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

API 47- 103 - 03458 County Wetzel District Green
Quad Pine Grove Pad Name Journeyman Field/Pool Name -----
Farm name Antero Resources Corporation Well Number Ryland 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 4377639m Easting 522030m
Landing Point of Curve Northing 4378108.568m Easting 522729.834m
Bottom Hole Northing 4375383m Easting 523687m

Elevation (ft) 1154' 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 10/29/2021 Date drilling commenced 12/10/2021 Date drilling ceased 3/8/2022
Date completion activities began 7/9/2022 Date completion activities ceased 9/1/2022
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 1088' Open mine(s) (Y/N) depths No
Salt water depth(s) ft 502' Void(s) encountered (Y/N) depths No
Coal depth(s) ft 960' Cavern(s) encountered (Y/N) depths No
Is coal being mined in area (Y/N) No

Reviewed by:

APPROVED
03/17/2023

API 47- 103 - 03458 Farm name Antero Resources Corporation Well number Ryland 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	78.67#, X-60	N/A	Y
Surface	17-1/2"	13-3/8"	364'	New	54.5#, J-55	N/A	Y
Coal							
Intermediate 1	12-1/4"	9-5/8"	2727'	New	36#, J-55	N/A	Y
Intermediate 2							
Intermediate 3							
Production	8-3/4"/8-1/2"	5-1/2"	17325'	New	20#, P-110	N/A	Y
Tubing		2-3/8"	7557'		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	319 sx	15.6	1.18	376	0'	8 Hrs.
Surface	Class A	328 sx	15.8	1.20	394	0'	8 Hrs.
Coal							
Intermediate 1	Class C	960 sx	15.8	1.16	1114	0'	8 Hrs.
Intermediate 2							
Intermediate 3							
Production	Class H	2735 sx (Tail)	8.33 (Lead), 15.2(Tail)	1.4 (Lead), 1.18 (Tail)	3227	~500' into Intermediate Casing	8 Hrs.
Tubing							

Drillers TD (ft) 17325' MD, 7033' TVD (BHL), 7035' (Deepest Point Drilled) Loggers TD (ft) 17325' MD

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

Plug back procedure N/A

Kick off depth (ft) 7093'

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

03/17/2023

API 47- 103 - 03458 Farm name Antero Resources Corporation Well number Ryland Unit 3H

PERFORATION RECORD

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

***PLEASE SEE ATTACHED EXHIBIT 1**

Please insert additional pages as applicable.

STIMULATION INFORMATION PER STAGE

Complete a separate record for each stimulation stage.

Stage No.	Stimulations Date	Ave Pump Rate (BPM)	Ave Treatment Pressure (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Amount of Proppant (lbs)	Amount of Water (bbls)	Amount of Nitrogen/other (units)

***PLEASE SEE ATTACHED EXHIBIT 2**

Please insert additional pages as applicable.

03/17/2023

API 47- 103 - 03458 Farm name Antero Resources Corporation Well number Ryland Unit 3H

PRODUCING FORMATION(S)	DEPTHS			
Marcellus	6901' (TOP)	TVD	7807' (TOP)	MD

Please insert additional pages as applicable.

GAS TEST □ Build up □ Drawdown ■ Open Flow OIL TEST ■ Flow □ Pump

SHUT-IN PRESSURE Surface 1192 psi Bottom Hole --- psi DURATION OF TEST --- hrs

OPEN FLOW	Gas	Oil	NGL	Water	GAS MEASURED BY
	7338 mcfpd	242 bpd	--- bpd	898 bpd	□ Estimated ■ Orifice □ Pilot

LITHOLOGY/ FORMATION NAME	TOP DEPTH IN FT 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_2S, ETC)

***PLEASE SEE ATTACHED EXHIBIT 3**

Please insert additional pages as applicable.

Drilling Contractor H & P Drilling
Address 912 N Eagle Valley Rd City Howard State PA Zip 16841

Logging Company Nine Energy Services
Address 6500 West Fwy City Fort Worth State TX Zip 76116

Cementing Company Halliburton Energy Services
Address 3000 W. Sam Houston Pkwy City Houston State TX Zip 76114

Stimulating Company Halliburton
Address 3000 W. Sam Houston Pkwy City Houston State TX Zip 76114
Please insert additional pages as applicable.

