

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

API 47-095-02889 County Tyler District Lincoln
Quad Paden City Pad Name Starkey Field/Pool Name ----
Farm name Neil R. Stebbins Well Number Ivory 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 4379889.800m Easting 505968.599m
Landing Point of Curve Northing 4379405.90m Easting 505183.07m
Bottom Hole Northing 4376137.410m Easting 506313.920m

Elevation (ft) 1091' 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 7/3/2024 Date drilling commenced 9/15/2024 Date drilling ceased 11/30/2024
Date completion activities began 1/8/2025 Date completion activities ceased 2/21/2025
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 464' Open mine(s) (Y/N) depths No
Salt water depth(s) ft 1522' 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 RECEIVED Office of Oil and Gas

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Reviewed by:

09/12/2025

API 47- 095 - 02889 Farm name Neil R. Stebbins Well number Ivory 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"	581'	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"	18749'	New	23#, P-110	N/A	Y
Tubing		2-3/8"	6926'		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	513 sx	15.8	1.17		0'	8 Hrs.
Coal							
Intermediate 1	Class C	1300 sx	15.8	1.15	1495	0'	8 Hrs.
Intermediate 2							
Intermediate 3							
Production	Class H	2750 sx (Tail)	13.5 (Lead), 15.3 (Tail)	1.73 (Lead), 1.31 (Tail)	3603	~500' into Intermediate Casing	8 Hrs.
Tubing							

Drillers TD (ft) 18749' MD, 6360' TVD (BHL), 6375' (Deepest Point Drilled) Loggers TD (ft) 18749' MD

Deepest formation penetrated Marcellus Plug back to (ft) N/A

Plug back procedure N/A

Kick off depth (ft) 6291'

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)

***PLEASE SEE ATTACHED EXHIBIT 1**

[illegible]

Please insert additional pages as applicable.

STIMULATION INFORMATION PER STAGE

Complete a separate record for each stimulation stage.

[illegible]

***PLEASE SEE ATTACHED EXHIBIT 2**

[illegible]

Please insert additional pages as applicable.

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Well number Ivory Unit 1H

MD

[illegible]

***PLEASE SEE ATTACHED EXHIBIT 3**

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API 47-095-02889 Farm Name Neil R. Stebbins Well Number Ivory Unit 1H

