

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

API 47-095-02900 County Tyler District Lincoln
Quad Paden City Pad Name Shinn Pad Field/Pool Name -----
Farm name Antero Resources Corporation Well Number Jessica 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 4378317.527m Easting 504513.692m
Landing Point of Curve Northing 4377831.19m Easting 504112.76m
Bottom Hole Northing 4375431.698m Easting 504954.805m

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 ☐ 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 1/30/2025
Date completion activities began 3/5/2025 Date completion activities ceased 4/15/2025
Verbal plugging (Y/N) N/A Date permission granted N/A Granted by N/A **RECEIVED**
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Please note: Operator is required to submit a plugging application within 5 days of verbal permission to plug **JUL 30 2025**

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

API 47-095 - 02900 Farm name Antero Resources Corporation Well number Jessica 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"	465'	New	54.5#, J-55	N/A	Y
Coal							
Intermediate 1	12-1/4"	9-5/8"	3210'	New	36#, J-55	N/A	Y
Intermediate 2							
Intermediate 3							
Production	8-3/4"/8-1/2"	5-1/2"	15841'	New	23#, P-110ICY	N/A	Y
Tubing		2-3/8"	6473'		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	1112 sx	15.8	1.15	1279	0'	8 Hrs.
Intermediate 2							
Intermediate 3							
Production	Class H	2300 sx (Tail)	13.5 (Lead), 15.2 (Tail)	1.77 (Lead), 1.32 (Tail)	3036	~500' into Intermediate Casing	8 Hrs.
Tubing							

Drillers TD (ft) 15841' MD, 6266' TVD (BHL), 6266' (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) 5690'

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

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

DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING _____

Conductor - 0
Surface - 1 above guide shoe, 1 above insert float, 1 every 4th joint to surface
Intermediate - 1 above float joint, 1 above float collar, 1 every 4th joint to surface
Production - 1 above float joint, 1 below float collar, 1 every 3rd joint to top of cement

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WAS WELL COMPLETED AS SHOT HOLE ☐ Yes ☒ No DETAILS _____
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WAS WELL COMPLETED OPEN HOLE? ☐ Yes ☒ No DETAILS _____

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

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PERFORATION RECORD

***PLEASE SEE ATTACHED EXHIBIT 1**

Please insert additional pages as applicable.

STIMULATION INFORMATION PER STAGE

Complete a separate record for each stimulation stage.

***PLEASE SEE ATTACHED EXHIBIT 2**

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Please insert additional pages as applicable.

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API 47- 095 - 02900 Farm name Antero Resources Corporation Well number Jessica Unit 2H

PRODUCING FORMATION(S)	DEPTHS	
Marcellus	6118' (TOP) TVD	6599' (TOP) MD

Please insert additional pages as applicable.

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

SHUT-IN PRESSURE Surface 1135 psi Bottom Hole --- psi DURATION OF TEST --- hrs

OPEN FLOW Gas 10958 mcfpd Oil 298 bpd NGL --- bpd Water 1098 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)
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***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 Halliburton Energy Services
Address 3000 W. Sam Houston Pkwy City Houston State TX Zip 76114

Stimulating Company NexTier
Address 1650 Hackers Creek Rd City Jane Lew State WV Zip 26378