Completed by Carly Marvel Telephone 303-357-7373
Signature Carly Marvel Title Permitting Agent Date 1/3/2023

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

03/17/2023

API 47-103-03458 Farm Name Antero Resources Corporation Well Number Ryland Unit 3H					
Exhibit 1					
Stage No.	Perforation Date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formations
1	07/09/2022	17201.0	17160.0	60	Marcellus
2	07/09/2022	17121.3	16954.9	60	Marcellus
3	07/10/2022	16919.2	16752.7	60	Marcellus
4	07/10/2022	16717.1	16550.6	60	Marcellus
5	07/11/2022	16514.9	16348.5	60	Marcellus
6	07/12/2022	16312.8	16146.3	60	Marcellus
7	07/12/2022	16110.7	15944.2	60	Marcellus
8	07/13/2022	15908.5	15742.1	60	Marcellus
9	07/13/2022	15706.4	15540.0	60	Marcellus
10	07/14/2022	15504.3	15337.8	60	Marcellus
11	07/14/2022	15302.1	15135.7	60	Marcellus
12	07/14/2022	15100.0	14933.6	60	Marcellus
13	07/15/2022	14897.9	14731.4	60	Marcellus
14	07/16/2022	14695.7	14529.3	60	Marcellus
15	07/16/2022	14493.6	14327.2	60	Marcellus
16	07/17/2022	14291.5	14125.0	60	Marcellus
17	07/17/2022	14089.4	13922.9	60	Marcellus
18	07/18/2022	13887.2	13720.8	60	Marcellus
19	07/18/2022	13685.1	13518.7	60	Marcellus
20	07/19/2022	13483.0	13316.5	60	Marcellus
21	07/19/2022	13280.8	13114.4	60	Marcellus
22	07/20/2022	13078.7	12912.3	60	Marcellus
23	07/20/2022	12876.6	12710.1	60	Marcellus
24	07/21/2022	12674.4	12508.0	60	Marcellus
25	07/21/2022	12472.3	12305.9	60	Marcellus
26	07/22/2022	12270.2	12103.7	60	Marcellus
27	07/22/2022	12068.1	11901.6	60	Marcellus
28	07/23/2022	11865.9	11699.5	60	Marcellus
29	07/24/2022	11663.8	11497.3	60	Marcellus
30	07/24/2022	11461.7	11295.2	60	Marcellus
31	07/25/2022	11259.5	11093.1	60	Marcellus
32	07/25/2022	11057.4	10891.0	60	Marcellus
33	07/26/2022	10855.3	10688.8	60	Marcellus
34	07/26/2022	10653.1	10486.7	60	Marcellus
35	07/26/2022	10451.0	10284.6	60	Marcellus
36	07/27/2022	10248.9	10082.4	60	Marcellus
37	07/27/2022	10046.7	9880.3	60	Marcellus
38	07/28/2022	9844.6	9678.2	60	Marcellus
39	07/29/2022	9642.5	9476.0	60	Marcellus
40	07/29/2022	9440.4	9273.9	60	Marcellus
41	07/30/2022	9238.2	9071.8	60	Marcellus
42	07/30/2022	9036.1	8869.7	60	Marcellus
43	07/30/2022	8834.0	8667.5	60	Marcellus
44	07/31/2022	8631.8	8465.4	60	Marcellus
45	07/31/2022	8429.7	8263.3	60	Marcellus
46	07/31/2022	8227.6	8061.1	60	Marcellus
47	08/01/2022	8025.4	7859.0	60	Marcellus

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API 47-103-03458 Farm Name Antero Resources Corporation Well Number Ryland Unit 3H

