

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

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WV Department of  
Environmental Protection

API 47 - 103 - 03678 County Wetzel District Green  
Quad Pine Grove 7.5' Pad Name Lincoln Field/Pool Name ----  
Farm name Antero Midstream, LLC Well Number Skewed Unit 2H  
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 522347.212m Easting 4374398.457m  
Landing Point of Curve Northing 523063.21m Easting 4373312.30m  
Bottom Hole Northing 524015.390m Easting 4370491.106m

Elevation (ft) 1260' 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 8/29/2024 Date drilling commenced 11/4/2024 Date drilling ceased 12/14/2025  
Date completion activities began 1/30/2025 Date completion activities ceased 3/6/2025  
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 387' Open mine(s) (Y/N) depths No  
Salt water depth(s) ft 2308' Void(s) encountered (Y/N) depths No  
Coal depth(s) ft 1003' Cavern(s) encountered (Y/N) depths No  
Is coal being mined in area (Y/N) No

APPROVED

Reviewed by:

SMW  
10-9-25  
03/13/2026

API 47-103 - 03678 Farm name Antero Midstream, LLC Well number Skewed Unit 2H

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"	492'	New	54.5#, J-55	N/A	Y
Coal							
Intermediate 1	12-3/8"	9-5/8"	3613'	New	34.89#, J-55	N/A	Y
Intermediate 2							
Intermediate 3							
Production	8-3/4" /8-1/2"	5-1/2"	21688'	New	23#, P-110	N/A	Y
Tubing		2-3/8"	7224'		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 <sup>3</sup> /sks)	Volume (ft <sup>3</sup> )	Cement Top (MD)	WOC (hrs)
Conductor	Class A	190 sx	15.6	1.18	224	0'	8 Hrs.
Surface	Class A	438 sx	15.6	1.19	521	0'	8 Hrs.
Coal							
Intermediate 1	Class C	1223 sx	15.6	1.18	1443	0'	8 Hrs.
Intermediate 2							
Intermediate 3							
Production	Class G	4400 sx (Tail)	13.5 (Spacer), 15.2(Tail)	1.26 (Tail)	5544	-500' into Intermediate Casing	8 Hrs.
Tubing							

Drillers TD (ft) 21,688' MD, 7,141' TVD (BHL), 7,142' TVD (Deepest Point Drilled) Loggers TD (ft) 21,659' MD  
 Deepest formation penetrated Marcellus Plug back to (ft) N/A  
 Plug back procedure N/A

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Kick off depth (ft) 6,318'

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

03/13/2025



API 47- 103 - 03678 Farm name Antero Midstream, LLC Well number Skewed Unit 2H

PRODUCING FORMATION(S)	DEPTHS		
	7,055' (TOP)	TVD	7,453' (TOP) MD
Marcellus			

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Please insert additional pages as applicable.

GAS TEST  Build up  Drawdown  Open Flow OIL TEST  Flow  Pump

SHUT-IN PRESSURE Surface \_\_\_\_\_ psi Bottom Hole --- \_\_\_\_\_ psi DURATION OF TEST --- \_\_\_\_\_ hrs

OPEN FLOW Gas Oil NGL Water GAS MEASURED BY  
16,557.25 mcfpd 270.54 bpd --- bpd 696.79 bpd  Estimated  Orifice  Pilot

LITHOLOGY/ FORMATION	TOP	BOTTOM	TOP	BOTTOM	DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H <sub>2</sub> 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 Slumberger  
 Address 3600 Briarpark Dr. City Houston State TX Zip 77042

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 *S Gaspar* Title Permitting Agent Date 8/13/2025

