

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

API 47-095-02574 County Tyler District Ellsworth
Quad Middlebourne 7.5' Pad Name Ferrell Pad Field/Pool Name -----
Farm name Antero Resources Midstream LLC Well Number Guild Unit 2H
Operator (as registered with the OOG) Antero Resources Corporation
Address 1615 Wynkoop Street City Denver State CO Zip 80202

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey
Top hole Northing 4369197.163m Easting 507026.197m
Landing Point of Curve Northing 4369564.30m Easting 507705.37m
Bottom Hole Northing 4371442.597m Easting 507092.005m

Elevation (ft) 731.4' ^{757.5'} 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 1/25/2019 Date drilling commenced 6/14/2019 Date drilling ceased 10/9/2019
Date completion activities began 12/28/2019 Date completion activities ceased 1/30/2020
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 194', 243' Open mine(s) (Y/N) depths No
Salt water depth(s) ft 1224', 1347' Void(s) encountered (Y/N) depths No
Coal depth(s) ft 770' Cavern(s) encountered (Y/N) depths No
Is coal being mined in area (Y/N) No

Reviewed by:
CJB
1/10/19/2020

API 47-095 - 02574 Farm name Antero Resources Midstream LLC Well number Guild Unit 2H

CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade wt/ft	Basket Depth(s)	Did cement circulate (Y/ N) * Provide details below*
Conductor	24"	20"	125'	New	94#, H-40	N/A	Y
Surface	17-1/2"	13-3/8"	414'	New	54#, J-55	N/A	Y
Coal							
Intermediate 1	12-1/4"	9-5/8"	2777'	New	36#, H-40	N/A	Y
Intermediate 2							
Intermediate 3							
Production	8-3/4"/8-1/2"	5-1/2"	13583'	New	23#, P-110	N/A	Y
Tubing		2-3/8"	6734'		4.7#, N-80		
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	204 sx	15.6	1.18	244	0'	8 Hrs.
Surface	Class A	350 sx	15.6	1.19	402	0'	8 Hrs.
Coal							
Intermediate 1	Class A	955 sx	15.6	1.18	1047	0'	8 Hrs.
Intermediate 2							
Intermediate 3							
Production	Class H	798 sx (Lead) 2822 sx (Tail)	13.5 (Lead), 15.2 (Tail)	1.53 (Lead), 1.83 (Tail)	2819	~500' into Intermediate Casing	8 Hrs.
Tubing							

Drillers TD (ft) 13602' MD, 6106' TVD (BHL), 6108' (Deepest Point Drilled) Loggers TD (ft) 13602' MD

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

Plug back procedure N/A

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Kick off depth (ft) 5967'

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

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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

API 47- 095 - 02574 Farm name Antero Resources Midstream LLC Well number Guild Unit 2H

PRODUCING FORMATION(S)	DEPTHS		
Marcellus	6061' (TOP)	TVD	6801' (TOP) MD

Please insert additional pages as applicable.

GAS TEST Build up Drawdown Open Flow OIL TEST Flow Pump

SHUT-IN PRESSURE Surface 2800 psi Bottom Hole --- psi DURATION OF TEST --- hrs

OPEN FLOW Gas 10245 mcfd Oil 256 bpd NGL --- bpd Water 1049 bpd GAS MEASURED BY Estimated Orifice Pilot

LITHOLOGY/ FORMATION	TOP	BOTTOM	TOP	BOTTOM	DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H ₂ S, ETC)
	DEPTH IN FT NAME TVD	DEPTH IN FT TVD	DEPTH IN FT MD	DEPTH IN FT MD	

***PLEASE SEE ATTACHED EXHIBIT 3**

Please insert additional pages as applicable.

Drilling Contractor Frontier Drilling LLC
Address 562 Spring Run Road City Pennsboro State WV Zip 26415

Logging Company Nine Energy Services
Address 125 Museum Road City Washington State PA Zip 15301

Cementing Company C&J Energy Services
Address 1650 Hackers Creek City Jane Lew State WV Zip 26378

Stimulating Company Baker Hughes
Address 837 Phillipi Pike City Clarksburg State WV Zip 26301

Please insert additional pages as applicable.

