

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

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Office of Oil and Gas

JAN 16 2025

WV Department of
Environmental Protection

API 47 - 085 - 10510 County Ritchie District Clay
Quad Ellenboro 7.5' Pad Name Pinewood Field/Pool Name -----
Farm name Antero Resources Corporation Well Number Conklin 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 4351026m Easting 497370m
Landing Point of Curve Northing 4351375.17m Easting 497172.90m
Bottom Hole Northing 4355878m Easting 495647m

Elevation (ft) 1066' 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 12/21/2023 Date drilling commenced 4/1/2024 Date drilling ceased 5/21/2024
Date completion activities began 8/4/2024 Date completion activities ceased 9/20/2024
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 200', 378', 878' Open mine(s) (Y/N) depths No
Salt water depth(s) ft 1490' 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:

APPROVED

J. N.
04/04/2025 3:14-23

API 47- 085 - 10510 Farm name Antero Resources Corporation Well number Conklin 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"	984'	New	54.5#, J-55	N/A	Y
Coal							
Intermediate 1	12-3/8"	9-5/8"	3084'	New	36#, J-55	N/A	Y
Intermediate 2							
Intermediate 3							
Production	8-3/4" /8-1/2"	5-1/2"	22701'	New	23#, P-110	N/A	Y
Tubing		2-3/8"	6246'		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	204 sx	15.6	1.18	241	0'	8 Hrs.
Surface	Class C	561 sx	15.8	1.16	651	0'	8 Hrs.
Coal							
Intermediate 1	Class C	1240 sx	15.8	1.16	1438	0'	8 Hrs.
Intermediate 2							
Intermediate 3							
Production	Class H	3890 sx (Tail)	13.5 (Spacer), 15.2(Tail)	1.31 (Tail)	5096	~500' into Intermediate Casing	8 Hrs.
Tubing							

Drillers TD (ft) 22,701' MD, 6,173' TVD (BHL), 6265' TVD (Deepest Point Drilled) Loggers TD (ft) 22670' MD

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

Plug back procedure N/A

Kick off depth (ft) 5555'

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


04/04/2025

API 47- 085 - 10510 Farm name Antero Resources Corporation Well number Conklin 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.

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.

J.N.
04/04/2025

API 47- 085 - 10510 Farm name Antero Resources Corporation Well number Conklin Unit 1H

PRODUCING FORMATION(S)

DEPTHS

Marcellus 6213' (TOP) TVD 6403' (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 17,019.84 mcfpd Oil 244.26 bpd NGL --- bpd Water 1,186.18 bpd GAS MEASURED BY ☐ Estimated ☒ Orifice ☐ Pilot

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

***PLEASE SEE ATTACHED EXHIBIT 3**

Please insert additional pages as applicable.

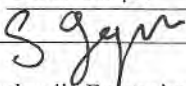
Drilling Contractor H & P Drilling
Address 912 N Eagle Valley Rd City Howard State PA Zip 16841

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

Cementing Company Haliburton
Address 3000 N Sam Houston Pkwy E. City Houston State TX Zip 77032

Stimulating Company Halliburton
Address 3000 N Sam Houston Pkwy E. City Houston State TX Zip 77032

Please insert additional pages as applicable.

Completed by Stefan Gaspar Telephone 303-357-6959
Signature  Title Permitting Agent Date 1/15/25