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	07/09/2022	32.8	8,933	8,729	4,504	4,000	101,116	N/A
2	07/09/2022	74.0	8,033	6,426	3,581	401,940	333,785	N/A
3	07/10/2022	76.4	8,299	7,095	4,019	408,582	308,225	N/A
4	07/10/2022	84.7	8,406	7,254	4,257	408,754	310,754	N/A
5	07/11/2022	89.8	8,382	6,113	5,252	399,933	307,719	N/A
6	07/12/2022	80.8	8,188	5,943	4,340	413,049	308,919	N/A
7	07/12/2022	84.8	8,074	5,365	5,010	405,805	295,838	N/A
8	07/13/2022	90.6	8,284	5,576	4,717	409,138	313,978	N/A
9	07/13/2022	92.1	8,446	6,430	5,066	412,818	299,168	N/A
10	07/14/2022	90.2	8,193	5,958	4,877	401,538	380,913	N/A
11	07/14/2022	93.0	8,474	5,336	5,030	402,031	293,313	N/A
12	07/14/2022	88.5	8,363	5,834	5,044	401,376	326,476	N/A
13	07/15/2022	90.3	8,537	6,308	5,033	400,716	280,308	N/A
14	07/16/2022	87.0	8,482	7,438	4,723	405,299	301,194	N/A
15	07/16/2022	89.6	8,651	6,792	5,056	414,841	288,033	N/A
16	07/17/2022	20.3	7,219	6,516	4,830	5,905	187,800	N/A
17	07/17/2022	90.0	8,182	6,066	4,331	410,894	319,827	N/A
18	07/18/2022	92.3	8,632	5,322	4,696	413,750	308,352	N/A
19	07/18/2022	75.9	7,988	6,871	4,979	411,101	366,104	N/A
20	07/19/2022	75.6	7,352	6,474	4,433	411,857	435,213	N/A
21	07/19/2022	91.4	7,919	5,890	5,017	413,988	296,548	N/A
22	07/20/2022	90.9	7,918	6,256	5,055	399,871	295,877	N/A
23	07/20/2022	78.6	8,105	7,963	4,464	408,483	375,565	N/A
24	07/21/2022	85.2	7,571	6,494	5,066	407,461	300,992	N/A
25	07/21/2022	88.3	7,789	8,297	4,792	406,970	347,026	N/A
26	07/22/2022	85.4	8,127	6,946	4,661	411,471	325,672	N/A
27	07/22/2022	79.5	8,074	6,417	5,035	410,163	387,334	N/A
28	07/23/2022	82.2	7,802	6,639	4,981	333,283	293,322	N/A
29	07/24/2022	87.8	7,677	6,587	4,524	412,761	316,900	N/A
30	07/24/2022	88.7	7,355	5,843	4,954	413,127	310,312	N/A
31	07/25/2022	88.0	7,783	6,513	4,689	408,958	344,058	N/A
32	07/25/2022	89.0	7,319	6,557	4,704	405,614	306,997	N/A
33	07/26/2022	86.6	7,219	7,227	5,286	392,120	346,893	N/A
34	07/26/2022	91.5	8,325	6,019	3,956	410,220	315,527	N/A
35	07/26/2022	88.2	7,664	6,635	4,646	389,861	291,426	N/A
36	07/27/2022	93.3	7,262	5,976	4,428	397,086	293,953	N/A
37	07/27/2022	93.5	7,373	7,530	4,466	412,722	302,913	N/A
38	07/28/2022	96.2	7,457	6,405	4,662	405,108	315,968	N/A
39	07/29/2022	95.4	7,341	7,042	5,010	402,097	302,219	N/A
40	07/29/2022	93.8	7,305	7,260	4,682	400,876	511,348	N/A
41	07/30/2022	94.4	7,180	7,140	4,343	410,879	285,525	N/A
42	07/30/2022	97.2	7,166	7,587	5,042	398,618	286,578	N/A
43	07/30/2022	96.1	7,013	6,135	4,735	405,963	284,073	N/A
44	07/31/2022	96.8	7,087	7,455	4,564	400,988	282,224	N/A
45	07/31/2022	97.0	7,025	7,032	5,041	412,160	294,759	N/A
46	07/31/2022	97.4	7,166	6,930	4,827	402,971	288,876	N/A
47	08/01/2022	95.8	6,869	7,353	4,515	404,713	281,292	N/A
	AVG=	**86**	**7,830**	**6,638**	**4,722**	**18,221,859**	**14,651,212**	TOTAL

API 47-103-03458 Farm Name Antero Resources Corporation Well Number Ryland Unit 3H

EXHIBIT 3

LITHOLOGY/ FORMATION	TOP DEPTH (TVD) From Surface	BOTTOM DEPTH (TVD) From Surface	TOP DEPTH (MD) From Surface	BOTTOM DEPTH (MD) From Surface
Sandstone	75	210	75	210
Silty Sandstone	210	240	210	240
Shaly sandstone	240	270	240	270
Silty Sandstone	270	420	270	420
Shaly sandstone	420	490	420	490
Silty Sandstone	490	600	490	600
Shale	600	810	600	810
Silty Sandstone	810	1,070	810	1,070
Shale w/coal interbeds	1,070	1,230	1,070	1,230
Sandy shale	1,230	1,320	1,230	1,320
Shale	1,320	1,410	1,320	1,410
Sandy shale	1,410	1,710	1,410	1,710
Shaly sandstone	1,710	2,081	1,710	2,211
Big Lime	2,111	2,588	2,211	2,774
Fifty Foot Sandstone	2,588	2,733	2,744	2,938
Gordon	2,733	2,969	2,908	3,207
Fifth Sandstone	2,969	3,028	3,177	3,275
Bayard	3,028	3,958	3,245	4,318
Speechley	3,958	4,085	4,288	4,462
Balltown	4,085	4,583	4,432	5,004
Bradford	4,583	5,140	4,974	5,621
Benson	5,140	5,578	5,591	6,105
Alexander	5,578	6,721	6,075	7,381
Sycamore	6,563	6,691	7,187	7,351
Middlesex	6,691	6,790	7,351	7,506
Burkett	6,790	6,820	7,506	7,561
Tully	6,820	6,901	7,561	7,807
Marcellus	6,901	NA	7,807	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.

