

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

API 47-095-02899 County Tyler District Lincoln
Quad Paden City Pad Name Shinn Pad Field/Pool Name -----
Farm name Antero Resources Corporation Well Number Jessica 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 4378315.418m Easting 504509.708m
Landing Point of Curve Northing 4377753.08m Easting 503872.46m
Bottom Hole Northing 4375365.022m Easting 504705.111m

Elevation (ft) 1036' 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 ☐ Gas ☐ Brine

Production hole ☐ Air ☒ Mud ☐ Fresh Water ☐ Brine

Mud Type(s) and Additive(s)

Air - Foam & 4% KCL

Mud - Polymer

Date permit issued 10/28/2024 Date drilling commenced 11/15/2024 Date drilling ceased 2/6/2025
Date completion activities began 2/20/2025 Date completion activities ceased 4/15/2025
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 328' Open mine(s) (Y/N) depths No
Salt water depth(s) ft 1440' 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

APPROVED

Reviewed by:

09/26/2025

WR-35
Rev. 8/23/13

Page 2 of 4

API 47-095 - 02899 Farm name Antero Resources Corporation Well number Jessica 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"	461'	New	54.5#, J-55	N/A	Y
Coal							
Intermediate 1	12-1/4"	9-5/8"	3310'	New	36#, J-55	N/A	Y
Intermediate 2							
Intermediate 3							
Production	8-3/4"/8-1/2"	5-1/2"	16077'	New	23#, P-110ICY	N/A	Y
Tubing		2-3/8"	6766'		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 C	395 sx	15.8	1.17	462	0'	8 Hrs.
Coal							
Intermediate 1	Class C	1160 sx	15.8	1.15	1334	0'	8 Hrs.
Intermediate 2							
Intermediate 3							
Production	Class H	2290 sx (Tail)	13.5 (Lead), 15.2(Tail)	1.77 (Lead), 1.32 (Tail)	3023	~500' into Intermediate Casing	8 Hrs.
Tubing							

Drillers TD (ft) 16077' MD, 6247' TVD (BHL), 6251' (Deepest Point Drilled) Loggers TD (ft) ' MD
Deepest formation penetrated Marcellus Plug back to (ft) N/A
Plug back procedure N/A

Kick off depth (ft) 5997'

Check all wireline logs run ☐ caliper ☐ density ☐ deviated/directional ☐ induction
☐ neutron ☐ resistivity ☐ gamma ray ☐ temperature ☐ sonic

Well cored ☐ Yes ☒ No Conventional ☐ Sidewall Were cuttings collected ☐ Yes ☒ No

DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING
Conductor - 0
Surface - 1 above guide shoe, 1 above insert float, 1 every 4th joint to surface
Intermediate - 1 above float joint, 1 above float collar, 1 every 4th joint to surface
Production - 1 above float joint, 1 below float collar, 1 every 3rd joint to top of cement

WAS WELL COMPLETED AS SHOT HOLE ☐ Yes ☒ No DETAILS

WAS WELL COMPLETED OPEN HOLE? ☐ Yes ☒ No DETAILS

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

09/26/2025

Farm name Antero Resources Corporation Well number Jessica Unit 1H

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)

***PLEASE SEE ATTACHED EXHIBIT 1**

[illegible]

STIMULATION INFORMATION PER STAGE

[illegible]

***PLEASE SEE ATTACHED EXHIBIT 2**

[illegible]

09/26/2025

5

API 47- 095 - 02899 Farm name Antero Resources Corporation Well number Jessica Unit 1H

PRODUCING FORMATION(S)	DEPTHS		
Marcellus	6119' (TOP)	TVD	6908' (TOP) MD

Please insert additional pages as applicable.

GAS TEST ☐ Build up ☐ Drawdown ☒ Open Flow OIL TEST ☒ Flow ☐ Pump

SHUT-IN PRESSURE Surface 1046 psi Bottom Hole --- psi DURATION OF TEST --- hrs

OPEN FLOW Gas 10004 mcfpd Oil 273 bpd NGL --- bpd Water 1015 bpd GAS MEASURED BY ☐ Estimated ☒ Orifice ☐ Pilot

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

Cementing Company Halliburton Energy Services
Address 3000 W. Sam Houston Pkwy City Houston State TX Zip 76141
30 2025

Stimulating Company NexTier
Address 1650 Hackers Creek Rd City Jane Lew State WV Zip 26378
WV Department of
Environmental Protection

Please insert additional pages as applicable.

