

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

API 47 - 095 - 02895 County THL: Tyler, BHL: Pleasants District THL: Meade, BHL: Union
Quad Bens Run Pad Name Wrigley Pad Field/Pool Name ----
Farm name Shirley J. Wells & Susie Cunningham Well Number Rata 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 4363538.807m Easting 499311.529m
Landing Point of Curve Northing 4363695.60m Easting 499162.78m
Bottom Hole Northing 4368168.765m Easting 497565.093m

Elevation (ft) 937' 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 7/24/24 Date drilling commenced 9/25/2024 Date drilling ceased 11/19/2024
Date completion activities began 12/21/2024 Date completion activities ceased 1/22/2025
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 397' Open mine(s) (Y/N) depths No
Salt water depth(s) ft 1436', 1847' 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:

09/19/2025

API 47- 095 - 02895 Farm name Shirley J. Wells & Susie Cunningham Well number Rata 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"	125.5'	New	91.59#, J-55	N/A	Y
Surface	17-1/2"	13-3/8"	497'	New	54.5#, J-55	N/A	Y
Coal							
Intermediate 1	12-3/8"	9-5/8"	3253'	New	36#, J-55	N/A	Y
Intermediate 2							
Intermediate 3							
Production	8-3/4"/8-1/2"	5-1/2"	22216'	New	23#, P-110	N/A	Y
Tubing		2-3/8"	6088'		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	158 sx	15.6	1.18	186	0'	8 Hrs.
Surface	Class A	447 sx	15.6	1.19	532	0'	8 Hrs.
Coal							
Intermediate 1	Class H	sx	15.6			0'	8 Hrs.
Intermediate 2							
Intermediate 3							
Production	Class G	5515 sx (Lead)	13.5 (Lead), 15.2 (Tail)	1.26 (Lead)	6949	~500' into Intermediate Casing	8 Hrs.
Tubing							

Drillers TD (ft) 22216' MD, 6013' TVD (BHL), 6071' (Deepest Point Drilled) Loggers TD (ft) 22216' MD
Deepest formation penetrated Marcellus Plug back to (ft) N/A
Plug back procedure N/A

Kick off depth (ft) 6049'

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

09/19/2025

API 47- 095 - 02895 Farm name Shirley J. Wells & Susie Cunningham Well number Rata Unit 1H

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.

09/19/2025

Farm name Shirley J. Wells & Susie Cunningham Well number Rata Unit 1H

DEPTHS

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

OPEN FLOW	Gas	Oil	NGL	Water	GAS MEASURED BY		
	14471.47 mcfpd	439.48 bpd	— bpd	1519.81 bpd	☐ Estimated	☒ Orifice	☐ Pilot

[illegible]

***PLEASE SEE ATTACHED EXHIBIT 3**

[illegible]

WV Department of
Environmental Protection

Address	912 N Eagle Valley Rd	City	Howard	State	PA	Zip	16841
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Address	80 Emerson Ln #1307	City	Bridgeville	State	PA	Zip	15017
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Address	5599 San Felipe St Fl 17	City	Houston	State	TX	Zip	77056
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Address	3000 W. Sam Houston Pkwy	City	Houston	State	TX	Zip	76114
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Completed by Carly Wren

