

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

AUG 14 2025

WV Department of
Environmental Protection

API 47-103-03677 County Wetzel District Green
Quad Pine Grove 7.5' Pad Name Lincoln Field/Pool Name ----
Farm name Antero Midstream, LLC Well Number Skewed 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 522346.411m Easting 4374403.020m
Landing Point of Curve Northing 522605.96m Easting 4374020.93m
Bottom Hole Northing 523406.969m Easting 4371670.268m

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 12/19/2024
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:

03/13/2026

[Handwritten signature]
12/17/25

API 47-103 - 03677 Farm name Antero Midstream, LLC Well number Skewed 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"	486'	New	54.5#, J-55	N/A	Y
Coal							
Intermediate 1	12-3/8"	9-5/8"	3572'	New	36#, J-55	N/A	Y
Intermediate 2							
Intermediate 3							
Production	8-3/4" /8-1/2"	5-1/2"	17423'	New	23#, P-110	N/A	Y
Tubing		2-3/8"	7123'		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	190 sx	15.6	1.18	224	0'	8 Hrs.
Surface	Class A	439 sx	15.6	1.19	522	0'	8 Hrs.
Coal							
Intermediate 1	Class C	1216 sx	15.6	1.18	1435	0'	8 Hrs.
Intermediate 2							
Intermediate 3							
Production	Class G	2801 sx (Tail)	13.5 (Spacer), 15.2(Tail)	1.26 (Tail)	3529	~500' into Intermediate Casing	8 Hrs.
Tubing							

Drillers TD (ft) 17,423' MD, 7,119' TVD (BHL), 7,119' TVD (Deepest Point Drilled) Loggers TD (ft) 17,393' MD
 Deepest formation penetrated Marcellus Plug back to (ft) N/A
 Plug back procedure N/A

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Kick off depth (ft) 6,326'

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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

03/13/2026 

API 47- 103 - 03677

Farm name Antero Midstream, LLC

Well number Skewed Unit 1H

PRODUCING FORMATION(S)

DEPTHS

Marcellus 7,054' (TOP) TVD 7,409' (TOP) MD

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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 15,250.07 mcfpd Oil 252.76 bpd NGL _____ bpd Water 654.60 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 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  Title Permitting Agent Date 8/13/2025

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

03/13/2026 

EXHIBIT 1

Stage No.	Perforation Date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formations
1	1/30/2025	17368	17352	36	Marcellus
2	1/31/2025	17313.94	17150.64	36	Marcellus
3	2/1/2025	17115.58	16952.28	36	Marcellus
4	2/2/2025	16917.22	16753.92	36	Marcellus
5	2/2/2025	16718.86	16555.56	36	Marcellus
6	2/3/2025	16520.5	16357.2	36	Marcellus
7	2/3/2025	16322.14	16158.84	36	Marcellus
8	2/4/2025	16123.78	15960.48	36	Marcellus
9	2/4/2025	15925.42	15762.12	36	Marcellus
10	2/4/2025	15727.06	15563.76	36	Marcellus
11	2/6/2025	15528.7	15365.4	36	Marcellus
12	2/6/2025	15330.34	15167.04	36	Marcellus
13	2/6/2025	15131.98	14968.68	36	Marcellus
14	2/7/2025	14933.62	14770.32	36	Marcellus
15	2/7/2025	14735.26	14571.96	36	Marcellus
16	2/8/2025	14536.9	14373.6	36	Marcellus
17	2/8/2025	14338.54	14175.24	36	Marcellus
18	2/8/2025	14140.18	13976.88	36	Marcellus
19	2/9/2025	13941.82	13778.52	36	Marcellus
20	2/9/2025	13743.46	13580.16	36	Marcellus
21	2/10/2025	13545.1	13381.8	36	Marcellus
22	2/10/2025	13346.74	13183.44	36	Marcellus
23	2/11/2025	13148.38	12985.08	36	Marcellus
24	2/12/2025	12950.02	12786.72	36	Marcellus
25	2/13/2025	12751.66	12588.36	36	Marcellus
26	2/13/2025	12553.3	12390	36	Marcellus
27	2/13/2025	12354.94	12191.64	36	Marcellus
28	2/13/2025	12156.58	11993.28	36	Marcellus
29	2/13/2025	11958.22	11794.92	36	Marcellus
30	2/13/2025	11759.86	11596.56	36	Marcellus
31	2/14/2025	11561.5	11398.2	36	Marcellus
32	2/14/2025	11363.14	11199.84	36	Marcellus
33	2/14/2025	11164.78	11001.48	36	Marcellus
34	2/14/2025	10966.42	10803.12	36	Marcellus
35	2/14/2025	10768.06	10604.76	36	Marcellus
36	2/14/2025	10569.7	10406.4	36	Marcellus
37	2/14/2025	10371.34	10208.04	36	Marcellus
38	2/15/2025	10172.98	10009.68	36	Marcellus
39	2/15/2025	9974.62	9811.32	36	Marcellus
40	2/15/2025	9776.26	9612.96	36	Marcellus
41	2/15/2025	9577.9	9414.6	36	Marcellus
42	2/15/2025	9379.54	9216.24	36	Marcellus
43	2/15/2025	9181.18	9017.88	36	Marcellus
44	2/15/2025	8982.82	8819.52	36	Marcellus
45	2/16/2025	8784.46	8621.16	36	Marcellus
46	2/16/2025	8586.1	8422.8	36	Marcellus
47	2/16/2025	8387.74	8224.44	36	Marcellus
48	2/16/2025	8189.38	8026.08	36	Marcellus
49	2/16/2025	7991.02	7827.72	36	Marcellus
50	2/16/2025	7792.66	7629.36	36	Marcellus
51	2/16/2025	7594.3	7431	36	Marcellus