Completed by Carly Wren Telephone 303-357-7373
Signature Title Permitting Agent Date 7/24/2025

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

09/26/2025

API 47-095-02899 Farm Name Antero Resources Corporation Well Number Jessica Unit 1H

Exhibit 1

Stage No.	Perforation Date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formations
1	2/20/2025	16017.4	16002.6	60	Marcellus
2	2/21/2025	15963.92074	15798.5244	60	Marcellus
3	2/21/2025	15763.04519	15597.6489	60	Marcellus
4	2/21/2025	15562.16963	15396.7733	60	Marcellus
5	2/21/2025	15361.29407	15195.8978	60	Marcellus
6	2/21/2025	15160.41852	14995.0222	60	Marcellus
7	2/22/2025	14959.54296	14794.1467	60	Marcellus
8	2/22/2025	14758.66741	14593.2711	60	Marcellus
9	2/22/2025	14557.79185	14392.3956	60	Marcellus
10	2/22/2025	14356.9163	14191.52	60	Marcellus
11	2/22/2025	14156.04074	13990.6444	60	Marcellus
12	2/22/2025	13955.16519	13789.7689	60	Marcellus
13	2/22/2025	13754.28963	13588.8933	60	Marcellus
14	2/23/2025	13553.41407	13388.0178	60	Marcellus
15	2/23/2025	13352.53852	13187.1422	60	Marcellus
16	2/23/2025	13151.66296	12986.2667	60	Marcellus
17	2/23/2025	12950.78741	12785.3911	60	Marcellus
18	2/23/2025	12749.91185	12584.5156	60	Marcellus
19	2/23/2025	12549.0363	12383.64	60	Marcellus
20	2/23/2025	12348.16074	12182.7644	60	Marcellus
21	2/24/2025	12147.28519	11981.8889	60	Marcellus
22	2/24/2025	11946.40963	11781.0133	60	Marcellus
23	2/24/2025	11745.53407	11580.1378	60	Marcellus
24	2/24/2025	11544.65852	11379.2622	60	Marcellus
25	2/24/2025	11343.78296	11178.3867	60	Marcellus
26	2/24/2025	11142.90741	10977.5111	60	Marcellus
27	2/24/2025	10942.03185	10776.6356	60	Marcellus
28	2/25/2025	10741.1563	10575.76	60	Marcellus
29	2/25/2025	10540.28074	10374.8844	60	Marcellus
30	2/25/2025	10339.40519	10174.0089	60	Marcellus
31	2/25/2025	10138.52963	9973.13333	60	Marcellus
32	2/25/2025	9937.654074	9772.25778	60	Marcellus
33	2/25/2025	9736.778519	9571.38222	60	Marcellus
34	2/25/2025	9535.902963	9370.50667	60	Marcellus
35	3/18/2025	9335.027407	9169.63111	60	Marcellus
36	3/19/2025	9134.151852	8968.75556	60	Marcellus
37	3/20/2025	8933.276296	8767.88	60	Marcellus
38	3/21/2025	8732.400741	8567.00444	60	Marcellus
39	3/22/2025	8531.525185	8366.12889	60	Marcellus
40	3/22/2025	8330.64963	8165.25333	60	Marcellus
41	3/23/2025	8129.774074	7964.37778	60	Marcellus
42	3/24/2025	7928.898519	7763.50222	60	Marcellus
43	3/25/2025	7728.022963	7562.62667	60	Marcellus
44	3/25/2025	7527.147407	7361.75111	60	Marcellus
45	3/26/2025	7326.271852	7160.87556	60	Marcellus
46	3/26/2025	7125.396296	6960	60	Marcellus