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

03/13/2026 *MS*

EXHIBIT 1

Stage No.	Perforation Date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formations
1	1/31/2025	21633	21618	36	Marcellus
2	1/31/2025	21579.80751	21415.8451	36	Marcellus
3	2/1/2025	21380.65258	21216.6901	36	Marcellus
4	2/1/2025	21181.49765	21017.5352	36	Marcellus
5	2/1/2025	20982.34272	20818.3803	36	Marcellus
6	2/2/2025	20783.18779	20619.2254	36	Marcellus
7	2/2/2025	20584.03286	20420.0704	36	Marcellus
8	2/2/2025	20384.87793	20220.9155	36	Marcellus
9	2/2/2025	20185.723	20021.7606	36	Marcellus
10	2/2/2025	19986.56808	19822.6056	36	Marcellus
11	2/2/2025	19787.41315	19623.4507	36	Marcellus
12	2/3/2025	19588.25822	19424.2958	36	Marcellus
13	2/3/2025	19389.10329	19225.1408	36	Marcellus
14	2/3/2025	19189.94836	19025.9859	36	Marcellus
15	2/3/2025	18990.79343	18826.831	36	Marcellus
16	2/3/2025	18791.6385	18627.6761	36	Marcellus
17	2/3/2025	18592.48357	18428.5211	36	Marcellus
18	2/4/2025	18393.32864	18229.3662	36	Marcellus
19	2/4/2025	18194.17371	18030.2113	36	Marcellus
20	2/4/2025	17995.01878	17831.0563	36	Marcellus
21	2/4/2025	17795.86385	17631.9014	36	Marcellus
22	2/4/2025	17596.70892	17432.7465	36	Marcellus
23	2/4/2025	17397.55399	17233.5915	36	Marcellus
24	2/5/2025	17198.39906	17034.4366	36	Marcellus
25	2/5/2025	16999.24413	16835.2817	36	Marcellus
26	2/5/2025	16800.0892	16636.1268	36	Marcellus
27	2/6/2025	16600.93427	16436.9718	36	Marcellus
28	2/6/2025	16401.77934	16237.8169	36	Marcellus
29	2/6/2025	16202.62441	16038.662	36	Marcellus
30	2/6/2025	16003.46948	15839.507	36	Marcellus
31	2/6/2025	15804.31455	15640.3521	36	Marcellus
32	2/6/2025	15605.15962	15441.1972	36	Marcellus
33	2/6/2025	15406.00469	15242.0423	36	Marcellus
34	2/6/2025	15206.84977	15042.8873	36	Marcellus
35	2/7/2025	15007.69484	14843.7324	36	Marcellus
36	2/7/2025	14808.53991	14644.5775	36	Marcellus
37	2/7/2025	14609.38498	14445.4225	36	Marcellus
38	2/7/2025	14410.23005	14246.2676	36	Marcellus
39	2/7/2025	14211.07512	14047.1127	36	Marcellus
40	2/7/2025	14011.92019	13847.9577	36	Marcellus
41	2/8/2025	13812.76526	13648.8028	36	Marcellus
42	2/8/2025	13613.61033	13449.6479	36	Marcellus
43	2/8/2025	13414.4554	13250.493	36	Marcellus
44	2/8/2025	13215.30047	13051.338	36	Marcellus
45	1/1/1900	13016.14554	12852.1831	36	Marcellus
46	2/8/2025	12816.99061	12653.0282	36	Marcellus
47	2/8/2025	12617.83568	12453.8732	36	Marcellus
48	2/9/2025	12418.68075	12254.7183	36	Marcellus
49	2/9/2025	12219.52582	12055.5634	36	Marcellus
50	2/9/2025	12020.37089	11856.4085	36	Marcellus
51	2/9/2025	11821.21596	11657.2535	36	Marcellus
52	2/9/2025	11622.06103	11458.0986	36	Marcellus
53	2/9/2025	11422.9061	11258.9437	36	Marcellus
54	2/9/2025	11223.75117	11059.7887	36	Marcellus
55	2/9/2025	11024.59624	10860.6338	36	Marcellus
56	2/9/2025	10825.44131	10661.4789	36	Marcellus
57	2/10/2025	10626.28638	10462.3239	36	Marcellus
58	2/10/2025	10427.13146	10263.169	36	Marcellus
59	2/10/2025	10227.97653	10064.0141	36	Marcellus
60	2/10/2025	10028.8216	9864.85915	36	Marcellus
61	2/10/2025	9829.666667	9665.70423	36	Marcellus
62	2/11/2025	9630.511737	9466.5493	36	Marcellus
63	2/11/2025	9431.356808	9267.39437	36	Marcellus
64	2/11/2025	9232.201878	9068.23944	36	Marcellus
65	2/11/2025	9033.046948	8869.08451	36	Marcellus
66	2/12/2025	8833.892019	8669.92958	36	Marcellus
67	2/12/2025	8634.737089	8470.77465	36	Marcellus
68	2/12/2025	8435.58216	8271.61972	36	Marcellus
69	2/12/2025	8236.42723	8072.46479	36	Marcellus
70	2/12/2025	8037.2723	7873.30986	36	Marcellus
71	2/12/2025	7838.117371	7674.15493	36	Marcellus
72	2/12/2025	7638.962441	7475	36	Marcellus