Completed by Megan Griffith Telephone 303-357-7223
Signature [Signature] Title Permitting Agent Date 6/19/20

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

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EXHIBIT 1

Stage No.	Perforation Date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formations
1	1/12/2020	13482	13438	60	Marcellus
2	1/12/2020	13398.72727	13234.3636	60	Marcellus
3	1/13/2020	13199.09091	13034.7273	60	Marcellus
4	1/13/2020	12999.45455	12835.0909	60	Marcellus
5	1/13/2020	12799.81818	12635.4545	60	Marcellus
6	1/13/2020	12600.18182	12435.8182	60	Marcellus
7	1/14/2020	12400.54545	12236.1818	60	Marcellus
8	1/14/2020	12200.90909	12036.5455	60	Marcellus
9	1/14/2020	12001.27273	11836.9091	60	Marcellus
10	1/14/2020	11801.63636	11637.2727	60	Marcellus
11	1/15/2020	11602	11437.6364	60	Marcellus
12	1/15/2020	11402.36364	11238	60	Marcellus
13	1/15/2020	11202.72727	11038.3636	60	Marcellus
14	1/15/2020	11003.09091	10838.7273	60	Marcellus
15	1/16/2020	10803.45455	10639.0909	60	Marcellus
16	1/16/2020	10603.81818	10439.4545	60	Marcellus
17	1/16/2020	10404.18182	10239.8182	60	Marcellus
18	1/16/2020	10204.54545	10040.1818	60	Marcellus
19	1/16/2020	10004.90909	9840.54545	60	Marcellus
20	1/17/2020	9805.272727	9640.90909	60	Marcellus
21	1/17/2020	9605.636364	9441.27273	60	Marcellus
22	1/17/2020	9406	9241.63636	60	Marcellus
23	1/17/2020	9206.363636	9042	60	Marcellus
24	1/18/2020	9006.727273	8842.36364	60	Marcellus
25	1/18/2020	8807.090909	8642.72727	60	Marcellus
26	1/18/2020	8607.454545	8443.09091	60	Marcellus
27	1/18/2020	8407.818182	8243.45455	60	Marcellus
28	1/18/2020	8208.181818	8043.81818	60	Marcellus
29	1/19/2020	8008.545455	7844.18182	60	Marcellus
30	1/19/2020	7808.909091	7644.54545	60	Marcellus
31	1/19/2020	7609.272727	7444.90909	60	Marcellus
32	1/19/2020	7409.636364	7245.27273	60	Marcellus
33	1/19/2020	7210	7045.63636	60	Marcellus
34	1/20/2020	7010.363636	6846	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	1/12/2020	68.1042	7294.367	7987	3445	179550	5213.556	N/A
2	1/12/2020	83.19991	7773.144	5725	3478	396500	8004.82	N/A
3	1/13/2020	85.70979	7485.178	5138	3637	399000	7036.27	N/A
4	1/13/2020	83.52464	7444.17	5755	3055	397840	7164.61	N/A
5	1/13/2020	86.26032	7391.77	5831	3314	402640	8611.06	N/A
6	1/13/2020	83.24544	7634.31	5609	3043	399000	7059.51	N/A
7	1/14/2020	81.59636	7628.021	5674	3068	397360	6931.27	N/A
8	1/14/2020	82.15816	7706.887	5489	3551	402820	6954.97	N/A
9	1/14/2020	84.26124	7625.374	4913	3085	405280	7016.43	N/A
10	1/14/2020	83.25676	7530.777	5380	3347	404860	7060.92	N/A
11	1/15/2020	83.12702	7316.619	5314	3602	404620	7006.26	N/A
12	1/15/2020	82.96815	7268.9	5833	3219	406640	6944.24	N/A
13	1/15/2020	81.71031	7081.217	5563	3360	398800	6833.22	N/A
14	1/15/2020	83.58689	7105.874	5044	3391	410660	7005.02	N/A
15	1/16/2020	84.05643	7285.637	5130	3376	406520	6883.16	N/A
16	1/16/2020	82.2712	7008.274	5099	3406	408760	6909.71	N/A
17	1/16/2020	81.73381	7231.363	4529	3574	407460	7015.28	N/A
18	1/16/2020	82.44773	7137.651	5659	3594	407640	6894.46	N/A
