Operator Name:	Antero Resources Corporation
Well Name and Number:	Sail Unit 1H
Latitude:	39.199395
Longitude:	-80.958161
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	6334
Total Base Water Volume (gal)*:	22607508
Total Base Non Water Volume:	0

FracFocus Chemical Disclosure Registry

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					
BELE LT Breaker	Chemstream	Breaker					
CIA-12	NexTier Completions Solutions	Acid corrision inhibitor					
Clearal 268A	Chemstream	Biocide					
CoilSTREAM VB 625	Chemstream	Visc. Builder					
Other Chemical(s)	Listed Above	See Trade Name(s)					
StimSTEAM FR 2800	Chemstream	Friction Reducer					
StimSTREAM FR 9800	Chemstream	Friction Reducer					

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Water	Operator	Carrier Fluid					
Items above are Trade Names. Items below are the individual ingredients.							
			Water	7732-18-5	100.00000	85.83545	
			Crystalline Silica	14808-60-7	99.90000	13.75306	
			Water	7732-18-5	85.00000	0.27538	
			Hydrochloric Acid	7647-01-0	15.00000	0.04860	
			Aluminum Oxide	1344-28-1	0.10000	0.01377	
			Hydrotreated light distillates	64742-47-8	25.00000	0.00851	
			Heavy Aliphatic Naphtha	64742-96-7	60.00000	0.00838	
			Water	7732-18-5	90.00000	0.00737	
			Guar gum	9000-30-0	50.00000	0.00698	
			Acrylamide-Chloride Salt of Trimethylammonio-Ethyl Acrylate copolymer	69418-26-4	40.00000	0.00513	
			Alkanes, C12-26-branched and linear	90622-53-0	40.00000	0.00513	
			Ammonium Persulfate	7727-54-0	89.00000	0.00393	
			Water	7732-18-5	15.00000	0.00193	
			Alcohols, C11-14-iso-, C13-rich, ethoxylated	78330-21-9	5.00000	0.00170	
			Glutaraldehyde	111-30-8	20.00000	0.00164	
			Trade Secret	Proprietary	5.00000	0.00070	
			Ethoxylated Alcohols (C12-16)	68551-12-2	5.00000	0.00064	
			Trade Secret	Proprietary	3.00000	0.00042	
			Trade Secret	Proprietary	3.00000	0.00042	
			Quaternary Ammonium Compounds, Benzyl-C12-C16-alkyldimethyl, Chlorides	68424-85-1	3.00000	0.00025	
			Didecyldimethylammonium Chloride	7173-51-5	3.00000	0.00025	
			Ethylene glycol	107-21-1	45.00000	0.00014	
			Glycol Ether EB	111-76-2	45.00000	0.00014	
			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	

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* 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)

09/04/2026