

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

API 47 - 085 - 10549 County Ritchie District Union
Quad Pullman 7.5' Pad Name Minear Field/Pool Name -----
Farm name Louis Daniel Easterday Revocable Living Trust Well Number Aft 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 4338899m Easting 503613m
Landing Point of Curve Northing 4338879m Easting 503366m
Bottom Hole Northing 4343268m Easting 501861m

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

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

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Date permit issued 3/13/2025 Date drilling commenced 4/13/2025 Date drilling ceased 6/23/2025
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

Reviewed by:

J. H.
09/04/2026

WR-35
Rev. 8/23/13

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API 47-085 - 10549 Farm name Louis Daniel Easterday Revocable Living Trust Well number Aft 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"	890'	New	54.5#, J-55	N/A	Y
Coal							
Intermediate 1	12-1/4"	9-5/8"	3220'	New	36#, J-55	N/A	Y
Intermediate 2							
Intermediate 3							
Production	8-3/4"/8-1/2"	5-1/2"	22174'	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	1090 sx	15.6	1.18	1286	0'	8 Hrs.
Intermediate 2							
Intermediate 3							
Production	Class H	4216 sx (Tail)	13.5 (Spacer), 15.2(Tail)	1.26 (Tail)	5312	~500' into Intermediate Casing	8 Hrs.
Tubing							

Drillers TD (ft) 22,174' MD, 6,383' TVD (BHL), 6,383' TVD (Deepest Point Drilled) Loggers TD (ft) 21,144' MD

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

Plug back procedure N/A

Kick off depth (ft) 5,578'

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

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- 085 - 10549 Farm name Louis Daniel Easterday Revocable Living Trust Well number Aft 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**

Please insert additional pages as applicable.

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STIMULATION INFORMATION PER STAGE

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Complete a separate record for each stimulation stage.

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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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API 47- 085 - 10549 Farm name Louis Daniel Easterday Revocable Living Trust Well number Aft Unit 1H

PRODUCING FORMATION(S)	DEPTHS
Marcellus	6,317' (TOP) TVD 6,715' (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 16,931.38 mcfpd Oil 233.34 bpd NGL --- bpd Water 827.70 bpd GAS MEASURED BY ☐ Estimated ☒ Orifice ☐ Pilot

LITHOLOGY/ FORMATION	TOP DEPTH IN FT NAME TVD	BOTTOM DEPTH IN FT TVD	TOP DEPTH IN FT MD	BOTTOM DEPTH IN FT MD	DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H ₂ S, ETC)
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***PLEASE SEE ATTACHED EXHIBIT 3**

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Please insert additional pages as applicable.

Drilling Contractor H & P Drilling
Address 912 N Eagle Valley Rd City Howard State PA Zip 16841

Logging Company Nine Energy Services
Address 6500 West Fwy City Fort Worth State TX Zip 76116

Cementing Company SLB
Address 5599 San Felipe St City Houston State TX Zip 77056

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

Please insert additional pages as applicable.

Completed by Stefan Gaspar Telephone 303-357-6959
Signature _____ Title Permitting Agent Date _____