19	1/16/2020	84.16824	7038.69	5363	3364	404260	6889.82	N/A
20	1/17/2020	77.86777	7318.441	5061	4142	406900	11032.92	N/A
21	1/17/2020	82.03155	6964.234	5347	3177	399300	6826.23	N/A
22	1/17/2020	82.57155	6871.348	5752	3669	406460	6864.33	N/A
23	1/17/2020	84.26776	6831.849	5534	3449	401980	6795.59	N/A
24	1/18/2020	83.84209	6879.682	5097	3434	405500	6857.46	N/A
25	1/18/2020	82.44718	6826.025	5439	3278	403620	6817.07	N/A
26	1/18/2020	83.70926	6740.997	5461	3409	410340	6759.04	N/A
27	1/18/2020	86.43173	6988.107	5555	3391	400040	6699.82	N/A
28	1/18/2020	84.69188	6916.344	5617	3217	403180	6763.4	N/A
29	1/19/2020	85.04324	6617.103	4984	3442	400880	6715.19	N/A
30	1/19/2020	84.96019	6485.691	4582	3436	401620	6763.97	N/A
31	1/19/2020	84.77339	6367.288	7271	3339	397240	6790.24	N/A
32	1/19/2020	85.06369	6570.512	5894	3367	403940	6775.61	N/A
33	1/19/2020	84.03857	6566.331	5242	3188	405880	6716.11	N/A
34	1/20/2020	84.9961	6638.99	6106	3251	404440	6706.48	N/A
	AVG=	83.1	7,105	5,529	3,385	13,491,530	239,318	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	From Surface	From Surface	From Surface	From Surface
Silty Sandstone	75	175	175	175	75	175	175	175
Siltstone	175	175	275	275	175	175	275	275
Shaly Siltstone	275	275	335	335	275	275	335	335
Silty Shale	335	335	555	555	335	335	555	555
Silty Sandstone	555	555	575	575	555	555	575	575
Shale	575	575	955	955	575	575	955	955
Shaly Sandstone	955	955	1,035	1,035	955	955	1,035	1,035
Sandstone	1,035	1,035	1,215	1,215	1,035	1,035	1,215	1,215
Sandy Shale	1,215	1,215	1,255	1,255	1,215	1,215	1,255	1,255
Shaly Siltstone	1,255	1,255	1,315	1,315	1,255	1,255	1,315	1,315
Sandstone	1,315	1,315	1,435	1,435	1,315	1,315	1,435	1,435
Shaly Sandstone	1,435	1,435	1,515	1,515	1,435	1,435	1,515	1,515
Sandy Shale	1,515	1,515	1,576	1,576	1,515	1,515	N/A	N/A
Big Lime	1,591	1,591	2,118	2,118	1,608	1,608	2,216	2,216
Fifty Foot Sandstone	2,118	2,118	2,358	2,358	2,201	2,201	2,483	2,483
Gordon	2,358	2,358	2,665	2,665	2,468	2,468	2,813	2,813
Fifth Sandstone	2,665	2,665	2,761	2,761	2,798	2,798	2,916	2,916
Bayard	2,761	2,761	3,599	3,599	2,901	2,901	3,897	3,897
Speechley	3,599	3,599	3,733	3,733	3,882	3,882	4,048	4,048
Balltown	3,733	3,733	4,233	4,233	4,033	4,033	4,597	4,597
Bradford	4,233	4,233	4,543	4,543	4,582	4,582	4,941	4,941
Benson	4,543	4,543	4,912	4,912	4,926	4,926	5,351	5,351
Alexander	4,912	4,912	5,955	5,955	5,336	5,336	6,550	6,550
Sycamore	5,824	5,824	5,925	5,925	6,394	6,394	6,520	6,520
Middlesex	5,925	5,925	6,012	6,012	6,535	6,535	6,679	6,679
Burkett	6,012	6,012	6,034	6,034	6,694	6,694	6,727	6,727
Tully	6,034	6,034	6,061	6,061	6,742	6,742	6,801	6,801
Marcellus	6,061	6,061	NA	NA	6,801	6,801	NA	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:	1/12/2020
Job End Date:	1/20/2020
State:	West Virginia
County:	Tyler
API Number:	47-095-02574-00-00
Operator Name:	Antero Resources Corporation
Well Name and Number:	Guild Unit 2H
Latitude:	39.47225560
Longitude:	-80.91848055
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	6,127
Total Base Water Volume (gal):	10,368,087
Total Base Non Water Volume:	0