Telephone 303-357-7373

Signature Carly Wren Title Permitting Agent Date 4/14/2025

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

09/19/2025



API 47-095-02895 Farm Name Shirley J. Wells & Sonie Cunningham Well Number Rata Unit 1H					
Exhibit 1					
Stage No.	Perforation Date	Perforated from MD ft	Perforated to MD ft	Number of Perforations	Formations
1	12/21/2024	22161	22145	36	Marcellus
2	12/21/2024	22106.51477	21941.0886	36	Marcellus
3	12/21/2024	21905.60338	21740.1772	36	Marcellus
4	12/21/2024	21704.69198	21539.2658	36	Marcellus
5	12/22/2024	21503.78059	21338.3544	36	Marcellus
6	12/22/2024	21302.8692	21137.443	36	Marcellus
7	12/22/2024	21101.95781	20936.5316	36	Marcellus
8	12/23/2024	20901.04641	20735.6203	36	Marcellus
9	12/23/2024	20700.13502	20534.7089	36	Marcellus
10	12/23/2024	20499.22363	20333.7975	36	Marcellus
11	12/23/2024	20298.31224	20132.8861	36	Marcellus
12	12/23/2024	20097.40084	19931.9747	36	Marcellus
13	12/24/2024	19896.48945	19731.0633	36	Marcellus
14	12/24/2024	19695.57806	19530.1519	36	Marcellus
15	12/24/2024	19494.66667	19329.2405	36	Marcellus
16	12/24/2024	19293.75527	19128.3291	36	Marcellus
17	12/25/2024	19092.84388	18927.4177	36	Marcellus
18	12/25/2024	18891.93249	18726.5063	36	Marcellus
19	12/25/2024	18691.0211	18525.5949	36	Marcellus
20	12/25/2024	18490.1097	18324.6835	36	Marcellus
21	12/25/2024	18289.19831	18123.7722	36	Marcellus
22	12/26/2024	18088.28692	17922.8608	36	Marcellus
23	12/26/2024	17887.37553	17721.9494	36	Marcellus
24	12/26/2024	17686.46414	17521.038	36	Marcellus
25	12/26/2024	17485.55274	17320.1266	36	Marcellus
26	12/26/2024	17284.64135	17119.2152	36	Marcellus
27	12/27/2024	17083.72996	16918.3038	36	Marcellus
28	12/27/2024	16882.81857	16717.3924	36	Marcellus
29	12/27/2024	16681.90717	16516.481	36	Marcellus
30	12/27/2024	16480.99578	16315.5696	36	Marcellus
31	12/27/2024	16280.08439	16114.6582	36	Marcellus
32	12/28/2024	16079.173	15913.7468	36	Marcellus
33	12/28/2024	15878.2616	15712.8354	36	Marcellus
34	12/28/2024	15677.35021	15511.9241	36	Marcellus
35	12/28/2024	15476.43882	15311.0127	36	Marcellus
36	12/28/2024	15275.52743	15110.1013	36	Marcellus
37	12/29/2024	15074.61603	14909.1899	36	Marcellus
38	12/29/2024	14873.70464	14708.2785	36	Marcellus
39	12/29/2024	14672.79325	14507.3671	36	Marcellus
40	12/29/2024	14471.88186	14306.4557	36	Marcellus
41	12/29/2024	14270.97046	14105.5443	36	Marcellus
42	12/30/2024	14070.05907	13904.6329	36	Marcellus
43	12/30/2024	13869.14768	13703.7215	36	Marcellus
44	12/30/2024	13668.23629	13502.8101	36	Marcellus
45	12/30/2024	13467.32489	13301.8987	36	Marcellus
46	12/31/2024	13266.4135	13100.9873	36	Marcellus
47	12/31/2024	13065.50211	12900.0759	36	Marcellus
48	12/31/2024	12864.59072	12699.1646	36	Marcellus
49	12/31/2024	12663.67932	12498.2532	36	Marcellus
50	12/31/2024	12462.76793	12297.3418	36	Marcellus
51	1/1/2025	12261.85654	12096.4304	36	Marcellus
52	1/1/2025	12060.94515	11895.519	36	Marcellus
53	1/1/2025	11860.03376	11694.6076	36	Marcellus
54	1/1/2025	11659.12236	11493.6962	36	Marcellus
55	1/1/2025	11458.21097	11292.7848	36	Marcellus
56	1/2/2025	11257.29958	11091.8734	36	Marcellus
57	1/2/2025	11056.38819	10890.962	36	Marcellus
58	1/2/2025	10855.47679	10690.0506	36	Marcellus
59	1/2/2025	10654.5654	10489.1392	36	Marcellus
60	1/2/2025	10453.65401	10288.2278	36	Marcellus
61	1/2/2025	10252.74262	10087.3165	36	Marcellus
62	1/3/2025	10051.83122	9886.40506	36	Marcellus
63	1/3/2025	9850.919831	9685.49367	36	Marcellus
64	1/3/2025	9650.008439	9484.58228	36	Marcellus
65	1/3/2025	9449.097046	9283.67089	36	Marcellus
66	1/3/2025	9248.185654	9082.75949	36	Marcellus
67	1/3/2025	9047.274262	8881.8481	36	Marcellus
68	1/4/2025	8846.362869	8680.93671	36	Marcellus
69	1/4/2025	8645.451477	8480.02532	36	Marcellus
70	1/4/2025	8444.540084	8279.11392	36	Marcellus
71	1/4/2025	8243.628692	8078.20253	36	Marcellus
72	1/4/2025	8042.7173	7877.29114	36	Marcellus
73	1/4/2025	7841.805907	7676.37975	36	Marcellus
74	1/5/2025	7640.894515	7475.46835	36	Marcellus
75	1/5/2025	7439.983122	7274.55696	36	Marcellus
76	1/5/2025	7239.07173	7073.64557	36	Marcellus
77	1/5/2025	7038.160338	6872.73418	36	Marcellus
78	1/5/2025	6837.248945	6671.82278	36	Marcellus
79	1/5/2025	6636.337553	6470.91139	36	Marcellus
80	1/5/2025	6435.42616	6270	36	Marcellus
81	9/3/2023	8321.045635	8154.7619	36	Marcellus
82	9/3/2023	8119.105159	7952.82143	36	Marcellus
83	9/4/2023	7917.164683	7750.88095	36	Marcellus
84	9/4/2023	7715.224206	7548.94048	36	Marcellus
85	9/4/2023	7513.28373	7347	36	Marcellus

