



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

November 20, 2025

West Virginia Department of Environmental Protection
Office of Oil and Gas
601 57th Street
Charleston, WV 25304

To Whom It May Concern:

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:

- Saturn Unit 1H (API # 47-085-10536)—Husher Pad
- Neptune Unit 1H (API # 47-085-10537) – Husher Pad
- Villers Unit 1H (API # 47-085-10538) – Husher Pad
- Shipe Unit 1H (API # 47-085-10539) – Husher Pad
- Mercury Unit 1H (API # 47-085-10540) – Husher Pad

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

Sincerely,

A handwritten signature in black ink, appearing to read "S Gaspar", written in a cursive style.

Stefan Gaspar
Permitting Agent
Antero Resources Corporation

Enclosures

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

API 47-085-10536 County Ritchie District Clay
Quad Ellenboro 7.5' Pad Name Husher Field/Pool Name ----
Farm name Richard E. Blouir Et Ux Well Number Saturn 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 4348628m Easting 498185m
Landing Point of Curve Northing 4346844m Easting 498408m
Bottom Hole Northing 4342860m Easting 499797m

Elevation (ft) 1,007' GL Type of Well New Existing Type of Report Interim Final
Permit Type Deviated Horizontal Horizontal 6A Vertical Depth Type Deep Shallow
Type of Operation Convert Deepen Drill Plug Back Redrilling Rework Stimulate
Well Type Brine Disposal CBM Gas Oil Secondary Recovery Solution Mining Storage Other _____
Type of Completion Single Multiple Fluids Produced Brine Gas NGL Oil Other _____
Drilled with Cable Rotary

Drilling Media Surface hole Air Mud Fresh Water Intermediate hole Air Mud Fresh Water Brine
Production hole Air Mud Fresh Water Brine

Mud Type(s) and Additive(s)

Air - Foam & 4% KCL

Mud - Polymer

Date permit issued 12/16/2024 Date drilling commenced 1/14/2025 Date drilling ceased 4/11/2025
Date completion activities began 4/30/2025 Date completion activities ceased 7/1/2025
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 147', 406' Open mine(s) (Y/N) depths No
Salt water depth(s) ft 1654' 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:

12-8-25

02/06/2026

Reviewed

API 47-085 - 10536 Farm name Richard E. Blouir Et Ux Well number Saturn 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"	130'	New	91.59#, J-55	N/A	Y
Surface	17-1/2"	13-3/8"	540'	New	54.5#, J-55	N/A	Y
Coal							
Intermediate 1	12-3/8"	9-5/8"	5573'	New	34.89#, L-80	N/A	Y
Intermediate 2							
Intermediate 3							
Production	8-3/4"/8-1/2"	5-1/2"	24426'	New	23#, P-110	N/A	Y
Tubing		2-3/8"	6572'		4.7#, J-55		
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	215 sx	15.6	1.18	254	0'	8 Hrs.
Surface	Class A	395 sx	15.8	1.17	462	0'	8 Hrs.
Coal							
Intermediate 1	Class C	725 sx	15.8	1.15	834	0'	8 Hrs.
Intermediate 2							
Intermediate 3							
Production	Class H	4575 sx (Tail)	13.5 (Spacer), 15.2 (Tail)	1.29 (Tail)	5902	~500' into Intermediate Casing	8 Hrs.
Tubing							

Drillers TD (ft) 24,426' MD, 6,260' TVD (BHL), 6,285' TVD (Deepest Point Drilled) Loggers TD (ft) 24,399' MD
 Deepest formation penetrated Marcellus Plug back to (ft) N/A
 Plug back procedure N/A

Kick off depth (ft) 6,319'

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

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WAS WELL COMPLETED AS SHOT HOLE Yes No DETAILS _____

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WAS WELL COMPLETED OPEN HOLE? Yes No DETAILS _____