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API 47-103-03677 Farm Name Antero Midstream, LLC Well Number Skewed 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	1/30/2025	86.87797	9589.049	7353.46	3457	125160	4230.0952	N/A
2	1/31/2025	93.02994	9937.615	7753.83	5056.436	396780	7443.0714	N/A
3	2/1/2025	94.54096	9745.538	7095.72	4431.273	409240	7528.9524	N/A
4	2/2/2025	91.93203	9205.35	6594.52	3885	411480	7300.619	N/A
5	2/2/2025	95.96601	10327.44	7613.74	4455	409340	7287.0476	N/A
6	2/3/2025	94.49164	9955.281	7468	4651	393570	7021.0476	N/A
7	2/3/2025	95.66101	9703.844	6434.92	4490	409380	6815.9048	N/A
8	2/4/2025	95.7417	10182.97	7714.22	3952	391690	6716.1905	N/A
9	2/4/2025	93.82895	9757.974	7494.99	4008.735	395850	6797.3333	N/A
10	2/4/2025	95.85472	9858.842	6616.69	4239	415580	6924.3571	N/A
11	2/6/2025	94.12557	9671.857	7291.3	4677	411760	6923.4048	N/A
12	2/6/2025	95.19443	9960.789	7009.99	4593	413720	6887.2619	N/A
13	2/6/2025	95.02179	10028.67	7493.72	4115	412180	6865.6667	N/A
14	2/7/2025	95.57053	9562.057	7169.65	4012	410000	7245.5	N/A
15	2/7/2025	98.01431	9643.554	7567.63	4444	417800	6887	N/A
16	2/8/2025	95.59337	9731.146	7438.6	4611	395460	6738.8095	N/A
17	2/8/2025	98.81405	9651.766	7226.41	4166	420320	6908	N/A
18	2/8/2025	97.90191	9391.083	6975.1	4411	396670	8627.4762	N/A
19	2/9/2025	97.94765	9786.906	7229.68	4462	407340	6810.5238	N/A
20	2/9/2025	98.84378	9221.711	6934.53	4395	416110	6893.8571	N/A
21	2/10/2025	96.61129	9468.346	7231.94	4511	411840	6851.9286	N/A
22	2/10/2025	98.8279	9481.458	7572.03	4538	418910	6952.7857	N/A
23	2/11/2025	97.69579	9260.99	6759.87	4833.475	411020	6857.0714	N/A
24	2/12/2025	96.82672	9501.916	7310.33	4228.152	411840	6728.1905	N/A
25	2/13/2025	96.02237	9522.642	7457.11	4522	391500	6779.1667	N/A
26	2/13/2025	98.23323	9722.54	6516.88	4266	411460	8804.0238	N/A
27	2/13/2025	99.08383	9320.724	6450.7	5172.556	409740	7111.5238	N/A
28	2/13/2025	98.82842	9484.293	7020.34	4665.398	413960	7197.2619	N/A
29	2/13/2025	98.33865	9047.884	6730.67	3935.027	396320	6803.119	N/A
30	2/13/2025	94.46364	8699.115	7201.33	4320.938	395330	8180.0238	N/A
31	2/14/2025	97.55453	8626.21	6725.68	4312.943	394910	6646.119	N/A
32	2/14/2025	95.89746	8871.788	7465.34	4393.48	390090	6484.619	N/A
33	2/14/2025	96.58871	8817.989	6562.37	4376	414580	7061.8333	N/A
34	2/14/2025	98.41815	8781.831	6687.06	4781.394	413940	6669.1667	N/A
35	2/14/2025	99.24011	8819.765	6317.07	4313	394880	6482.7857	N/A
36	2/14/2025	97.57345	8530.435	7129.86	4380	399780	6557.0714	N/A
37	2/14/2025	96.71694	8790.877	6806.16	4310	396080	6516.7381	N/A
38	2/15/2025	98.05902	8353.072	6679.65	4423.481	397370	6435.6905	N/A
39	2/15/2025	97.43324	8365.572	6505.25	4378	390730	6416.4762	N/A
40	2/15/2025	98.49818	8519.859	6590.02	4850.154	399860	6740.2381	N/A
41	2/15/2025	100.0706	8517.058	7037.94	4450	408220	6696.2619	N/A
42	2/15/2025	97.97192	8370.877	6469.53	5112.082	395830	6520.5952	N/A
43	2/15/2025	99.38383	8480.795	6511.51	4358	401820	6601.119	N/A
44	2/15/2025	87.06	8357	6525.15	4616	402050	8215.9048	N/A
45	2/16/2025	97.20722	8004.243	7099.56	4228	399990	6486.5714	N/A
46	2/16/2025	94.80409	8302.878	6669.87	4225	394630	8705.1667	N/A
47	2/16/2025	98.72968	7985.186	6507.12	3932.865	416440	7670.0952	N/A
48	2/16/2025	98.52981	7992.418	6453.05	4426	416600	6820.5	N/A
49	2/16/2025	98.64681	8008.531	6983.57	3599.639	416380	6746.7143	N/A
50	2/16/2025	98.73575	8061.091	7638.74	4339.04	390120	6557.619	N/A
51	2/16/2025	97.59953	7722.011	7180.1	4660.086	395490	6560.7857	N/A
AVERAGE		96.6	9,112	7,005	4,392	20,361,140	354,709	0