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API 47-095-02895 Farm Name Shirley J. Wells & Susie Cunningham Well Number Rata 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	12/21/2024	79.7	10388.4	0.0	3577.9	168260	4968.1	N/A
2	12/21/2024	94.4	10508.5	5233.4	4531.0	396370	7244.9	N/A
3	12/21/2024	93.5	10281.9	5748.9	3956.0	394530	7083.5	N/A
4	12/21/2024	86.7	9823.4	5587.7	3296.0	408100	7247.9	N/A
5	12/22/2024	87.5	9455.5	5680.5	3725.0	397210	8924.4	N/A
6	12/22/2024	90.9	9922.8	5460.3	3158.2	416180	7398.9	N/A
7	12/22/2024	95.0	9982.4	5684.4	4012.0	415820	7596.0	N/A
8	12/23/2024	96.3	10064.7	5530.8	4231.0	399500	7331.0	N/A
9	12/23/2024	96.6	9747.8	5663.4	4758.0	398020	7580.2	N/A
10	12/23/2024	97.5	9833.6	5404.8	4843.0	406600	7156.5	N/A
11	12/23/2024	96.9	9772.5	5448.9	3942.4	396610	6867.7	N/A
12	12/23/2024	96.2	9941.4	5648.7	3755.5	411480	7145.2	N/A
13	12/24/2024	98.4	10022.8	6600.3	3747.6	411860	7187.9	N/A
14	12/24/2024	97.0	9538.0	4195.5	4114.7	414540	7243.6	N/A
15	12/24/2024	97.8	9546.3	5102.7	4293.0	396470	7469.3	N/A
16	12/24/2024	92.4	9866.4	5220.5	4125.5	415660	7423.5	N/A
17	12/25/2024	96.3	9639.9	5443.8	4336.0	397850	7141.8	N/A
18	12/25/2024	97.4	9569.5	5084.6	3556.0	394710	7032.6	N/A
19	12/25/2024	95.6	9284.7	4568.4	5304.0	400040	6959.8	N/A
20	12/25/2024	97.9	9685.1	5592.6	4321.0	402300	7047.7	N/A
21	12/25/2024	97.6	9894.0	5429.9	4096.0	396920	6902.0	N/A
22	12/26/2024	89.4	9089.0	5594.3	3679.0	414900	7131.7	N/A
23	12/26/2024	98.1	9507.8	5431.2	5014.0	396600	7131.6	N/A
24	12/26/2024	98.1	9424.7	5757.4	5211.0	397800	6878.7	N/A
25	12/26/2024	98.8	9743.6	5698.3	3236.6	417380	7030.9	N/A
26	12/26/2024	98.3	9567.3	5412.0	4156.0	395570	6727.6	N/A
27	12/27/2024	98.2	9244.3	5262.9	3798.0	397580	6837.6	N/A
28	12/27/2024	99.0	9167.5	5427.1	3885.0	396330	7009.9	N/A
29	12/27/2024	98.9	9268.1	5250.8	4488.0	416080	7215.5	N/A
30	12/27/2024	95.6	9389.0	5516.7	3785.0	417740	6947.1	N/A
31	12/27/2024	99.1	9067.3	5256.5	3821.0	396878	6744.4	N/A
32	12/28/2024	98.8	9197.7	5307.0	3856.0	399080	6765.4	N/A
33	12/28/2024	97.7	8982.7	5522.5	3963.4	396180	6974.4	N/A
34	12/28/2024	93.4	8608.5	5590.1	4358.0	398750	6965.5	N/A
35	12/28/2024	96.3	8912.6	5541.4	3988.0	413460	7062.0	N/A
36	12/28/2024	97.7	8674.2	5653.4	3897.0	412380	6918.6	N/A
37	12/29/2024	97.5	9001.5	5281.5	3990.0	396990	6766.6	N/A
38	12/29/2024	97.7	8782.6	5439.0	4757.0	396498	6862.2	N/A
39	12/29/2024	97.6	8792.8	5582.8	3804.0	399850	7156.4	N/A
40	12/29/2024	97.7	8455.1	5440.9	3998.0	400210	6893.5	N/A
41	12/29/2024	97.5	8485.4	5634.5	3256.0	400500	7473.0	N/A
42	12/30/2024	97.0	8959.7	5950.0	3999.0	395550	6737.1	N/A
43	12/30/2024	98.0	8620.6	5454.1	4232.0	396850	6991.8	N/A
44	12/30/2024	98.6	8731.8	5502.4	4128.0	398260	6867.6	N/A
45	12/30/2024	98.5	8514.1	5369.4	3856.0	416300	6945.0	N/A
46	12/31/2024	93.2	8663.0	5762.1	3811.0	395290	6701.7	N/A
47	12/31/2024	97.1	8293.9	5694.5	3450.0	395300	6837.3	N/A
48	12/31/2024	97.7	8602.2	5426.1	3450.0	414680	6909.0	N/A
49	12/31/2024	97.7	8258.0	0.0	4344.0	396180	6750.5	N/A
50	12/31/2024	97.7	8203.9	5300.9	4104.0	400480	6723.9	N/A
51	1/1/2025	97.9	8049.1	5306.7	4566.0	414560	6926.6	N/A
52	1/1/2025	97.7	8134.5	5471.0	4750.0	392680	6733.6	N/A
53	1/1/2025	99.3	8097.1	5474.0	4023.0	408660	7647.3	N/A
54	1/1/2025	99.5	8120.8	0.0	3426.0	409140	6809.1	N/A
55	1/1/2025	98.5	7985.8	5722.9	4506.0	411800	6957.7	N/A
56	1/2/2025	98.9	7922.8	5475.7	4309.0	392870	7157.1	N/A
57	1/2/2025	96.7	8592.2	5381.0	4713.0	415740	6891.7	N/A