RECEIVED
Office of Oil and Gas

JUL 30 2025

WV Department of
Environmental Protection

09/26/2025



API 47-095-02899 Farm Name Antero Resources Corporation Well Number Jessica 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	2/20/2025	94.1	10066	7288	4963	113360	3664	N/A
2	2/21/2025	97.7	9721	6091	4324	405520	9604	N/A
3	2/21/2025	93.3	9526	5924	4276	405830	7143	N/A
4	2/21/2025	97.3	9591	5820	4810	408620	7749	N/A
5	2/21/2025	97.5	9726	5795	4235	402620	7051	N/A
6	2/21/2025	97.2	9331	5728	4218	414140	7364	N/A
7	2/22/2025	98.8	9487	7636	4545	409360	7217	N/A
8	2/22/2025	98.7	9529	7611	4376	405740	6975	N/A
9	2/22/2025	97.9	9396	6480	4035	397100	7374	N/A
10	2/22/2025	96.7	9398	5818	4064	403860	6979	N/A
11	2/22/2025	97.6	9319	6091	4716	404580	6995	N/A
12	2/22/2025	97.6	9455	8228	4123	398980	6882	N/A
13	2/22/2025	98.5	9398	5532	3948	404120	7010	N/A
14	2/23/2025	98.0	9537	6132	4281	401040	6870	N/A
15	2/23/2025	98.9	9555	6189	3799	402340	7043	N/A
16	2/23/2025	97.5	9076	5512	3935	409800	6974	N/A
17	2/23/2025	97.0	9217	4234	3549	404500	6966	N/A
18	2/23/2025	97.3	9288	4520	3398	398680	6946	N/A
19	2/23/2025	98.6	8777	8029	4042	404960	6782	N/A
20	2/23/2025	94.7	8424	7857	4195	405480	8506	N/A
21	2/24/2025	98.8	8668	7205	4591	403540	6890	N/A
22	2/24/2025	93.4	8578	6230	4819	411960	7037	N/A
23	2/24/2025	97.0	8688	5881	3997	403360	6932	N/A
24	2/24/2025	97.2	8870	5780	4246	404080	6929	N/A
25	2/24/2025	97.5	8539	7065	4051	407860	6947	N/A
26	2/24/2025	97.7	8562	6788	3895	401940	6850	N/A
27	2/24/2025	98.4	8517	7688	3626	409480	7012	N/A
28	2/25/2025	97.3	8318	6745	4330	403520	6939	N/A
29	2/25/2025	97.4	8268	5614	4033	405040	6900	N/A
30	2/25/2025	97.5	8423	5588	4272	398400	6744	N/A
31	2/25/2025	97.2	7919	5560	4357	397480	6745	N/A
32	2/25/2025	96.9	8121	7379	4133	406720	6793	N/A
33	2/25/2025	97.7	7941	5759	3703	398440	6709	N/A
34	2/25/2025	98.2	7831	6453	3301	402020	6937	N/A
35	3/18/2025	97.4	8257	5257	3690	407680	6951	N/A
36	3/19/2025	96.9	7966	4661	3609	407400	6826	N/A
37	3/20/2025	98.0	7991	5521	4436	413900	7002	N/A
38	3/21/2025	97.8	7989	4975	3712	404400	6779	N/A
39	3/22/2025	95.5	7494	4396	3999	408600	6820	N/A
40	3/22/2025	98.5	7195	5430	3295	402120	6794	N/A
41	3/23/2025	97.8	7132	4810	3822	403480	6879	N/A
42	3/24/2025	98.7	7229	6421	3944	403260	6755	N/A
43	3/25/2025	96.9	7064	5771	3820	401280	6646	N/A
44	3/25/2025	98.0	7196	6964	3669	411280	6859	N/A
45	3/26/2025	97.5	7129	6401	3820	410000	6811	N/A
46	3/26/2025	98.0	6936	6702	3516	410500	6880	N/A
	AVERAGE	97	8,579	6,164	4,055	18,338,370	320,460	TOTAL

RECEIVED
Office of Oil and Gas
JUL 30 2025
WV Department of Environmental Protection

09/26/2025

EXHIBIT 3

LITHOLOGY/ FORMATION	TOP DEPTH (TVD)	BOTTOM DEPTH (TVD)	TOP DEPTH (MD)	BOTTOM DEPTH (MD)
	From Surface	From Surface	From Surface	From Surface
CMT, occ siltstone	434	470	434	470
Shaly Siltstone, occ cmt	470	520	470	520
Shaly Siltstone	520	770	520	770
Sandstone, Siltstone, rr Shale	720	920	720	920
Sandstone, Siltstone	770	920	770	920
Siltstone, Sandstone	920	970	920	970
Sandy Siltstone	970	1,320	970	1,320
Siltstone, Sandstone	1,320	1,570	1,320	1,570
Silty Sandstone	1,570	1,620	1,570	1,620
Sandstone	1,620	1,670	1,620	1,670
Silty Sandstone	1,670	1,770	1,670	1,770
Sandstone	1,770	1,820	1,770	1,820
Limestone, tr SS, tr SLTST	1,820	1,807	1,820	1,901
Big Lime	1,837	2,278	1,901	2,424
Fifty Foot Sandstone	2,278	2,694	2,394	2,891
Gordon	2,694	2,866	2,861	3,084
Fifth Sandstone	2,866	3,146	3,054	3,396
Bayard	3,146	3,827	3,366	4,172
Speechley	3,827	4,130	4,142	4,509
Balltown	4,130	4,552	4,479	4,975
Bradford	4,552	4,859	4,945	5,320
Benson	4,859	5,080	5,290	5,575
Alexander	5,080	6,042	5,545	6,709
Sycamore	5,915	6,012	6,537	6,679
Middlesex	6,012	6,091	6,679	6,836
Burkett	6,091	6,119	6,836	6,908
Marcellus	6,119	NA	6,908	NA

*Please note Antero determines formation tops based on mud logs that are only run on one well on a multi-well pad. The measured depth (MD) data on subsequent wells may be slightly different due to the well's unique departure.