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

04/04/2025

API 07-085-10510 Farm Name Michael Underwood Et Al Well Number Conklin Unit 1H					
EXHIBIT 1					
Stage No.	Perforation Date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formations
1	8/4/2024	22615.9	22576.2	36	Marcellus
2	8/4/2024	22537.35833	22371.15	36	Marcellus
3	8/5/2024	22335.50833	22169.3	36	Marcellus
4	8/5/2024	22133.65833	21967.45	36	Marcellus
5	8/5/2024	21931.80833	21765.6	36	Marcellus
6	8/6/2024	21729.95833	21563.75	36	Marcellus
7	8/6/2024	21528.10833	21361.9	36	Marcellus
8	8/6/2024	21326.25833	21160.05	36	Marcellus
9	8/6/2024	21124.40833	20958.2	36	Marcellus
10	8/7/2024	20922.55833	20756.35	36	Marcellus
11	8/7/2024	20720.70833	20554.5	36	Marcellus
12	8/7/2024	20518.85833	20352.65	36	Marcellus
13	8/8/2024	20317.00833	20150.8	36	Marcellus
14	8/8/2024	20115.15833	19948.95	36	Marcellus
15	8/8/2024	19913.30833	19747.1	36	Marcellus
16	8/9/2024	19711.45833	19545.25	36	Marcellus
17	8/9/2024	19509.60833	19343.4	36	Marcellus
18	8/10/2024	19307.75833	19141.55	36	Marcellus
19	8/10/2024	19105.90833	18939.7	36	Marcellus
20	8/10/2024	18904.05833	18737.85	36	Marcellus
21	8/10/2024	18702.20833	18536	36	Marcellus
22	8/11/2024	18500.35833	18334.15	36	Marcellus
23	8/11/2024	18298.50833	18132.3	36	Marcellus
24	8/11/2024	18096.65833	17930.45	36	Marcellus
25	8/12/2024	17894.80833	17728.6	36	Marcellus
26	8/12/2024	17692.95833	17526.75	36	Marcellus
27	8/12/2024	17491.10833	17324.9	36	Marcellus
28	8/13/2024	17289.25833	17123.05	36	Marcellus
29	8/13/2024	17087.40833	16921.2	36	Marcellus
30	8/13/2024	16885.55833	16719.35	36	Marcellus
31	8/14/2024	16683.70833	16517.5	36	Marcellus
32	8/14/2024	16481.85833	16315.65	36	Marcellus
33	8/14/2024	16280.00833	16113.8	36	Marcellus
34	8/14/2024	16078.15833	15911.95	36	Marcellus
35	8/15/2024	15876.30833	15710.1	36	Marcellus
36	8/15/2024	15674.45833	15508.25	36	Marcellus
37	8/15/2024	15472.60833	15306.4	36	Marcellus
38	8/16/2024	15270.75833	15104.55	36	Marcellus
39	8/16/2024	15068.90833	14902.7	36	Marcellus
40	8/16/2024	14867.05833	14700.85	36	Marcellus
41	8/17/2024	14665.20833	14499	36	Marcellus
42	8/17/2024	14463.35833	14297.15	36	Marcellus
43	8/17/2024	14261.50833	14095.3	36	Marcellus
44	8/17/2024	14059.65833	13893.45	36	Marcellus
45	8/18/2024	13857.80833	13691.6	36	Marcellus
46	8/18/2024	13655.95833	13489.75	36	Marcellus
47	8/18/2024	13454.10833	13287.9	36	Marcellus
48	8/19/2024	13252.25833	13086.05	36	Marcellus
49	8/19/2024	13050.40833	12884.2	36	Marcellus
50	8/19/2024	12848.55833	12682.35	36	Marcellus
51	8/19/2024	12646.70833	12480.5	36	Marcellus
52	8/20/2024	12444.85833	12278.65	36	Marcellus
53	8/20/2024	12243.00833	12076.8	36	Marcellus
54	8/20/2024	12041.15833	11874.95	36	Marcellus
55	8/21/2024	11839.30833	11673.1	36	Marcellus
56	8/21/2024	11637.45833	11471.25	36	Marcellus
57	8/21/2024	11435.60833	11269.4	36	Marcellus
58	8/21/2024	11233.75833	11067.55	36	Marcellus
59	8/22/2024	11031.90833	10865.7	36	Marcellus
60	8/22/2024	10830.05833	10663.85	36	Marcellus
61	8/22/2024	10628.20833	10462	36	Marcellus
62	8/23/2024	10426.35833	10260.15	36	Marcellus
63	8/23/2024	10224.50833	10058.3	36	Marcellus
64	8/23/2024	10022.65833	9856.45	36	Marcellus
65	8/23/2024	9820.80833	9654.6	36	Marcellus
66	8/24/2024	9618.95833	9452.75	36	Marcellus
67	8/24/2024	9417.10833	9250.9	36	Marcellus
68	8/24/2024	9215.25833	9049.05	36	Marcellus
69	8/24/2024	9013.40833	8847.2	36	Marcellus
70	8/25/2024	8811.55833	8645.35	36	Marcellus
71	8/25/2024	8609.70833	8443.5	36	Marcellus
72	8/25/2024	8407.85833	8241.65	36	Marcellus
73	8/26/2024	8206.00833	8039.8	36	Marcellus
74	8/26/2024	8004.15833	7837.95	36	Marcellus
75	8/26/2024	7802.30833	7636.1	36	Marcellus
76	8/26/2024	7600.45833	7434.25	36	Marcellus
77	8/27/2024	7398.60833	7232.4	36	Marcellus
78	8/27/2024	7196.75833	7030.55	36	Marcellus
79	8/27/2024	6994.90833	6828.7	36	Marcellus
80	8/27/2024	6793.05833	6626.85	36	Marcellus
81	8/27/2024	6591.20833	6425	36	Marcellus