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

JN.
09/04/2026 2026

API 47-085-10549 Farm Name Louis Daniel Easterday Revocable Living Trust Well Number Aft Unit 1H					
EXHIBIT 1					
Stage No.	Perforation Date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formations
1	8/19/2025	22098	22124	36	Marcellus
2	8/19/2025	21898.48052	22066.7468	36	Marcellus
3	8/20/2025	21698.96104	21867.2273	36	Marcellus
4	8/20/2025	21499.44156	21667.7078	36	Marcellus
5	8/21/2025	21299.92208	21468.1883	36	Marcellus
6	8/21/2025	21100.4026	21268.6688	36	Marcellus
7	8/22/2025	20900.88312	21069.1494	36	Marcellus
8	8/22/2025	20701.36364	20869.6299	36	Marcellus
9	8/23/2025	20501.84416	20670.1104	36	Marcellus
10	8/23/2025	20302.32468	20470.5909	36	Marcellus
11	8/23/2025	20102.80519	20271.0714	36	Marcellus
12	8/24/2025	19903.28571	20071.5519	36	Marcellus
13	8/24/2025	19703.76623	19872.0325	36	Marcellus
14	8/24/2025	19504.24675	19672.513	36	Marcellus
15	8/25/2025	19304.72727	19472.9935	36	Marcellus
16	8/25/2025	19105.20779	19273.474	36	Marcellus
17	8/26/2025	18905.68831	19073.9545	36	Marcellus
18	8/26/2025	18706.16883	18874.4351	36	Marcellus
19	8/26/2025	18506.64935	18674.9156	36	Marcellus
20	8/27/2025	18307.12987	18475.3961	36	Marcellus
21	8/27/2025	18107.61039	18275.8766	36	Marcellus
22	8/28/2025	17908.09091	18076.3571	36	Marcellus
23	8/28/2025	17708.57143	17876.8377	36	Marcellus
24	8/28/2025	17509.05195	17677.3182	36	Marcellus
25	8/29/2025	17309.53247	17477.7987	36	Marcellus
26	8/29/2025	17110.01299	17278.2792	36	Marcellus
27	8/29/2025	16910.49351	17078.7597	36	Marcellus
28	8/30/2025	16710.97403	16879.2403	36	Marcellus
29	8/30/2025	16511.45455	16679.7208	36	Marcellus
30	8/31/2025	16311.93506	16480.2013	36	Marcellus
31	8/31/2025	16112.41558	16280.6818	36	Marcellus
32	8/31/2025	15912.8961	16081.1623	36	Marcellus
33	9/1/2025	15713.37662	15881.6429	36	Marcellus
34	9/1/2025	15513.85714	15682.1234	36	Marcellus
35	9/1/2025	15314.33766	15482.6039	36	Marcellus
36	9/2/2025	15114.81818	15283.0844	36	Marcellus
37	9/2/2025	14915.2987	15083.5649	36	Marcellus
38	9/2/2025	14715.77922	14884.0455	36	Marcellus
39	9/3/2025	14516.25974	14684.526	36	Marcellus
40	9/3/2025	14316.74026	14485.0065	36	Marcellus
41	9/3/2025	14117.22078	14285.487	36	Marcellus
42	9/4/2025	13917.7013	14085.9675	36	Marcellus
43	9/4/2025	13718.18182	13886.4481	36	Marcellus
44	9/5/2025	13518.66234	13686.9286	36	Marcellus
45	9/5/2025	13319.14286	13487.4091	36	Marcellus
46	9/5/2025	13119.62338	13287.8896	36	Marcellus
47	9/6/2025	12920.1039	13088.3701	36	Marcellus
48	9/6/2025	12720.58442	12888.8506	36	Marcellus
49	9/6/2025	12521.06494	12689.3312	36	Marcellus
50	9/7/2025	12321.54545	12489.8117	36	Marcellus
51	9/7/2025	12122.02597	12290.2922	36	Marcellus
52	9/7/2025	11922.50649	12090.7727	36	Marcellus
53	9/8/2025	11722.98701	11891.2532	36	Marcellus
54	9/8/2025	11523.46753	11691.7338	36	Marcellus
55	9/9/2025	11323.94805	11492.2143	36	Marcellus
56	9/9/2025	11124.42857	11292.6948	36	Marcellus
57	9/9/2025	10924.90909	11093.1753	36	Marcellus
58	9/10/2025	10725.38961	10893.6558	36	Marcellus
59	9/10/2025	10525.87013	10694.1364	36	Marcellus
60	9/11/2025	10326.35065	10494.6169	36	Marcellus
61	9/11/2025	10126.83117	10295.0974	36	Marcellus
62	9/11/2025	9927.311688	10095.5779	36	Marcellus
63	9/12/2025	9727.792208	9896.05844	36	Marcellus
64	9/12/2025	9528.272727	9696.53896	36	Marcellus
65	9/12/2025	9328.753247	9497.01948	36	Marcellus
66	9/13/2025	9129.233766	9297.5	36	Marcellus
67	9/13/2025	8929.714286	9097.98052	36	Marcellus
68	9/13/2025	8730.194805	8898.46104	36	Marcellus
69	9/14/2025	8530.675325	8698.94156	36	Marcellus
70	9/14/2025	8331.155844	8499.42208	36	Marcellus
71	9/15/2025	8131.636364	8299.9026	36	Marcellus
72	9/15/2025	7932.116883	8100.38312	36	Marcellus
73	9/15/2025	7732.597403	7900.86364	36	Marcellus
74	9/16/2025	7533.077922	7701.34416	36	Marcellus
75	9/16/2025	7333.558442	7501.82468	36	Marcellus
76	9/16/2025	7134.038961	7302.30519	36	Marcellus
77	9/17/2025	6934.519481	7102.78571	36	Marcellus
78	9/17/2025	6735	6903.26623	36	Marcellus

