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 - 10553 County Ritchie District Union
Quad Pullman 7.5' Pad Name Minear Field/Pool Name -----
Farm name Louis Daniel Easterday Revocable Living Trust Well Number Keel 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 4338913m Easting 503615m
Landing Point of Curve Northing 4339180m Easting 504064m
Bottom Hole Northing 4343508m Easting 502564m

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

RECEIVED
Office of Oil and Gas
JAN 14 2026
WV Department of
Environmental Protection

Date permit issued 3/13/2025 Date drilling commenced 4/13/2025 Date drilling ceased 5/30/2025
Date completion activities began 8/19/2025 Date completion activities ceased 10/14/2025
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:
09/04/2026

API 47- 085 - 10553 Farm name Louis Daniel Easterday Revocable Living Trust Well number Keel 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"	895'	New	54.5#, J-55	N/A	Y
Coal							
Intermediate 1	12-1/4"	9-5/8"	3323'	New	36#, J-55	N/A	Y
Intermediate 2							
Intermediate 3							
Production	8-3/4"/8-1/2"	5-1/2"	22167'	New	23#, P-110	N/A	Y
Tubing		2-3/8"	6618'		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	1123 sx	15.6	1.18	1325	0'	8 Hrs.
Intermediate 2							
Intermediate 3							
Production	Class H	4029 sx (Tail)	13.5 (Spacer), 15.2(Tail)	1.26 (Tail)	5077	~500' into Intermediate Casing	8 Hrs.
Tubing							

Drillers TD (ft) 22,167' MD, 6,375' TVD (BHL), 6,375' TVD (Deepest Point Drilled) Loggers TD (ft) 22,137' MD

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

Plug back procedure N/A

RECEIVED
Office of Oil and Gas
JAN 14 2026
WV Department of
Environmental Protection

Kick off depth (ft) 5,900'

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

09/04/2026
8-12-2026

API 47- 085 - 10553 Farm name Louis Daniel Easterday Revocable Living Trust Well number Keel 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.

RECEIVED
Office of Oil and Gas
JAN 14 2026
WV Department of
Environmental Protection

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.

09/04/2026

API 47- 085 - 10553 Farm name Louis Daniel Easterday Revocable Living Trust Well number Keel Unit 1H

PRODUCING FORMATION(S)	DEPTHS			
Marcellus	6,946' (TOP)	TVD	6,946' (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 16,493.86 mcfpd Oil 206.29 bpd NGL --- bpd Water 763.48 bpd GAS MEASURED BY □ Estimated ■ Orifice □ Pilot

LITHOLOGY/ FORMATION NAME	TOP DEPTH IN FT 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

RECEIVED
Office of Oil and Gas
JAN 14 2026
WV Department of
Environmental Protection

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 47-085-10553 Farm Name Louis Daniel Easterday Revocable Living Trust Well Number Keel Unit 1H