04/04/2025

API 47-085-10510 Form Name Michael Underwood Et Al Well Number Conklin 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 (bbbls)	Amount of Nitrogen/ other (units)
1	8/4/2024	81.88139	9778.821	8096.73	3721.93	166200	4512.0238	N/A
2	8/4/2024	97.11497	10076.01	6421.63	4037.654	397575	7534.881	N/A
3	8/5/2024	87.25782	9103.941	6163.15	4494.23	397860	10289	N/A
4	8/5/2024	96.27809	10180.97	5282.66	4077.446	401450	7447.2381	N/A
5	8/5/2024	90.30426	9507.344	5483.05	3788.902	400600	7096.7143	N/A
6	8/6/2024	96.68352	10077.98	5833.19	3677	416100	7454.0476	N/A
7	8/6/2024	93.54888	9890.117	5931.84	3912.648	401000	7159.4524	N/A
8	8/6/2024	90.9669	9643.205	5998.19	3492.409	412040	7228.9524	N/A
9	8/6/2024	95.71241	9943.232	5592.21	3890	396300	7194.119	N/A
10	8/7/2024	98.2511	10083.73	6075.2	3889.687	418200	7505.5	N/A
11	8/7/2024	97.43444	9583.82	5648.55	4009	396450	7122.5238	N/A
12	8/7/2024	97.73079	9940.696	5760.37	4265.033	396330	7125.0714	N/A
13	8/8/2024	97.54797	9975.448	5785.21	4114.578	399660	7143.3095	N/A
14	8/8/2024	93.6175	9925.14	6264.5	3986.729	416060	7298.6667	N/A
15	8/8/2024	93.61918	9611.603	5526.75	3601.962	409896	7155.3571	N/A
16	8/9/2024	96.22494	9893.899	6022.49	3766.44	417180	7491.5952	N/A
17	8/9/2024	92.23316	9554.123	6087.71	4178.304	421100	7481.4524	N/A
18	8/10/2024	96.76637	9585.708	5922.6	3773.734	417200	7285.619	N/A
19	8/10/2024	97.0647	9478.019	6024.37	3737.293	401280	7158.4524	N/A
20	8/10/2024	97.3826	9568.919	5740.79	3707	423020	7289.2143	N/A
21	8/10/2024	97.17155	9354.057	6011.01	3886.16	395130	6916.5714	N/A
22	8/11/2024	97.99814	9776.208	5902.72	3624.805	395990	6904.381	N/A
23	8/11/2024	96.84187	9582.965	6251.96	3728.507	420420	7212.0952	N/A
24	8/11/2024	98.48822	9923.033	6497.53	3142.74	398710	6926.6905	N/A
25	8/12/2024	97.31248	9655.758	5924.68	3923	397980	6937.619	N/A
26	8/12/2024	97.44622	9984.939	5784.85	3577.352	402320	7107.9286	N/A
27	8/12/2024	96.90325	9494.721	5604.3	3467.396	421420	7332.6667	N/A
28	8/13/2024	98.26605	9651.847	5776.29	3039.339	419740	7289.0952	N/A
29	8/13/2024	97.47677	9476.345	5597.17	3027.716	423940	7385.2143	N/A
30	8/13/2024	96.9321	9636.574	5935.28	3232.53	411460	7345	N/A
31	8/14/2024	97.90457	9608.685	6132.41	3915.705	420120	7180.2857	N/A
32	8/14/2024	95.6558	9791.841	6014.65	3073.315	423540	7169.119	N/A
33	8/14/2024	92.23043	9859.596	5834.16	3027.937	420060	7010.4048	N/A
34	8/14/2024	97.39889	9695.719	5754.4	3314.297	423220	7130.5	N/A
35	8/15/2024	97.45961	10091.63	6290.52	3152.459	414220	6962.6667	N/A
36	8/15/2024	92.37689	9099.079	6243.36	3456.336	416170	6904	N/A
37	8/15/2024	97.65361	9608.6	5912.38	3110.817	414200	6947	N/A
38	8/16/2024	98.09837	9577.018	5265.49	3765.541	393870	6840	N/A
39	8/16/2024	96.87809	9419.136	6407.07	3512.871	405440	6903.7857	N/A