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API 47-103-03678 Farm Name Antero Midstream, LLC Well Number Skewed Unit 2H								
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	1/31/2025	62.8	9701	8856.88	3882	124300	4785.5952	N/A
2	1/31/2025	85.06187	10127.29	7054.56	4578	411860	7917.5952	N/A
3	2/1/2025	87.13725	10317.12	8184.57	4362	392560	7472.3571	N/A
4	2/1/2025	85.7233	9752.972	7541.47	4729	393000	8465.4286	N/A
5	2/1/2025	87.7247	10113.91	7881.64	4515	412540	7582.6667	N/A
6	2/2/2025	90.56987	10294.69	7126.47	4566	409740	7486.5238	N/A
7	2/2/2025	93.605	10211.73	7445.49	4499	398590	7431.9048	N/A
8	2/2/2025	95.13777	10410.7	7435	5063.572	407020	7498.381	N/A
9	2/2/2025	95.65276	10344.28	7495.75	4613	406700	7397	N/A
10	2/2/2025	91.74539	10076.22	7380.2	3999.403	411400	7593.0476	N/A
11	2/2/2025	95.77242	10286.4	6891.7	4985	393930	7115.2857	N/A
12	2/3/2025	92.56772	10237.19	6951.86	4781	396490	7383.3571	N/A
13	2/3/2025	92.52843	10079.28	7148	4691	401690	7398.7619	N/A
14	2/3/2025	95.295	10148.28	7073.26	4214.877	411260	7341.3095	N/A
15	2/3/2025	94.92111	10291.89	7528.68	4323	414640	6963.0476	N/A
16	2/3/2025	95.76416	10284.12	6930.67	4154	416340	7094.6429	N/A
17	2/3/2025	93.90099	10205.87	7068.09	4678	400330	7074.3571	N/A
18	2/4/2025	93.12761	10323.38	7098.39	4871	390130	6874.7619	N/A
19	2/4/2025	96.81328	10153.68	7072.43	5230.617	410140	7208.5476	N/A
20	2/4/2025	96.08066	9963.571	6786.47	4455.756	403010	6934.6429	N/A
21	2/4/2025	98.08458	10148.1	7106.42	4124.245	412640	7041.2381	N/A
22	2/4/2025	97.89094	10383.43	7303.42	4238.645	393930	6725.7381	N/A
23	2/4/2025	94.26266	9932.264	7228.33	4325	395810	6813.5952	N/A
24	2/5/2025	95.18163	9892.431	7280.55	4482	410620	7140.0952	N/A
25	2/5/2025	75.81	8778	7348.03	4297	330240	9543.0952	N/A
26	2/5/2025	96.59841	9951.374	6433.74	4874	404340	6958.619	N/A
27	2/6/2025	92.65688	9386.584	7040.82	4617	409640	6990.9048	N/A
28	2/6/2025	84.40174	8804.022	6827.43	4512	414820	8654	N/A
29	2/6/2025	96.62905	9635.117	6445.97	4552	412700	6855.2381	N/A
30	2/6/2025	96.87571	10075.15	7037.43	4181	408300	6897.3095	N/A
31	2/6/2025	96.86333	10052.03	6796.98	4369	414080	6848.9048	N/A
32	2/6/2025	97.82631	9912.771	6992.16	4293	416440	6995	N/A
33	2/6/2025	96.80267	9704.506	6720.11	4015	411880	6873.1667	N/A
34	2/6/2025	95.59522	9912.939	7646.49	4451	400440	6832.4286	N/A
35	2/7/2025	95.74062	9618.815	7932.29	4444	395240	6792.5476	N/A
36	2/7/2025	97.94973	9732.834	7686.4	4375	398010	6659.5	N/A
37	2/7/2025	96.85672	9527.606	6671.1	3870	401290	6659.9762	N/A
38	2/7/2025	96.72876	9211.452	6556.06	4345	413820	6852.9048	N/A
39	2/7/2025	96.33515	9664.341	6974.63	4711	396910	6796.7143	N/A
40	2/7/2025	96.16283	9420.134	6816.13	4451	391610	6682.2857	N/A
41	2/8/2025	93.08339	9248.759	7416.89	4788	392050	6659.7857	N/A
42	2/8/2025	95.81422	9186.783	6937.65	4611	394300	6710.4524	N/A
43	2/8/2025	98.12947	9587.656	7084.92	4457	412360	6853.5952	N/A
44	2/8/2025	98.07679	9196.457	7514.71	4484	413700	6959	N/A
45	1/1/1900	98.34287	8979.148	6241.73	4450	413620	6751	N/A