SM 2/13/23

03/17/2023

Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	7/8/2022
Job End Date:	8/1/2022
State:	West Virginia
County:	Wetzel
API Number:	47-103-03458-00-00
Operator Name:	Antero Resources Corporation
Well Name and Number:	RYLAND UNIT 3H
Latitude:	39.54806000
Longitude:	-80.74377000
Datum:	WGS84
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	7,035
Total Base Water Volume (gal):	15,752,413
Total Base Non Water Volume:	0

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
Produced Water	Halliburton	Base Fluid					
			Water	7732-18-5	100.00000	87.72480	Density = 8.50
Ingredients	Listed Above	Listed Above					
			Water	7732-18-5	100.00000	0.26849	

SM 2/13/23

MC B-8614A	MultiChem	Biocide					
				Listed Below			
WG-36 GELLING AGENT	Halliburton	Gelling Agent					
				Listed Below			
Sand-Common White-100 Mesh, SSA-2	Halliburton	Proppant					
				Listed Below			
EXCELERATE LX-16	Halliburton	Friction Reducer					
				Listed Below			
HYDROCHLORIC ACID, 22 BAUME	Halliburton	Solvent					
				Listed Below			
FDP-S1443-21	Halliburton	Corrosion Inhibitor					
				Listed Below			
OPTIFLO-II DELAYED RELEASE BREAKER	Halliburton	Breaker					
				Listed Below			
Sand-Premium White-30/70	Halliburton	Proppant					
				Listed Below			

Items above are Trade Names with the exception of Base Water . Items below are the individual ingredients.

			Crystalline silica, quartz	14808-60-7	100.00000	11.93861	
			Hydrochloric acid	7647-01-0	30.00000	0.06697	
			Guar gum	9000-30-0	100.00000	0.04175	
			Complex Amine Compound	Proprietary	60.00000	0.03722	
			Hydrotreated light petroleum distillate	64742-47-8	30.00000	0.01861	
			Sodium chloride	7647-14-5	10.00000	0.00620	
			Amine	Proprietary	5.00000	0.00310	
			Ethoxylated alcohol	Proprietary	5.00000	0.00310	
			Glutaraldehyde	111-30-8	30.00000	0.00241	
			Ammonium persulfate	7727-54-0	100.00000	0.00124	
			Methanol	67-56-1	100.00000	0.00048	
			Alkyl (C12-16) dimethylbenzyl ammonium chloride	68424-85-1	5.00000	0.00040	
			Oxylated phenolic resin	Proprietary	30.00000	0.00037	
			Ethoxylated alcohols	Proprietary	30.00000	0.00012	
			Ethanol	64-17-5	1.00000	0.00008	
			Diethanolamine	111-42-2	0.10000	0.00006	
			Potassium formate	590-29-4	0.10000	0.00006	
			Sodium bisulphite	7681-57-4	0.10000	0.00006	
			Modified thiourea polymer	Proprietary	10.00000	0.00004	
			Aldehyde	Proprietary	5.00000	0.00002	
			Mixture of dimer and trimer fatty acids of indefinite composition derived from tall oil	61790-12-3	5.00000	0.00002	
			C.I. pigment Orange 5	3468-63-1	1.00000	0.00001	
			Ethylene oxide	75-21-8	0.01000	0.00001	
			Sodium hydroxide	1310-73-2	0.01000	0.00001	
			Hydroquinone monomethyl ether	150-76-5	0.01000	0.00001	
			1,4-Dioxane	123-91-1	0.01000	0.00001	