40	8/16/2024	95.65076	9100	5997.02	3431.992	391190	6824.4048	N/A
41	8/17/2024	97.41496	9358.528	5607.28	3350.373	417340	6983.5238	N/A
42	8/17/2024	97.05798	9103.759	5346.26	3518.145	398010	6972.6667	N/A
43	8/17/2024	95.93653	9021.967	5976.18	3340.926	416100	7079.4524	N/A
44	8/17/2024	97.51167	9208.08	5606.89	3528.666	392020	6861.619	N/A
45	8/18/2024	97.64913	8993.66	5880.37	3255.694	412240	7046.6667	N/A
46	8/18/2024	97.05256	9067.998	6304.91	3427.713	400780	6955.6905	N/A
47	8/18/2024	97.32394	9091.476	5870.16	3619.114	414800	7048.5238	N/A
48	8/19/2024	96.57217	8845.065	5633.18	3605.957	397720	6762.4524	N/A
49	8/19/2024	98.26893	8637.723	5934.11	3543.223	416380	7166.5952	N/A
50	8/19/2024	97.13487	8811.072	5954.23	3633.056	399300	6882.881	N/A
51	8/19/2024	97.68415	8869.831	5796.29	3440	419100	6966.5	N/A
52	8/20/2024	97.55887	8667	6027.23	3451.062	403140	6806.0714	N/A
53	8/20/2024	96.54114	8786.95	5930.77	3916	422200	7112.4524	N/A
54	8/20/2024	96.77703	8601.479	5827.88	3984	399130	6831.8571	N/A
55	8/21/2024	97.27268	8308.27	6092.15	3553.034	422480	7014	N/A
56	8/21/2024	97.01269	8634.767	5621.99	3601.536	392020	6610	N/A
57	8/21/2024	97.55853	8846.794	5674.83	3922	415760	6889	N/A
58	8/21/2024	97.06612	8875.275	5631.63	4003	397310	6671	N/A
59	8/22/2024	97.22456	8969.15	6632.03	3978.984	417220	6848	N/A
60	8/22/2024	96.02313	8734.062	6186.37	3895.356	391540	6608	N/A
61	8/22/2024	96.63575	8630.566	6223.23	3973	416940	6814	N/A
62	8/23/2024	96.78024	8341.629	5922.52	3753.389	396900	6791	N/A
63	8/23/2024	95.54565	8043.732	5893.41	4056.625	416620	6875	N/A
64	8/23/2024	96.65211	8102.132	6043.41	4294	392190	6488	N/A
65	8/23/2024	97.2878	8343.354	5801.64	4222	423040	6747	N/A
66	8/24/2024	97.11635	8433.837	6275.91	3722.495	396160	6505	N/A
67	8/24/2024	98.46035	8565.561	5997.86	3695.125	404660	6688	N/A
68	8/24/2024	97.8037	8217.527	6282.31	3937.992	407200	6633	N/A
69	8/24/2024	92.63928	8586.699	5789.71	3933	417920	6644	N/A
70	8/25/2024	96.53329	8772.402	6483.29	3907.48	395970	6595	N/A
71	8/25/2024	97.9993	8059.929	6047.91	4105	405880	6546	N/A
72	8/25/2024	96.85249	7967	5873.36	3930	398860	6689	N/A
73	8/26/2024	97.40549	7913.493	5414.68	3915	415660	6706	N/A
74	8/26/2024	97.29361	7526.995	5472.94	4061.402	396630	6331	N/A
75	8/26/2024	97.27139	7077.407	4919.45	2578	419480	6592	N/A
76	8/26/2024	96.70403	6633.737	1798.04	2517	399670	6645	N/A
77	8/27/2024	97.56808	6884.998	2423.62	2487.615	421880	6624	N/A
78	8/27/2024	97.57943	7095.448	2521.66	3048	394450	6422	N/A
79	8/27/2024	98.07742	7847.061	2890.36	3053.461	394670	7532	N/A
80	8/27/2024	99.25223	7253.812	2596.52	3238	395800	6316	N/A
81	8/27/2024	96.96664	7724.165	2583.46	2950.783	420360	6994	N/A
AVERAGE		96.4	9,028	5,674	3,636	32,790,171	565,497	0