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EXHIBIT 3

LITHOLOGY/ FORMATION	TOP DEPTH (TVD) From Surface	BOTTOM DEPTH (TVD) From Surface	TOP DEPTH (MD) From Surface	BOTTOM DEPTH (MD) 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	2,132	2,124	2,150
Big Lime	2,158	2,937	2,150	2,972
Fifty Foot Sandstone	2,937	3,023	2,946	3,060
Gordon	3,023	3,275	3,034	3,315
Fifth Sandstone	3,275	3,618	3,289	3,663
Bayard	3,618	4,089	3,637	4,144
Speechley	4,089	4,238	4,118	4,296
Balltown	4,238	4,721	4,270	4,787
Bradford	4,721	5,254	4,761	5,328
Benson	5,254	5,660	5,302	5,742
Alexander	5,660	6,841	5,716	6,974
Sycamore	6,687	6,815	6,792	6,948
Middlesex	6,815	6,918	6,948	7,102
Burkett	6,918	6,950	7,102	7,161
Tully	6,950	7,028	7,161	7,383
Marcellus	7,028	NA	7,383	NA

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**Antero Resources
Well No. Skewed 1H
As-Drilled**
Antero Resources Corporation

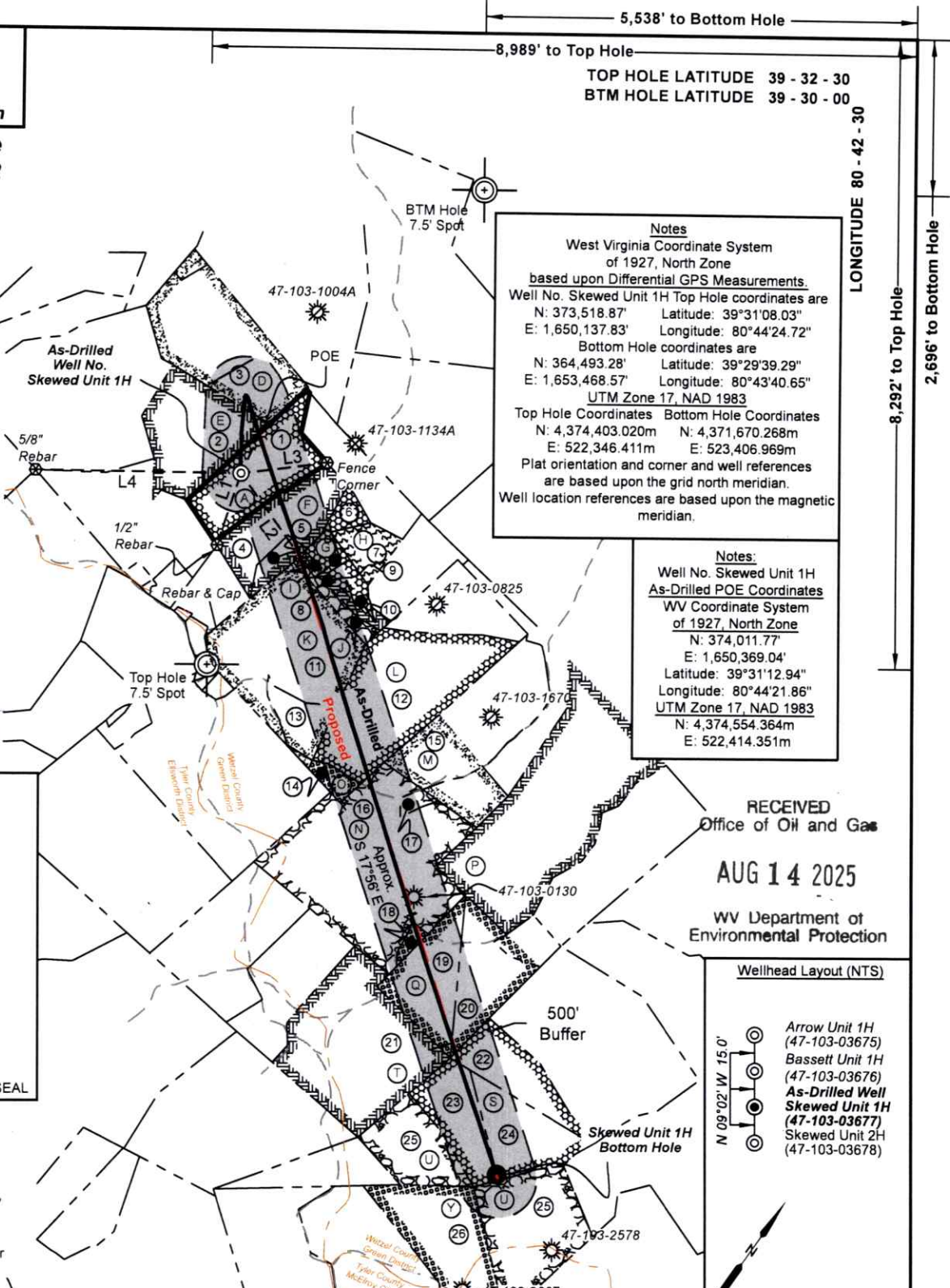


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1 of 2

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.

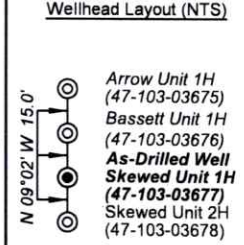
Bradley D. Miller