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

Reviewed

[Signature] 02/06/2025

EXHIBIT 1					
Stage No.	Perforation Date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formations
1	4/30/2025	24373.7	24358.9	36	Marcellus
2	5/1/2025	24320.39564	24155.8739	36	Marcellus
3	5/1/2025	24120.56951	23956.0477	36	Marcellus
4	5/2/2025	23920.74337	23756.2216	36	Marcellus
5	5/2/2025	23720.91723	23556.3955	36	Marcellus
6	5/2/2025	23521.0911	23356.5693	36	Marcellus
7	5/3/2025	23321.26496	23156.7432	36	Marcellus
8	5/3/2025	23121.43883	22956.917	36	Marcellus
9	5/3/2025	22921.61269	22757.0909	36	Marcellus
10	5/4/2025	22721.78655	22557.2648	36	Marcellus
11	5/4/2025	22521.96042	22357.4386	36	Marcellus
12	5/4/2025	22322.13428	22157.6125	36	Marcellus
13	5/4/2025	22122.30814	21957.7864	36	Marcellus
14	5/5/2025	21922.48201	21757.9602	36	Marcellus
15	5/5/2025	21722.65587	21558.1341	36	Marcellus
16	5/5/2025	21522.82973	21358.308	36	Marcellus
17	5/6/2025	21323.0036	21158.4818	36	Marcellus
18	5/6/2025	21123.17746	20958.6557	36	Marcellus
19	5/6/2025	20923.35133	20758.8295	36	Marcellus
20	5/7/2025	20723.52519	20559.0034	36	Marcellus
21	5/7/2025	20523.69905	20359.1773	36	Marcellus
22	5/7/2025	20323.87292	20159.3511	36	Marcellus
23	5/7/2025	20124.04678	19959.525	36	Marcellus
24	5/8/2025	19924.22064	19759.6989	36	Marcellus
25	5/8/2025	19724.39451	19559.8727	36	Marcellus
26	5/8/2025	19524.56837	19360.0466	36	Marcellus
27	5/9/2025	19324.74223	19160.2205	36	Marcellus
28	5/9/2025	19124.9161	18960.3943	36	Marcellus
29	5/9/2025	18925.08996	18760.5682	36	Marcellus
30	5/10/2025	18725.26383	18560.742	36	Marcellus
31	5/10/2025	18525.43769	18360.9159	36	Marcellus
32	5/11/2025	18325.61155	18161.0898	36	Marcellus
33	5/11/2025	18125.78542	17961.2636	36	Marcellus
34	5/11/2025	17925.95928	17761.4375	36	Marcellus
35	5/11/2025	17726.13314	17561.6114	36	Marcellus
36	5/12/2025	17526.30701	17361.7852	36	Marcellus
37	5/12/2025	17326.48087	17161.9591	36	Marcellus
38	5/12/2025	17126.65473	16962.133	36	Marcellus
39	5/12/2025	16926.8286	16762.3068	36	Marcellus
40	5/13/2025	16727.00246	16562.4807	36	Marcellus
41	5/13/2025	16527.17633	16362.6545	36	Marcellus
42	5/13/2025	16327.35019	16162.8284	36	Marcellus
43	5/13/2025	16127.52405	15963.0023	36	Marcellus