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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 47-095-02900 Farm Name Antero Resources Corporation Well Number Jessica Unit 2H					
Exhibit 1					
Stage No.	Perforation Date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formations
1	3/5/2025	15785.40	15770.60	60	Marcellus
2	3/5/2025	15732.37	15569.22	60	Marcellus
3	3/6/2025	15534.19	15371.03	60	Marcellus
4	3/6/2025	15336.00	15172.85	60	Marcellus
5	3/6/2025	15137.82	14974.67	60	Marcellus
6	3/7/2025	14939.64	14776.49	60	Marcellus
7	3/7/2025	14741.46	14578.30	60	Marcellus
8	3/8/2025	14543.27	14380.12	60	Marcellus
9	3/8/2025	14345.09	14181.94	60	Marcellus
10	3/8/2025	14146.91	13983.76	60	Marcellus
11	3/9/2025	13948.73	13785.57	60	Marcellus
12	3/9/2025	13750.54	13587.39	60	Marcellus
13	3/10/2025	13552.36	13389.21	60	Marcellus
14	3/10/2025	13354.18	13191.03	60	Marcellus
15	3/10/2025	13156.00	12992.84	60	Marcellus
16	3/11/2025	12957.81	12794.66	60	Marcellus
17	3/11/2025	12759.63	12596.48	60	Marcellus
18	3/11/2025	12561.45	12398.30	60	Marcellus
19	3/12/2025	12363.27	12200.11	60	Marcellus
20	3/12/2025	12165.08	12001.93	60	Marcellus
21	3/12/2025	11966.90	11803.75	60	Marcellus
22	3/13/2025	11768.72	11605.57	60	Marcellus
23	3/13/2025	11570.53	11407.38	60	Marcellus
24	3/13/2025	11372.35	11209.20	60	Marcellus
25	3/14/2025	11174.17	11011.02	60	Marcellus
26	3/14/2025	10975.99	10812.83	60	Marcellus
27	3/14/2025	10777.80	10614.65	60	Marcellus
28	3/14/2025	10579.62	10416.47	60	Marcellus
29	3/15/2025	10381.44	10218.29	60	Marcellus
30	3/15/2025	10183.26	10020.10	60	Marcellus
31	3/15/2025	9985.07	9821.92	60	Marcellus
32	3/16/2025	9786.89	9623.74	60	Marcellus
33	3/16/2025	9588.71	9425.56	60	Marcellus
34	3/17/2025	9390.53	9227.37	60	Marcellus
35	3/17/2025	9192.34	9029.19	60	Marcellus
36	3/17/2025	8994.16	8831.01	60	Marcellus
37	3/18/2025	8795.98	8632.83	60	Marcellus
38	3/19/2025	8597.80	8434.64	60	Marcellus
39	3/20/2025	8399.61	8236.46	60	Marcellus
40	3/21/2025	8201.43	8038.28	60	Marcellus
41	3/22/2025	8003.25	7840.10	60	Marcellus
42	3/23/2025	7805.07	7641.91	60	Marcellus
43	3/23/2025	7606.88	7443.73	60	Marcellus
44	3/24/2025	7408.70	7245.55	60	Marcellus
45	3/25/2025	7210.52	7047.37	60	Marcellus
46	3/26/2025	7012.33	6849.18	60	Marcellus
47	3/26/2025	6814.15	6651.00	60	Marcellus