46	2/8/2025	98.52377	9299.013	6771.95	4134	398400	6690.6905	N/A
47	2/8/2025	97.3168	9737.673	6796.23	4511	394370	6546.1905	N/A
48	2/9/2025	85.23407	9195.462	6885.17	4871	399230	7320.119	N/A
49	2/9/2025	96.98434	9604.251	7198.24	4451	407700	6750.3095	N/A
50	2/9/2025	96	9052.722	7032.76	4343	418740	6809.5238	N/A
51	2/9/2025	97.13858	9354.819	6633.93	4552	412380	6890.619	N/A
52	2/9/2025	99.14686	9015.077	6634.32	4403	414460	6861.7381	N/A
53	2/9/2025	98.0919	9333.025	6618.59	4455	415080	6748.8095	N/A
54	2/9/2025	98.29548	8926.116	6873.52	4557	396050	6641.3333	N/A
55	2/9/2025	97.10926	8969.351	6995.41	4511	395380	6407.381	N/A
56	2/9/2025	96.9764	8717.841	6672.57	4621	412620	6529.5714	N/A
57	2/10/2025	83.22448	9045.432	7911.35	4468	412040	6818.619	N/A
58	2/10/2025	95.57389	8734.72	6850.73	4120	398790	6600.8571	N/A
59	2/10/2025	98.5742	8901.344	6801	5216.242	394750	6663.1667	N/A
60	2/10/2025	98.07571	8435.567	6225	5143.241	409660	7081.6905	N/A
61	2/10/2025	97.70879	8469.467	7187.1	4154	399990	6454.4048	N/A
62	2/11/2025	97.84482	8106.858	6351.38	4862.051	396950	6567.6905	N/A
63	2/11/2025	97.82911	8190.669	6746.71	4051.368	398960	9427.4762	N/A
64	2/11/2025	96.49731	8338.898	6952.45	4495.577	412420	6774.7857	N/A
65	2/11/2025	96.99107	8159.943	6593.72	4449.756	397040	6565.7381	N/A
66	2/12/2025	97.71934	7969.433	6735.7	4155.24	397880	6593.8333	N/A
67	2/12/2025	97.70282	7796.23	6661.07	3762.17	395030	6802.5714	N/A
68	2/12/2025	96.91642	7777.115	6669.37	3630.497	394770	6686.619	N/A
69	2/12/2025	98.46523	8215.566	7999.84	4940.319	416240	6856.0952	N/A
70	2/12/2025	96.69395	7717.63	7306.48	4024	395040	6701.881	N/A
71	2/12/2025	97.26229	7939.982	7871.69	4759.521	401150	6730.7619	N/A
72	2/12/2025	96.43488	7828.263	7388.84	3974	396540	6764.3571	N/A
	AVERAGE	94.5	9,390	7,088	4,460	28,746,120	504,853	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
Sandstone	474	624	474	624
Sandstone, scat MICA	624	774	624	774
Sandstone	774	1,224	774	1,224
Limestone, rr SS, tr coal	924	1,274	924	1,274
Sandstone, tr LS	1,224	1,274	1,224	1,274
Sandy Siltstone, tr LS	1,274	1,374	1,274	1,374
Silty Sandstone, tr Coal	1,374	1,474	1,374	1,474
Sandstone, rr SLTST	1,474	1,574	1,474	1,574
Silty Sandstone, occ Coal	1,574	1,674	1,574	1,674
Sandstone, com SLTST, tr mica	1,674	1,774	1,674	1,774
Sandstone, occ SLTST	1,774	1,924	1,774	1,924
Silty Sandstone	1,924	2,024	1,924	2,024
Silty Sandstone, tr Coal	2,024	2,074	2,024	2,074
Siltstone	2,074	2,124	2,074	2,124
Siltstone, tr LS	2,124	2,135	2,124	2,155
Big Lime	2,161	2,940	2,155	2,983
Fifty Foot Sandstone	2,940	3,028	2,957	3,074
Gordon	3,028	3,277	3,048	3,330
Fifth Sandstone	3,277	3,630	3,304	3,692
Bayard	3,630	4,078	3,666	4,156
Speechley	4,078	4,219	4,130	4,302
Balltown	4,219	4,709	4,276	4,809
Bradford	4,709	5,260	4,783	5,377
Benson	5,260	5,678	5,351	5,808
Alexander	5,678	6,845	5,782	7,037
Sycamore	6,687	6,819	6,853	7,011
Middlesex	6,819	6,922	7,011	7,164
Burkett	6,922	6,954	7,164	7,225
Tully	6,954	7,029	7,225	7,427
Marcellus	7,029	NA	7,427	NA

