

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

API 47-095-02901 County Tyler District Lincoln
Quad Paden City Pad Name Shinn Pad Field/Pool Name -----
Farm name Antero Resources Corporation Well Number Jessica Unit 3H
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 4378319.694m Easting 504517.712m
Landing Point of Curve Northing 4377489.29m Easting 504496.48m
Bottom Hole Northing 4375479.980m Easting 505207.348m

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

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Date permit issued 10/28/2024 Date drilling commenced 11/15/2024 Date drilling ceased 1/25/2025
Date completion activities began 3/5/2025 Date completion activities ceased 4/14/2025
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

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API 47- 095 - 02901 Farm name Antero Resources Corporation Well number Jessica Unit 3H

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"	3096'	New	36#, J-55	N/A	Y
Intermediate 2							
Intermediate 3							
Production	8-3/4"/8-1/2"	5-1/2"	15808'	New	23#, P-110ICY	N/A	Y
Tubing		2-3/8"	6241'		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	1090 sx	15.8	1.15	1254	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) 15808' MD, 6289' TVD (BHL), 6289' (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) 5522'

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

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

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PRODUCING FORMATION(S)	DEPTHS
Marcellus	6118' (TOP) TVD 6386' (TOP) MD

Please insert additional pages as applicable.

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

SHUT-IN PRESSURE Surface 1410 psi Bottom Hole --- psi DURATION OF TEST --- hrs

OPEN FLOW Gas Oil NGL Water GAS MEASURED BY
11571 mcfpd 314 bpd --- bpd 1138 bpd ☐ 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					

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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

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

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API 47-095-02901 Farm Name Antero Resources Corporation Well Number Jessica Unit 3H					
Exhibit 1					
Stage No.	Perforation Date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formations
1	3/5/2025	15752.40	15737.60	60	Marcellus
2	3/5/2025	15699.43	15536.60	60	Marcellus
3	3/6/2025	15501.64	15338.81	60	Marcellus
4	3/6/2025	15303.84	15141.01	60	Marcellus
5	3/7/2025	15106.05	14943.22	60	Marcellus
6	3/7/2025	14908.25	14745.42	60	Marcellus
7	3/7/2025	14710.46	14547.63	60	Marcellus
8	3/8/2025	14512.66	14349.83	60	Marcellus
9	3/8/2025	14314.86	14152.03	60	Marcellus
10	3/8/2025	14117.07	13954.24	60	Marcellus
11	3/9/2025	13919.27	13756.44	60	Marcellus
12	3/9/2025	13721.48	13558.65	60	Marcellus
13	3/10/2025	13523.68	13360.85	60	Marcellus
14	3/10/2025	13325.89	13163.06	60	Marcellus
15	3/10/2025	13128.09	12965.26	60	Marcellus
16	3/11/2025	12930.29	12767.46	60	Marcellus
17	3/11/2025	12732.50	12569.67	60	Marcellus
18	3/11/2025	12534.70	12371.87	60	Marcellus
19	3/12/2025	12336.91	12174.08	60	Marcellus
20	3/12/2025	12139.11	11976.28	60	Marcellus
21	3/12/2025	11941.31	11778.49	60	Marcellus
22	3/13/2025	11743.52	11580.69	60	Marcellus
23	3/13/2025	11545.72	11382.89	60	Marcellus
24	3/13/2025	11347.93	11185.10	60	Marcellus
25	3/14/2025	11150.13	10987.30	60	Marcellus
26	3/14/2025	10952.34	10789.51	60	Marcellus
27	3/14/2025	10754.54	10591.71	60	Marcellus
28	3/14/2025	10556.74	10393.91	60	Marcellus
29	3/15/2025	10358.95	10196.12	60	Marcellus
30	3/15/2025	10161.15	9998.32	60	Marcellus
31	3/16/2025	9963.36	9800.53	60	Marcellus
32	3/16/2025	9765.56	9602.73	60	Marcellus
33	3/16/2025	9567.77	9404.94	60	Marcellus
34	3/17/2025	9369.97	9207.14	60	Marcellus
35	3/17/2025	9172.17	9009.34	60	Marcellus
36	3/18/2025	8974.38	8811.55	60	Marcellus
37	3/18/2025	8776.58	8613.75	60	Marcellus
38	3/19/2025	8578.79	8415.96	60	Marcellus
39	3/20/2025	8380.99	8218.16	60	Marcellus
40	3/21/2025	8183.20	8020.37	60	Marcellus
41	3/22/2025	7985.40	7822.57	60	Marcellus
42	3/23/2025	7787.60	7624.77	60	Marcellus
43	3/24/2025	7589.81	7426.98	60	Marcellus
44	3/24/2025	7392.01	7229.18	60	Marcellus
45	3/25/2025	7194.22	7031.39	60	Marcellus
46	3/26/2025	6996.42	6833.59	60	Marcellus
47	3/26/2025	6798.63	6635.80	60	Marcellus
48	3/26/2025	6600.83	6438.00	60	Marcellus