RECEIVED
Office of Oil and Gas
JUL 30 2025
WV Department of
Environmental Protection

09/26/2025

Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	02/20/2025
Job End Date:	03/26/2025
State:	West Virginia
County:	Tyler
API Number:	47-095-02899-00-00
Operator Name:	Antero Resources Corporation
Well Name and Number:	Jessica UNIT 1H
Latitude:	39.554517
Longitude:	-80.947513
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	6232
Total Base Water Volume (gal)*:	14101752
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					
Fincide GQ 12A	NexTier Completions Solutions	Biocide					
NBR-1	NexTier Completions Solutions	Gel Breaker					
NGA-14	NexTier Completions Solutions	Gelling Agent					
Other Chemical(s)	Listed Above	See Trade Name(s)					
StimBreak Encap APB	NexTier Completions	Breaker					

RECEIVED
Office of Oil and Gas
JUL 30 2025
WV Department of Environmental Protection

09/26/2025

LT	Solutions						
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	86.14054	
			Crystalline Silica	14808-60-7	99.90000	13.45529	
			Water	7732-18-5	85.00000	0.26605	
			Hydrochloric Acid	7647-01-0	15.00000	0.04695	
			Chemplex-Polymer-00019	Proprietary	40.00000	0.02014	
			Isoalkanes	6742-47-8	30.00000	0.01511	
			Aluminum Oxide	1344-28-1	0.10000	0.01347	
			Distillates (Petroleum), Hydrotreated Light	64742-47-8	50.00000	0.00924	
			Chemplex-surfactant-00015	Proprietary	5.00000	0.00252	
			Glutaraldehyde	111-30-8	30.00000	0.00249	
			Chemplex-surfactant-00021	Proprietary	3.00000	0.00151	
			Bentonite	1302-78-9	5.00000	0.00092	
			Alkoxylated Isodecyl Alcohol	154518-36-2	5.00000	0.00092	
			Alkyl (C12-16) dimethylbenzylammonium chloride	68424-85-1	5.00000	0.00041	
			1-Decanaminium, N-decyl- N,N-dimethyl-,chloride	7173-51-5	5.00000	0.00041	
			Ammonium Persulfate	7727-54-0	90.00000	0.00022	
			Ethylene glycol	107-21-1	45.00000	0.00013	
			Glycol Ether EB	111-76-2	45.00000	0.00013	
			N,N-Dimethylformamide	68-12-2	20.00000	0.00006	
			Tar bases,quinoline derivs.,benzyl chloride- quaternized	72480-70-7	20.00000	0.00008	
			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 Persulfate	7727-54-0	95.00000	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.

09/26/2025

Ingredient information for chemicals subject to 29 CFR 1910.1200(i) and Appendix D are obtained from suppliers Material Safety Data Sheets (MSDS)

RECEIVED
Office of Oil and Gas
JUL 30 2025
WV Department of
Environmental Protection

09/26/2025

Antero Resources
Well No. Jessica 1H
As-Drilled
Antero Resources Corporation

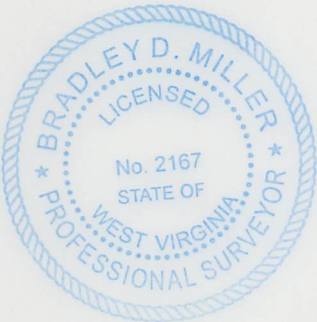


Page
1 of 2

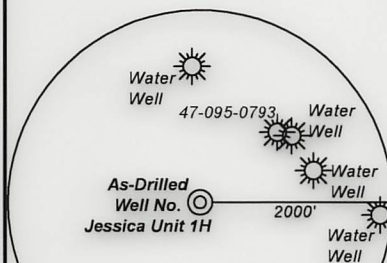
Top Hole Coordinates,
As-drilled data, and
information was provided by
Antero Resources
Corporation. Allegheny
Surveys Inc. (ASI) is not
certifying the data and
information provided. ASI is
not responsible for any
errors or inaccuracies with
the data and information
that has been provided.