44	5/14/2025	15927.69792	15763.1761	36	Marcellus
45	5/14/2025	15727.87178	15563.35	36	Marcellus
46	5/14/2025	15528.04564	15363.5239	36	Marcellus
47	5/15/2025	15328.21951	15163.6977	36	Marcellus
48	5/15/2025	15128.39337	14963.8716	36	Marcellus
49	5/15/2025	14928.56723	14764.0455	36	Marcellus
50	5/16/2025	14728.7411	14564.2193	36	Marcellus
51	5/16/2025	14528.91496	14364.3932	36	Marcellus
52	5/16/2025	14329.08883	14164.567	36	Marcellus
53	5/17/2025	14129.26269	13964.7409	36	Marcellus
54	5/17/2025	13929.43655	13764.9148	36	Marcellus
55	5/18/2025	13729.61042	13565.0886	36	Marcellus
56	5/18/2025	13529.78428	13365.2625	36	Marcellus
57	5/19/2025	13329.95814	13165.4364	36	Marcellus
58	5/19/2025	13130.13201	12965.6102	36	Marcellus
59	5/19/2025	12930.30587	12765.7841	36	Marcellus
60	5/20/2025	12730.47973	12565.958	36	Marcellus
61	5/20/2025	12530.6536	12366.1318	36	Marcellus
62	5/20/2025	12330.82746	12166.3057	36	Marcellus
63	5/21/2025	12131.00133	11966.4795	36	Marcellus
64	5/21/2025	11931.17519	11766.6534	36	Marcellus
65	5/22/2025	11731.34905	11566.8273	36	Marcellus
66	5/22/2025	11531.52292	11367.0011	36	Marcellus
67	5/22/2025	11331.69678	11167.175	36	Marcellus
68	5/25/2025	11131.87064	10967.3489	36	Marcellus
69	5/28/2025	10932.04451	10767.5227	36	Marcellus
70	5/28/2025	10732.21837	10567.6966	36	Marcellus
71	5/29/2025	10532.39223	10367.8705	36	Marcellus
72	5/29/2025	10332.5661	10168.0443	36	Marcellus
73	5/29/2025	10132.73996	9968.21818	36	Marcellus
74	5/30/2025	9932.91382	9768.39205	36	Marcellus
75	5/30/2025	9733.08768	9568.56591	36	Marcellus
76	5/30/2025	9533.26155	9368.73977	36	Marcellus
77	5/30/2025	9333.43541	9168.91364	36	Marcellus
78	5/31/2025	9133.60928	8969.0875	36	Marcellus
79	5/31/2025	8933.78314	8769.26136	36	Marcellus
80	5/31/2025	8733.95700	8569.43523	36	Marcellus
81	5/31/2025	8534.13087	8369.60909	36	Marcellus
82	5/31/2025	8334.30473	8169.78295	36	Marcellus
83	6/1/2025	8134.47859	7969.95682	36	Marcellus
84	6/1/2025	7934.65246	7770.13068	36	Marcellus
85	6/1/2025	7734.82632	7570.30455	36	Marcellus
86	6/1/2025	7535.00018	7370.47841	36	Marcellus
87	6/1/2025	7335.17405	7170.65227	36	Marcellus
88	6/2/2025	7135.34791	6970.82614	36	Marcellus
89	6/2/2025	6935.52178	6771	36	Marcellus