Exhibit 1

Stage No.	Perforation Date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formations
1	1/8/2025	18692.4	18677.4	36	Marcellus
2	1/9/2025	18639.01839	18475.1103	36	Marcellus
3	1/9/2025	18439.92874	18276.0207	36	Marcellus
4	1/9/2025	18240.83908	18076.931	36	Marcellus
5	1/11/2025	18041.74943	17877.8414	36	Marcellus
6	1/11/2025	17842.65977	17678.7517	36	Marcellus
7	1/11/2025	17643.57011	17479.6621	36	Marcellus
8	1/11/2025	17444.48046	17280.5724	36	Marcellus
9	1/12/2025	17245.3908	17081.4828	36	Marcellus
10	1/12/2025	17046.30115	16882.3931	36	Marcellus
11	1/12/2025	16847.21149	16683.3034	36	Marcellus
12	1/12/2025	16648.12184	16484.2138	36	Marcellus
13	1/12/2025	16449.03218	16285.1241	36	Marcellus
14	1/13/2025	16249.94253	16086.0345	36	Marcellus
15	1/13/2025	16050.85287	15886.9448	36	Marcellus
16	1/13/2025	15851.76322	15687.8552	36	Marcellus
17	1/13/2025	15652.67356	15488.7655	36	Marcellus
18	1/14/2025	15453.58391	15289.6759	36	Marcellus
19	1/14/2025	15254.49425	15090.5862	36	Marcellus
20	1/15/2025	15055.4046	14891.4966	36	Marcellus
21	1/15/2025	14856.31494	14692.4069	36	Marcellus
22	1/15/2025	14657.22529	14493.3172	36	Marcellus
23	1/15/2025	14458.13563	14294.2276	36	Marcellus
24	1/15/2025	14259.04598	14095.1379	36	Marcellus
25	1/16/2025	14059.95632	13896.0483	36	Marcellus
26	1/16/2025	13860.86667	13696.9586	36	Marcellus
27	1/17/2025	13661.77701	13497.869	36	Marcellus
28	1/17/2025	13462.68736	13298.7793	36	Marcellus
29	1/18/2025	13263.5977	13099.6897	36	Marcellus
30	1/18/2025	13064.50805	12900.6	36	Marcellus
31	1/18/2025	12865.41839	12701.5103	36	Marcellus
32	1/19/2025	12666.32874	12502.4207	36	Marcellus
33	1/20/2025	12467.23908	12303.331	36	Marcellus
34	1/20/2025	12268.14943	12104.2414	36	Marcellus
35	1/20/2025	12069.05977	11905.1517	36	Marcellus
36	1/21/2025	11869.97011	11706.0621	36	Marcellus
37	1/21/2025	11670.88046	11506.9724	36	Marcellus
38	1/22/2025	11471.7908	11307.8828	36	Marcellus
39	1/22/2025	11272.70115	11108.7931	36	Marcellus
40	1/22/2025	11073.61149	10909.7034	36	Marcellus
41	1/23/2025	10874.52184	10710.6138	36	Marcellus
42	1/23/2025	10675.43218	10511.5241	36	Marcellus
43	1/24/2025	10476.34253	10312.4345	36	Marcellus
44	1/24/2025	10277.25287	10113.3448	36	Marcellus
45	1/24/2025	10078.16322	9914.25517	36	Marcellus
46	1/25/2025	9879.073563	9715.16552	36	Marcellus
47	1/25/2025	9679.983908	9516.07586	36	Marcellus
48	1/25/2025	9480.894253	9316.98621	36	Marcellus
49	1/26/2025	9281.804598	9117.89655	36	Marcellus
50	1/26/2025	9082.714943	8918.8069	36	Marcellus
51	1/26/2025	8883.625287	8719.71724	36	Marcellus
52	1/27/2025	8684.535632	8520.62759	36	Marcellus
53	1/27/2025	8485.445977	8321.53793	36	Marcellus
54	1/27/2025	8286.356322	8122.44828	36	Marcellus
55	1/28/2025	8087.266667	7923.35862	36	Marcellus
56	1/28/2025	7888.177011	7724.26897	36	Marcellus
57	1/28/2025	7689.087356	7525.17931	36	Marcellus
58	1/29/2025	7489.997701	7326.08966	36	Marcellus
59	1/29/2025	7290.908046	7127	36	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	1/8/2025	93.6	9582.0	8227.5	3276.0	121040	3849.1	N/A
2	1/9/2025	97.1	9502.6	6005.3	4150.4	411980	7255.3	N/A
3	1/9/2025	96.6	9896.3	6913.5	4678.0	407760	7321.5	N/A
4	1/9/2025	97.3	9913.3	6288.3	4516.0	407120	7268.4	N/A
5	1/11/2025	97.3	9832.2	6026.9	3491.0	412760	7557.3	N/A
6	1/11/2025	97.1	9764.9	5796.9	4470.0	414180	7312.2	N/A
7	1/11/2025	96.6	9723.5	6228.6	3323.9	413220	7220.1	N/A
8	1/11/2025	97.4	10013.4	6049.4	3577.9	410340	7028.6	N/A
9	1/12/2025	97.8	9802.7	6295.6	3838.0	399780	6927.2	N/A
10	1/12/2025	96.8	9672.5	6012.4	3748.0	409120	7068.5	N/A
11	1/12/2025	98.0	9766.2	5844.7	4018.0	408540	7105.7	N/A
12	1/12/2025	95.6	9668.3	6168.1	3329.0	409060	7130.0	N/A
13	1/12/2025	97.6	9445.8	5739.7	3885.1	407740	7026.4	N/A
14	1/13/2025	97.7	9347.9	5936.7	3802.0	404000	6978.6	N/A
15	1/13/2025	97.4	9198.9	6061.6	3651.0	404740	6941.7	N/A
16	1/13/2025	97.4	9185.5	5967.3	3728.0	415860	7031.9	N/A
17	1/13/2025	97.9	8815.1	5989.1	4013.2	415780	7048.8	N/A