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API 47-095-02900 Farm Name Antero Resources Corporation Well Number Jessica 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 (bbls)	Amount of Nitrogen/ other (units)
1	3/5/2025	79.2	8213	7360	3851	112740	3300	N/A
2	3/5/2025	95.8	9014	7991	4483	409280	7050	N/A
3	3/6/2025	97.5	9357	5476	4411	399340	6988	N/A
4	3/6/2025	98.5	9817	6990	4661	391740	6790	N/A
5	3/6/2025	95.8	9211	6810	4459	399420	6935	N/A
6	3/7/2025	95.4	9213	7565	4904	403560	6925	N/A
7	3/7/2025	97.5	9212	7146	4985	400460	6899	N/A
8	3/8/2025	95.8	8573	6056	4745	398560	6961	N/A
9	3/8/2025	96.9	9506	7867	5189	402780	6874	N/A
10	3/8/2025	98.8	9025	7130	3575	401120	7047	N/A
11	3/9/2025	97.0	9182	5866	4634	402060	6785	N/A
12	3/9/2025	96.2	9210	7852	4446	402500	6863	N/A
13	3/10/2025	94.5	8638	6536	4812	403200	9361	N/A
14	3/10/2025	95.6	8832	6853	4435	402800	6838	N/A
15	3/10/2025	95.6	8693	5227	4499	396640	6949	N/A
16	3/11/2025	95.3	8665	6537	4490	398940	6749	N/A
17	3/11/2025	96.3	8770	6015	4165	394720	6787	N/A
18	3/11/2025	95.7	8728	3216	4323	399200	6793	N/A
19	3/12/2025	94.2	8531	6738	4384	404480	6777	N/A
20	3/12/2025	92.5	8104	6846	4423	402960	6767	N/A
21	3/12/2025	96.4	8308	5654	4480	405280	6775	N/A
22	3/13/2025	95.5	8819	4541	4226	401320	6798	N/A
23	3/13/2025	96.5	8759	6536	4178	412020	7075	N/A
24	3/13/2025	94.7	8216	5318	4383	401880	6848	N/A
25	3/14/2025	97.0	8246	6011	4829	401260	6598	N/A
26	3/14/2025	96.5	8273	6411	4453	407500	6772	N/A
27	3/14/2025	97.8	8231	6309	4067	404740	6608	N/A
28	3/14/2025	97.6	8224	7482	4476	398980	6514	N/A
29	3/15/2025	96.4	7875	6662	4650	399040	6129	N/A
30	3/15/2025	96.3	7857	6239	3894	401660	6893	N/A
31	3/15/2025	96.7	7881	5997	3834	407800	6812	N/A
32	3/16/2025	97.0	8048	6797	4132	399760	6699	N/A
33	3/16/2025	98.3	8032	5609	3997	410660	6834	N/A
34	3/17/2025	97.1	8019	8243	4259	402140	6756	N/A
35	3/17/2025	98.3	7910	4247	3801	410760	6916	N/A
36	3/17/2025	97.0	7435	3882	4133	400220	6724	N/A
37	3/18/2025	97.9	7873	6305	4288	410780	6855	N/A
38	3/19/2025	96.8	8079	3774	3690	405160	6792	N/A
39	3/20/2025	97.5	7891	4934	3984	401740	6711	N/A
40	3/21/2025	85.6	8015	4916	4384	390060	6990	N/A
41	3/22/2025	96.1	7417	5626	3609	403640	6819	N/A
42	3/23/2025	95.5	7054	3832	4475	409020	6935	N/A
43	3/23/2025	98.4	6873	3916	3471	408960	6888	N/A
44	3/24/2025	99.2	7177	7166	4324	409060	6759	N/A
45	3/25/2025	97.7	6979	5674	4013	398340	6663	N/A
46	3/26/2025	97.0	7160	6679	3626	401880	6765	N/A
47	3/26/2025	97.6	7122	7114	3269	412200	6744	N/A
	AVERAGE	96	8,304	6,127	4,272	18,642,360	319,110	TOTAL

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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
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	1,796	1,820	1,838
Big Lime	1,826	2,280	1,838	2,346
Fifty Foot Sandstone	2,280	2,695	2,316	2,784
Gordon	2,695	2,866	2,754	2,965
Fifth Sandstone	2,866	3,154	2,935	3,269
Bayard	3,154	3,830	3,239	3,987
Speechley	3,830	4,138	3,957	4,317
Balltown	4,138	4,567	4,287	4,772
Bradford	4,567	4,858	4,742	5,079
Benson	4,858	5,074	5,049	5,307
Alexander	5,074	6,039	5,277	6,400
Sycamore	5,916	6,009	6,232	6,370
Middlesex	6,009	6,089	6,370	6,527
Burkett	6,089	6,118	6,527	6,599
Marcellus	6,118	NA	6,599	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.

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Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	03/05/2025
Job End Date:	03/26/2025
State:	West Virginia
County:	Tyler
API Number:	47-095-02900-00-00
Operator Name:	Antero Resources Corporation
Well Name and Number:	Jessica UNIT 2H
Latitude:	39.554536
Longitude:	-80.947466
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	6237
Total Base Water Volume (gal)*:	13768398
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					

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A handwritten signature in blue ink, appearing to be "JL", is located at the bottom right of the page.