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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
Water	Supplied by Operator	Base Fluid	Water	7732-18-5	100.00000	86.22053	
CI-9100G	CWS	Corrosion Inhibitor					
				Listed Below			

				64742-46-7	60.00000	0.01137	
				111-30-8	14.00000	0.00122	
				68953-58-2	5.00000	0.00095	
				7727-54-0	100.00000	0.00045	
				37251-67-5	1.50000	0.00028	
				68424-85-1	3.00000	0.00026	
				64-17-5	3.00000	0.00026	
				7173-51-5	3.00000	0.00026	
				25038-72-6	20.00000	0.00009	
				107-21-1	40.00000	0.00007	
				34590-94-8	20.00000	0.00003	
				68131-39-5	10.00000	0.00002	
				64-18-6	10.00000	0.00002	
				104-55-2	10.00000	0.00002	
				72480-70-7	10.00000	0.00002	
				67-63-0	5.00000	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%

*** 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(l) and Appendix D are obtained from suppliers Material Safety Data Sheets (MSDS)

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ANTERO RESOURCES CORPORATION

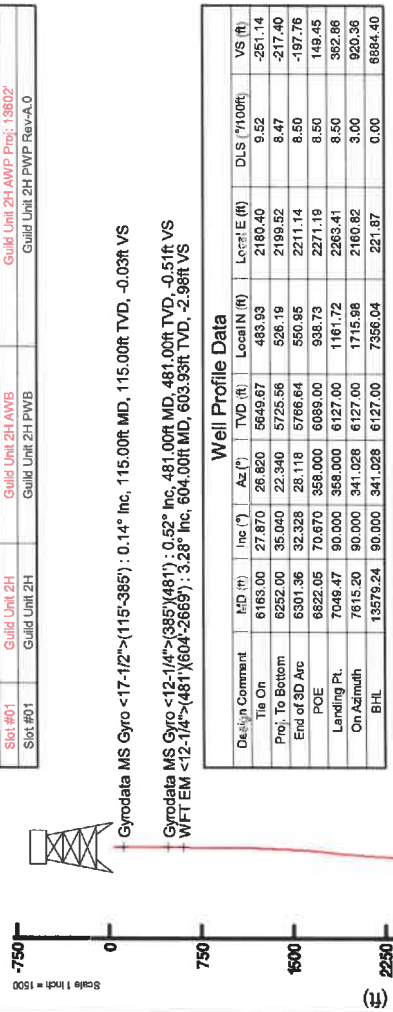
Location: Tyler County, WV
 Facility: Ferrell North Pad
 Slot: Slot #01
 Well: Guild Unit 2H
 Wellbore: Guild Unit 2H PWB



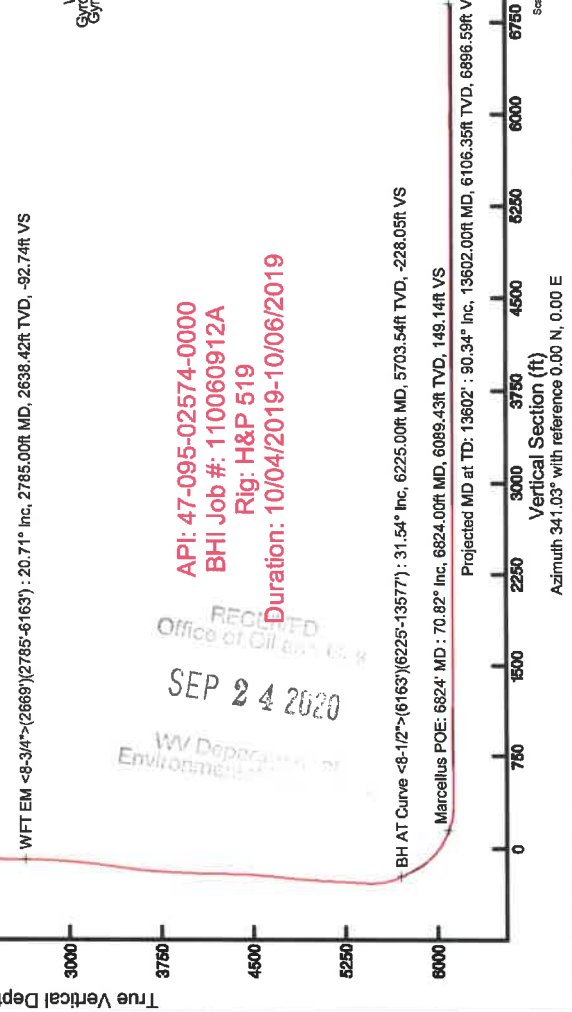
Plot reference wellpath is Guild Unit 2H PWB Rev-A.0	
Grid System: NAD27 UTM Zone 17 North, US feet	
North Reference: Grid north	
Scale: True distance	
Depths are in feet	
H&P 519 (RKB) to Mean Sea Level: 787 feet	
Mean Sea Level to Ground level (At Slot Slot #01): -757 feet	
Coordinates are in feet referenced to Slot	
Location Information	
Facility Name	Ferrell North Pad
Local N (ft)	14333925.300
Local E (ft)	143339653.972
Slot	Slot #01
H&P 519 (RKB) to Ground level (At Slot: Slot #01)	-757 ft
Mean Sea Level to Ground level (At Slot: Slot #01)	-757 ft