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EXHIBIT 2

Stage No.	Stimulations Date	Avg Pump Rate	Inj. Treatment Pressure (PSI)	Breakdown Pressure (PSI)	ISIP (PSI)	Amount of Proppant (lbs)	Amount of Water (bbls)	Amount of Nitrogen/Other (units)
1	4/30/2025	79	10248	5833	4026	117760	4454	N/A
2	5/1/2025	92.4	10797	8491	3648	410120	7270	N/A
3	5/1/2025	89.9	10440	5455	3539	411020	7025	N/A
4	5/2/2025	90.7	9911	6282	4543	411520	7164	N/A
5	5/2/2025	92.3	10742	6337	4439	415160	7555	N/A
6	5/2/2025	92.2	10464	5817	3992	407280	7069	N/A
7	5/3/2025	91.8	9521	5705	3365	416940	9125	N/A
8	5/3/2025	94.4	10395	6893	3894	413180	7236	N/A
9	5/3/2025	95.4	10745	7180	4558	409980	7011	N/A
10	5/4/2025	93.9	10537	6050	4711	398880	7239	N/A
11	5/4/2025	96	10557	7544	3637	409020	7103	N/A
12	5/4/2025	95.3	10516	7124	4650	416500	7104	N/A
13	5/4/2025	94.7	10746	6134	4999	413350	7078	N/A
14	5/5/2025	94.5	10450	6136	4327	413550	7101	N/A
15	5/5/2025	93.1	10065	6714	4648	411540	7158	N/A
16	5/5/2025	95.1	10427	5692	4102	406500	6922	N/A
17	5/6/2025	95.6	10393	6031	4330	408440	6987	N/A
18	5/6/2025	96.6	10557	6747	5125	411560	7090	N/A
19	5/6/2025	95.4	10437	7312	5185	405000	7087	N/A
20	5/7/2025	90.6	10703	6475	4262	411790	7162	N/A
21	5/7/2025	91.2	10014	6257	4870	411700	10703	N/A
22	5/7/2025	96	10506	6480	4881	404980	7076	N/A
23	5/7/2025	95	10526	6902	4631	409780	7029	N/A
24	5/8/2025	93.4	10337	6269	3698	410800	8718	N/A
25	5/8/2025	96.3	10691	5992	4771	399580	6882	N/A
26	5/8/2025	95	10399	6141	4734	407240	7286	N/A
27	5/9/2025	96.3	10215	6827	5218	401660	7007	N/A
28	5/9/2025	96	10654	6007	5166	402700	6915	N/A
29	5/9/2025	92.3	10042	5766	3760	409980	6930	N/A
30	5/10/2025	92.2	9888	6792	4768	406640	8055	N/A
31	5/10/2025	95.4	10393	6680	4204	404220	6845	N/A
32	5/11/2025	96.1	10256	6824	4684	412900	6917	N/A
33	5/11/2025	97.9	10512	5607	5138	410460	6912	N/A
34	5/11/2025	97.9	10394	5736	5097	413380	6969	N/A
35	5/11/2025	96.9	10316	7294	5249	414480	6941	N/A
36	5/12/2025	96.6	10102	6772	4480	409400	6913	N/A
37	5/12/2025	96.5	10257	6044	5126	400580	6766	N/A
38	5/12/2025	97.4	10178	6241	4872	407050	6856	N/A
39	5/12/2025	97.1	10052	6741	4880	406840	6870	N/A
40	5/13/2025	97.4	10165	6486	4672	414380	6913	N/A
41	5/13/2025	96.1	10875	5675	5239	411420	6952	N/A
42	5/13/2025	95.7	10139	5841	4865	411320	6930	N/A
43	5/13/2025	97.2	10197	6893	4979	410160	6885	N/A
44	5/14/2025	96.6	9989	8101	3218	406660	6856	N/A
45	5/14/2025	95.3	9884	5689	5025	409060	6931	N/A
46	5/14/2025	96.2	9998	6323	3862	406840	6937	N/A
47	5/15/2025	98.7	10177	7745	4376	412980	6994	N/A
48	5/15/2025	96.7	9908	7183	4477	410400	7054	N/A
49	5/15/2025	97.1	9696	4088	4349	412320	6855	N/A
50	5/16/2025	95.6	10261	6160	5289	412000	7148	N/A
51	5/16/2025	97.7	9975	5749	4684	410420	7086	N/A
52	5/16/2025	98.2	10279	5741	5311	412000	7148	N/A