18	1/14/2025	97.6	9017.4	5868.5	3504.9	413700	6956.3	N/A
19	1/14/2025	98.3	9170.5	6009.1	3869.0	414700	7049.0	N/A
20	1/15/2025	97.8	9006.8	6183.9	3190.0	411100	6969.1	N/A
21	1/15/2025	97.6	8916.3	5990.3	3904.0	412840	7177.5	N/A
22	1/15/2025	97.3	8972.5	6452.0	3996.0	408540	7046.5	N/A
23	1/15/2025	99.0	8710.7	5418.9	3821.0	414680	7022.9	N/A
24	1/15/2025	98.8	9147.2	5642.1	3892.0	410560	6800.4	N/A
25	1/16/2025	98.5	9193.7	6365.3	3162.0	409220	6921.2	N/A
26	1/16/2025	81.8	9255.4	5970.3	4027.0	414220	7970.6	N/A
27	1/17/2025	97.4	8418.0	5259.9	4132.0	409500	6903.0	N/A
28	1/17/2025	99.9	8495.3	5775.6	4059.0	405060	6941.7	N/A
29	1/18/2025	96.7	9015.5	6174.7	5036.0	409360	6801.9	N/A
30	1/18/2025	97.8	8444.1	6186.6	3481.0	406460	6840.2	N/A
31	1/18/2025	91.6	9119.3	6535.5	3920.0	400620	6360.4	N/A
32	1/19/2025	95.0	8546.2	5911.3	3914.0	397980	6884.2	N/A
33	1/20/2025	97.8	8217.9	6459.7	4082.0	399400	6748.6	N/A
34	1/20/2025	99.3	8235.2	6012.9	4007.0	396240	6871.9	N/A
35	1/20/2025	94.0	8364.9	6460.0	4059.0	407240	6730.8	N/A
36	1/21/2025	91.7	8199.3	6147.1	4711.0	396040	6858.1	N/A
37	1/21/2025	95.4	8046.1	6098.4	3817.0	402580	6793.2	N/A
38	1/22/2025	95.5	7777.5	6014.3	3965.0	407400	6818.8	N/A
39	1/22/2025	94.9	7480.8	5792.7	4231.0	404620	6697.8	N/A
40	1/22/2025	98.6	7908.8	6101.2	3863.0	409520	6901.1	N/A
41	1/23/2025	99.2	8503.2	6643.4	3616.0	410340	6832.5	N/A
42	1/23/2025	97.5	7842.0	7072.7	3419.1	408000	6790.2	N/A
43	1/24/2025	98.2	7794.2	6291.0	3657.0	404546	6729.2	N/A
44	1/24/2025	95.9	8129.7	6038.2	3709.0	404360	6655.0	N/A
45	1/24/2025	97.8	8066.6	6035.5	3404.0	410280	6912.1	N/A
46	1/25/2025	95.0	8059.2	6074.1	3718.0	415120	6835.3	N/A
47	1/25/2025	96.8	7790.3	5763.8	3841.0	398460	6583.8	N/A
48	1/25/2025	98.8	7677.8	5754.2	3717.0	411240	6755.3	N/A
49	1/26/2025	98.1	7769.6	6637.0	3712.0	411840	6719.9	N/A
50	1/26/2025	97.1	7446.7	5935.2	2901.3	404300	6546.9	N/A
51	1/26/2025	98.4	7591.7	6521.4	3735.0	409160	6747.4	N/A
52	1/27/2025	96.7	7624.4	6064.3	3958.0	413800	6788.4	N/A
53	1/27/2025	96.9	7453.0	6123.4	3705.0	412800	6613.5	N/A
54	1/27/2025	98.0	7412.4	6262.3	3751.0	418060	6731.7	N/A
55	1/28/2025	97.9	7285.7	6265.2	3484.0	411270	6712.5	N/A
56	1/28/2025	97.2	7105.4	5352.2	3493.0	412720	6607.5	N/A
57	1/28/2025	92.6	6767.0	6673.8	2979.0	410840	6835.9	N/A
58	1/29/2025	98.1	7144.2	6589.4	3028.0	398370.0	6813.5	N/A
59	1/29/2025	97.1	6853.7	7123.5	3576.0	417740.0	6813.0	N/A
	AVERAGE	97	8,561	6,163	3,789	23,817,846	405,160	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
Silty Sandstone	570	720	570	720
Sandstone, Occ Limestone, tr coal	720	820	720	820
Sandstone, Siltstone	820	1,020	820	1,020
Silty Sandstone	920	1,120	920	1,120
Sandstone, Occ Siltstone	1,020	1,120	1,020	1,120
Silty Sandstone	1,120	1,220	1,120	1,220
Sandstone, Siltstone	1,220	1,320	1,220	1,320
Silty Sandstone	1,320	1,420	1,320	1,420
Sandstone, Occ Siltstone	1,420	1,520	1,420	1,520
Silty Sandstone	1,520	1,620	1,520	1,620
Sandstone, Siltstone	1,620	1,720	1,620	1,720
Silty Sandstone	1,720	1,770	1,720	1,770
Silty Sandstone, occ Limestone	1,770	1,825	1,770	1,916
Big Lime	1,855	2,696	1,916	2,924
Fifty Foot Sandstone	2,696	2,744	2,894	2,979
Gordon	2,744	2,893	2,949	3,152
Fifth Sandstone	2,893	3,260	3,122	3,575
Bayard	3,260	3,918	3,545	4,333
Speechley	3,918	4,182	4,303	4,640
Balltown	4,182	4,586	4,610	5,116
Bradford	4,586	4,906	5,086	5,492
Benson	4,906	5,090	5,462	5,709
Alexander	5,090	6,081	5,679	6,897
Sycamore	5,953	6,051	6,728	6,867
Middlesex	6,051	6,135	6,867	7,016
Burkett	6,135	6,161	7,016	7,075
Marcellus	6,161	NA	7,075	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:	01/08/2025
Job End Date:	01/29/2025
State:	West Virginia
County:	Tyler
API Number:	47-095-02889-00-00
Operator Name:	Antero Resources Corporation
Well Name and Number:	IVORY UNIT 1H
Latitude:	39.568611
Longitude:	-80.930686
Datum:	NAD27
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	6375
Total Base Water Volume (gal)*:	17743649
Total Base Non Water Volume:	0