Slot	Well	Wellbore	Wellpath
Slot #01	Guild Unit 2H	Guild Unit 2H PWB	Guild Unit 2H AWP Proj: 13602
Slot #01	Guild Unit 2H	Guild Unit 2H PWB	Guild Unit 2H PWB Rev-A.0

Well Data



Design Comment	TD (ft)	Inc (")	Asz (")	TVD (ft)	Locat N (ft)	Locat E (ft)	DLS (100ft)	VS (ft)
Tile On	6183.00	27.870	26.820	5649.67	483.93	2180.40	9.52	-251.14
Prof. To Bottom	6252.00	35.040	22.340	5725.56	526.19	2199.52	8.47	-217.40
End of 3D Arc	6301.36	32.328	28.118	5766.64	550.95	2211.14	8.50	-197.76
POE	6822.05	70.670	358.000	6089.00	938.73	2271.19	8.50	149.45
Landing Pt.	7049.47	90.000	358.000	6127.00	1161.72	2263.41	8.50	362.86
On Azimuth	7615.20	90.000	341.028	6127.00	1715.88	2160.82	3.00	920.36
BHL	13576.24	90.000	341.028	6127.00	7356.04	221.87	0.00	6884.40



API: 47-095-02574-0000
 BHI Job #: 110060912A
 Rig: H&P 519
 Duration: 10/04/2019-10/06/2019

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User specified (HDCM) Dip: 66.51° Field: 51760.0°
 Magnetic North is 7.61 degrees West of True North (at 10/3/2019)
 Grid North is 0.05 degrees East of True North
 To correct azimuth from True to Grid subtract 0.05 degrees
 To correct azimuth from Magnetic to Grid subtract 7.66 degrees

333' to Bottom Hole

672' to Top Hole
LATITUDE 39 - 30 - 00

LONGITUDE 80 - 55 - 00
Bottom Hole 7.5' Spot

2,731' to Bottom Hole
10,096' to Top Hole

Antero Resources Well No. Guild Unit 2H As-Drilled

Antero Resources Corporation



SEAL

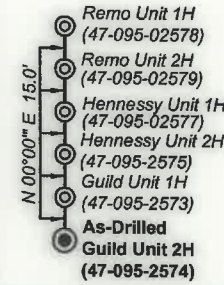
I, the undersigned, hereby certify that this plat is correct to the best of my knowledge and belief and shows all the information required by law and the rules issued and prescribed by the Department of Environmental Protection.

Bradley D. Miller
Bradley D. Miller, P.S. 2167

	Bearing	Dist.
L1	N 59°27' W	2,629.1'
L2	N 53°39' W	1,544.3'
L3	N 87°51' E	1,890.0'
L4	S 47°06' W	2,954.5'

Note: 1 spring was 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. There were no gas wells found or documented within 3000' of the proposed well.

Wellhead Layout (NTS)



Lease	
A	Thomas & Cynthia H. Hall
B	Larry Steven & Diane Helmick
C	Peter W. & Irmagard E. Guenter, Joint Living Trust
D	Sam Maxson
E	Joseph W. Anderson
F	BRC Appalachian Minerals I, LLC
G	Mary Frances Carpenter
H	Blackrock Enterprises, LLC
J	H3, LLC
K	WV Division of Natural Resources

Notes:

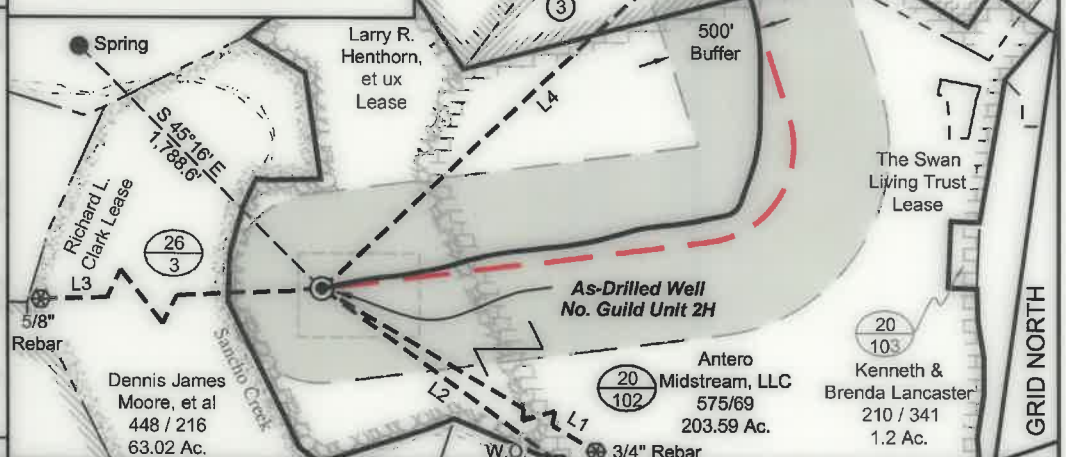
West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.
Well No. Guild Unit 2H Top Hole coordinates are
N: 357,276.50' Latitude: 39°28'20.12"
E: 1,599,579.70' Longitude: 80°55'06.54"
Bottom Hole coordinates are
N: 364,641.27' Latitude: 39°29'32.95"
E: 1,599,918.67' Longitude: 80°55'03.70"
UTM Zone 17, NAD 1983
Top Hole Coordinates Bottom Hole Coordinates
N: 4,369,197.163m N: 4,371,442.597m
E: 507,026.197m E: 507,092.005m
Plat orientation and corner and well references are based upon the grid north meridian.
Well location references are based upon the magnetic meridian.

Legend

- Proposed gas well
- Monument, as noted
- Existing Well, as noted
- Creek or Drain
- Surface boundary (approx.)
- Interior surface tracts (approx.)

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.

ID	TM/Par	Owner	Bk/Pg	Acres
18	20/3	Leek	332/329	18.056
17	20/16	Rymer	219/287	25.813
16	20/17	Rymer	219/287	0.877
15	20/40.1	Rymer	232/12	7.07
14	20/41.1	Neff, et al	429/173	2.218
13	20/42.1	Ashley	351/771	1.889
12	20/39	Rymer	219/287	36.40
11	20/38	Rymer	219/287	28.744
10	20/83.6	Hall	WB40/335	30.034
9	20/37.6	Vancamp	443/643	19.67
8	20/43	Neff, et al	429/173	35.00
7	20/83.7	Helmick	400/592	30.353
6	20/83	Helmick	WB40/335	99.413
5	20/83.1	Helmick	230/446	2.76
4	20/84	Helmick	204/92	1.587
3	20/83.4	Hall	392/229	15.944
2	20/83.5	Hall	392/229	6.416
1	20/37	Thacker, et al	443/643	8.892



FILE NO: 14-54-E-17
DRAWING NO: Guild 2H As-Drilled
SCALE: 1" = 1000'
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: May 8 2020
OPERATOR'S WELL NO. Guild Unit 2H
API WELL NO
47 - 095 - 02574
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: As-Built 757.5' WATERSHED: Outlet Middle Island Creek QUADRANGLE: Middlebourne 166.09063;
DISTRICT: Ellsworth Thomas & Cynthia H. Hall; COUNTY: Tyler 61.71875;
SURFACE OWNER: Antero Midstream, LLC Larry Steven & Diane Helmick; Blackrock Enterprises, LLC; ACREAGE: 203.59 93.1; 57.14;
ROYALTY OWNER: The Swan Living Trust; Larry R. Henthorn, et ux; Sam Maxson; LEASE NO: ACREAGE: 22.36; 8.46;
PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION 6.106' TVD
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) As-Drilled ESTIMATED DEPTH: 13,602' MD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale

WELL OPERATOR: Antero Resources Corporation DESIGNATED AGENT: Dianna Stamper - CT Corporation System
ADDRESS: 1615 Wynkoop Street ADDRESS: 5400 D Big Tyler Road
Denver, CO 80202 Charleston, WV 25313