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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	72.8	9048	8849	4858	115400	3115	N/A
2	3/5/2025	94.4	9151	5607	4463	402120	6904	N/A
3	3/6/2025	97.8	9597	5875	4278	405520	6908	N/A
4	3/6/2025	98.1	9692	7460	4524	398380	6941	N/A
5	3/7/2025	82.9	8344	6853	4896	408780	9018	N/A
6	3/7/2025	98.0	9534	6681	3868	399880	6892	N/A
7	3/7/2025	93.6	8481	6582	4231	402240	6941	N/A
8	3/8/2025	68.5	9632	6957	6474	398140	9011	N/A
9	3/8/2025	97.8	9215	7342	4310	398460	6918	N/A
10	3/8/2025	93.1	8650	6142	4292	398120	6884	N/A
11	3/9/2025	96.6	9188	6827	4318	400400	6908	N/A
12	3/9/2025	96.5	9370	7328	4761	398500	6879	N/A
13	3/10/2025	93.7	8546	6166	4069	399120	6915	N/A
14	3/10/2025	96.9	8950	5890	4431	401720	6857	N/A
15	3/10/2025	96.1	8648	4839	3848	402980	6780	N/A
16	3/11/2025	84.7	8812	6174	4172	393020	8886	N/A
17	3/11/2025	95.5	8726	6549	4299	398420	6797	N/A
18	3/11/2025	94.7	8746	5382	4187	399540	6814	N/A
19	3/12/2025	95.8	8480	6284	4258	398180	6859	N/A
20	3/12/2025	91.9	8145	6350	4477	401720	6855	N/A
21	3/12/2025	97.0	8496	6122	4464	405740	6907	N/A
22	3/13/2025	99.4	8838	5558	3909	398580	6736	N/A
23	3/13/2025	96.4	8580	6299	4599	404700	6737	N/A
24	3/13/2025	96.9	8468	4738	3562	410460	6884	N/A
25	3/14/2025	96.5	8261	7040	4352	398520	6604	N/A
26	3/14/2025	96.7	8313	6348	3454	400760	6657	N/A
27	3/14/2025	97.1	8405	6028	4420	412780	6853	N/A
28	3/14/2025	96.7	8076	7787	4253	398300	6462	N/A
29	3/15/2025	94.8	8310	8058	4120	410540	6587	N/A
30	3/15/2025	95.4	7994	6137	4340	407940	6859	N/A
31	3/16/2025	97.9	7892	6453	3900	411600	6793	N/A
32	3/16/2025	96.7	8022	6564	3899	397000	6819	N/A
33	3/16/2025	97.5	7917	5675	3887	406820	6894	N/A
34	3/17/2025	97.0	8318	7322	4133	407180	6781	N/A
35	3/17/2025	97.2	8138	7122	4194	408700	6791	N/A
36	3/18/2025	98.1	7485	4606	3879	408680	7011	N/A
37	3/18/2025	95.8	7435	5600	3487	407380	6823	N/A
38	3/19/2025	96.7	7751	5842	4003	414820	6915	N/A
39	3/20/2025	97.1	7501	7160	3608	408520	6746	N/A
40	3/21/2025	93.7	7395	3923	3917	397440	6600	N/A
41	3/22/2025	97.1	7104	5499	4190	404660	6770	N/A
42	3/23/2025	97.7	6909	4479	3638	404700	6789	N/A
43	3/24/2025	95.8	7454	6834	4180	413340	6833	N/A
44	3/24/2025	100.0	7459	7761	3049	406960	6721	N/A
45	3/25/2025	98.3	7295	5856	3438	405760	6801	N/A
46	3/26/2025	97.4	7088	7325	4090	409480	6762	N/A
47	3/26/2025	97.8	7173	6595	4098	402240	6697	N/A
48	3/26/2025	98.0	7405	8079	3615	404660	6962	N/A
	AVERAGE	95	8,301	6,395	4,160	19,088,900	329,876	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	1,781	1,820	1,799
Big Lime	1,811	2,275	1,799	2,300
Fifty Foot Sandstone	2,275	2,698	2,270	2,729
Gordon	2,698	2,862	2,699	2,896
Fifth Sandstone	2,862	3,157	2,866	3,195
Bayard	3,157	3,824	3,165	3,873
Speechley	3,824	4,132	3,843	4,187
Balltown	4,132	4,564	4,157	4,627
Bradford	4,564	4,860	4,597	4,928
Benson	4,860	5,078	4,898	5,150
Alexander	5,078	6,041	5,120	6,206
Sycamore	5,915	6,011	6,038	6,176
Middlesex	6,011	6,091	6,176	6,319
Burkett	6,091	6,118	6,319	6,386
Marcellus	6,118	NA	6,386	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:	47-095-02901-00-00
Operator Name:	Antero Resources Corporation
Well Name and Number:	Jessica UNIT 3H
Latitude:	39.554556
Longitude:	-80.947419
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	6244
Total Base Water Volume (gal)*:	14218050
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 "J. [unclear]", is written over the date stamp.