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API 47-085-10549 Farm Name Louis Daniel Easterday Revocable Living Trust Well Number Aft 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	82.3	9532	6205	4435	132020	3753.3333	N/A
2	8/19/2025	95.2	10051	6271	4811	419820	7269.0476	N/A
3	8/20/2025	96.7	10067	5342	3312	412300	7264.2857	N/A
4	8/20/2025	98.9	10381	7073	3874	397760	7254.7619	N/A
5	8/21/2025	89.6	9554	4346	5108	396580	7245.2381	N/A
6	8/21/2025	100.5	10654	5407	4020	408200	7235.7143	N/A
7	8/22/2025	84.3	10150	4744	8500	364420	7228.5714	N/A
8	8/22/2025	96.4	10198	6421	3593	414580	7221.4286	N/A
9	8/23/2025	93.8	10351	4922	5143	404140	7211.9048	N/A
10	8/23/2025	95	10079	5829	3233	393760	7202.381	N/A
11	8/23/2025	97.1	10378	5632	4669	409480	7192.8571	N/A
12	8/24/2025	98.9	10355	4458	4665	409540	7188.0952	N/A
13	8/24/2025	96.7	10009	6408	3273	414200	7178.5714	N/A
14	8/24/2025	95	9896	4707	2885	410780	7169.0476	N/A
15	8/25/2025	99.6	10330	7616	4014	409780	7159.5238	N/A
16	8/25/2025	97.2	10147	5480	4009	413820	7152.381	N/A
17	8/26/2025	97.8	9870	5730	4319	409140	7145.2381	N/A
18	8/26/2025	96.3	10014	6677	4116	404440	7135.7143	N/A
19	8/26/2025	97.5	10008	5185	3975	395160	7126.1905	N/A
20	8/27/2025	89.9	9096	3807	4493	415620	7116.6667	N/A
21	8/27/2025	92.2	9939	4905	3998	409820	7111.9048	N/A
22	8/28/2025	97.4	9552	5522	3785	411340	7102.381	N/A
23	8/28/2025	96.5	9585	7920	3877	408240	7092.8571	N/A
24	8/28/2025	96.8	10336	4669	4305	408600	7083.3333	N/A
25	8/29/2025	97.3	9675	5642	3979	410300	7078.5714	N/A
26	8/29/2025	96.6	9756	5675	3975	408760	7069.0476	N/A
27	8/29/2025	97.2	9632	5825	4358	407040	7059.5238	N/A
28	8/30/2025	97.3	9142	5637	4162	411740	7050	N/A
29	8/30/2025	96.2	9967	5745	3856	411300	7040.4762	N/A
30	8/31/2025	96.7	9931	6266	4224	416200	7035.7143	N/A
31	8/31/2025	96.8	9939	5779	4145	410340	7026.1905	N/A
32	8/31/2025	96.8	9736	5071	4150	412100	7016.6667	N/A
33	9/1/2025	96.8	10098	6073	4157	415420	7007.1429	N/A
34	9/1/2025	94.7	10008	3378	4106	408940	7002.381	N/A
35	9/1/2025	96.3	9939	5261	4187	410400	6992.8571	N/A
36	9/2/2025	96.2	9479	5806	4405	412200	6983.3333	N/A
37	9/2/2025	90.7	8822	4637	4079	412480	6973.8095	N/A
38	9/2/2025	94.4	8947	5239	4585	411180	6966.6667	N/A
39	9/3/2025	96.7	9026	5853	3679	415880	6959.5238	N/A
40	9/3/2025	97.4	9843	7079	4127	408420	6950	N/A
41	9/3/2025	97.1	9381	5788	3213	413560	6940.4762	N/A
42	9/4/2025	96.5	9183	4155	4021	413640	6930.9524	N/A
43	9/4/2025	98.5	9106	4841	4089	417540	6926.1905	N/A