EXHIBIT 1

Stage No.	Perforation Date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formations
1	8/19/2025	22091	22117	36	Marcellus
2	8/20/2025	21891.98684	22059.8311	36	Marcellus
3	8/20/2025	21692.97368	21860.818	36	Marcellus
4	8/20/2025	21493.96053	21661.8048	36	Marcellus
5	8/21/2025	21294.94737	21462.7917	36	Marcellus
6	8/21/2025	21095.93421	21263.7785	36	Marcellus
7	8/22/2025	20896.92105	21064.7654	36	Marcellus
8	8/22/2025	20697.90789	20865.7522	36	Marcellus
9	8/23/2025	20498.89474	20666.739	36	Marcellus
10	8/23/2025	20299.88158	20467.7259	36	Marcellus
11	8/23/2025	20100.86842	20268.7127	36	Marcellus
12	8/24/2025	19901.85526	20069.6996	36	Marcellus
13	8/24/2025	19702.84211	19870.6864	36	Marcellus
14	8/25/2025	19503.82895	19671.6732	36	Marcellus
15	8/25/2025	19304.81579	19472.6601	36	Marcellus
16	8/25/2025	19105.80263	19273.6469	36	Marcellus
17	8/26/2025	18906.78947	19074.6338	36	Marcellus
18	8/26/2025	18707.77632	18875.6206	36	Marcellus
19	8/27/2025	18508.76316	18676.6075	36	Marcellus
20	8/27/2025	18309.75	18477.5943	36	Marcellus
21	8/27/2025	18110.73684	18278.5811	36	Marcellus
22	8/28/2025	17911.72368	18079.568	36	Marcellus
23	8/28/2025	17712.71053	17880.5548	36	Marcellus
24	8/29/2025	17513.69737	17681.5417	36	Marcellus
25	8/29/2025	17314.68421	17482.5285	36	Marcellus
26	8/29/2025	17115.67105	17283.5154	36	Marcellus
27	8/30/2025	16916.65789	17084.5022	36	Marcellus
28	8/30/2025	16717.64474	16885.489	36	Marcellus
29	8/30/2025	16518.63158	16686.4759	36	Marcellus
30	8/31/2025	16319.61842	16487.4627	36	Marcellus
31	8/31/2025	16120.60526	16288.4496	36	Marcellus
32	8/31/2025	15921.59211	16089.4364	36	Marcellus
33	9/1/2025	15722.57895	15890.4232	36	Marcellus
34	9/1/2025	15523.56579	15691.4101	36	Marcellus
35	9/2/2025	15324.55263	15492.3969	36	Marcellus
36	9/2/2025	15125.53947	15293.3838	36	Marcellus
37	9/2/2025	14926.52632	15094.3706	36	Marcellus
38	9/3/2025	14727.51316	14895.3575	36	Marcellus
39	9/3/2025	14528.5	14696.3443	36	Marcellus
40	9/3/2025	14329.48684	14497.3311	36	Marcellus
41	9/4/2025	14130.47368	14298.318	36	Marcellus
42	9/4/2025	13931.46053	14099.3048	36	Marcellus
43	9/4/2025	13732.44737	13900.2917	36	Marcellus
44	9/5/2025	13533.43421	13701.2785	36	Marcellus
45	9/5/2025	13334.42105	13502.2654	36	Marcellus
46	9/5/2025	13135.40789	13303.2522	36	Marcellus
47	9/6/2025	12936.39474	13104.239	36	Marcellus
48	9/6/2025	12737.38158	12905.2259	36	Marcellus
49	9/7/2025	12538.36842	12706.2127	36	Marcellus
50	9/7/2025	12339.35526	12507.1996	36	Marcellus
51	9/7/2025	12140.34211	12308.1864	36	Marcellus
52	9/8/2025	11941.32895	12109.1732	36	Marcellus
53	9/8/2025	11742.31579	11910.1601	36	Marcellus
54	9/8/2025	11543.30263	11711.1469	36	Marcellus
55	9/9/2025	11344.28947	11512.1338	36	Marcellus
56	9/9/2025	11145.27632	11313.1206	36	Marcellus
57	9/9/2025	10946.26316	11114.1075	36	Marcellus
58	9/10/2025	10747.25	10915.0943	36	Marcellus
59	9/10/2025	10548.23684	10716.0811	36	Marcellus
60	9/11/2025	10349.22368	10517.068	36	Marcellus
61	9/11/2025	10150.21053	10318.0548	36	Marcellus
62	9/11/2025	9951.197368	10119.0417	36	Marcellus
63	9/12/2025	9752.184211	9920.02851	36	Marcellus
64	9/12/2025	9553.171053	9721.01535	36	Marcellus
65	9/13/2025	9354.157895	9522.00219	36	Marcellus
66	9/13/2025	9155.144737	9322.98904	36	Marcellus
67	9/13/2025	8956.131579	9123.97588	36	Marcellus
68	9/14/2025	8757.118421	8924.96272	36	Marcellus
69	9/14/2025	8558.105263	8725.94956	36	Marcellus
70	9/14/2025	8359.092105	8526.9364	36	Marcellus
71	9/15/2025	8160.078947	8327.92325	36	Marcellus
72	9/15/2025	7961.065789	8128.91009	36	Marcellus
73	9/15/2025	7762.052632	7929.89693	36	Marcellus
74	9/16/2025	7563.039474	7730.88377	36	Marcellus
75	9/16/2025	7364.026316	7531.87061	36	Marcellus
76	9/17/2025	7165.013158	7332.85746	36	Marcellus
77	9/17/2025	6699	7133.8443	36	Marcellus

RECEIVED
Office of Oil and Gas
JAN 14 2026
WV Department of
Environmental Protection