04/04/2025

EXHIBIT 3

LITHOLOGY/ FORMATION	TOP DEPTH (TVD) From Surface	BOTTOM DEPTH (TVD) From Surface	TOP DEPTH (MD) From Surface	BOTTOM DEPTH (MD) 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	1170	970	1170
Sandy Siltstone	1170	1370	1170	1370
Silty Sandstone, tr MICA	1370	1770	1370	1770
Silty Sandstone, tr LS, tr PYR	1770	1870	1770	1870
Sandy Limestone, rr Shale	1870	1880	1870	1880
Big Lime	1910	2618	1880	2618
Fifty Foot Sandstone	2618	2719	2588	2719
Gordon	2719	2908	2689	2908
Fifth Sandstone	2908	3142	2878	3142
Bayard	3142	4037	3112	4041
Speechley	4037	4255	4011	4261
Balltown	4255	4617	4231	4625
Bradford	4617	4834	4595	4843
Benson	4834	5134	4813	5146
Alexander	5134	6092	5116	6169
Sycamore	5979	6062	6026	6139
Middlesex	6062	6162	6139	6318
Burkett	6162	6183	6318	6373
Marcellus	6183	NA	6373	NA

LATITUDE 39°20'00"

8,680'

LATITUDE 39°22'30" 2,551' TO BOTTOM HOLE

Antero Resources
Corporation
Well No. Conklin #1H

AS DRILLED DATA:

WELL 1H TOP HOLE INFORMATION:

N: 298,178ft E: 1,566,896ft

LAT: 39°18'30.76" LON: 81°01'50.44"

BOTTOM HOLE INFORMATION:

N: 314,194ft E: 1,561,509ft

LAT: 39°21'08.13" LON: 81°03'02.50"

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: 4,351,026m E: 497,370m

BOTTOM HOLE INFORMATION:

N: 4,355,878m E: 495,647m

(NAD) 27 (UTM) ZONE 17 COORDS:

WELL 1H TOP HOLE INFORMATION:

N: 14,274,278ft E: 1,631,739ft

POINT OF ENTRY INFORMATION:

N: 14,274,765ft E: 1,631,392ft

BOTTOM HOLE INFORMATION:

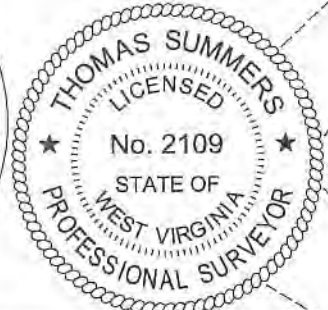
N: 14,290,197ft E: 1,626,088ft

LAFAYETTE DISTRICT PLEASANTS COUNTY	
10-24	Sheryl Byrd
10-25	Christopher Hackathorn II
10-25.1	Rex Cox
10-25.3	Ellery Wilson
10-25.4	Ellery Wilson
10-25.5	Rex Cox
10-26	Mark Hadley
10-26.1	Mark Hadley
10-27	John Bills
10-33	Charles McCullough
10-34	Charles McCullough
10-35	Donna Mossor
10-36	Donna Mossor
10-37	Donna Mossor
10-38	Paul Riggs
10-40	Mark Hadley
10-41	Donna Mossor
10-42	Donna Mossor
12-4.1	Ricky Mossor
12-4.3	Ricky Mossor

LESSOR	
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12-16.1	Michael Underwood Et Al
12-16.2	Michael Underwood Et Al
12-16.3	Michael Underwood Et Al
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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 POULTRY HUSBANDRY ARE LOCATED WITHIN SIX HUNDRED TWENTY-FIVE (225) 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.