44	9/5/2025	97.3	8902	6934	4073	418060	6916.6667	N/A
45	9/5/2025	97.3	8803	4469	4188	415540	6907.1429	N/A
46	9/5/2025	96.8	8749	5928	3842	413660	6897.619	N/A
47	9/6/2025	96.5	8712	6963	4206	413900	6890.4762	N/A
48	9/6/2025	96.3	8680	6852	4374	410320	6883.3333	N/A
49	9/6/2025	97.8	8536	6891	3684	410820	6873.8095	N/A
50	9/7/2025	97	8288	4528	3504	414580	6864.2857	N/A
51	9/7/2025	96.6	8602	4097	3760	411100	6854.7619	N/A
52	9/7/2025	97.3	8526	6728	3883	416400	6850	N/A
53	9/8/2025	97	8365	5130	4292	415960	6840.4762	N/A
54	9/8/2025	93.8	9210	6385	3907	415920	6830.9524	N/A
55	9/9/2025	97.6	8409	6749	3805	415340	6823.8095	N/A
56	9/9/2025	97.8	8340	5664	4022	395640	6819.0476	N/A
57	9/9/2025	97.6	8575	8090	3217	410000	6816.6667	N/A
58	9/10/2025	97.7	8243	6614	3739	418680	6811.9048	N/A
59	9/10/2025	96.8	8569	5427	3922	411980	6807.1429	N/A
60	9/11/2025	97.9	8003	6187	3313	413260	6802.381	N/A
61	9/11/2025	95.2	7966	5878	3526	411760	6800	N/A
62	9/11/2025	94.3	7802	5293	3486	407240	6795.2381	N/A
63	9/12/2025	95.9	7654	4431	3330	410140	6790.4762	N/A
64	9/12/2025	97	7800	6345	4173	408540	6785.7143	N/A
65	9/12/2025	96.4	8334	4226	3848	410840	6783.3333	N/A
66	9/13/2025	98	7915	5639	4259	395880	6778.5714	N/A
67	9/13/2025	97.3	7890	5882	4107	414360	6773.8095	N/A
68	9/13/2025	96.5	7964	4440	3506	409480	6769.0476	N/A
69	9/14/2025	97.3	7648	5401	3979	407640	6764.2857	N/A
70	9/14/2025	96.7	7670	6115	4748	411780	6761.9048	N/A
71	9/15/2025	91.1	7022	3232	4220	410400	6757.1429	N/A
72	9/15/2025	96.9	7858	6701	3452	415060	6752.381	N/A
73	9/15/2025	98.1	7854	6510	3551	404240	6747.619	N/A
74	9/16/2025	97	7582	4426	3258	408060	6745.2381	N/A
75	9/16/2025	97.7	7611	7288	3691	410980	6740.4762	N/A
76	9/16/2025	97.6	7530	5677	3733	409660	6735.7143	N/A
77	9/17/2025	96.9	8230	6833	3418	408600	6730.9524	N/A
78	9/17/2025	97.2	8135	5472	3900	403460	6726.1905	N/A
AVERAGE		96.1	9,078	5,672	4,023	31,680,260	540,080	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
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	1,910	1,924	1,915
Big Lime	1,936	2,670	1,915	2,680
Fifty Foot Sandstone	2,670	2,715	2,654	2,726
Gordon	2,715	2,920	2,700	2,930
Fifth Sandstone	2,920	3,356	2,904	3,367
Bayard	3,356	3,852	3,341	3,871
Speechley	3,852	4,114	3,845	4,142
Balltown	4,114	4,541	4,116	4,589
Bradford	4,541	4,858	4,563	4,924
Benson	4,858	5,125	4,898	5,212
Alexander	5,125	6,166	5,186	6,371
Sycamore	5993	6140	6146	6345
Middlesex	6140	6242	6345	6538
Burkett	6242	6272	6538	6620
Tully	6272	6291	6620	6689
Marcellus	6291	NA	6689	NA