09/04/2026

API 47-085-10553 Farm Name Louis Daniel Easterday Revocable Living Trust Well Number Keel 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	9802	8142	3880	128700	3750.9524	N/A
2	8/20/2025	98.5	10355	7259	4457	410180	7240.4762	N/A
3	8/20/2025	96.1	10127	5248	3557	405320	7235.7143	N/A
4	8/20/2025	98.4	10588	7356	4330	397360	7226.1905	N/A
5	8/21/2025	90.6	9679	4806	3405	413120	7216.6667	N/A
6	8/21/2025	98.6	10553	7067	4096	409980	7207.1429	N/A
7	8/22/2025	91.5	10103	4444	3745	394820	7197.619	N/A
8	8/22/2025	95.6	10403	4757	4356	411700	7192.8571	N/A
9	8/23/2025	95.1	10214	5748	4570	408760	7183.3333	N/A
10	8/23/2025	96.8	10348	4114	3938	413980	7173.8095	N/A
11	8/23/2025	96.9	10421	4163	4604	408100	7164.2857	N/A
12	8/24/2025	96.9	10145	7329	3087	414700	7159.5238	N/A
13	8/24/2025	93.5	9818	5704	4730	414220	7150	N/A
14	8/25/2025	97	10230	5160	4205	410540	7140.4762	N/A
15	8/25/2025	99	10319	5457	4090	407840	7130.9524	N/A
16	8/25/2025	96.6	9778	5166	4110	414380	7126.1905	N/A
17	8/26/2025	94.9	9941	5233	3727	412040	7116.6667	N/A
18	8/26/2025	98.1	10444	6237	4364	410960	7107.1429	N/A
19	8/27/2025	97.7	10066	6231	4285	409420	7097.619	N/A
20	8/27/2025	95.6	10066	7701	4090	408920	7088.0952	N/A
21	8/27/2025	96.7	10252	5690	4452	403480	7083.3333	N/A
22	8/28/2025	95.3	9633	7358	4186	410520	7073.8095	N/A
23	8/28/2025	95.2	9667	5060	4643	407200	7064.2857	N/A
24	8/29/2025	97.6	9915	5330	4286	410000	7054.7619	N/A
25	8/29/2025	97	9736	5452	4062	416240	7050	N/A
26	8/29/2025	97.1	10113	5741	4440	418440	7040.4762	N/A
27	8/30/2025	98	9636	4111	4253	409880	7030.9524	N/A
28	8/30/2025	96.4	9806	6086	3941	415200	7021.4286	N/A
29	8/30/2025	97.3	10224	5323	3997	397180	7011.9048	N/A
30	8/31/2025	97.5	10249	6433	3998	410860	7007.1429	N/A
31	8/31/2025	96.3	9798	5655	3880	413080	6997.619	N/A
32	8/31/2025	96.6	9578	4589	4233	410640	6988.0952	N/A
33	9/1/2025	92.3	9652	6652	3849	406120	6978.5714	N/A
34	9/1/2025	94.7	9907	4898	4267	404520	6973.8095	N/A
35	9/2/2025	96.2	9788	6951	4294	408160	6964.2857	N/A
36	9/2/2025	95.1	9863	4902	4224	410240	6954.7619	N/A
37	9/2/2025	97.5	9461	5341	4414	408720	6945.2381	N/A
38	9/3/2025	97.8	9258	5863	3575	416900	6940.4762	N/A
39	9/3/2025	96.4	9215	3983	3802	410800	6930.9524	N/A
40	9/3/2025	97.9	9841	5163	4270	410240	6921.4286	N/A
41	9/4/2025	95.3	9186	6489	2803	407620	6911.9048	N/A
42	9/4/2025	96	8868	4662	3719	411880	6902.381	N/A
43	9/4/2025	96.3	9201	5618	3574	412940	6897.619	N/A
44	9/5/2025	97.6	8940	6985	3879	410680	6888.0952	N/A
45	9/5/2025	97.1	8894	4353	3883	411380	6878.5714	N/A
46	9/5/2025	96.7	9139	6628	3367	402600	6869.0476	N/A
47	9/6/2025	97.1	8900	4565	3805	406400	6864.2857	N/A
48	9/6/2025	97.5	8748	7191	3740	402040	6854.7619	N/A
49	9/7/2025	96.6	8609	7390	3697	415020	6845.2381	N/A
50	9/7/2025	96.1	8300	4836	3818	412260	6835.7143	N/A
51	9/7/2025	98	8623	6339	3655	409580	6830.9524	N/A
52	9/8/2025	98.2	8619	6191	3539	410660	6821.4286	N/A
53	9/8/2025	97.9	8653	5152	3903	418580	6811.9048	N/A
54	9/8/2025	96.4	8764	5255	3002	407500	6804.7619	N/A
55	9/9/2025	97.8	8632	5510	3980	411000	6800	N/A
56	9/9/2025	95.3	8617	6107	3913	409800	6797.619	N/A
57	9/9/2025	98.3	8610	6226	3561	414660	6792.8571	N/A
58	9/10/2025	82.5	9434	6869	4910	406600	6788.0952	N/A
59	9/10/2025	95.2	8611	7134	4033	407280	6783.3333	N/A
60	9/11/2025	94.9	8761	7439	4348	411560	6780.9524	N/A
61	9/11/2025	95.9	7998	6235	3940	409520	6776.1905	N/A
62	9/11/2025	95.1	7755	6015	3559	417900	6771.4286	N/A
63	9/12/2025	97.8	7853	5370	4116	406280	6766.6667	N/A
64	9/12/2025	97	7945	6409	4232	412300	6764.2857	N/A
65	9/13/2025	97.1	7437	3914	3383	406240	6759.5238	N/A
66	9/13/2025	97	7889	5543	3875	408400	6754.7619	N/A
67	9/13/2025	96	8221	6097	3753	413620	6750	N/A
68	9/14/2025	95	7722	4172	3637	414480	6745.2381	N/A
69	9/14/2025	97.5	7840	5376	4244	409900	6742.8571	N/A
70	9/14/2025	96.8	8096	4205	3539	412260	6738.0952	N/A
71	9/15/2025	98.1	7582	6726	4122	409340	6733.3333	N/A
72	9/15/2025	97.3	7466	5807	3713	413920	6728.5714	N/A
73	9/15/2025	97.4	7507	4088	3313	412440	6726.1905	N/A
74	9/16/2025	97.5	7388	6237	3692	414220	6721.4286	N/A
75	9/16/2025	96.3	7215	5515	3052	406700	6716.6667	N/A
76	9/17/2025	95.8	8051	6561	3638	415200	6711.9048	N/A
77	9/17/2025	97.8	8166	6845	3392	412920	6707.1429	N/A
	AVERAGE	**96.2**	**9,185**	**5,766**	**3,935**	**31,299,140**	**531,313**	0