Water Source	Percent
Produced Water	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
Excelerate LX-21	Halliburton	Friction Reducer					
HAI-501	Halliburton	Acid Corrosion Inhibitor					
HYDROCHLORIC ACID,15%	Halliburton	Solvent					
LCA-1	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					

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

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

			Water	7732-18-5	100.00000	86.43198	None
			Crystalline silica, quartz	14808-60-7	100.00000	13.18415	None
			Water	7732-18-5	85.00000	0.30962	None
			Hydrochloric acid	7647-01-0	15.00000	0.04925	None
			Complex amine compound	Proprietary	60.00000	0.02500	None
			Hydrotreated distillate	Proprietary	100.00000	0.01250	None
			Guar gum	9000-30-0	100.00000	0.00555	None
			Glutaraldehyde	111-30-8	30.00000	0.00238	None
			Ammonium chloride	12125-02-9	5.00000	0.00208	None
			Ethoxylated alcohol	Proprietary	5.00000	0.00208	None
			Fatty nitrogen derived amides	Proprietary	5.00000	0.00208	None
			Sorbitan, mono-9-octadecenoate, (Z)	1338-43-8	1.00000	0.00042	None
			Sorbitan monooleate polyoxyethylene derivative	9005-65-6	1.00000	0.00042	None
			Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	68424-85-1	5.00000	0.00040	None
			Methanol	67-56-1	100.00000	0.00024	None
			Ammonium persulfate	7727-54-0	100.00000	0.00019	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	0.00006	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