53	5/17/2025	98	9951	5873	4004	413080	7029	N/A
54	5/17/2025	97.2	9684	6678	5634	404140	6966	N/A
55	5/18/2025	97	9411	5783	5053	408940	6998	N/A
56	5/18/2025	97.3	9064	5631	4718	419360	7128	N/A
57	5/19/2025	98.6	9223	5955	5322	407900	6965	N/A
58	5/19/2025	91.1	8992	6417	4816	415380	7049	N/A
59	5/19/2025	98.1	9202	6491	4278	405300	7048	N/A
60	5/20/2025	95.9	8908	5659	5111	408520	6969	N/A
61	5/20/2025	98	8822	4777	4823	410240	6817	N/A
62	5/20/2025	97.1	8388	6908	4285	411540	6852	N/A
63	5/21/2025	98.1	8756	5964	4846	409440	6944	N/A
64	5/21/2025	98.4	8545	5976	5085	409240	6832	N/A
65	5/22/2025	99.3	8533	4911	4923	403900	6836	N/A
66	5/22/2025	98.4	8369	6023	4427	410940	6999	N/A
67	5/22/2025	99.2	8704	7170	3536	409440	7014	N/A
68	5/25/2025	98.4	8605	6630	4882	415660	7028	N/A
69	5/28/2025	99.2	8129	5608	4474	414920	6994	N/A
70	5/28/2025	97.6	8440	4018	4760	396860	6749	N/A
71	5/29/2025	98.3	8370	7003	4637	414320	6821	N/A
72	5/29/2025	98.2	8448	6238	5055	407040	6802	N/A
73	5/29/2025	98.9	8044	6031	5415	409940	7059	N/A
74	5/30/2025	98.7	8221	6090	5037	410380	6795	N/A
75	5/30/2025	98.6	7960	6819	4433	409440	6781	N/A
76	5/30/2025	99.2	8047	6922	4540	409980	6926	N/A
77	5/30/2025	99	8528	7625	4840	413340	6776	N/A
78	5/31/2025	97.2	8448	6290	4197	393980	6514	N/A
79	5/31/2025	98.8	7882	7246	3527	397680	6578	N/A
80	5/31/2025	89.5	8679	5410	3818	413880	7875	N/A
81	5/31/2025	98.3	8153	6209	4498	405420	6706	N/A
82	5/31/2025	99.1	8455	6032	4515	411460	6711	N/A
83	6/1/2025	98.9	7811	6201	4341	405480	6658	N/A
84	6/1/2025	98.4	7721	6643	4202	413660	6754	N/A
85	6/1/2025	97.6	8137	7294	3946	411600	6713	N/A
86	6/1/2025	99.1	7750	6581	4269	412260	6775	N/A
87	6/1/2025	98.5	7608	5881	4343	408820	6673	N/A
88	6/2/2025	98.5	7624	5849	4485	416240	6764	N/A
89	6/2/2025	98.2	7265	6541	4650	413380	6759	N/A
	AVERAGE	96.1	9,534	6,319	4,564	36,153,350	625,876	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
Silty Sandstone	100	170	100	170
Silty Sandstone, Occ LS	170	370	170	370
Silty Sandstone	370	570	370	570
Sandstone. Scat SLTST, Scat LS	570	770	570	770
Silty Sandstone, tr LS	770	970	770	970
Sandy Siltstone	970	1,170	970	1,170
Sandy Siltstone	1,170	1,370	1,170	1,370
Silty Sandstone, tr MICA	1,370	1,770	1,370	1,770
Silty Sandstone, tr LS, tr PYR	1,770	1,870	1,770	1,870
Sandy Limestone, rr Shale	1,870	1,822	1,870	1,864
Big Lime	1,852	2,481	1,864	2,589
Fifty Foot Sandstone	2,481	2,566	2,559	2,682
Gordon	2,566	2,851	2,652	2,996
Fifth Sandstone	2,851	3,126	2,966	3,298
Bayard	3,126	3,986	3,268	4,238
Speechley	3,986	4,205	4,208	4,477
Balltown	4,205	4,545	4,447	4,844
Bradford	4,545	4,684	4,814	4,994
Benson	4,684	5,073	4,964	5,413
Alexander	5,073	5,949	5,383	6,684
Sycamore	5,919	6,009	6,373	6,492
Middlesex	6,009	6,106	6,492	6,654
Burkett	6,106	6,130	6,654	6,710
Tully	6,130	6,134	6,710	6,719
Marcellus	6,134	NA	6,719	NA