RECEIVED
Office of Oil and Gas
JAN 14 2026
WV Department of
Environmental Protection

09/04/2026

API 47-085-10553 Farm Name Louis Daniel Easterday Revocable Living Trust Well Number Keel 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	1,946	1,924	1,946
Big Lime	1,972	2,760	1,946	2,760
Fifty Foot Sandstone	2,760	2,804	2,734	2,804
Gordon	2,804	3,018	2,778	3,018
Fifth Sandstone	3,018	3,470	2,992	3,470
Bayard	3,470	4,002	3,444	4,002
Speechley	4,002	4,284	3,976	4,284
Balltown	4,284	4,749	4,258	4,749
Bradford	4,749	5,102	4,723	5,102
Benson	5,102	5,376	5,076	5,376
Alexander	5,376	6,562	5,350	6,562
Sycamore	6318	6536	6318	6536
Middlesex	6536	6741	6536	6741
Burkett	6741	6837	6741	6837
Tully	6837	6920	6837	6920
Marcellus	6920	NA	6920	NA

RECEIVED
Office of Oil and Gas
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:	47-085-10553-00-00
Operator Name:	Antero Resources Corporation
Well Name and Number:	Keel Unit 1H
Latitude:	39.199476
Longitude:	-80.958138
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	6347
Total Base Water Volume (gal)*:	23654946
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 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					