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WV Department of  
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03/13/2026 

**Antero Resources**  
**Well No. Skewed 2H**  
**As-Drilled**  
**Antero Resources Corporation**



Page  
 1 of 2

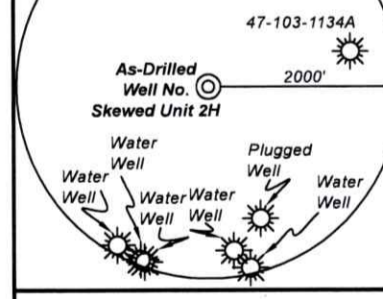
Top Hole Coordinates, As-drilled data, and information was provided by Antero Resources Corporation. Allegheny Surveys Inc. (ASI) is not certifying the data and information provided. ASI is not responsible for any errors or inaccuracies with the data and information that has been provided.

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.

Bradley D. Miller, P.S. 2167



Note: Five water wells were found within 2000' of proposed well. No occupied dwellings or buildings 2,500 square feet or larger used to house or shelter dairy cattle or poultry husbandry are located within 625' of the center of the well pad.



FILE NO: 130-34-G-18  
 DRAWING NO: Skewed 2H As-Drilled  
 SCALE: 1" = 2000'  
 MINIMUM DEGREE OF ACCURACY: Submeter  
 PROVEN SOURCE OF ELEVATION: WVDOT, Harrisville, WV

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	Bearing	Dist.
L1	N 18°38' E	961.8'
L2	N 36°02' W	1,325.9'
L3	S 81°51' W	1,119.5'
L4	S 89°08' E	2,649.6'