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Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.8000	GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number:	FW1312-32	
Tool Model:	Probe275T	
Calibration Casing Diameter:	5.500	in
Calibration Depth:	497.533	ft

Master Calibration, performed (Derived):

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.019	0.628	3.400	71.921	112.408	1.308
CAL	-0.000	1.022				
5'	0.005	0.613	3.400	71.921	112.762	2.785
SUM						
S1	0.076	0.660	0.000	100.000	171.336	-13.033
S2	0.005	0.602	0.000	100.000	167.304	-0.791
S3	0.009	0.620	0.000	100.000	163.750	-1.529
S4	0.006	0.626	0.000	100.000	161.480	-1.036
S5	0.004	0.639	0.000	100.000	157.409	-0.595
S6	0.003	0.658	0.000	100.000	152.680	-0.484
S7	0.009	0.649	0.000	100.000	156.135	-1.349
S8	0.005	0.630	0.000	100.000	159.990	-0.765

Internal Reference Calibration, performed (Not Performed):

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	-0.000	1.022	1.000	0.000

Air Zero Calibration, performed Mon Apr 28 08:18:13 2025:

	Raw (v)		Calibrated (v)		Results	
	Zero		Zero		Gain	Offset
3'	0.000		0.000			0.000
5'	0.000		0.000			0.000
SUM						
S1	0.000		0.000			0.000
S2	0.000		0.000			0.000
S3	0.000		0.000			0.000
S4	0.000		0.000			0.000
S5	0.000		0.000			0.000
S6	0.000		0.000			0.000
S7	0.000		0.000			0.000
S8	0.000		0.000			0.000

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Company	ANTERO RESOURCES
Well	SATURN UNIT 1H
Field	MOUNTAIN
County	RITCHIE
State	WV

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Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	04/30/2025
Job End Date:	06/02/2025
State:	West Virginia
County:	Ritchie
API Number:	47-085-10536-00-00
Operator Name:	Antero Resources Corporation
Well Name and Number:	Saturn Unit 1H
Latitude:	39.287023
Longitude:	-81.021049
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	6259
Total Base Water Volume (gal)*:	27733566
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					
CIA-12	NexTier Completions Solutions	Acid corrosion inhibitor					
Fineide GQ 12A	NexTier Completions Solutions	Biocide					RECEIVED Office of Oil and Gas NOV 21 2025
LX21	Halliburton	Friction Reducer					WV Department of Environmental Protection
NGA-14	NexTier Completions Solutions	Gelling Agent					
Other Chemical(s)	Listed Above	See Trade Name(s)					
SlickStim 150CE-15	NexTier Completions Solutions	Friction Reducer					

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SlickStim 300CE-31	NexTier Completions Solutions	Friction Reducer					
StimBreak Encap APB LT	NexTier Completions Solutions	Breaker					
ViscStim 300CE-113	NexTier Completions Solutions	Friction Reducer					
Water	Operator	Carrier Fluid					
Items above are Trade Names. Items below are the individual ingredients.							
			Water	7732-18-5	100.00000	86.13948	
			Crystalline Silica	14808-60-7	99.90000	13.48762	
			Water	7732-18-5	85.00000	0.26463	
			Hydrochloric Acid	7647-01-0	15.00000	0.04670	
			Aluminum Oxide	1344-28-1	0.10000	0.01350	
			Chemplex-Polymer-00019	Proprietary	40.00000	0.01290	
			Isoalkanes	6742-47-8	30.00000	0.00968	
			Glutaraldehyde	111-30-8	30.00000	0.00228	
			Chemplex-surfactant-00015	Proprietary	5.00000	0.00161	
			Distillates (petroleum), hydrotreated light	64742-47-8	30.00000	0.00125	
			Chemplex-surfactant-00021	Proprietary	3.00000	0.00097	
			Acrylamide chloride salt od trimethylammonio ethyl acrylate copolymer	69418-26-4	40.00000	0.00081	
			Water	7732-18-5	40.00000	0.00081	
			Alkanes, C12-26-Branched and Linear	90622-59-6	40.00000	0.00081	
			Distillates (Petroleum), Hydrotreated Light	64742-47-8	50.00000	0.00059	
			Alkyl (C12-16) dimethylbenzylammonium chloride	68424-85-1	5.00000	0.00038	
			1-Decanaminium, N-decyl- N,N-dimethyl-,chloride	7173-51-5	5.00000	0.00038	
			Alcohols, C12-16, ethoxylated	68551-12-2	5.00000	0.00021	
			Fatty nitrogen derived amides	Proprietary	5.00000	0.00021	
			Ethylene glycol	107-21-1	45.00000	0.00013	
			Glycol Ether EB	111-76-2	45.00000	0.00013	
			Distillates (petroleum), hydrotreated light	64742-47-8	30.00000	0.00012	

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			Ammonium Persulfate	7727-54-0	90.00000	0.00012	
			Alcohols, C12-16, ethoxylated	68551-12-2	5.00000	0.00010	
			Chemplex-Polymer-00019	Proprietary	20.00000	0.00008	
			N,N-Dimethylformamide	68-12-2	20.00000	0.00006	
			Tar bases,quinoline derivs.,benzyl chloride-quaternized	72480-70-7	20.00000	0.00006	
			Bentonite	1302-78-9	5.00000	0.00006	
			Alkoxylated Isodecyl Alcohol	154518-36-2	5.00000	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	
			ammonium chloride	12125-02-9	5.00000	0.00002	
			alcohols, C12-16, ethoxylated	68551-12-2	5.00000	0.00002	
			oleic acid diethanolamide	93-83-4	5.00000	0.00002	