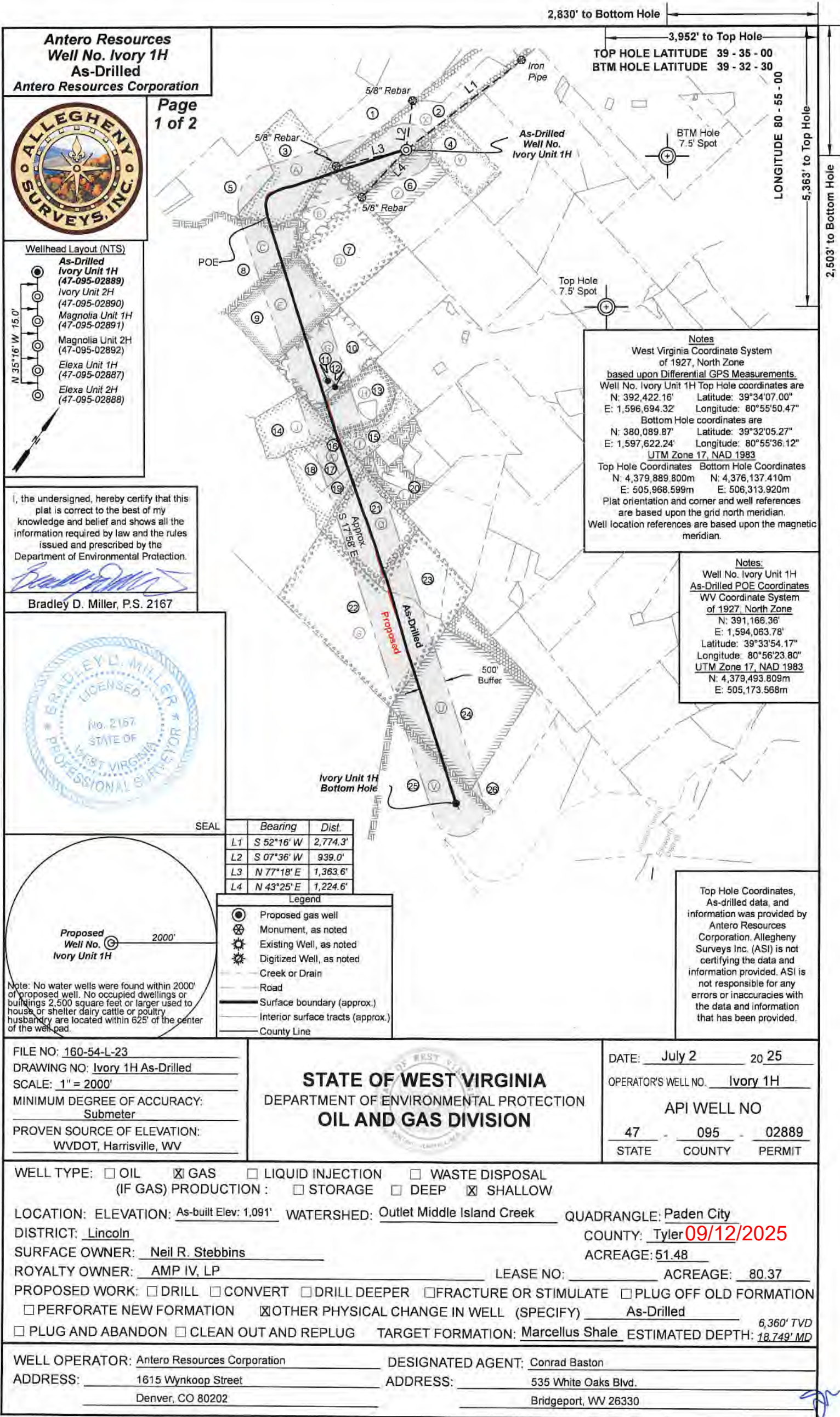
09/12/2025

* 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.

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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ID	TM-Par	Owner	Bk/Pg	Acres
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4	5-12	Robert F. & Rita K. Scardina	320/646	25.00
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13	8-26	Delbert D. & Betty Ruth Rush	191/125	20.65
14	8-27	Sharon M. & Jeffrey Darrin Deaton	349/176	24.652
15	9-12	Betty Ruth Rush	162/25	23.00
16	8-30.4	Rada Ann Weekley	OR135/379	5.007
17	8-30.1	Rada Ann Weekley	WB30/516	5.007
18	8-30.3	Coy L. Moffitt	10/439	6.772
19	8-30.2	Nevin J. Moffitt	332/25	16.380
20	9-14	Donal Lee & Ronal Wayne Rush	368/825	32.71
21	9-22	GR Meckley Family Trust	OR50/28	43.75
22	8-61	GR Meckley Family Trust	OR50/28	106.51
23	9-45	GR Meckley Family Trust	OR50/608	26.05
24	13-1	GR Meckley Family Trust	OR50/28	99.00
25	13-9.6	GR Meckley Family Trust	OR50/28	65.48
26	13-5	GR Meckley Family Trust	OR50/28	31.50

FILE NO: 160-54-L-23
DRAWING NO: Ivory 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 2, 2025
OPERATOR'S WELL NO: Ivory 1H
API WELL NO
47 - 095 - 02889
STATE COUNTY PERMIT