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	85.61810	
			Crystalline Silica	14808-60-7	99.90000	13.92940	
			Water	7732-18-5	85.00000	0.29192	
			Hydrochloric Acid	7647-01-0	15.00000	0.05152	
			Distillates (Petroleum), Hydrotreated Light	64742-47-8	50.00000	0.02082	
			Chemplex-Polymer-00019	Proprietary	40.00000	0.01781	
			Aluminum Oxide	1344-28-1	0.10000	0.01394	
			Isoalkanes	6742-47-8	30.00000	0.01336	
			Glutaraldehyde	111-30-8	30.00000	0.00242	
			Chemplex-surfactant-00015	Proprietary	5.00000	0.00223	
			Bentonite	1302-78-9	5.00000	0.00208	
			Alkoxylated Isodecyl Alcohol	154518-36-2	5.00000	0.00208	
			Chemplex-surfactant-00021	Proprietary	3.00000	0.00134	
			Ammonium Persulfate	7727-54-0	90.00000	0.00051	
			Alkyl (C12-16) dimethylbenzylammonium chloride	68424-85-1	5.00000	0.00040	
			1-Decanaminium, N-decyl-N,N-dimethyl-,chloride	7173-51-5	5.00000	0.00040	
			Ethylene glycol	107-21-1	45.00000	0.00015	
			Glycol Ether EB	111-76-2	45.00000	0.00015	
			N,N-Dimethylformamide	68-12-2	20.00000	0.00006	
			Tar bases,quinoline derivs.,benzyl chloride-quaternized	72480-70-7	20.00000	0.00006	
			Water	7732-18-5	15.00000	0.00005	
			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	0.00000	

* 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.

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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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Antero Resources
Well No. Jessica 2H
As-Drilled
Antero Resources Corporation

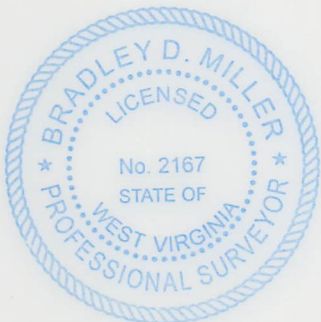


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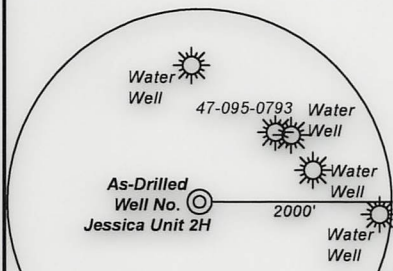
Top Hole Coordinates,
As-drilled data, and
information was provided by
Antero Resources
Corporation. Allegany
Surveys Inc. (ASI) is not
certifying the data and
information provided. ASI is
not responsible for any
errors or inaccuracies with
the data and information
that has been provided.

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 06°45' E	814.1'
L2	N 26°19' W	3,315.0'
L3	S 45°37' E	1,463.1'
L4	N 69°13' E	3,437.1'

FILE NO: 32-54-L-17
DRAWING NO: Jessica Unit 2H 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 2H
API WELL NO
47 - 095 - 02900
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 6,266' TVD
☐ PLUG AND ABANDON ☐ CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 15,841' 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

Notes
West Virginia Coordinate System
of 1927, North Zone
based upon Differential GPS Measurements.
Well No. Jessica Unit 2H Top Hole coordinates are
N: 387,342.64' Latitude: 39°33'16.03"
E: 1,591,834.06' Longitude: 80°56'51.48"
Bottom Hole coordinates are
N: 377,848.68' Latitude: 39°31'42.41"
E: 1,593,123.71' Longitude: 80°56'33.07"
UTM Zone 17, NAD 1983
Top Hole Coordinates Bottom Hole Coordinates
N: 4,378,317.527m N: 4,375,431.698m
E: 504,513.692m E: 504,954.805m
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 2H
As-Drilled POE Coordinates
WV Coordinate System
of 1927, North Zone
N: 386,601.50'
E: 1,590,276.84'
Latitude: 39°33'08.46"
Longitude: 80°57'11.21"
UTM Zone 17, NAD 1983
N: 4,378,083.799m
E: 504,043.041m

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)
As-Drilled
Jessica Unit 2H
(API# 47-095-02900)
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 2H
As-Drilled
Antero Resources Corporation

ALLEGHENY
SURVEYS, INC.