58	1/2/2025	98.4	7854.0	5740.3	3778.0	394950.0	6512.2	N/A
59	1/2/2025	99.4	7843.1	5722.9	4051.0	394520.0	6587.7	N/A
60	1/2/2025	98.7	7659.4	5573.1	4313.0	396030.0	6708.8	N/A
61	1/2/2025	98.7	7547.1	5499.5	4350.0	401000.0	6703.4	N/A
62	1/3/2025	98.7	7933.3	5735.3	4106.0	400310.0	6667.0	N/A
63	1/3/2025	98.3	7648.3	5695.6	5013.0	393860.0	6657.0	N/A
64	1/3/2025	99.4	7582.4	5591.3	4674.0	414140.0	6655.6	N/A
65	1/3/2025	99.0	7717.6	6021.9	3825.0	395660.0	6660.1	N/A
66	1/3/2025	98.3	7569.2	5873.2	4077.0	416760.0	7752.3	N/A
67	1/3/2025	97.8	7489.6	5900.9	4135.0	408340.0	6848.9	N/A
68	1/4/2025	98.0	7456.8	5977.0	4109.0	394370.0	6582.8	N/A
69	1/4/2025	99.0	7399.7	5444.7	4377.0	397110.0	6580.1	N/A
70	1/4/2025	99.9	7512.4	5798.4	4248.0	411280.0	6768.6	N/A
71	1/4/2025	99.5	7557.7	5940.8	4224.0	412780.0	6938.2	N/A
72	1/4/2025	100.6	7389.0	5685.6	4490.0	415920.0	6883.0	N/A
73	1/4/2025	97.4	7169.4	5321.2	4636.0	401022.0	6527.6	N/A
74	1/5/2025	97.7	7370.4	5799.6	4063.0	414420.0	6935.5	N/A
75	1/5/2025	97.4	7295.5	5852.4	4461.0	398990.0	6764.6	N/A
76	1/5/2025	98.3	7155.4	5945.5	3553.0	413200.0	6850.1	N/A
77	1/5/2025	99.5	7376.7	0.0	4082.0	394940.0	6840.9	N/A
78	1/5/2025	99.2	6978.1	6315.1	3991.0	413740.0	6613.9	N/A
79	1/5/2025	98.5	7401.1	7007.7	3842.0	398920.0	6529.0	N/A
80	1/5/2025	98.9	6666.2	5921.4	3779.0	415520.0	6727.7	N/A
	AVERAGE	97	8,667	5,295	4,105	32,051,908	556,328	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	524	624	524	624
Sandstone, Occ Siltstone	624	724	624	724
Silty Sandstone, tr Shale	724	874	724	874
Siltstone, tr Shale, tr LS	824	924	824	924
Siltstone, tr Shale	874	924	874	924
Siltstone, tr Sandstone, tr LS	924	974	924	974
Siltstone, tr Sandstone, rr LS	974	1,074	974	1,074
Sandstone	1,074	1,274	1,074	1,274
Sandstone, Occ Siltstone, Tr Coal	1,274	1,374	1,274	1,374
Silty Sandstone, tr Coal	1,374	1,474	1,374	1,474
Sandstone, tr Coal	1,474	1,574	1,474	1,574
Sandstone	1,574	1,674	1,574	1,674
Sandstone, tr Siltstone	1,674	1,724	1,674	1,724
Sandstone, rr Siltstone	1,724	1,774	1,724	1,774
Limestone, rr Sandstone, tr Shale	1,774	1,726	1,774	1,737
Big Lime	1,752	2,352	1,737	2,369
Fifty Foot Sandstone	2,352	2,592	2,343	2,612
Gordon	2,592	2,791	2,586	2,813
Fifth Sandstone	2,791	3,153	2,787	3,178
Bayard	3,153	3,768	3,152	3,796
Speechley	3,768	4,029	3,770	4,057
Balltown	4,029	4,351	4,031	4,379
Bradford	4,351	4,637	4,353	4,664
Benson	4,637	4,777	4,638	4,804
Alexander	4,777	5,948	4,778	6,054
Sycamore	5,828	5,922	5,897	6,028
Middlesex	5,922	5,997	6,028	6,168
Burkett	5,997	6,019	6,168	6,222
Marcellus	6,019	NA	6,222	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:	12/21/2024
Job End Date:	01/05/2025
State:	West Virginia
County:	Tyler
API Number:	47-095-02895-00-00
Operator Name:	Antero Resources Corporation
Well Name and Number:	RATA UNIT 1H
Latitude:	39.421382
Longitude:	-81.008002
Datum:	WGS84
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	6095
Total Base Water Volume (gal)*:	24408120
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
Exceletrate LX-21	Halliburton	Friction Reducer					
FDP-S1470-23	Halliburton	Friction Reducer					
HAI-501	Halliburton	Acid Corrosion Inhibitor					
HYDROCHLORIC ACID, 22 BAUME	Halliburton	Solvent					
HYDROCHLORIC ACID, 28%	Halliburton	Solvent					
MC B-8123	MultiChem	Biocide					
OPTIFLO-II DELAYED RELEASE BREAKER	Halliburton	Breaker					
Produced Water (Density 8.8)	Operator	Base Fluid					
Sand-Common White-100 Mesh,	Halliburton	Proppant					