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 PRESCRIBED 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 # 23-024WA
DRAWING # CONKLIN1HAD
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 12/12/24

OPERATOR'S WELL# CONKLIN UNIT #1H

WELL TYPE: OIL ☐ GAS ☒ LIQUID INJECTION ☐ WASTE DISPOSAL ☐ 47 ☐ 085 ☐ 10510
(IF "GAS") PRODUCTION ☒ STORAGE ☐ DEEP ☐ SHALLOW ☒ STATE COUNTY PERMIT
LOCATION: ELEVATION 1,068' - AS BUILT WATERSHED NORTH FORK HUGHES RIVER
QUADRANGLE ELLENBORO 7.5' DISTRICT CLAY COUNTY RITCHIE
SURFACE OWNER MICHAEL UNDERWOOD ET AL ACREAGE 50 ACRES +/-
OIL & GAS ROYALTY OWNER RONNEL L. UNDERWOOD ET AL LEASE ACREAGE 266.83 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 6,173' TVD 22,701' MD
WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT KEVIN ELLIS
ADDRESS 1615 WYNKOOP ST. ADDRESS 535 WHITE OAKS BLVD
FORM WW-6 DENVER, CO 80202 BRIDGEPORT, WV 26330

8,284' TO BOTTOM HOLE

9,029'

LONGITUDE 81°02'30"

LONGITUDE 81°00'00"

PAD LAYOUT



LATITUDE 39°20'00"

8,680'

LATITUDE 39°22'30" 2,551' TO BOTTOM HOLE

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Corporation
Well No. Conklin #1H

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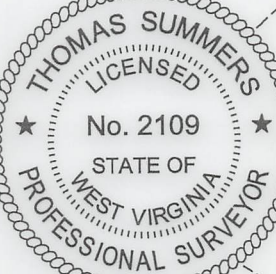
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NOTE:
NO WATER WELLS
LOCATED WITHIN 2000'
OF PROPOSED WELL

WELL NO. 1H



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.



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

LEGEND

- Surface Owner Boundary Lines +/-
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THOMAS SUMMERS P.S. 2109

DATE 12/12/24

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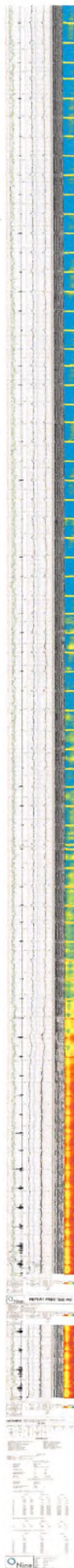
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PAD LAYOUT
N 89°06' E
GRID NORTH
CORNER WITH
MARKED WITH
HARDENED WEL
NOT TO
SCALE



04/04/2025



04/04/2025

Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	08/04/2024
Job End Date:	08/27/2024
State:	West Virginia
County:	Ritchie
API Number:	47-085-10510-00-00
Operator Name:	Antero Resources Corporation
Well Name and Number:	CONKLIN UNIT 1H
Latitude:	39.308622
Longitude:	-81.030505
Datum:	WGS84
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	6265
Total Base Water Volume (gal)*:	24740208.09
Total Base Non Water Volume:	0



Water Source	Percent
Produced Water	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
Excelerate LX-21	Halliburton	Friction Reducer					
FDP-S1460-22	Halliburton	Friction Reducer					
FDP-S1470-23	Halliburton	Friction Reducer					
FDP-S1485-23	Halliburton	Friction Reducer					
HAI-501	Halliburton	Acid Corrosion Inhibitor					
HYDROCHLORIC ACID, 22 BAUME	Halliburton	Solvent					
Legend LD-1330	MultiChem	Completion/Stimulation					
MC B-8123	MultiChem	Biocide					
OPTIFLO-II DELAYED RELEASE BREAKER	Halliburton	Breaker					
Produced Water (Density 8.8)	Operator	Base Fluid					
Sand-Common White-100 Mesh,	Halliburton	Proppant					