WELL TYPE: ☐ OIL ☒ GAS ☐ LIQUID INJECTION ☐ WASTE DISPOSAL
(IF GAS) PRODUCTION: ☐ STORAGE ☐ DEEP ☒ SHALLOW
LOCATION: ELEVATION: As-built Elev: 1,091' WATERSHED: Outlet Middle Island Creek QUADRANGLE: Paden City
DISTRICT: Lincoln COUNTY: Tyler
SURFACE OWNER: Neil R. Stebbins ACREAGE: 51.48
ROYALTY OWNER: AMP IV, LP LEASE NO: ACREAGE: 80.37
PROPOSED WORK: ☐ DRILL ☐ CONVERT ☐ DRILL DEEPER ☐ FRACTURE OR STIMULATE ☐ PLUG OFF OLD FORMATION
☐ PERFORATE NEW FORMATION ☒ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) As-Drilled
☐ PLUG AND ABANDON ☐ CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 6,360' TVD
18,749' MD

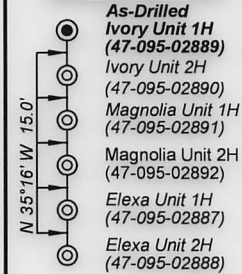
WELL OPERATOR: Antero Resources Corporation DESIGNATED AGENT: Conrad Baston
ADDRESS: 1615 Wynkoop Street ADDRESS: 535 White Oaks Blvd.
Denver, CO 80202 Bridgeport, WV 26330

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



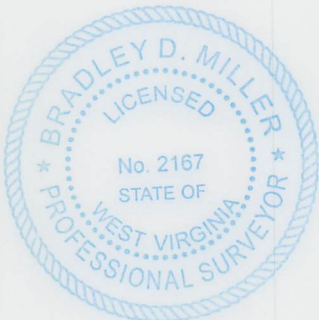
Page
1 of 2

Wellhead Layout (NTS)

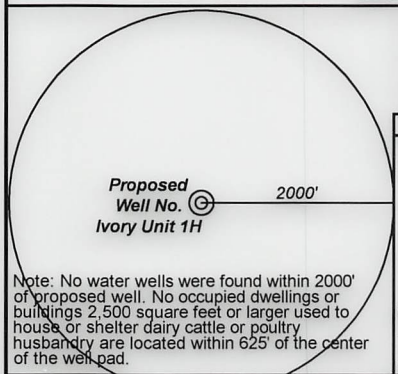


I, the undersigned, hereby certify that this plat is correct to the best of my knowledge and belief and shows all the information required by law and the rules issued and prescribed by the Department of Environmental Protection.

Bradley D. Miller, P.S. 2167



SEAL



	Bearing	Dist.
L1	S 52°16' W	2,774.3'
L2	S 07°36' W	939.0'
L3	N 77°18' E	1,363.6'
L4	N 43°25' E	1,224.6'

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.)
- County Line

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STATE OF WEST VIRGINIA
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☐ PLUG AND ABANDON ☐ CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 6,360' TVD 18,749' MD

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2,830' to Bottom Hole

3,952' to Top Hole

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

LONGITUDE 80 - 55 - 00

5,363' to Top Hole

2,503' to Bottom Hole

Notes

West Virginia Coordinate System of 1927, North Zone
based upon Differential GPS Measurements.
Well No. Ivory Unit 1H Top Hole coordinates are
N: 392,422.16' Latitude: 39°34'07.00"
E: 1,596,694.32' Longitude: 80°55'50.47"
Bottom Hole coordinates are
N: 380,089.87' Latitude: 39°32'05.27"
E: 1,597,622.24' Longitude: 80°55'36.12"
UTM Zone 17, NAD 1983
Top Hole Coordinates Bottom Hole Coordinates
N: 4,379,889.800m N: 4,376,137.410m
E: 505,968.599m E: 506,313.920m
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. Ivory Unit 1H
As-Drilled POE Coordinates
WV Coordinate System of 1927, North Zone
N: 391,166.36'
E: 1,594,063.78'
Latitude: 39°33'54.17"
Longitude: 80°56'23.80"
UTM Zone 17, NAD 1983
N: 4,379,493.809m
E: 505,173.568m

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.



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