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Handwritten signature

SSA-2							
WG-36 GELLING AGENT	Halliburton	Gelling Agent					
Items above are Trade Names. Items below are the individual ingredients.							
			Water	7732-18-5	100.00000	86.84848	None
			Crystalline silica, quartz	14808-60-7	100.00000	12.95984	None
			Water	7732-18-5	100.00000	0.16434	None
			Hydrochloric acid	7647-01-0	30.00000	0.04072	None
			Complex amine compound	Proprietary	60.00000	0.01982	None
			Hydrotreated distillate	Proprietary	30.00000	0.00991	None
			Ethanaminium, N,N,N-trimethyl-2-(1-oxo-2-propen-1-yl)oxy-, chloride (1:1), polymer with 2-propenamide	69418-26-4	60.00000	0.00658	None
			Guar gum	9000-30-0	100.00000	0.00376	None
			Hydrotreated light petroleum distillates	64742-47-8	30.00000	0.00329	None
			Glutaraldehyde	111-30-8	30.00000	0.00235	None
			Ammonium chloride	12125-02-9	5.00000	0.00220	None
			Fatty nitrogen derived amides	Proprietary	5.00000	0.00165	None
			Ethoxylated alcohol	Proprietary	5.00000	0.00165	None
			Amides, tall-oil fatty, N,N-bis(hydroxyethyl)	68155-20-4	5.00000	0.00055	None
			Ethoxylated branched C13 alcohol	78330-21-9	5.00000	0.00055	None
			Sorbitan monooleate polyoxyethylene derivative	9005-65-6	1.00000	0.00044	None
			Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	68424-85-1	5.00000	0.00039	None
			Sorbitan, mono-9-octadecenoate, (Z)	1338-43-8	1.00000	0.00033	None
			Methanol	67-56-1	100.00000	0.00024	None
			Ammonium persulfate	7727-54-0	100.00000	0.00012	None
			Sorbitan, mono-9-octadecenoate, (Z)	1338-43-8	1.00000	0.00011	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

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			Modified thiourea polymer	Proprietary	30.00000	0.00007	None
			Oxylated phenolic resin	Proprietary	30.00000	0.00003	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

* 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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Scale: 5" / 100'
Measured Depth Log

APR 25 2025

Well Name Antero Resources Rata Unit 1H Horizontal

Location Meade District, Bens Run Quadrangle

State West Virginia

Country USA

API Number 47-095-02895

Geographic Region Appalachian

Spud Date 10 November 2024

Surface Coordinates Latitude: 39.421297° N
Longitude: 81.008176° W

Bottom Hole Coordinates Bottom Hole Location: 15,195.07' North & 5,732.73' West of surface location

Closure Distance: 16,240.51'
Closure Direction: 339.33°

Ground Elevation 937'

Logged Interval 5,390'

To 22,216'

K.B. Elevation 962.5'

Total Depth 22,216'

Formation Alexander to Marcellus

Type of Drilling Fluid Synthetic oil-based mud

WV Department of
Environmental Protection

Company Antero Resources
Address 1615 Wynkoop Street
Denver, CO 80202

09/09/2025



Name Raven Twist, Jerry Sh
Company Raptor Consulting, Inc
Address 80 Emerson Lane, Sui
(412) 221-4499; geolo



Operator



Other

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Surface Casing: 13 3/8" OD, 12.615" ID, 54.5#, set to 1,039'
Intermediate Casing: 9 5/8" OD, 8.92" ID, 36.0#, set to 3,138'
Operations Geologist: Marina Lee, Tom Juele

Company Man: Matt Honeycutt, Chance Darkow

Toolpusher: Greg Wallis

Rig: H&P 317

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Formation Tops:	MD:	TVD:	VS:	Sub-Sea:
Alexander:	4,999'	4,971.55'	-144.12'	-4,008.55'
Three Finger:	5,750'	5,708.90'	-61.29'	-4,745.90'
Upper Ear:	5,816'	5,766.73'	-29.92'	-4,803.73'
Lower Ear:	5,853'	5,798.04'	-10.39'	-4,835.04'
Sycamore:	5,932'	5,861.04'	36.49'	-4,898.04'
Middlesex:	6,060'	5,951.84'	125.11'	-4,988.84'
Burkett:	6,195'	6,023.58'	237.30'	-5,060.58'
Marcellus:	6,274'	6,053.93'	309.02'	-5,090.93'

Geologist

inn

2.

ite 1307 Bridgeville, PA 15017
gy@raptorconsulting.com



Rock Types

UNKNOWN	ANHYDRITE	LIMESTONE	SHALE
GYPSUM	DOLOMITIC LIMESTONE	SHALE GRAY	
SALT	DOLOMITE	SHALE COLORED	
SIDERITE or LIMONITE	ARGILLACEOUS DOLOMITE	SANDSTONE	
CALCAREOUS DOLOMITE	CHERT	SILTSTONE	
ARGILLACEOUS LIMESTONE	COAL	CONGLOMERATE	
SHALE BLACK	MARLSTONE	BRECCIA	
	CLAYSTONE		

Accessories

Fossils	Minerals	Stringer
ALGAE	ANHYDRITE	ANHYDRITE STRINGER
AMPHIPORA	ARGILLACEOUS	BENTONITE STRINGER
BELEMNITE	ARGILLITE GRAIN	COAL STRINGER
BIOCLASTIC	B BENTONITE	DOLOMITE STRINGER
BRACHIOPOD	BITUMENOUS SUBSTANCE	GYPSUM STRINGER
BRYOZOA	BRECCIA FRAGMENTS	LIMESTONE STRINGER
CEPHALOPOD	CALCAREOUS	MARLSTONE (CALC) STRG
CORAL	CARBONACEOUS FLAKES	MARLSTONE (DOL) STRG
CRINOID	CHTDK	SANDSTONE STRINGER
ECHINOID	CHTLT	SHALE STRINGER
FISH	COAL - THIN BEDS	SILTSTONE STRINGER
FORAMINIFERA	DOLOMITIC	BLACK SHALE
F FOSSIL	FELDSPAR	
GASTROPOD	FERRUGINOUS PELLET	
OOLITE	FERRUGINOUS	
OSTRACOD	GLAUCONITE	
PELECYPOD	GYPSIFEROUS	
PELLET	HEAVY MINERAL	
PISOLITE	K KAOLIN	
PLANT REMAINS	MARLSTONE	
PLANT SPORES	MINERAL CRYSTALS	
SCAPHOPOD	NODULES	
STROMATOPOROID	PHOSPHATE PELLETS	
	P PYRITE	
	SALT CAST	
	SANDY	
	SILICEOUS	
	SILTY	
	TUFFACEOUS	
	h HEMATITE	