Bradley D. Miller, P.S. 2167



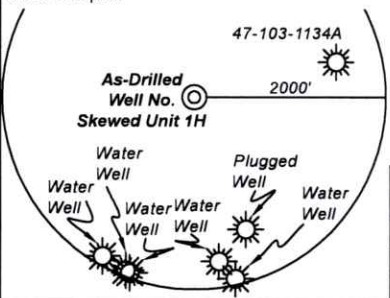
Notes
West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.
Well No. Skewed Unit 1H Top Hole coordinates are
N: 373,518.87' Latitude: 39°31'08.03"
E: 1,650,137.83' Longitude: 80°44'24.72"
Bottom Hole coordinates are
N: 364,493.28' Latitude: 39°29'39.29"
E: 1,653,468.57' Longitude: 80°43'40.65"
UTM Zone 17, NAD 1983
Top Hole Coordinates Bottom Hole Coordinates
N: 4,374,403.020m N: 4,371,670.268m
E: 522,346.411m E: 523,406.969m
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 1H As-Drilled POE Coordinates
WV Coordinate System of 1927, North Zone
N: 374,011.77'
E: 1,650,369.04'
Latitude: 39°31'12.94"
Longitude: 80°44'21.86"
UTM Zone 17, NAD 1983
N: 4,374,554.364m
E: 522,414.351m

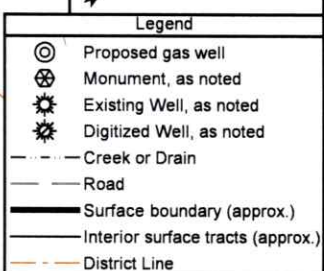
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Note: Five water wells were found within 2000' of proposed well. No occupied dwellings or buildings 2,500 square feet or larger used to house or shelter dairy cattle or poultry husbandry are located within 625' of the center of the well pad.