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			Nitrotriacetic acid, trisodium salt monohydrate	5064-31-3	0.01000	0.00001	
			Acetaldehyde	75-07-0	0.01000	0.00001	
			Ethylenediaminetetraacetic acid, tetrasodium salt	64-02-8	0.01000	0.00001	
			1-Octadecene	112-88-9	1.00000	0.00000	
			1-Hexadecene	629-73-2	1.00000	0.00000	

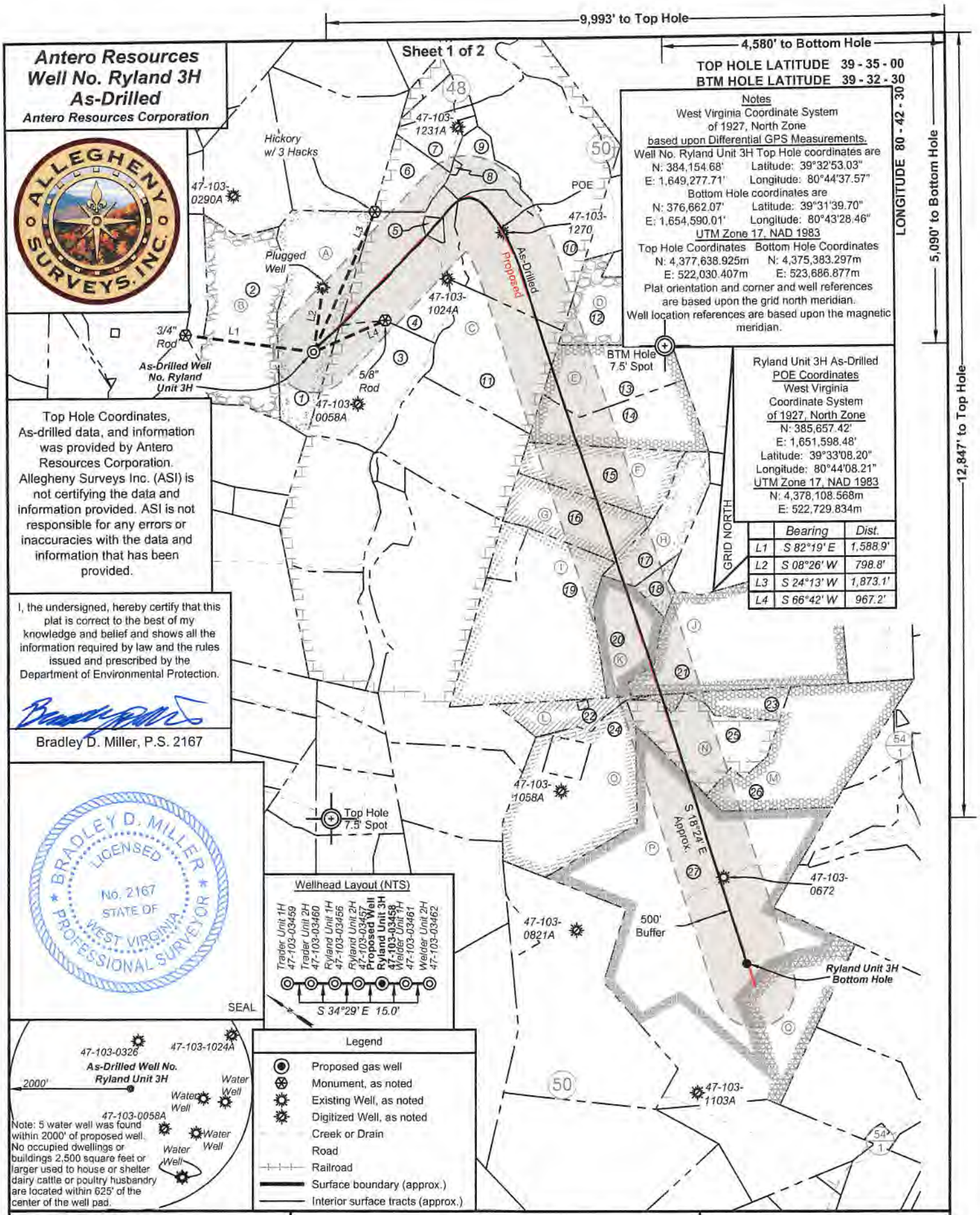
* Total Water Volume sources may include various types of water including fresh water, produced water, and recycled water
** Information is based on the maximum potential for concentration and thus the total may be over 100%
*** If you are calculating a percentage of total ingredients do not add the water volume below the green line to the water volume above the green line

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)