- TILL
- BENTONITE
- TUFF
- IGNEOUS
- METAMORPHIC
- Cement
- RED SHALE

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Other Sym

Oil Show	Porosity	Engineering	Row
DEAD	E EARTHY	BIT	A AN
EVEN	F FENESTRAL	CONNECTION (LEFT)	R ROI
QUESTIONABLE	F FRACTURE	CONNECTION (RIGHT)	a SUE
SPOTTED STAINING	INTERCRYSTALLINE	CONNECTION GAS	r SUE
INTEROOLITIC	CORE - LOST		
MOLDIC	CORE - RECOVERED		
ORGANIC	DST INTERVAL		
PINPOINT	FAULT		
VUGGY	FORMATION TOP		
	GAS SHOW		
	NORMAL FAULT		
	OIL SHOW		
	OVERTURNED STRATA		
	REVERSE FAULT		
	SIDEWALL CORE (LEFT)		
	SIDEWALL CORE (RIGHT)		
	SLIDE		
	SURVEY		
	TRIP GAS		
	WIRELINE TESTED - LEFT		
	WIRELINE TESTED - RT		
	Arrow		
	6 AM 6 AM		

09/19/2025

ibols

inding Textures Sorting Casing Shoe

GULAR	BS BOUNDSTONE	M MODERATE		Casing Shoe Rgt
JNDED	C CHALKY	P POOR		Casing Shoe Left
3ANG	CX CRYPTOXLN	W WELL		
3RND	E EARTHY			
	FX FINELYXLN			
	BS GRAINSTONE			
	L LITHOGRAPHIC			
	MX MICROXLN			
	MS MUDSTONE			
	PS PACKSTONE			
	WJS WACKESTONE			

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Environmental Protection

Antero Resources
Well No. Rata 1H
As-Drilled

Antero Resources Corporation



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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

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.

Note: 8 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 74°19' E	3,062.3'
L2	S 78°11' E	2,168.4'
L3	S 19°16' W	1,001.7'
L4	N 51°12' W	2,914.0'

Legend

- Proposed gas well
- Monument, as noted
- Existing Well, as noted
- Digitized Well, as noted
- Road
- Surface boundary (approx.)
- Interior surface tracts (approx.)
- District Line

8,039' to Bottom Hole

2,307' to Top Hole

TOP HOLE LATITUDE 39 - 27 - 30
BTM HOLE LATITUDE 39 - 30 - 00

Notes

West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.
Well No. Rata Unit 1H Top Hole coordinates are
N: 339,131.93' Latitude: 39°25'16.67"
E: 1,573,953.82' Longitude: 81°00'29.40"
Bottom Hole coordinates are
N: 354,420.92' Latitude: 39°27'46.86"
E: 1,568,476.55' Longitude: 81°01'42.50"
UTM Zone 17, NAD 1983
Top Hole Coordinates Bottom Hole Coordinates
N: 4,363,538.807m N: 4,368,168.765m
E: 499,311.529m E: 497,565.093m
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. Rata Unit 1H As-Drilled POE Coordinates WV Coordinate System of 1927, North Zone
N: 339,305.14'
E: 1,573,582.83'
Latitude: 39°25'18.33"
Longitude: 81°00'34.16"
UTM Zone 17, NAD 1983
N: 4,363,589.687m
E: 499,197.626m

Wellhead Layout (NTS)

- Oxbow Unit 1H (API# 47-095-02894)
- Burch Unit 1H (API# 47-095-02893)
- As-Drilled Well Rata Unit 1H (API# 47-095-02895)



LONGITUDE 81 - 00 - 00

13,471' to Bottom Hole
13,489' to Top Hole

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

FILE NO: 195-51-U-21
DRAWING NO: Rata Unit 1H As-Drilled
SCALE: 1" = 2000'
MINIMUM DEGREE OF ACCURACY: Submeter
PROVEN SOURCE OF ELEVATION: WVDOT, Harrisville, WV

DATE: April 16 20 25
OPERATOR'S WELL NO. Rata Unit 1H
API WELL NO
47 - 095 - 02895
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: As-Built 937' WATERSHED: Outlet Middle Island Creek QUADRANGLE: Bens Run
DISTRICT: THL: Meade, BHL: Union COUNTY: 09/19/2025
SURFACE OWNER: Shirley J. Wells & Suise Cunningham ACREAGE: 53.85
ROYALTY OWNER: Antero Minerals, LLC LEASE NO: ACREAGE: 365.445
PROPOSED WORK: ☐ DRILL ☐ CONVERT ☐ DRILL DEEPER ☐ FRACTURE OR STIMULATE ☐ PLUG OFF OLD FORMATION
☐ PERFORATE NEW FORMATION ☒ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) As-Drilled 6,013' TVD
☐ PLUG AND ABANDON ☐ CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 22,216' 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. Rata 1H
As-Drilled