333' to Bottom Hole

672' to Top Hole
LATITUDE 39 - 30 - 00

LONGITUDE 80 - 55 - 00
Bottom Hole 7.5' Spot

2,731' to Bottom Hole
10,096' to Top Hole

Antero Resources Well No. Guild Unit 2H As-Drilled

Antero Resources Corporation



SEAL

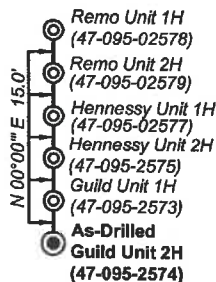
I, the undersigned, hereby certify that this plat is correct to the best of my knowledge and belief and shows all the information required by law and the rules issued and prescribed by the Department of Environmental Protection.

Bradley D. Miller
Bradley D. Miller, P.S. 2167

	Bearing	Dist.
L1	N 59°27' W	2,629.1'
L2	N 53°39' W	1,544.3'
L3	N 87°51' E	1,890.0'
L4	S 47°06' W	2,954.5'

Note: 1 spring was 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 or husbandry are located within 625' of the center of the well pad. There were no gas wells found or documented within 3000' of the proposed well.

Wellhead Layout (NTS)



Lease	
A	Thomas & Cynthia H. Hall
B	Larry Steven & Diane Helmick
C	Peter W. & Irmagard E. Guenter, Joint Living Trust
D	Sam Maxson
E	Joseph W. Anderson
F	BRC Appalachian Minerals I, LLC
G	Mary Frances Carpenter
H	Blackrock Enterprises, LLC
J	H3, LLC
K	WV Division of Natural Resources

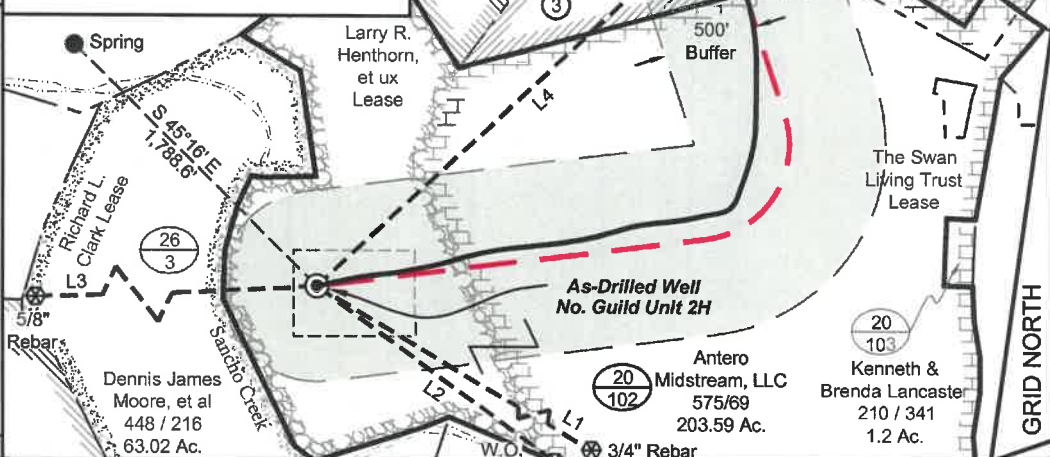
Legend

- Proposed gas well
- Monument, as noted
- Existing Well, as noted
- Creek or Drain
- Surface boundary (approx.)
- Interior surface tracts (approx.)

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Notes:
West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.
Well No. Guild Unit 2H Top Hole coordinates are
N: 357,276.50' Latitude: 39°28'20.12"
E: 1,599,579.70' Longitude: 80°55'06.54"
Bottom Hole coordinates are
N: 364,641.27' Latitude: 39°29'32.95"
E: 1,599,918.67' Longitude: 80°55'03.70"
UTM Zone 17, NAD 1983
Top Hole Coordinates Bottom Hole Coordinates
N: 4,369,197.163m N: 4,371,442.597m
E: 507,026.197m E: 507,092.005m
Plat orientation and corner and well references are based upon the grid north meridian.
Well location references are based upon the magnetic meridian.

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ROYALTY OWNER: The Swan Living Trust; Larry R. Henthorn, et ux; Sam Maxson; LEASE NO: ACREAGE: 35; 8.54375;
PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
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