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
Bradley D. Miller, P.S. 2167



SEAL



Note: Four 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 05°52' E	806.0'
L2	N 26°35' W	3,314.9'
L3	S 45°04' E	1,458.4'
L4	N 69°14' E	3,422.4'

FILE NO: 32-54-L-17

DRAWING NO: Jessica Unit 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 28 20 25

OPERATOR'S WELL NO. Jessica Unit 1H

API WELL NO

47 - 095 - 02899
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: As-Built 1,036' WATERSHED: Outlet Middle Island Creek QUADRANGLE: Paden City

DISTRICT: Lincoln COUNTY: Tyler 09/26/2025

SURFACE OWNER: Antero Resources Corporation ACREAGE: 52.51

ROYALTY OWNER: Raymond B. Heintzman, et ux LEASE NO: ACREAGE: 100

PROPOSED WORK: ☐ DRILL ☐ CONVERT ☐ DRILL DEEPER ☐ FRACTURE OR STIMULATE ☐ PLUG OFF OLD FORMATION
☐ PERFORATE NEW FORMATION ☒ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) As-Drilled 6,247' TVD

☐ PLUG AND ABANDON ☐ CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 16,077' MD

WELL OPERATOR: Antero Resources Corporation

ADDRESS: 1615 Wynkoop Street
Denver, CO 80202

DESIGNATED AGENT: Conrad Baston

ADDRESS: 535 White Oaks Blvd.
Bridgeport, WV 26330

Notes
West Virginia Coordinate System
of 1927, North Zone
based upon Differential GPS Measurements.
Well No. Jessica Unit 1H Top Hole coordinates are
N: 387,335.94' Latitude: 39°33'15.96"
E: 1,591,820.87' Longitude: 80°56'51.65"
Bottom Hole coordinates are
N: 377,643.59' Latitude: 39°31'40.25"
E: 1,592,300.69' Longitude: 80°56'43.53"
UTM Zone 17, NAD 1983
Top Hole Coordinates Bottom Hole Coordinates
N: 4,378,315.418m N: 4,375,365.022m
E: 504,509.708m E: 504,705.111m
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. Jessica Unit 1H
As-Drilled POE Coordinates
WV Coordinate System
of 1927, North Zone
N: 386,329.12'
E: 1,589,479.19'
Latitude: 39°33'05.64"
Longitude: 80°57'21.33"
UTM Zone 17, NAD 1983
N: 4,377,996.753m
E: 503,801.417m

Wellhead Layout (NTS)

- Tennessee Unit 2H
(API# 47-095-02903)
- Tennessee Unit 1H
(API# 47-095-02902)
- Acadia Unit 2H
(API# 47-095-02898)
- Acadia Unit 1H
(API# 47-095-02897)
- Jessica Unit 3H
(API# 47-095-02901)
- Jessica Unit 2H
(API# 47-095-02900)
- As-Drilled
Jessica Unit 1H
(API# 47-095-02899)

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.)

Antero Resources
Well No. Jessica 1H
As-Drilled
Antero Resources Corporation



Detail A
(n.t.s.)



ID	TM-Par	Owner	Bk/Pg	Acres
1	8-21.2	Antero Resources Corporation	296/494	35.52
2	8-21	Antero Resources Corporation	296/490	52.51
3	8-19	Olive Branch Animal Rescue	333/804	173.48
4	8-19.1	Hope Gas, Inc.	337/454	0.52
5	8-39	Virginia A. Nalley	190/482	70.65
6	8-38.4	Carl W. Woolwine	636/677	21.32
7	8-54	Virginia A. Nalley	190/482	63.01
8	8-55	Douglas Ray Carson, Jr.	595/111	25.62
9	8-56	Douglas Ray Carson, Jr.	595/111	14.96
10	12-16	Harry H. II & Rebecca A. Huff	230/546	45.11
11	12-17	Lylde S. & Melodee A. Matheny	504/633	36.00
12	12A-8	James O. & Nancy J. McMullen	341/483	0.79
13	12-40.7	Lylde S. & Melodee A. Matheny	535/275	0.08
14	12-18	David E. & Shelley R. Maxwell	307/676	29.04
15	12-40.6	Richard D. & Rachel D. Lewis	535/275	2.39
16	12-40.3	Amelia D. Hubbard	WB29/784	1.25
17	12A-15	Shirley G. Wilson	166/81	1.50
18	12A-14	Andrew M. Weekley	427/536	0.29
19	12-40.4	Andrew M. Weekley	427/536	0.16
20	12A-13	Amerlia D. Hubbard	WB75/343	0.29
21	12-40.1	Amelia D. Hubbard	WB75/343	1.61
22	12-40.5	Amelia D. Hubbard	WB75/343	0.96
23	12-40.2	Andrew M. Weekley	427/536	0.49
24	12-40	David E. Wells	335/133	34.38
25	12-41	Shaun M. & Carrie A. Meckley	633/569	43.28
26	12-53.5	Walter J. West	359/817	29.04
27	12-71.1	James Perry & Melissa Flesher	316/137	63.45
28	12-53.4	Walter J. West	359/817	52.95
29	12-53.8	Daniel J. & Donald E. Regan	372/164	7.80
30	12-53	Walter J. West	359/817	18.33
31	12-53.3	Walter J. West	359/817	9.04
32	12-53.7	John Backel & Mary Beth Tomaselli	321/138	10.01
33	12-53.6	Roller Coaster Resources LLC	259/698	27.26
34	12-52.1	Roller Coaster Resources LLC	259/698	3.45