Antero Resources Corporation



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Leases	
A	Louis J. DeLoretta
C	Roy Emmett Huffman & Linda Gay Huffman
D	WVDNR
F	Lisa Krynaich
G	Antero Minerals, LLC
H	Bobbin E. Pardine
I	Robert H. Weaver
J	Greenbrier Royalty Fund II, LLC
K	Nancy Thomas
L	Ann Wells Clutter
M	BRC Appalachian Minerals I, LLC
N	Wells Cattle Farms, Inc.
Q	Greenbrier Royalty Fund II, LLC
R	Richard W. Barnhart, Jr.
S	Vicki Bonner
T	Cecil E. Jordan, et ux
U	Antero Minerals, LLC
V	Janelle Sue Perkins
W	Clifford Benjamin & Rebecca Louise Boone
X	Mary C. Robinson Living Trust

ID	TM/Par	Owner	Bk/Pg	Acres
1	3-11	David P. & Cheryl M. Dean	291/392	60.00
2	3-9	Roy Emmett & Linda Gay Huffman	126/341	55.00
3		Middle Island Creek		
4	13-10	Charles L. & Jennifer N. Warner	177/1	114.00
5	13-36	Lisa Krynaich	566/759	165.50
6	12-12	Lisa Krynaich	566/759	20.00
7	7-23B	Frederick M. Bonner	286/474	27.33
8	13-37	Lisa Krynaich	566/759	105.94
9	7-15	Rebecca Louise & Clifford Benjamin Boone	348/317	77.25
10	7-15.1	Bobbin E. Pardine	268/516	63.60
11	7-15.2	Terry Heinzman	336/391	1.00
12	15-15	James E. & Anita Carr	349/742	13.17
13	15-16	James E. & Anita Carr	349/742	58.12
14	15-17.1	Howard D. II & Amy Spurlock	385/79	7.26
15	15-17	Terry L. & Daphne R. Heinzman	340/461	8.45
16	15-16.1	Ernest P. Herbold, Jr.	156/296	1.00
17	4-8	Wells Cattle Farms, Inc.	331/164	155.00
18	4-19	Wells Cattle Farms, Inc.	318/190	206.13
19	4-20	Cecil E. Sr. & Linda Jordan; James & Connie Hicks	318/190	206.13
20	4-32	Wells Cattle Farms, Inc.	318/190	206.13
21	4-20.1	Richard W. Barnhart, Jr.	213/162	49.74
22	7-1	Daniel Preston Bonner	416/11	142.72
23	4-20.3	Cecil E. & Linda M. Jordan	240/240	0.52
24	4-20.2	Daniel Preston Bonner	416/11	4.00
25	7-1.1	Daniel Preston Bonner	416/11	20.19
26	7-2	Shirley J. Wells & Susie Cunningham	WB41/317	53.85
27	7-7	Janelle S. Perkins	184/378	74.08
28	7-8	John Wells	428/412	52.39

FILE NO: 195-51-U-21

DRAWING NO: Rata 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: April 16 2025

OPERATOR'S WELL NO. Rata Unit 1H

API WELL NO

47 — 095 — 02895
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: As-Built 937' WATERSHED: Outlet Middle Island Creek QUADRANGLE: Bens Run

DISTRICT: THL: Meade, BHL: Union

COUNTY: 09, Type 910, Pleasant

SURFACE OWNER: Shirley J. Wells & Suise Cunningham

ACREAGE: 53.85

ROYALTY OWNER: Antero Minerals, LLC

LEASE NO: ACREAGE: 365.445

PROPOSED WORK: ☐ DRILL ☐ CONVERT ☐ DRILL DEEPER ☐ FRACTURE OR STIMULATE ☐ PLUG OFF OLD FORMATION
☐ PERFORATE NEW FORMATION ☒ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) As-Drilled 6,013' TVD

☐ PLUG AND ABANDON ☐ CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 22,216' 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. Rata 1H
As-Drilled
Antero Resources Corporation



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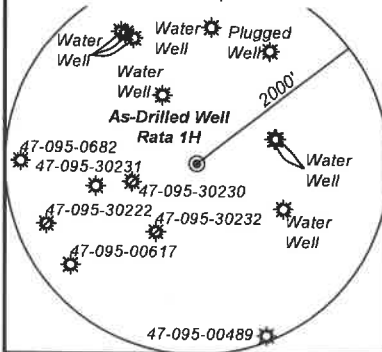
I, the undersigned, hereby certify that this plat is correct to the best of my knowledge and belief and shows all the information required by law and the rules issued and prescribed by the Department of Environmental Protection.

Bradley D. Miller

Bradley D. Miller, P.S. 2167

Top Hole Coordinates, As-drilled data, and information was provided by Antero Resources Corporation. Allegheeny 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.