**STATE OF WEST VIRGINIA**  
 DEPARTMENT OF ENVIRONMENTAL PROTECTION  
**OIL AND GAS DIVISION**

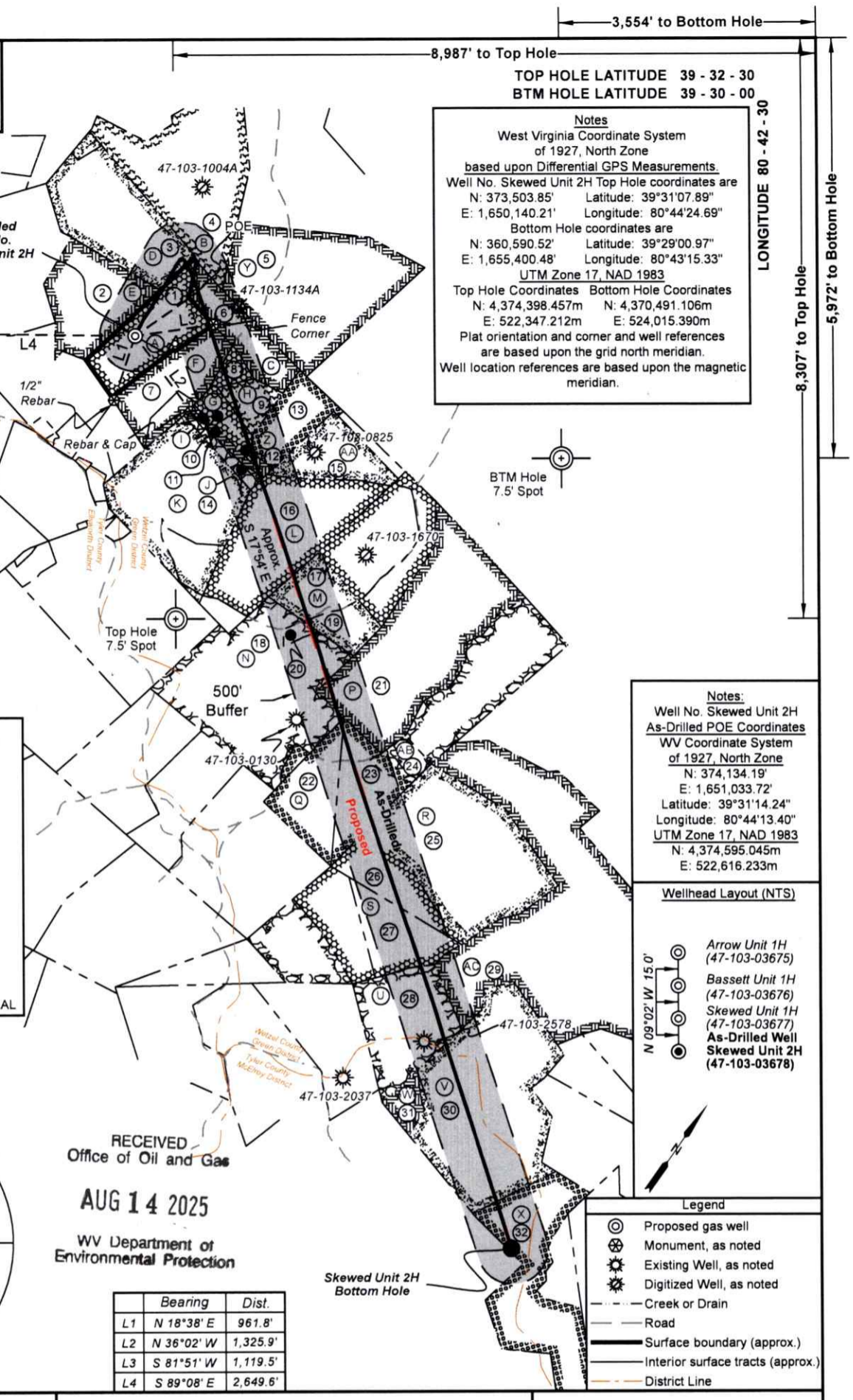
DATE: July 10 20 25  
 OPERATOR'S WELL NO. Skewed 2H  
 API WELL NO  
 47 - 103 - 03678  
 STATE COUNTY PERMIT

WELL TYPE:  OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  
 (IF GAS) PRODUCTION:  STORAGE  DEEP  SHALLOW

LOCATION: ELEVATION: As-Built Elev. 1,260' WATERSHED: Fishing Creek QUADRANGLE: Pine Grove  
 THL: Green COUNTY: Wayne  
 DISTRICT: BHL: McElroy ACREAGE: 33.25  
 SURFACE OWNER: Antero Midstream, LLC  
 ROYALTY OWNER: Melinda A. Debner LEASE NO: ACREAGE: 33.25

PROPOSED WORK:  DRILL  CONVERT  DRILL DEEPER  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  
 PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) As-Drilled 7,141' TVD  
 PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 21,688' MD