09/04/2026

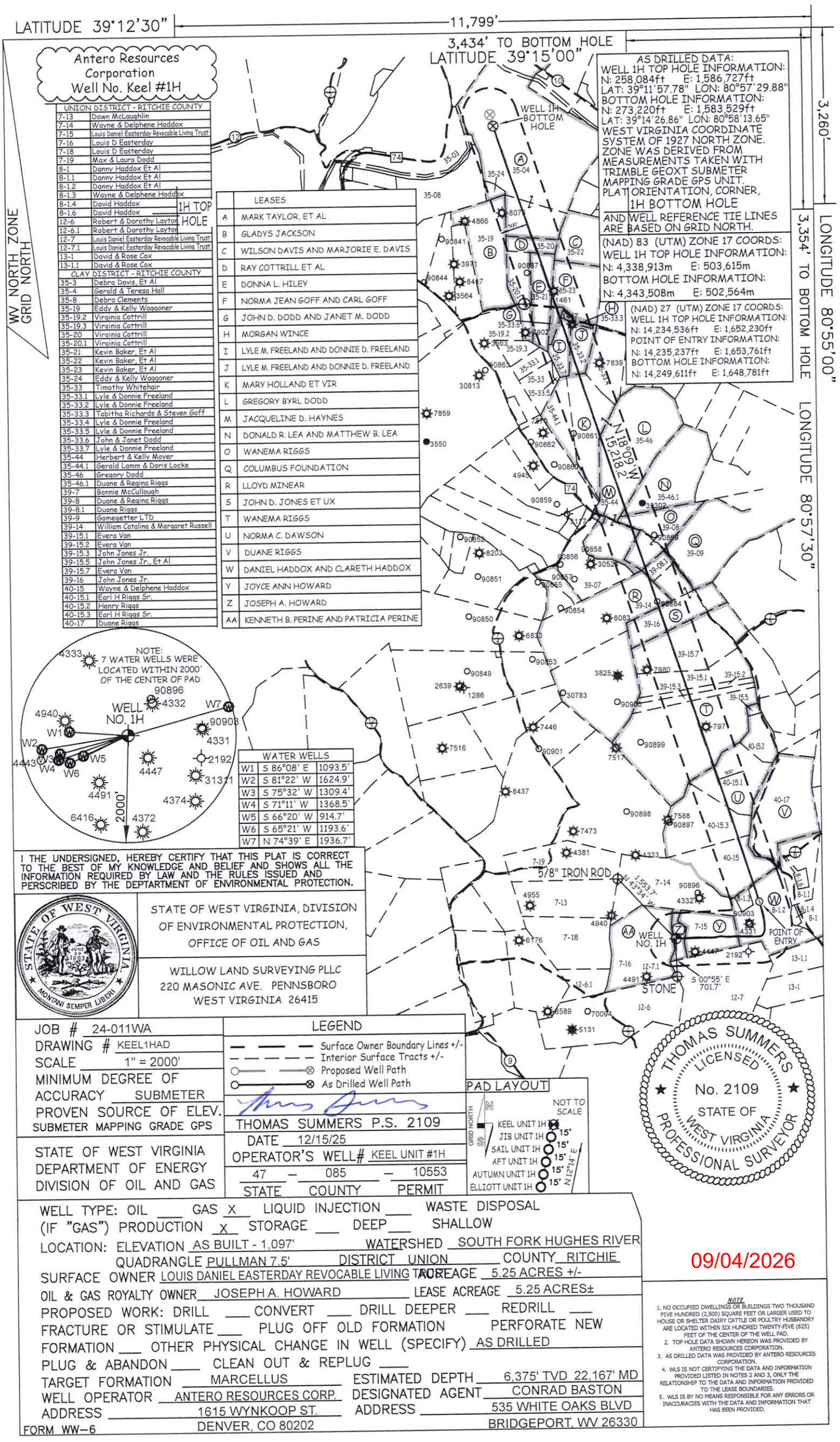
Water	Operator	Carrier Fluid					
Items above are Trade Names. Items below are the individual ingredients.							
			Water	7732-18-5	100.00000	85.94231	
			Crystalline Silica	14808-60-7	99.90000	13.65891	
			Water	7732-18-5	85.00000	0.26557	
			Hydrochloric Acid	7647-01-0	15.00000	0.04687	
			Aluminum Oxide	1344-28-1	0.10000	0.01367	
			Hydrotreated light distillates	64742-47-8	25.00000	0.00850	
			Heavy Aliphatic Naphtha	64742-96-7	60.00000	0.00751	
			Water	7732-18-5	90.00000	0.00733	
			Guar gum	9000-30-0	50.00000	0.00626	
			Acrylamide-Chloride Salt of Trimethylammonio-Ethyl Acrylate copolymer	69418-26-4	40.00000	0.00549	
			Alkanes, C12-26-branched and linear	90622-53-0	40.00000	0.00549	
			Ammonium Persulfate	7727-54-0	89.00000	0.00352	
			Water	7732-18-5	15.00000	0.00206	
			Alcohols, C11-14-iso-, C13-rich, ethoxylated	78330-21-9	5.00000	0.00170	
			Glutaraldehyde	111-30-8	20.00000	0.00163	
			Ethoxylated Alcohols (C12-16)	68551-12-2	5.00000	0.00069	
			Trade Secret	Proprietary	5.00000	0.00063	
			Trade Secret	Proprietary	3.00000	0.00038	
			Trade Secret	Proprietary	3.00000	0.00038	
			Quaternary Ammonium Compounds, Benzyl-C12-C16-alkyldimethyl, Chlorides	68424-85-1	3.00000	0.00024	
			Didecyldimethylammonium Chloride	7173-51-5	3.00000	0.00024	
			Ethylene glycol	107-21-1	45.00000	0.00013	
			Glycol Ether EB	111-76-2	45.00000	0.00013	
			N,N-Dimethylformamide	68-12-2	20.00000	0.00006	
			Tar bases,quinoline derivs.,benzyl chloride-quaternized	72480-70-7	20.00000	0.00006	
			Water	7732-18-5	15.00000	0.00004	
			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	