Page
2 of 2

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	8-39	Virginia A. Nalley	190/482	70.65
5	8-39.1	Gary G. Jr. & Debbie Ann Phillips	404/299	33.13
6	8-54	Virginia A. Nalley	190/482	63.01
7	8-55	Douglas Ray Carson, Jr.	595/111	25.62
8	8-58	Jerry R. Brightwell & Gwendolyn C. Davies	343/841	20.16
9	8-56	Douglas Ray Carson, Jr.	595/111	14.96
10	8-57	Douglas Ray Carson, Jr.	595/111	33.84
11	12-17	Lylde S. & Melodee A. Matheny	504/633	36.00
12	12-18	David E. & Shelley R. Maxwell	307/676	29.04
13	12A-12	Terri K. & Brian K. Dennis	OR85/450	0.35
14	12A-11	David E. & Shelley R. Maxwell	564/777	0.46
15	12A-10	Jeffrey C. & Violet C. Moore	348/780	0.37
16	12A-9	Connie M. Vincent	OR85/446	0.60
17	12A-8	James O. & Nancy J. McMullen	341/483	0.79
18	12-40.7	Lylde S. & Melodee A. Matheny	535/275	0.08
19	12-40.6	Richard D. & Rachel D. Lewis	535/275	2.39
20	12A-23	Kenneth R. Barker	358/801	0.86
21	12A-22	Carolyn A. Landis	WB84/809	0.79
22	12A-21	Carolyn A. Landis	192/451	1.54
23	12A-20	Hannah M. Dennis & Dalton A. Wells	OR138/383	0.96
24	12A-19	Teresa Jean Starcher	336/775	0.64
25	12A-18	Michael E. & Courtney S. Blair	546/725	0.40
26	12A-17	David L. & Janice W. Kelly	627/266	0.40
27	12A-16	Charles B. & Julie L. Yonaley	329/75	0.41
28	12A-15	Shirley G. Wilson	166/81	1.50
29	12A-14	Andrew M. Weekley	427/536	0.29
30	12-40.2	Andrew M. Weekley	427/536	0.49
31	12-41	Shaun M. & Carrie A. Meckley	633/569	43.28
32	12-40	David E. Wells	335/133	34.38
33	12-71.1	James Perry & Melissa Flesher	316/137	63.45
34	12-53.5	Walter J. West	359/817	29.04
35	12-53.8	Daniel J. & Donald E. Regan	372/164	7.80
36	12-53.4	Walter J. West	359/817	52.95
37	12-54.1	Donald Thompson	617/81	5.12
38	12-53.1	Denver R. II & Deborah L. Starcher	475/380	1.95
39	12-68	Denver R. II & Deborah L. Starcher	475/380	51.41
40	12-53.2	Denver R. II & Deborah L. Starcher	475/380	11.96
41	12-53.3	Walter J. West	359/817	9.04
42	12-53	Walter J. West	359/817	18.33

Leases	
A	Raymond B. Heintzman, et ux
B	Nevin Porter, et al
C	Virginia A. Nalley
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G	The Norma T. Long Trust
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AE	Teresa J. Burgey
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AG	Carolyn A. Landis
AH	Kenneth R. Barker
AJ	David E. Wells, et ux
AK	Rose Ann Lambert
AM	Roy L. Craig
AN	James Perry & Melissa B. Flesher
AO	Walter J. West
AP	Donald E. Regan
AQ	BRC Appalachian Minerals I, LLC
AR	Teresa Jean Burgey

FILE NO: 32-54-L-17

DRAWING NO: Jessica Unit 2H 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 2H

API WELL NO

47 - 095 - 02900

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

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☐ PERFORATE NEW FORMATION ☒ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) As-Drilled 6,266' TVD

☐ PLUG AND ABANDON ☐ CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 15,841' 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 2H
As-Drilled
Antero Resources Corporation

ALLEGHENY
SURVEYS, INC.