Leases	
A	Raymond B. Heintzman, et ux
B	Nevin Porter, et al
C	Virginia A. Nalley
D	Victoria Keller, et al
G	The Norma T. Long Trust
H	The Norma T. Long Trust
J	Helen Heintzman, et vir
M	David E. Maxwell, et ux
N	Lydle S. & Melodee A. Matheny
O	Harry H. Huff, II, et ux
P	Richard D. Lewis, et ux
Q	James O. McMullen, et ux
X	Amelia D. Hubbard
Y	Andrew Weekley
Z	Andrew Weekley
AA	Shirley G. Wilson
AJ	David E. Wells, et ux
AM	Roy L. Craig
AN	James Perry & Melissa B. Flesher
AO	Walter J. West
AP	Donald E. Regan
AS	Amelia D. Hubbard

FILE NO: 32-54-L-17
DRAWING NO: Jessica Unit 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 28 20 25
OPERATOR'S WELL NO. Jessica Unit 1H
API WELL NO
47 - 095 - 02899
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: As-Built 1,036' WATERSHED: Outlet Middle Island Creek QUADRANGLE: Paden City
DISTRICT: Lincoln COUNTY: Tyler 09/26/2025
SURFACE OWNER: Antero Resources Corporation ACREAGE: 52.51
ROYALTY OWNER: Raymond B. Heintzman, et ux LEASE NO: ACREAGE: 100

PROPOSED WORK: ☐ DRILL ☐ CONVERT ☐ DRILL DEEPER ☐ FRACTURE OR STIMULATE ☐ PLUG OFF OLD FORMATION
☐ PERFORATE NEW FORMATION ☒ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) As-Drilled 6,247' TVD
☐ PLUG AND ABANDON ☐ CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 16,077' 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

Antero Resources
Well No. Jessica 1H
As-Drilled
Antero Resources Corporation



Page
1 of 2

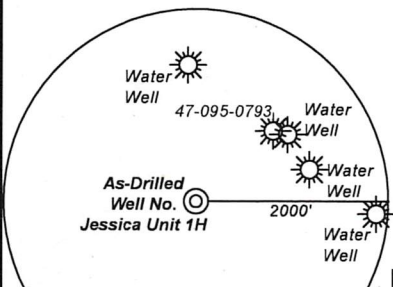
Top Hole Coordinates,
As-drilled data, and
information was provided by
Antero Resources
Corporation. Allegheny
Surveys Inc. (ASI) is not
certifying the data and
information provided. ASI is
not responsible for any
errors or inaccuracies with
the data and information
that has been provided.

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
Bradley D. Miller, P.S. 2167



SEAL



Note: Four 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 05°52' E	806.0'
L2	N 26°35' W	3,314.9'
L3	S 45°04' E	1,458.4'
L4	N 69°14' E	3,422.4'

FILE NO: 32-54-L-17

DRAWING NO: Jessica Unit 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 28 2025

OPERATOR'S WELL NO. Jessica Unit 1H

API WELL NO

47	095	02899
STATE	COUNTY	PERMIT

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

LOCATION: ELEVATION: As-Built 1,036' WATERSHED: Outlet Middle Island Creek QUADRANGLE: Paden City
DISTRICT: Lincoln COUNTY: Tyler 09/26/2025

SURFACE OWNER: Antero Resources Corporation

ACREAGE: 52.51

ROYALTY OWNER: Raymond B. Heintzman, et ux

LEASE NO: ACREAGE: 100

PROPOSED WORK: ☐ DRILL ☐ CONVERT ☐ DRILL DEEPER ☐ FRACTURE OR STIMULATE ☐ PLUG OFF OLD FORMATION
☐ PERFORATE NEW FORMATION ☒ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) As-Drilled 6,247' TVD

☐ PLUG AND ABANDON ☐ CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 16,077' MD