* 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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LATITUDE 39°17'30"

6,004'

LATITUDE 39°15'00"

713' TO BOTTOM HOLE

Antero Resources Corporation Well No. Saturn #1H

18-14.2	RONALD HAYHURST
24-04	DAVID LAWRENCE
24-4.1	ROGER HART
24-05	RICHARD BLOUIR
24-5.2	FREDERICK WANSTREET
24-21	FRANKLIN OWENS
24-22	CHARLES THOMAS
24-22.1	TRIPLE B TRUCKING INC
24-23	CLARENCE MCCULLOUGH
24-23.1	CLARENCE MCCULLOUGH
24-24	KIMBERLY BARNES
24-24.1	MATTHEW BLOUIR
24-33	CHRISTOPHER LANE
24-34	CRAIG HOGUE
24-34.1	CRAIG HOGUE
24-34.2	STONEWALL PROPERTY HOLDINGS LLC
24-34.4	BARNES & SONS TRUCKING LLC
24-34.5	RODNEY HOGUE
24-35	RICHARD LAMBERT
24-35.1	RICHARD LAMBERT
24-35.3	RICHARD LAMBERT
24-36	BRUCETON FARM SERVICE INC
24-36.1	RONALD LANE INC.
24-37	RONALD LANE INC.
24-37.1	PARKS PERKINS PROPERTIES LLC
24-38	CHRISTOPHER LANE
24-40.2	PARKS PERKINS PROPERTIES LLC
24-40.3	MICHAEL HALL
24-41	HALL FAMILY TRUST
24-41.1	NEW MARTINSVILLE SUPPLY COMPANY INC.
24-45	MICHAEL HALL
24-45.1	MICHAEL HALL
24-45.2	DAVID SEESE
24-45.3	ROBERT OWENS
24-45.4	PATRICK SEESE
24-45.5	DAVID SEESE
24-46	CLINTEN GILLIS
24-46.2	DAVID SEESE
29-4.1	ROBERT SHIPE
29-4.2	ROBERT SHIPE
29-4.3	ROBERT SHIPE
29-4.4	ROBERT SHIPE
29-05	THE NATURE CONSERVANCY
29-10	JOHNNIE BOSTON
29-29	MARK MOSSOR
29-30	ERICA DEEM
29-31	LORRAINE RANKIN
29-31.1	CURTIS SEESE
29-32	WILLIAM EDMUNSTER
29-33	AMOS BUNNER
29-47	ROBERT KOCH
29-49	ERICA DEEM
29-50	ERICA DEEM
29-51	ERICA DEEM

AS DRILLED DATA:
 WELL 1H TOP HOLE INFORMATION:
 N: 290,264ft E: 1,569,440ft
 LAT: 39°17'12.97" LON: 81°01'16.37"
 BOTTOM HOLE INFORMATION:
 N: 271,248ft E: 1,574,415ft
 LAT: 39°14'05.88" LON: 81°00'09.06"

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: 4,348,628m E: 498,185m
 BOTTOM HOLE INFORMATION:
 N: 4,342,860m E: 499,797m

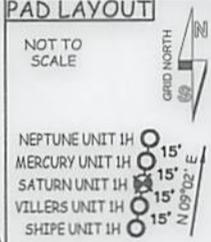
(NAD) 27 (UTM) ZONE 17 COORDS:
 WELL 1H TOP HOLE INFORMATION:
 N: 14,266,411ft E: 1,634,414ft
 POINT OF ENTRY INFORMATION:
 N: 14,264,189ft E: 1,633,961ft
 BOTTOM HOLE INFORMATION:
 N: 14,247,488ft E: 1,639,704ft