WELL OPERATOR: Antero Resources Corporation DESIGNATED AGENT: Conrad Baston  
 ADDRESS: 1615 Wynkoop Street ADDRESS: 535 White Oaks Blvd.  
 Denver, CO 80202 Bridgeport, WV 26330



TOP HOLE LATITUDE 39 - 32 - 30  
 BTM HOLE LATITUDE 39 - 30 - 00

**Notes**  
 West Virginia Coordinate System of 1927, North Zone  
 based upon Differential GPS Measurements  
 Well No. Skewed Unit 2H Top Hole coordinates are  
 N: 373,503.85' Latitude: 39°31'07.89"  
 E: 1,650,140.21' Longitude: 80°44'24.69"  
 Bottom Hole coordinates are  
 N: 360,590.52' Latitude: 39°29'00.97"  
 E: 1,655,400.48' Longitude: 80°43'15.33"  
 UTM Zone 17, NAD 1983  
 Top Hole Coordinates Bottom Hole Coordinates  
 N: 4,374,398.457m N: 4,370,491.106m  
 E: 522,347.212m E: 524,015.390m  
 Plat orientation and corner and well references are based upon the grid north meridian.  
 Well location references are based upon the magnetic meridian.

**Notes:**  
 Well No. Skewed Unit 2H  
 As-Drilled POE Coordinates  
 WV Coordinate System of 1927, North Zone  
 N: 374,134.19'  
 E: 1,651,033.72'  
 Latitude: 39°31'14.24"  
 Longitude: 80°44'13.40"  
 UTM Zone 17, NAD 1983  
 N: 4,374,595.045m  
 E: 522,616.233m

**Wellhead Layout (NTS)**

- Arrow Unit 1H (47-103-03675)
- Bassett Unit 1H (47-103-03676)
- Skewed Unit 1H (47-103-03677)
- As-Drilled Well Skewed Unit 2H (47-103-03678)

**Legend**

- Proposed gas well
- Monument, as noted
- Existing Well, as noted
- Digitized Well, as noted
- Creek or Drain
- Road
- Surface boundary (approx.)
- Interior surface tracts (approx.)
- District Line



Leases	
A	Melinda A. Debner
B	BRC Appalachian Minerals I, LLC
C	Sandra D. Derby
D	Deborah A. Beaver
E	J.L. Lancaster
F	Blackrock Enterprises, LLC
G	Sandra D. Derby
H	Sandra D. Derby
I	Sandra D. Derby
J	Clyde Bert Snider
K	Patricia Lou Scheper
L	Shiben Estates, Inc.
M	BRC Appalachian Minerals I, LLC
N	J.W. Haught & A.B. Haught
P	Christian Engle & Amy Engle
Q	Tribune Resources Minerals, LLC
R	BRC Appalachian Minerals I, LLC
S	Chesapeake Appalachia, LLC
U	Dominic J. Kowalski, et ux
V	Tribune Resources Minerals, LLC
W	Tribune Resources Minerals, LLC
X	Tribune Resources Minerals, LLC
Y	BRC Appalachian Minerals I, LLC
Z	Sandra D. Derby
AA	J.M. Mayfield, et al
AB	Christian Engle, et ux
AC	BRC Appalachian Minerals I, LLC