WELL OPERATOR: Antero Resources Corporation

DESIGNATED AGENT: Conrad Baston

ADDRESS: 1615 Wynkoop Street
Denver, CO 80202

ADDRESS: 535 White Oaks Blvd.
Bridgeport, WV 26330

8,104' to Bottom Hole
8,742' to Top Hole
TOP HOLE LATITUDE 39 - 35 - 00
BTM HOLE LATITUDE 39 - 32 - 30

Notes
West Virginia Coordinate System
of 1927, North Zone
based upon Differential GPS Measurements.
Well No. Jessica Unit 1H Top Hole coordinates are
N: 387,335.94' Latitude: 39°33'15.96"
E: 1,591,820.87' Longitude: 80°56'51.65"
Bottom Hole coordinates are
N: 377,643.59' Latitude: 39°31'40.25"
E: 1,592,300.69' Longitude: 80°56'43.53"
UTM Zone 17, NAD 1983
Top Hole Coordinates Bottom Hole Coordinates
N: 4,378,315.418m N: 4,375,365.022m
E: 504,509.708m E: 504,705.111m
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. Jessica Unit 1H
As-Drilled POE Coordinates
WV Coordinate System
of 1927, North Zone
N: 386,329.12'
E: 1,589,479.19'
Latitude: 39°33'05.64"
Longitude: 80°57'21.33"
UTM Zone 17, NAD 1983
N: 4,377,996.753m
E: 503,801.417m

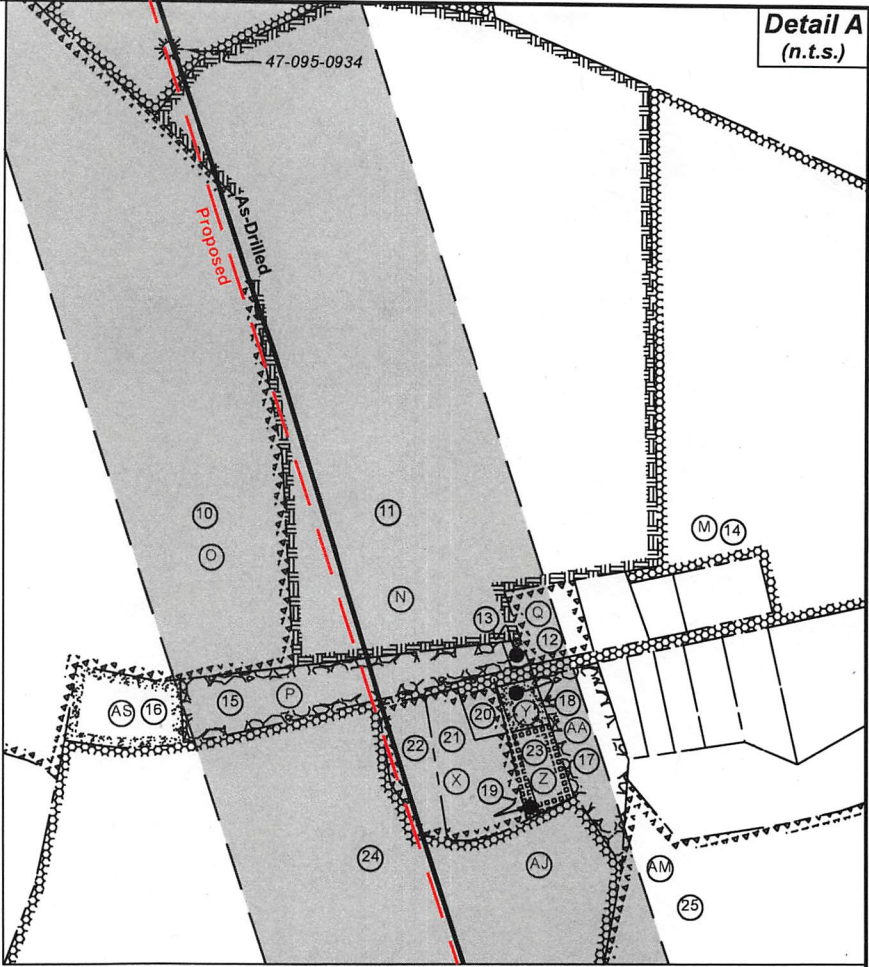
RECEIVED
Office of Oil and Gas
JUL 30 2025
WV Department of
Environmental Protection

Wellhead Layout (NTS)
Tennessee Unit 2H
(API# 47-095-02903)
Tennessee Unit 1H
(API# 47-095-02902)
Acadia Unit 2H
(API# 47-095-02898)
Acadia Unit 1H
(API# 47-095-02897)
Jessica Unit 3H
(API# 47-095-02901)
Jessica Unit 2H
(API# 47-095-02900)
As-Drilled
Jessica Unit 1H
(API# 47-095-02899)



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.)