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	85.71986	
			Crystalline Silica	14808-60-7	99.90000	13.82779	
			Water	7732-18-5	85.00000	0.28888	
			Hydrochloric Acid	7647-01-0	15.00000	0.05098	
			Distillates (Petroleum), Hydrotreated Light	64742-47-8	50.00000	0.02209	
			Chemplex-Polymer-00019	Proprietary	40.00000	0.01792	
			Aluminum Oxide	1344-28-1	0.10000	0.01384	
			Isoalkanes	6742-47-8	30.00000	0.01344	
			Glutaraldehyde	111-30-8	30.00000	0.00260	
			Chemplex-surfactant-00015	Proprietary	5.00000	0.00224	
			Bentonite	1302-78-9	5.00000	0.00221	
			Alkoxylated Isodecyl Alcohol	154518-36-2	5.00000	0.00221	
			Chemplex-surfactant-00021	Proprietary	3.00000	0.00134	
			Ammonium Persulfate	7727-54-0	90.00000	0.00058	
			Alkyl (C12-16) dimethylbenzylammonium chloride	68424-85-1	5.00000	0.00043	
			1-Decanaminium, N-decyl-N,N-dimethyl-,chloride	7173-51-5	5.00000	0.00043	
			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	0.00007	
			Tar bases,quinoline derivs.,benzyl chloride-quaternized	72480-70-7	20.00000	0.00007	
			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	0.00001	