LESSOR	
A	WEST VIRGINIA DIVISION OF MULTIMODAL TRANSPORTATION FACILITIES
B	TOM G. STRICKLER, JR. ET UX
C	KIMBERLY BARNES
D	NANCY LOUISE VAUGHN
E	DOROTHY L. KLEPFEL
F	RONALD LANE
G	PARKS AND PERKINS PROPERTIES, LLC.
H	NORMAN LOYD JACKSON
I	PARKS AND PERKINS PROPERTIES, LLC.
J1	WILLIAM MOORE AND MELVINA MOORE
J2	WILLIAM MOORE AND MELVINA MOORE
J3	WILLIAM MOORE AND MELVINA MOORE
J4	WILLIAM MOORE AND MELVINA MOORE
K	LYNN C. WELLS AND CAROL SUE WELLS
L1	WILLIAM MOORE AND MELVINA MOORE
L2	WILLIAM MOORE AND MELVINA MOORE
L3	WILLIAM MOORE AND MELVINA MOORE
L4	WILLIAM MOORE AND MELVINA MOORE
L5	WILLIAM MOORE AND MELVINA MOORE
L6	WILLIAM MOORE AND MELVINA MOORE
L7	WILLIAM MOORE AND MELVINA MOORE
L8	WILLIAM MOORE AND MELVINA MOORE
L9	WILLIAM MOORE AND MELVINA MOORE
M	THE NATURE CONSERVANCY
N1	RIDGEWOOD DEVELOPMENT, LLC.
N2	RIDGEWOOD DEVELOPMENT, LLC.
N3	RIDGEWOOD DEVELOPMENT, LLC.
N4	RIDGEWOOD DEVELOPMENT, LLC.
O1	RIDGETOP TEN, LLC.
O2	RIDGETOP TEN, LLC.
P	NEAL COLLINS
Q	CRAIG LEE SETH AND LINDA EVE SETH
R	EMMA J. VALENTINE
S	JANET RIDDLE-STANLEY
T	VIRGINIA L. CONNERS
U	AGNES L. ROGERS
V	F. ROBERT HAYHURST FAMILY TRUST
W	CLARENCE J. MCCULLOUGH ET UX
X	RICHARD BLOUIR ET AL
Y	FRANKLIN OWENS & ANNIE I. OWENS
Z	CHARLES A. BROADWATER
AA	WAYNE DOUGLAS STEWART

WV NORTH ZONE GRID NORTH

1,724' LONGITUDE 81°00'00"

5,476' TO BOTTOM HOLE LONGITUDE 81°00'00"



WATER WELLS		
W1	S 13°36' E	1772.1'
W2	N 87°26' W	929.2'
W3	S 24°40' W	864.4'
W4	S 19°28' E	906.8'
W5	S 27°55' E	993.1'
W6	S 40°30' E	1566.5'
W7	N 40°45' W	960.8'
W8	S 48°22' E	1604.4'
W9	S 52°09' E	1872.9'

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.



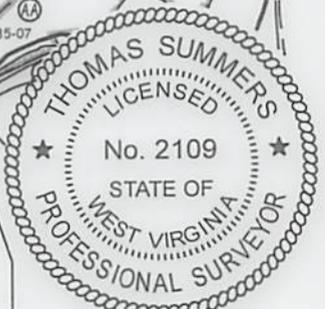
STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

WILLOW LAND SURVEYING PLLC
 220 MASONIC AVE. PENNSBORO WEST VIRGINIA 26415

JOB # 23-010WA
 DRAWING # SATURN1HAD
 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	
<i>Thomas Summers</i>		
THOMAS SUMMERS P.S. 2109		
DATE 11/12/25		
OPERATOR'S WELL# SATURN UNIT #1H		
47	085	10536
STATE	COUNTY	PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION AS BUILT - 1,007' WATERSHED NORTH FORK HUGHES RIVER
 QUADRANGLE ELLENBORO 7.5' DISTRICT CLAY COUNTY RITCHIE
 SURFACE OWNER RICHARD E. BLOUIR ET UX ACREAGE 53.682 ACRES +/-
 OIL & GAS ROYALTY OWNER AGNES L. ROGERS LEASE ACREAGE 57 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 6,280' TVD 24,426' 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



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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 POLIARY 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.