Note: 8 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 74°19' E	3,062.3'
L2	S 78°11' E	2,168.4'
L3	S 19°16' W	1,001.7'
L4	N 51°12' W	2,914.0'

Legend

- Proposed gas well
- Monument, as noted
- Existing Well, as noted
- Digitized Well, as noted
- Road
- Surface boundary (approx.)
- Interior surface tracts (approx.)
- District Line

FILE NO: 195-51-U-21

DRAWING NO: Rata 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: April 16 20 25

OPERATOR'S WELL NO. Rata Unit 1H

API WELL NO

47 — 095 — 02895
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: As-Built 937'

WATERSHED: Outlet Middle Island Creek

QUADRANGLE: Bens Run

DISTRICT: THL: Meade, BHL: Union

COUNTY: Taylor

SURFACE OWNER: Shirley J. Wells & Suise Cunningham

ACREAGE: 53.85

ROYALTY OWNER: Antero Minerals, LLC

LEASE NO: ACREAGE: 365.445

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: 6,013' TVD 22,216' 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

8,039' to Bottom Hole

2,307' to Top Hole

TOP HOLE LATITUDE 39 - 27 - 30

BTM HOLE LATITUDE 39 - 30 - 00

Notes

West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements. Well No. Rata Unit 1H Top Hole coordinates are N: 339,131.93' Latitude: 39°25'16.67" E: 1,573,953.82' Longitude: 81°00'29.40" Bottom Hole coordinates are N: 354,420.92' Latitude: 39°27'46.86" E: 1,568,476.55' Longitude: 81°01'42.50" UTM Zone 17, NAD 1983 Top Hole Coordinates Bottom Hole Coordinates N: 4,363,538.807m N: 4,368,168.765m E: 499,311.529m E: 497,565.093m 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. Rata Unit 1H As-Drilled POE Coordinates WV Coordinate System of 1927, North Zone N: 339,305.14' E: 1,573,582.83' Latitude: 39°25'18.33" Longitude: 81°00'34.16" UTM Zone 17, NAD 1983 N: 4,363,589.687m E: 499,197.626m

Wellhead Layout (NTS)

Oxbow Unit 1H (API# 47-095-02894)
Burch Unit 1H (API# 47-095-02893)
As-Drilled Well Rata Unit 1H (API# 47-095-02895)



LONGITUDE 81 - 00 - 00

13,471' to Bottom Hole



Leases	
A	Louis J. DeLoretta
C	Roy Emmett Huffman & Linda Gay Huffman
D	WVDNR
F	Lisa Krynaich
G	Antero Minerals, LLC
H	Bobbin E. Pardine
I	Robert H. Weaver
J	Greenbrier Royalty Fund II, LLC
K	Nancy Thomas
L	Ann Wells Clutter
M	BRC Appalachian Minerals I, LLC
N	Wells Cattle Farms, Inc.
Q	Greenbrier Royalty Fund II, LLC
R	Richard W. Barnhart, Jr.
S	Vicki Bonner
T	Cecil E. Jordan, et ux
U	Antero Minerals, LLC
V	Janelle Sue Perkins
W	Clifford Benjamin & Rebecca Louise Boone
X	Mary C. Robinson Living Trust

ID	TM/Par	Owner	Bk/Pg	Acres
1	3-11	David P. & Cheryl M. Dean	291/392	60.00
2	3-9	Roy Emmett & Linda Gay Huffman	126/341	55.00
3		Middle Island Creek		
4	13-10	Charles L. & Jennifer N. Warner	177/1	114.00
5	13-36	Lisa Krynaich	566/759	165.50
6	12-12	Lisa Krynaich	566/759	20.00
7	7-23B	Frederick M. Bonner	286/474	27.33
8	13-37	Lisa Krynaich	566/759	105.94
9	7-15	Rebecca Louise & Clifford Benjamin Boone	348/317	77.25
10	7-15.1	Bobbin E. Pardine	268/516	63.60
11	7-15.2	Terry Heinzman	336/391	1.00
12	15-15	James E. & Anita Carr	349/742	13.17
13	15-16	James E. & Anita Carr	349/742	58.12
14	15-17.1	Howard D. II & Amy Spurlock	385/79	7.26
15	15-17	Terry L. & Daphne R. Heinzman	340/461	8.45
16	15-16.1	Ernest P. Herbold, Jr.	156/296	1.00
17	4-8	Wells Cattle Farms, Inc.	331/164	155.00
18	4-19	Wells Cattle Farms, Inc.	318/190	206.13
19	4-20	Cecil E. Sr. & Linda Jordan; James & Connie Hicks	318/190	206.13
20	4-32	Wells Cattle Farms, Inc.	318/190	206.13
21	4-20.1	Richard W. Barnhart, Jr.	213/162	49.74
22	7-1	Daniel Preston Bonner	416/11	142.72
23	4-20.3	Cecil E. & Linda M. Jordan	240/240	0.52
24	4-20.2	Daniel Preston Bonner	416/11	4.00
25	7-1.1	Daniel Preston Bonner	416/11	20.19
26	7-2	Shirley J. Wells & Susie Cunningham	WB41/317	53.85
27	7-7	Janelle S. Perkins	184/378	74.08
28	7-8	John Wells	428/412	52.39

FILE NO: 195-51-U-21

DRAWING NO: Rata 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: April 16 20 25

OPERATOR'S WELL NO. Rata Unit 1H

API WELL NO

47 — 095 — 02895
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: As-Built 937' WATERSHED: Outlet Middle Island Creek QUADRANGLE: Bens Run

DISTRICT: THL: Meade, BHL: Union COUNTY: Wayne, Pleasant

SURFACE OWNER: Shirley J. Wells & Suise Cunningham ACREAGE: 53.85

ROYALTY OWNER: Antero Minerals, LLC LEASE NO: ACREAGE: 365.445

PROPOSED WORK: ☐ DRILL ☐ CONVERT ☐ DRILL DEEPER ☐ FRACTURE OR STIMULATE ☐ PLUG OFF OLD FORMATION
☐ PERFORATE NEW FORMATION ☒ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) As-Drilled 6,013' TVD

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