	Bearing	Dist.
L1	N 18°12' E	975.5'
L2	N 35°44' W	1,339.9'
L3	S 82°38' W	1,120.1'
L4	S 89°28' E	2,646.8'



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

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

DATE: July 10 2025
OPERATOR'S WELL NO. Skewed 1H
API WELL NO
47 - 103 - 03677
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
DISTRICT: Green COUNTY: Wetzel DATE: 03/13/2026
SURFACE OWNER: Antero Midstream, LLC ACREAGE: 33.25
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 7,119' TVD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 17,423' 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



Leases	
A	Melinda A. Debner
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
O	Chesapeake Appalachia, LLC
P	Christian Engle & Amy Engle
Q	Tribune Resources Minerals, LLC
S	Chesapeake Appalachia, LLC
T	AMP V, LP
U	Dominic J. Kowalski, et ux
Y	Dee & Marvin W. Johnson

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	20-29	Antero Midstream, LLC	465/153	20.90
5	22-38	Antero Midstream, LLC	465/153	6.50
6	20-40	Antero Midstream, LLC	472/1	3.50
7	20-41	Antero Midstream, LLC	472/1	7.96
8	20-39	Antero Midstream, LLC	472/1	3.50
9	22-4	Antero Midstream, LLC	472/1	4.50
10	20-43	Antero Midstream, LLC	472/1	3.50
11	22-41	Robert L. Jr. & Donna K. Jones	462/717	71.29
12	22-5	Robert L. Jr. & Donna K. Jones	297/500	76.00
13	22-12	Robert L. Jr. & Donna K. Jones	297/500	10.80
14	22-13	Timothy L. & Vicki L. Glasscock	370/425	4.10
15	22-14.1	Tony Eugene Crabtree	365/337	41.80
16	22-18	Timothy L. & Vicki L. Glasscock	370/425	99.89
17	22-18.1	Aaron E. & Julie A. Hindman	419/505	2.11
18	22-24	Thomas & Shawn Pratt	429/66	2.00
19	22-21	Thomas & Shawn Pratt	429/66	25.85
20	22-21.2	Thomas & Shawn Pratt	312/697	23.00
21	18-7	Thomas Straight, et al	270/558	68.00
22	22-27	Dominic Joseph & Delmer Michele Kowalski	353/533	20.30
23	22-32	Dominic Joseph & Delmer Michele Kowalski	353/533	20.30
24	22-33	Dominic Joseph & Delmer Michele Kowalski	353/533	20.30
25	25-1	Dominic Joseph & Delmer Michele Kowalski	353/533	60.00
26	3-10	Dominic Joseph & Delmer Michele Kowalski	301/437	43.00

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



DATE: July 10 2025
OPERATOR'S WELL NO. Skewed 1H
API WELL NO
47 - 103 - 03677
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
DISTRICT: Green COUNTY: Wetzel **03/13/2026**
SURFACE OWNER: Antero Midstream, LLC ACREAGE: 33.25
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 7,119' TVD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 17,423' 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

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:	47-103-03677-00-00
Operator Name:	Antero Resources Corporation
Well Name and Number:	SKEWED UNIT 1H
Latitude:	39.518987
Longitude:	-80.740028
Datum:	WGS84
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	7118
Total Base Water Volume (gal)*:	15315759
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	86.67677	None
			Crystalline silica, quartz	14808-60-7	100.00000	13.09435	None
			Water	7732-18-5	100.00000	0.20147	None
			Hydrochloric acid	7647-01-0	30.00000	0.05032	None
			Complex amine compound	Proprietary	60.00000	0.02781	None
			Hydrotreated distillate	Proprietary	30.00000	0.01391	None
			Guar gum	9000-30-0	100.00000	0.00595	None
			Glutaraldehyde	111-30-8	30.00000	0.00254	None
			Ammonium chloride	12125-02-9	5.00000	0.00232	None
			Fatty nitrogen derived amides	Proprietary	5.00000	0.00232	None
			Ethoxylated alcohol	Proprietary	5.00000	0.00232	None
			Sorbitan, mono-9-octadecenoate, (Z)	1338-43-8	1.00000	0.00046	None
			Sorbitan monooleate polyoxyethylene derivative	9005-65-6	1.00000	0.00046	None
			Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	68424-85-1	5.00000	0.00042	None
			Methanol	67-56-1	100.00000	0.00025	None
			Ammonium persulfate	7727-54-0	100.00000	0.00014	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%

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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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