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.

Page
1 of 2

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

BRADLEY D. MILLER
LICENSED
No. 2167
STATE OF
WEST VIRGINIA
PROFESSIONAL SURVEYOR

SEAL

Water Well
47-095-0793

Water Well

As-Drilled
Well No. Jessica Unit 2H

Water Well

Water Well

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 06°45' E	814.1'
L2	N 26°19' W	3,315.0'
L3	S 45°37' E	1,463.1'
L4	N 69°13' E	3,437.1'

7,292' to Bottom Hole

8,730' to Top Hole

TOP HOLE LATITUDE 39 - 35 - 00
BTM HOLE LATITUDE 39 - 32 - 30

LONGITUDE 80 - 55 - 00

4,816' to Bottom Hole

10,520' to Top Hole

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Jessica Unit 2H
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Road
Surface boundary (approx.)
Interior surface tracts (approx.)

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

FILE NO: 32-54-L-17
DRAWING NO: Jessica Unit 2H 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 2H
API WELL NO
47 - 095 - 02900
STATE COUNTY PERMIT

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

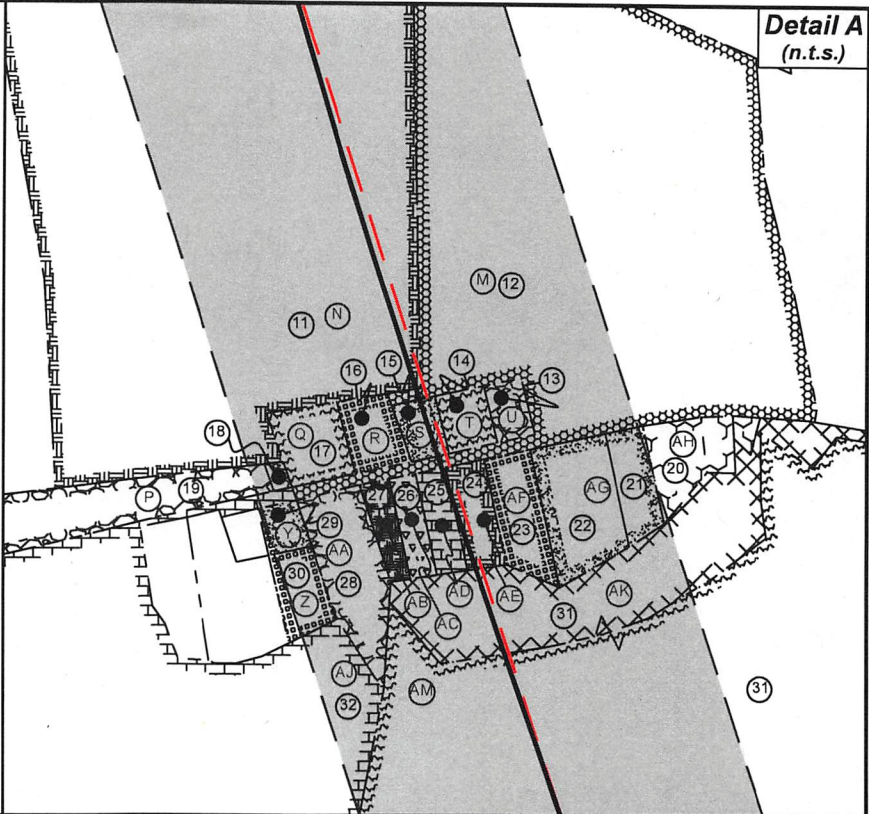
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Antero Resources
Well No. Jessica 2H
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MINIMUM DEGREE OF ACCURACY:
Submeter
PROVEN SOURCE OF ELEVATION:
WVDOT, Harrisville, WV

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



DATE: July 28 20 25
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47 - 095 - 02900
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