ID	TM-Par	Owner	Bk/Pg	Acres
1	20-23	Antero Midstream, LLC	465/156	33.30
2	19-49	Antero Midstream, LLC	465/156	32.30
3	19-48	Antero Midstream, LLC	465/156	51.00
4	20-16	Coastal Forest Resources Company	444/105	75.50
5	20-24	Michael L. & Teresa L. Bassett	493/424	89.00
6	20-30	Antero Midstream, LLC	472/1	21.50
7	20-29	Antero Midstream, LLC	465/153	20.90
8	20-40	Antero Midstream, LLC	472/1	3.50
9	20-41	Antero Midstream, LLC	472/1	7.96
10	20-39	Antero Midstream, LLC	472/1	3.50
11	22-4	Antero Midstream, LLC	472/1	4.50
12	20-43	Antero Midstream, LLC	472/1	3.50
13	20-42	Antero Midstream, LLC	472/1	21.80
14	22-41	Robert L. Jr. & Donna K. Jones	462/717	71.29
15	22-40	Robert L. Jr. & Donna K. Jones	436/692	16.00
16	22-5	Robert L. Jr. & Donna K. Jones	297/500	76.00
17	22-14.1	Tony Eugene Crabtree	365/337	41.80
18	22-18	Timothy L. & Vicki L. Glasscock	370/425	99.89
19	22-14	Matthew Dean Bassett	499/36	9.47
20	22-18.1	Aaron E. & Julie A. Hindman	419/505	2.11
21	22-19	Coastal Forest Resources Company	444/105	155.30
22	22-21	Thomas & Shawn Pratt	429/66	25.85
23	22-21.2	Thomas & Shawn Pratt	312/697	23.00
24	22-22.1	Thomas & Shawn Pratt	429/66	6.80
25	22-28	Coastal Forest Resources Company	444/105	77.10
26	22-27	Dominic Joseph & Delmer Michele Kowalski	353/533	20.30
27	22-33	Dominic Joseph & Delmer Michele Kowalski	353/533	20.30
28	25-1	Dominic Joseph & Delmer Michele Kowalski	353/533	60.00
29	22-34	Coastal Forest Resources Company	444/105	172.91
30	3-11	Dominic Joseph & Delmer Michele Kowalski	317/307	106.94
31	3-8	Gary Greynolds	343/109	6.31
32	3-12	Edward J. Jr., Edward W. & David Shulte	WB14/440	80.73

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Denver, CO 80202 Bridgeport, WV 26330

## Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	01/30/2025
Job End Date:	02/16/2025
State:	West Virginia
County:	Wetzel
API Number:	47-103-03678-00-00
Operator Name:	Antero Resources Corporation
Well Name and Number:	SKEWED UNIT 2H
Latitude:	39.518946
Longitude:	-80.740019
Datum:	WGS84
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	7142
Total Base Water Volume (gal)*:	22002718
Total Base Non Water Volume:	0



Water Source	Percent
Produced Water	100.00%

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### Hydraulic Fracturing Fluid Composition:

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments
Excelerate LX-21	Halliburton	Friction Reducer					
HAI-501	Halliburton	Acid Corrosion Inhibitor					
HYDROCHLORIC ACID, 28%	Halliburton	Solvent					
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, SSA-2	Halliburton	Proppant					
WG-36 GELLING AGENT	Halliburton	Gelling Agent					

Items above are Trade Names. Items below are the individual ingredients.

03/13/2026

			Water	7732-18-5	100.00000	86.87299	None
			Crystalline silica, quartz	14808-60-7	100.00000	12.89750	None
			Water	7732-18-5	100.00000	0.19987	None
			Hydrochloric acid	7647-01-0	30.00000	0.04856	None
			Complex amine compound	Proprietary	60.00000	0.03207	None
			Hydrotreated distillate	Proprietary	30.00000	0.01604	None
			Guar gum	9000-30-0	100.00000	0.00536	None
			Ammonium chloride	12125-02-9	5.00000	0.00267	None
			Ethoxylated alcohol	Proprietary	5.00000	0.00267	None
			Fatty nitrogen derived amides	Proprietary	5.00000	0.00267	None
			Glutaraldehyde	111-30-8	30.00000	0.00255	None
			Sorbitan, mono-9-octadecenoate, (Z)	1338-43-8	1.00000	0.00053	None
			Sorbitan monooleate polyoxyethylene derivative	9005-65-6	1.00000	0.00053	None
			Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	68424-85-1	5.00000	0.00042	None
			Methanol	67-56-1	100.00000	0.00024	None
			Ammonium persulfate	7727-54-0	100.00000	0.00013	None
			Citric acid	77-92-9	1.00000	0.00008	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	0.00004	None
			Propargyl alcohol	107-19-7	5.00000	0.00001	None
			Hexadecene	629-73-2	5.00000	0.00001	None
			Ethoxylated alcohols	Proprietary	5.00000	0.00001	None
			C.I. pigment Orange 5	3468-63-1	1.00000	0.00000	None

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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%

03/13/2026

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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