Antero Resources Well No. Ryland 3H As-Drilled

Antero Resources Corporation

Sheet 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

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

SEAL

FILE NO: 278-34-G-17
DRAWING NO: Ryland 3H As-Drilled
SCALE: 1" = 1500'
MINIMUM DEGREE OF ACCURACY: Submeter
PROVEN SOURCE OF ELEVATION: CORS, Monroe County, OH

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

DATE: December 6 2022
OPERATOR'S WELL NO. Ryland Unit 3H

API WELL NO
47 — 103 — 03458
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: As-Built 1,154' WATERSHED: Fishing Creek QUADRANGLE: Pine Grove
DISTRICT: Green COUNTY: Wetzel 03/17/2023
SURFACE OWNER: Antero Resources Corporation; Karen B. Mason; Waco Oil & Gas Company, Inc.; BRC Appalachian Minerals I, LLC; Barbara Barker, et vir; Debra L. Brown (2); Kevin Goff, et ux; Shiben Estates, Inc.; ACREAGE: 47.5 137.9125; 47.5; 537.11875; 50.5; 26; 26; 24;
ROYALTY OWNER: Pamela Ann Palmer Emch; William R. Stalnaker; Ridgetop Capital IV, LP; Lydia Sims; LEASE NO: _____ ACREAGE: 20.65; 72; 89; 35.5
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: 7,033' TVD 17,325' MD

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

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

Leases	
A	Pamela Ann Palmer Emch
B	BRC Appalachian Minerals I, LLC
C	William R. Stalnaker
D	Stone Hill Holdings, LLC
E	Ridgetop Capital IV, LP
F	Debra L. Brown
G	Debra L. Brown
H	Lydia Sims
I	Karen B. Mason
J	Shiben Estates, Inc.
K	Kevin Goff, et ux
L	Barbara Barker, et vir
M	BRC Appalachian Minerals I, LLC
N	Barbara Barker, et vir
O	Carl F. Fellows
P	Waco Oil & Gas Company Inc.
Q	Joan B. Hoge Trust

ID	TM/Par	Owner	Bk/Pg	Acres
1	16-26	Antero Resources Corporation	474/713	47.50
2	16-25	Antero Resources Corporation	474/713	39.00
3	17-22	Perry D. Bucher	411/759	37.65
4	17-58	Pennie Baker	411/735	42.41
5	17-56	Pennie R. & Richard K. Baker	366/273	1.63
6	17-15.1	Douglas Alan & Shirley Joann Bucher	442/718	12.41
7	17-15.7	Jeremy & Terry Bucher	365/108	7.37
8	17-15.8	Ross William Bucher, Jr.	411/765	0.37
9	17-59	Pennie Baker	446/344	12.50
10	17-60	Ross Bucher	411/765	79.00
11	17-23	Michael Steven Blinkman	461/443	40.10
12	17-16	James & Andrea Sell	417/40	25.75
13	17-24	Nola Parks	417/35	26.50
14	17-25	Nola Parks & Jonathan Sivert	417/35	25.00
15	17-33	Debra Lynn Brown	332/480	26.00
16	17-44	Debra Lynn Brown	362/474	26.00
17	17-34	Debra Lynn Brown	332/480	20.00
18	17-46	George David Sell	351/473	4.00
19	17-43	George David Sell, et al	206/184	124.50
20	17-45	George D. Sell, et al	W53/228	20.20
21	17-35	Alfred Raymond Furbee, Sr. & Olive Gay Brown	333/638	60.00
22	20-2	George David Sell	351/473	10.00
23	17-30	Alfred Raymond Furbee, Sr. & Olive Gay Brown	333/638	11.70
24	20-9	George David Sell	351/473	48.00
25	20-4	Nola J. Parks & Gloria C. Higgins	A100/689	25.50
26	20-5	Debbie Brown, et al	A96/679	4.00
27	20-13	Dallison Lumber Inc.	440/243	208.00

FILE NO: 278-34-G-17
DRAWING NO: Ryland 3H As-Drilled
SCALE: 1" = 1500'
MINIMUM DEGREE OF ACCURACY: Submeter
PROVEN SOURCE OF ELEVATION: CORS, Monroe County, OH

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

DATE: December 6 2022
OPERATOR'S WELL NO. Ryland Unit 3H
API WELL NO
47 — 103 — 03458
STATE COUNTY PERMIT

WELL TYPE: ☐ OIL ☒ GAS ☐ LIQUID INJECTION ☐ WASTE DISPOSAL
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