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

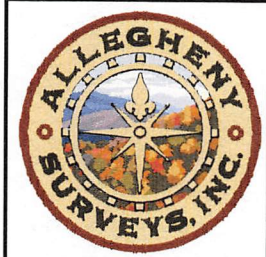


ID	TM-Par	Owner	Bk/Pg	Acres
1	8-21.2	Antero Resources Corporation	296/494	35.52
2	8-21	Antero Resources Corporation	296/490	52.51
3	8-19	Olive Branch Animal Rescue	333/804	173.48
4	8-39	Virginia A. Nalley	190/482	70.65
5	8-41	David E. & Ila Grace Kyle	272/189	118.10
6	8-39.1	Gary G. Jr. & Debbie Ann Phillips	404/299	33.13
7	8-59	Burl A. & Colleen Folger	199/135	24.00
8	8-58	Jerry R. Brightwell & Gwendolyn C. Davies	343/841	20.16
9	8-57	Douglas Ray Carson, Jr.	595/111	33.84
10	12-19	Joseph C. & Nancy E. Starkey	217/203	17.00
11	12-17	Lyde S. & Melodee A. Matheny	504/633	36.00
12	12-18	David E. & Shelley R. Maxwell	307/676	29.04
13	12-20.4	Joseph C. & Nancy E. Starkey	579/666	4.85
14	12-20.2	Shawn M. & Carrie A. Meckley	601/789	30.21
15	12A-24	Holly A. McNeely	213/778	0.26
16	12-41	Shaun M. & Carrie A. Meckley	633/569	43.28
17	12A-23	Kenneth R. Barker	358/801	0.86
18	12A-22	Carolyn A. Landis	WB84/809	0.79
19	12A-21	Carolyn A. Landis	192/451	1.54
20	12-42	Ray T. & Amy S. Fluharty	227/16	0.42
21	12-20	Gary G. Sr. & Mary E. Phillips	308/508	3.82
22	12-71	Shaun M. & Carrie A. Meckley	393/423	266.33
23	12-71.1	James Perry & Melissa Flesher	316/137	63.45
24	12-53.8	Daniel J. & Donald E. Regan	372/164	7.80
25	12-54.5	Charles R. Duke	349/511	1.01
26	12-54.6	Thomas & Nova Lee Fonner	243/392	1.12
27	12-54.2	Jane Ann Magruder	322/333	15.84
28	12-54.1	Donald Thompson	617/81	5.12
29	12-53.1	Denver R. II & Deborah L. Starcher	475/380	1.95
30	12-68	Denver R. II & Deborah L. Starcher	475/380	51.41
31	12-54	David A. Starcher	591/22	60.95

Leases	
A	Raymond B. Heintzman, et ux
B	Nevin Porter, et al
C	Virginia A. Nalley
E	John L. Hess
F	Virginia A. Nalley
I	Jerry R. Brightwell, et ux
K	Bounty Minerals, LLC
L	Julie Ann Ford
M	David E. Maxwell, et ux
N	Lyde S. & Melodee A. Matheny
V	Joseph Clair Starkey, et ux
W	Rose Ann Craig Lambert
AG	Carolyn A. Landis
AH	Kenneth R. Barker
AI	Joshua Levi Stombeck
AK	Rose Ann Lambert
AL	Holly A. McNeely
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
AS	Kenny W. Heater
AT	Gary W. Phillips, Sr., et ux
AU	Lois M. & Billy J. Stern