Detail A
(n.t.s.)

ID	TM-Par	Owner	Bk/Pg	Acres
1	8-21.2	Antero Resources Corporation	296/494	35.52
2	8-21	Antero Resources Corporation	296/490	52.51
3	8-19	Olive Branch Animal Rescue	333/804	173.48
4	8-19.1	Hope Gas, Inc.	337/454	0.52
5	8-39	Virginia A. Nalley	190/482	70.65
6	8-38.4	Carl W. Woolwine	636/677	21.32
7	8-54	Virginia A. Nalley	190/482	63.01
8	8-55	Douglas Ray Carson, Jr.	595/111	25.62
9	8-56	Douglas Ray Carson, Jr.	595/111	14.96
10	12-16	Harry H. II & Rebecca A. Huff	230/546	45.11
11	12-17	Lylde S. & Melodee A. Matheny	504/633	36.00
12	12A-8	James O. & Nancy J. McMullen	341/483	0.79
13	12-40.7	Lylde S. & Melodee A. Matheny	535/275	0.08
14	12-18	David E. & Shelley R. Maxwell	307/676	29.04
15	12-40.6	Richard D. & Rachel D. Lewis	535/275	2.39
16	12-40.3	Amelia D. Hubbard	WB29/784	1.25
17	12A-15	Shirley G. Wilson	166/81	1.50
18	12A-14	Andrew M. Weekley	427/536	0.29
19	12-40.4	Andrew M. Weekley	427/536	0.16
20	12A-13	Amerlia D. Hubbard	WB75/343	0.29
21	12-40.1	Amelia D. Hubbard	WB75/343	1.61
22	12-40.5	Amelia D. Hubbard	WB75/343	0.96
23	12-40.2	Andrew M. Weekley	427/536	0.49
24	12-40	David E. Wells	335/133	34.38
25	12-41	Shaun M. & Carrie A. Meckley	633/569	43.28
26	12-53.5	Walter J. West	359/817	29.04
27	12-71.1	James Perry & Melissa Flesher	316/137	63.45
28	12-53.4	Walter J. West	359/817	52.95
29	12-53.8	Daniel J. & Donald E. Regan	372/164	7.80
30	12-53	Walter J. West	359/817	18.33
31	12-53.3	Walter J. West	359/817	9.04
32	12-53.7	John Backel & Mary Beth Tomaselli	321/138	10.01
33	12-53.6	Roller Coaster Resources LLC	259/698	27.26
34	12-52.1	Roller Coaster Resources LLC	259/698	3.45

RECEIVED
Office of Oil and Gas
JUL 30 2025
WV Department of
Environmental Protection

Leases	
A	Raymond B. Heintzman, et ux
B	Nevin Porter, et al
C	Virginia A. Nalley
D	Victoria Keller, et al
G	The Norma T. Long Trust
H	The Norma T. Long Trust
J	Helen Heintzman, et vir
M	David E. Maxwell, et ux
N	Lydie S. & Melodee A. Matheny
O	Harry H. Huff, II, et ux
P	Richard D. Lewis, et ux
Q	James O. McMullen, et ux
X	Amelia D. Hubbard
Y	Andrew Weekley
Z	Andrew Weekley
AA	Shirley G. Wilson
AJ	David E. Wells, et ux
AM	Roy L. Craig
AN	James Perry & Melissa B. Flesher
AO	Walter J. West
AP	Donald E. Regan
AS	Amelia D. Hubbard

FILE NO: 32-54-L-17
DRAWING NO: Jessica Unit 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 28 2025
OPERATOR'S WELL NO. Jessica Unit 1H
API WELL NO
47 - 095 - 02899
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: As-Built 1,036' WATERSHED: Outlet Middle Island Creek QUADRANGLE: Paden City
DISTRICT: Lincoln COUNTY: Tyler 09/26/2025
SURFACE OWNER: Antero Resources Corporation ACREAGE: 52.51
ROYALTY OWNER: Raymond B. Heintzman, et ux LEASE NO: ACREAGE: 100
PROPOSED WORK: ☐ DRILL ☐ CONVERT ☐ DRILL DEEPER ☐ FRACTURE OR STIMULATE ☐ PLUG OFF OLD FORMATION
☐ PERFORATE NEW FORMATION ☒ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) As-Drilled 6,247' TVD
☐ PLUG AND ABANDON ☐ CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 16,077' 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