09/04/2026

* 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



UNION DISTRICT - RITCHIE COUNTY	
7-13	Dawn McLaughlin
7-14	Wayne & Delphene Haddox
7-15	Louis Daniel Easterday Revocable Living Trust
7-16	Louis D Easterday
7-18	Louis D Easterday
7-19	Max & Laura Dodd
8-1	Danny Haddox Et Al
8-1.1	Danny Haddox Et Al
8-1.2	Danny Haddox Et Al
8-1.3	Wayne & Delphene Haddox
8-1.4	David Haddox
8-1.6	David Haddox
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
13-1	David & Rose Cox
13-1.1	David & Rose Cox
CLAY DISTRICT - RITCHIE COUNTY	
35-3	Debra Davis, Et Al
35-4	Gerald & Teresa Hall
35-8	Debra Clements
35-19	Eddy & Kelly Waggoner
35-19.2	Virginia Cottrill
35-19.3	Virginia Cottrill
35-20	Virginia Cottrill
35-20.1	Virginia Cottrill
35-21	Kevin Baker, Et Al
35-22	Kevin Baker, Et Al
35-23	Kevin Baker, Et Al
35-24	Eddy & Kelly Waggoner
35-33	Timothy Whitehair
35-33.1	Lyle & Donnie Freeland
35-33.2	Lyle & Donnie Freeland
35-33.3	Tabitha Richards & Steven Goff
35-33.4	Lyle & Donnie Freeland
35-33.5	Lyle & Donnie Freeland
35-33.6	John & Janet Dodd
35-33.7	Lyle & Donnie Freeland
35-44	Herbert & Kelly Moyer
35-44.1	Gerald Lamm & Doris Locke
35-46	Gregory Dodd
35-46.1	Duane & Regina Riggs
39-7	Bonnie McCullough
39-8	Duane & Regina Riggs
39-8.1	Duane Riggs
39-9	Gamegetter LTD
39-14	William Catalina & Margaret Russell
39-15.1	Evera Van
39-15.2	Evera Van
39-15.3	John Jones Jr.
39-15.5	John Jones Jr., Et Al
39-15.7	Evera Van
39-16	John Jones Jr.
40-15	Wayne & Delphene Haddox
40-15.1	Earl H Riggs Sr.
40-15.2	Henry Riggs
40-15.3	Earl H Riggs Sr.
40-17	Duane Riggs

	LEASES
A	MARK TAYLOR, ET AL
B	GLADYS JACKSON
C	WILSON DAVIS AND MARJORIE E. DAVIS
D	RAY COTTRILL ET AL
E	DONNA L. HILEY
F	NORMA JEAN GOFF AND CARL GOFF
G	JOHN D. DODD AND JANET M. DODD
H	MORGAN WINCE
I	LYLE M. FREELAND AND DONNIE D. FREELAND
J	LYLE M. FREELAND AND DONNIE D. FREELAND
K	MARY HOLLAND ET VIR
L	GREGORY BYRL DODD
M	JACQUELINE D. HAYNES
N	DONALD R. LEA AND MATTHEW B. LEA
O	WANEMA RIGGS
Q	COLUMBUS FOUNDATION
R	LLOYD MINEAR
S	JOHN D. JONES ET UX
T	WANEMA RIGGS
U	NORMA C. DAWSON
V	DUANE RIGGS
W	DANIEL HADDOX AND CLARETH HADDOX
Y	JOYCE ANN HOWARD
Z	JOSEPH A. HOWARD
AA	KENNETH B. PERINE AND PATRICIA PERINE

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 # 24-011WA
DRAWING # KEEL1HAD
SCALE 1" = 2000'
MINIMUM DEGREE OF ACCURACY SUBMETER
PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS

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# KEEL UNIT #1H

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
DIVISION OF OIL AND GAS

47 — 085 — 10553
STATE COUNTY PERMIT

PAD LAYOUT
NOT TO SCALE
GRID NORTH
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 6,375' TVD 22,167' 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.