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JAN 14 2026

WV Department of
Environmental Protection

09/04/2026

Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	08/19/2025
Job End Date:	09/17/2025
State:	West Virginia
County:	Ritchie
API Number:	47-085-10549-00-00
Operator Name:	Antero Resources Corporation
Well Name and Number:	Aft Unit 1H
Latitude:	39.19935
Longitude:	-80.958161
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	6340
Total Base Water Volume (gal)*:	24024462
Total Base Non Water Volume:	0



Water Source	Percent
Groundwater, < 1000TDS	100.00%

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 corrosion 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	85.98568	
			Crystalline Silica	14808-60-7	99.90000	13.61948	
			Water	7732-18-5	85.00000	0.26585	
			Hydrochloric Acid	7647-01-0	15.00000	0.04691	
			Aluminum Oxide	1344-28-1	0.10000	0.01363	
			Hydrotreated light distillates	64742-47-8	25.00000	0.00784	
			Water	7732-18-5	90.00000	0.00735	
			Acrylamide-Chloride Salt of Trimethylammonio-Ethyl Acrylate copolymer	69418-26-4	40.00000	0.00628	
			Alkanes, C12-26-branched and linear	90622-53-0	40.00000	0.00628	
			Heavy Aliphatic Naphtha	64742-96-7	60.00000	0.00595	
			Guar gum	9000-30-0	50.00000	0.00496	
			Ammonium Persulfate	7727-54-0	89.00000	0.00268	
			Water	7732-18-5	15.00000	0.00236	
			Glutaraldehyde	111-30-8	20.00000	0.00163	
			Alcohols, C11-14-iso-, C13-rich, ethoxylated	78330-21-9	5.00000	0.00157	
			Ethoxylated Alcohols (C12-16)	68551-12-2	5.00000	0.00079	
			Trade Secret	Proprietary	5.00000	0.00050	
			Trade Secret	Proprietary	3.00000	0.00030	
			Trade Secret	Proprietary	3.00000	0.00030	
			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)

LATITUDE 39°12'30"

11,808'

LATITUDE 39°15'00"

5,740' TO BOTTOM HOLE

Antero Resources
Corporation
Well No. Aft #1H

UNION DISTRICT - RITCHIE COUNTY

7-13	Dawn McLaughlin
7-14	Wayne & Delphine Haddox
7-15	Louis Daniel Easterday Revocable Living Trust
7-16	Louis D Easterday
7-18	Louis D Easterday
7-19	Max & Laura Dodd
12-6	Robert & Dorothy Layton
12-6.1	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
35-14	Darren & Danielle Dodd
35-14.2	Kevin Ross & Kayla Cunningham
35-15	Lewis Cottrill
35-16	Virginia Cottrill
35-31	Max & Laura Dodd
35-31.1	Bradley Dodd
35-31.2	Max & Laura Dodd
35-31.3	Bryan Davis
35-31.4	Ruth Ann Dodd
35-31.5	Marilyn Sue Dodd
35-31.6	Gregory Dodd
35-40	Max & Laura Dodd
35-45	Gregory Dodd
39-2	Loren & Lenise Sellers
39-2.1	John E. McCloy, JR.
39-2.2	Larry Griffith
39-3	Lowell & Alma Blevis
39-3.1	Lowell & Alma Blevis
39-3.2	Lowell & Alma Blevis
39-4	Gregory Dodd
39-5	Robert & Brenda McCullough
39-6	Robert & Brenda Dodd
39-6.1	Robert & Brenda Dodd
39-11	Marilyn Sue Dodd
39-12	Douglas Wade Elder
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