FILE NO: <u>32-54-L-17</u>	STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OIL AND GAS DIVISION	DATE: <u>July 28</u> 20 <u>25</u>
DRAWING NO: <u>Jessica Unit 3H As-Drilled</u>		OPERATOR'S WELL NO. <u>Jessica Unit 3H</u>
SCALE: <u>1" = 2000'</u>		API WELL NO
MINIMUM DEGREE OF ACCURACY: <u>Submeter</u>		<u>47</u> - <u>095</u> - <u>02901</u> STATE COUNTY PERMIT
PROVEN SOURCE OF ELEVATION: <u>WVDOT, Harrisville, WV</u>		
WELL TYPE: ☐ OIL ☒ GAS ☐ LIQUID INJECTION ☐ WASTE DISPOSAL (IF GAS) PRODUCTION: ☐ STORAGE ☐ DEEP ☒ SHALLOW		
LOCATION: ELEVATION: <u>As-Built 1,036'</u> WATERSHED: <u>Outlet Middle Island Creek</u> QUADRANGLE: <u>Paden City</u>		
DISTRICT: <u>Lincoln</u> COUNTY: <u>Tyler</u> 09/26/2025		
SURFACE OWNER: <u>Antero Resources Corporation</u> ACREAGE: <u>52.51</u>		
ROYALTY OWNER: <u>Raymond B. Heintzman, et ux</u> LEASE NO: _____ ACREAGE: <u>100</u>		
PROPOSED WORK: ☐ DRILL ☐ CONVERT ☐ DRILL DEEPER ☐ FRACTURE OR STIMULATE ☐ PLUG OFF OLD FORMATION ☐ PERFORATE NEW FORMATION ☒ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) <u>As-Drilled</u> 6,289' TVD		
☐ PLUG AND ABANDON ☐ CLEAN OUT AND REPLUG TARGET FORMATION: <u>Marcellus Shale</u> ESTIMATED DEPTH: <u>15,808' MD</u>		
WELL OPERATOR: <u>Antero Resources Corporation</u> DESIGNATED AGENT: <u>Conrad Baston</u>		
ADDRESS: <u>1615 Wynkoop Street</u> ADDRESS: <u>535 White Oaks Blvd.</u>		
<u>Denver, CO 80202</u> <u>Bridgeport, WV 26330</u>		

Antero Resources
Well No. Jessica 3H
As-Drilled
Antero Resources Corporation



Page
1 of 2

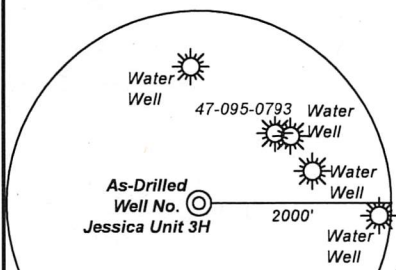
Top Hole Coordinates,
As-drilled data, and
information was provided by
Antero Resources
Corporation. Allegheny
Surveys Inc. (ASI) is not
certifying the data and
information provided. ASI is
not responsible for any
errors or inaccuracies with
the data and information
that has been provided.

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



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 07°36' E	822.3'
L2	N 26°04' W	3,315.2'
L3	S 46°10' E	1,467.9'
L4	N 69°11' E	3,451.8'

FILE NO: 32-54-L-17

DRAWING NO: Jessica Unit 3H 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 3H

API WELL NO

47 - 095 - 02901
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 6,289' TVD

☐ PLUG AND ABANDON ☐ CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 15,808' 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

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 3H Top Hole coordinates are
N: 387,349.53' Latitude: 39°33'16.10"
E: 1,591,847.37' Longitude: 80°56'51.31"
Bottom Hole coordinates are
N: 377,993.26' Latitude: 39°31'43.97"
E: 1,593,955.07' Longitude: 80°56'22.49"
UTM Zone 17, NAD 1983
Top Hole Coordinates Bottom Hole Coordinates
N: 4,378,319.694m N: 4,375,479.980m
E: 504,517.712m E: 505,207.348m
Plat orientation and corner and well references
are based upon the grid north meridian.
Well location references are based upon the magnetic
meridian.