04/04/2025

SSA-2							
WG-36 GELLING AGENT	Halliburton	Gelling Agent					
Items above are Trade Names. Items below are the individual ingredients.							
			Water	7732-18-5	100.00000	86.74579	None
			Crystalline silica, quartz	14808-60-7	100.00000	13.06491	None
			Water	7732-18-5	100.00000	0.15494	None
			Hydrochloric acid	7647-01-0	30.00000	0.03743	None
			Complex amine compound	Proprietary	60.00000	0.01810	None
			Ethanaminium, N,N,N-trimethyl-2-(1-oxo-2-propen-1-yl)oxy-, chloride (1:1), polymer with 2-propenamide	69418-26-4	60.00000	0.01062	None
			Hydrotreated distillate	Proprietary	30.00000	0.00905	None
			Hydrotreated light petroleum distillates	64742-47-8	30.00000	0.00574	None
			Guar gum	9000-30-0	100.00000	0.00492	None
			Ammonium chloride	12125-02-9	5.00000	0.00239	None
			Glutaraldehyde	111-30-8	30.00000	0.00235	None
			Ethoxylated alcohol	Proprietary	5.00000	0.00158	None
			Fatty nitrogen derived amides	Proprietary	5.00000	0.00151	None
			Complex Alcohol	Proprietary	60.00000	0.00113	None
			Amides, tall-oil fatty, N,N-bis(hydroxyethyl)	68155-20-4	5.00000	0.00088	None
			Ethoxylated branched C13 alcohol	78330-21-9	5.00000	0.00088	None
			Polymer	Proprietary	60.00000	0.00086	None
			Complex Amine Compound	Proprietary	60.00000	0.00085	None
			Sorbitan, mono-9-octadecenoate, (Z)	1338-43-8	1.00000	0.00048	None
			Sorbitan monooleate polyoxyethylene derivative	9005-65-6	1.00000	0.00048	None
			Petroleum distillate	Proprietary	30.00000	0.00042	None
			Quaternary ammonium compounds, benzyl-C12-16-	68424-85-1	5.00000	0.00039	None

04/04/2025

			alkyldimethyl, chlorides				
			Methanol	67-56-1	100.00000	0.00023	None
			Ammonium persulfate	7727-54-0	100.00000	0.00009	None
			Bentonite	1302-78-9	5.00000	0.00009	None
			Alcohol ethoxylates	Proprietary	5.00000	0.00009	None
			Surfactant	Proprietary	5.00000	0.00009	None
			Quaternary ammonium compounds	Proprietary	5.00000	0.00009	None
			Citric acid	77-92-9	1.00000	0.00008	None
			Organic acid	Proprietary	5.00000	0.00007	None
			Fatty acid ester	Proprietary	5.00000	0.00007	None
			Mixture of dimer and trimer fatty acids of indefinite composition derived from tall oil	61790-12-3	30.00000	0.00007	None
			Modified thiourea polymer	Proprietary	30.00000	0.00007	None
			Oxylated phenolic resin	Proprietary	30.00000	0.00003	None
			Ethoxylated alcohols	Proprietary	5.00000	0.00003	None
			Alcohols, C12-14, ethoxylated	68439-50-9	1.00000	0.00001	None
			Fatty amine salt	Proprietary	1.00000	0.00001	None
			Ethoxylated alcohols #2	Proprietary	1.00000	0.00001	None
			Ethoxylated fatty acid	Proprietary	1.00000	0.00001	None
			Fatty acid ether	Proprietary	1.00000	0.00001	None
			Organic chloride compound	Proprietary	1.00000	0.00001	None
			Propargyl alcohol	107-19-7	5.00000	0.00001	None
			Hexadecene	629-73-2	5.00000	0.00001	None
			Diethylene triaminepentaacetic acid, pentasodiumsalt	140-01-2	0.10000	0.00000	None
			Isopropanol	67-63-0	0.10000	0.00000	None
			Ethylene oxide	75-21-8	0.10000	0.00000	None
			Sodium chloride	7647-14-5	0.10000	0.00000	None
			Acrylamide	79-06-1	0.10000	0.00000	None

04/04/2025

			Ethoxylated alcohols #3	Proprietary	0.10000	0.00000	None
			C.I. pigment Orange 5	3468-63-1	1.00000	0.00000	None
			Ethylene glycol	107-21-1	0.01000	0.00000	None
			Diethylene glycol	111-46-6	0.01000	0.00000	None
			1,4-Dioxane	123-91-1	0.01000	0.00000	None
			Potassium acetate	127-08-2	0.01000	0.00000	None
			Polyethylene glycol	25322-68-3	0.01000	0.00000	None
			Acetic acid	64-19-7	0.01000	0.00000	None
			Chloroacetic acid	79-11-8	0.01000	0.00000	None
			Dichloroacetic acid	79-43-6	0.01000	0.00000	None

* 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)

04/04/2025



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

January 15, 2025

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:

- Cokeley Unit 1H – Pinewood Pad
- Conklin Unit 1H – Pinewood Pad
- Hanely Unit 1H – Pinewood Pad
- McKinney Unit 1H – Pinewood 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 over a light blue horizontal line.

Stefan Gaspar
Permitting Agent
Antero Resources Corporation

Enclosures

RECEIVED
Office of Oil and Gas

JAN 16 2025

WV Department of
Environmental Protection

04/04/2025