1H TOP
HOLE

G TERESA WILSON SMITH

H L.C. WILSON

I EDWIN S. AMESBURY

J RUTHA ELDER ET AL

K SIGMORELLI FAMILY TRUST

L LLOYD MINEAR

M GARY C. DODD ET UX

N HELEN FITZWATER

O J. RAYMOND ELLIOTT ET AL

P REBECCA A. MCGINNIS

Q SARAH C. HOWARD

R ESTER HAYHURST

S KENNETH B. PERINE AND PATRICIA PERINE

T KENNETH B. PERINE AND PATRICIA PERINE

U JOSEPH A. HOWARD

V JOYCE ANN. HOWARD

X EDITH LAYTON

AS DRILLED DATA:
WELL 1H TOP HOLE INFORMATION:
N: 258,040ft E: 1,586,718ft
LAT: 39°11'57.35" LON: 80°57'29.99"
BOTTOM HOLE INFORMATION:
N: 272,474ft E: 1,581,211ft
LAT: 39°14'19.10" LON: 80°58'42.96"
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: 4,338,899m E: 503,613m
BOTTOM HOLE INFORMATION:
N: 4,343,268m E: 501,861m

(NAD) 27 (UTM) ZONE 17 COORDS:
WELL 1H TOP HOLE INFORMATION:
N: 14,234,492ft E: 1,652,222ft
POINT OF ENTRY INFORMATION:
N: 14,234,212ft E: 1,651,489ft
BOTTOM HOLE INFORMATION:
N: 14,248,826ft E: 1,646,476ft

3,304' LONGITUDE 80°55'00"

4,139' TO BOTTOM HOLE

LONGITUDE 80°57'30"

LESSOR

A ELKHORN MINERALS III, LLC.

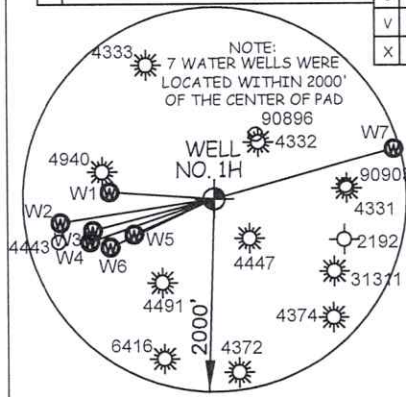
B LINDA KAY SMITH

C DAVID W. DOTSON

D WV DOT, DOH

E RAY COTTRILL ET AL

F EARL WILSON ET AL



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 DEPARTMENT 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 # 25-002WA

DRAWING # AFT1HAD

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

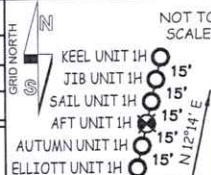
DATE 12/15/25

OPERATOR'S WELL# AFT UNIT #1H

47 085 10549

STATE COUNTY PERMIT

PAD LAYOUT



WELL TYPE: OIL ☐ GAS ☒ LIQUID INJECTION ☐ WASTE DISPOSAL ☐
(IF "GAS") PRODUCTION ☒ 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 6,383' TVD 22,174' MD

WELL OPERATOR ANTERO RESOURCES CORP.

DESIGNATED AGENT CONRAD BASTON

ADDRESS 1615 WYNKOOP ST.

ADDRESS 535 WHITE OAKS BLVD

FORM WW-6

DENVER, CO 80202

BRIDGEPORT, WV 26330

09/04/2026

NOTE

- 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.
- TOP HOLE DATA SHOWN HEREON WAS PROVIDED BY ANTERO RESOURCES CORPORATION.
- AS DRILLED DATA WAS PROVIDED BY ANTERO RESOURCES CORPORATION.
- 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.
- WLS IS BY NO MEANS RESPONSIBLE FOR ANY ERRORS OR INACCURACIES WITH THE DATA AND INFORMATION THAT HAS BEEN PROVIDED.