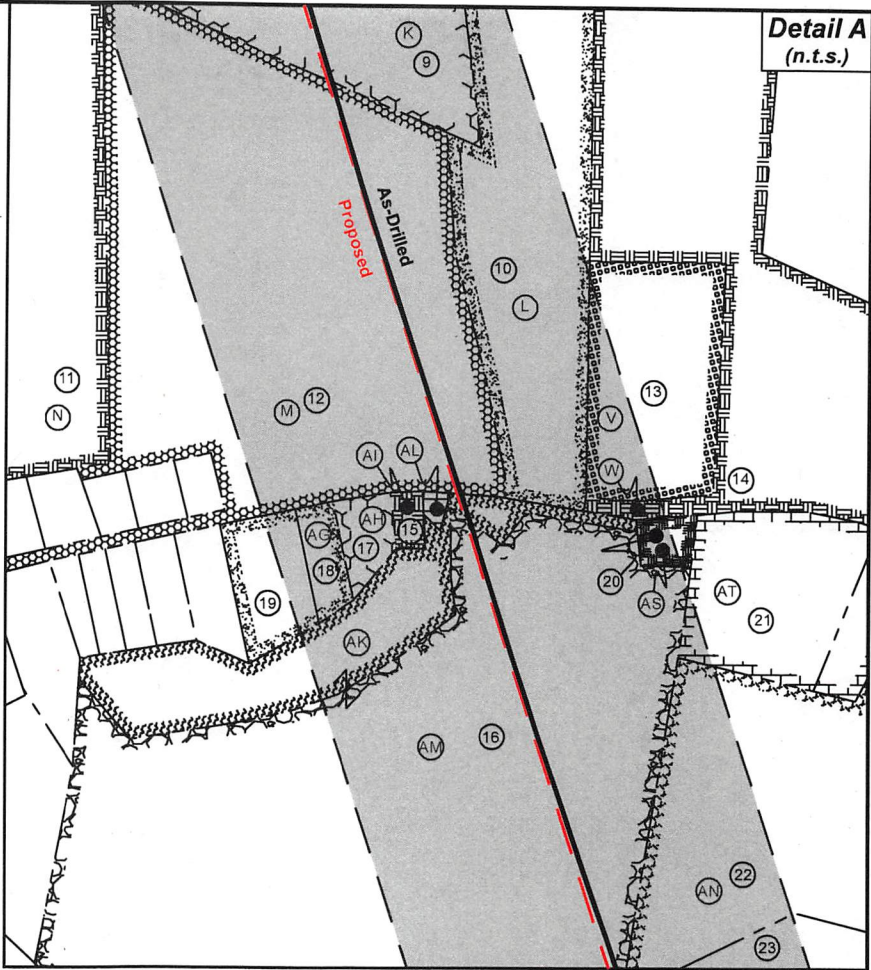
Notes:
Well No. Jessica Unit 3H
As-Drilled POE Coordinates
WV Coordinate System
of 1927, North Zone
N: 386,915.84'
E: 1,591,049.24'
Latitude: 39°33'11.69"
Longitude: 80°57'01.41"
UTM Zone 17, NAD 1983
N: 4,378,183.501m
E: 504,276.760m

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)
- As-Drilled
Jessica Unit 3H
(API# 47-095-02901)
- 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.)



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	8-41	David E. & Ila Grace Kyle	272/189	118.10
6	8-39.1	Gary G. Jr. & Debbie Ann Phillips	404/299	33.13
7	8-59	Burl A. & Colleen Folger	199/135	24.00
8	8-58	Jerry R. Brightwell & Gwendolyn C. Davies	343/841	20.16
9	8-57	Douglas Ray Carson, Jr.	595/111	33.84
10	12-19	Joseph C. & Nancy E. Starkey	217/203	17.00
11	12-17	Lyldie S. & Melodee A. Matheny	504/633	36.00
12	12-18	David E. & Shelley R. Maxwell	307/676	29.04
13	12-20.4	Joseph C. & Nancy E. Starkey	579/666	4.85
14	12-20.2	Shawn M. & Carrie A. Meckley	601/789	30.21
15	12A-24	Holly A. McNeely	213/778	0.26
16	12-41	Shaun M. & Carrie A. Meckley	633/569	43.28
17	12A-23	Kenneth R. Barker	358/801	0.86
18	12A-22	Carolyn A. Landis	WB84/809	0.79
19	12A-21	Carolyn A. Landis	192/451	1.54
20	12-42	Ray T. & Amy S. Fluharty	227/16	0.42
21	12-20	Gary G. Sr. & Mary E. Phillips	308/508	3.82
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STATE OF WEST VIRGINIA
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OIL AND GAS DIVISION



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