

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

API 47 - 103 - 03403 County Wetzel District Green
Quad Porter Falls Pad Name Gadd Field/Pool Name -----
Farm name William & Delores Gadd Well Number Blake 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 4377845m Easting 521036m
Landing Point of Curve Northing 4378078.02m Easting 521091.27m
Bottom Hole Northing 4381423m Easting 519932m

Elevation (ft) 1223' 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 6/14/2021 Date drilling commenced 8/4/2021 Date drilling ceased 8/14/2021
Date completion activities began 11/3/2021 Date completion activities ceased 1/16/2022
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 350' Open mine(s) (Y/N) depths No **08/12/2022**
Salt water depth(s) ft 1917' Void(s) encountered (Y/N) depths No
Coal depth(s) ft 971' Cavern(s) encountered (Y/N) depths No
Is coal being mined in area (Y/N) No

Reviewed by:

WR-35
Rev. 8/23/13

API 47-103 - 03403 Farm name William & Delores Gadd Well number Blake 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	24"	20"	80'	New	94#, H-40	N/A	Y
Surface	17-1/2"	13-3/8"	444'	New	54.5#, J-55	N/A	Y
Coal							
Intermediate 1	12-1/4"	9-5/8"	2566'	New	36#, J-55	N/A	Y
Intermediate 2							
Intermediate 3							
Production	8-3/4"/8-1/2"	5-1/2"	19438'	New	20#, P-100	N/A	Y
Tubing		2-3/8"	7189'		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	252 sx	15.6	1.18	54	0'	8 Hrs.
Surface	Class A	460 sx	15.8	1.20	95	0'	8 Hrs.
Coal							
Intermediate 1	Class A	910 sx	15.8	1.17	187	0'	8 Hrs.
Intermediate 2							
Intermediate 3							
Production	Class H	792 sx (Lead) 3352 sx (Tail)	13.5 (Lead), 15.2(Tail)	1.4 (Lead), 1.32 (Tail)	683	~500' into Intermediate Casing	8 Hrs.
Tubing							

Drillers TD (ft) 19488' MD, 6958' TVD (BHL), 7000' (Deepest Point Drilled) Loggers TD (ft) 19488' MD
 Deepest formation penetrated Marcellus Plug back to (ft) N/A
 Plug back procedure N/A

Kick off depth (ft) 6170'

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 08/12/2022

WAS WELL COMPLETED OPEN HOLE? Yes No DETAILS _____

WERE TRACERS USED Yes No TYPE OF TRACER(S) USED N/A

API 47- 103 - 03403 Farm name William & Delores Gadd Well number Blake 1H

PRODUCING FORMATION(S)	DEPTHS		
	6908' (TOP)	TVD	7234' (TOP) MD
Marcellus			

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 11221 mcfpd Oil 350 bpd NGL --- bpd Water 738 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 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 Energy Services
Address 3000 W. Sam Houston Pkwy City Houston State TX Zip 76114 08/12/2022

Please insert additional pages as applicable.

Completed by Brandi Hankins Telephone 304-842-9759
Signature  Title Completions Technician Date 8/1/22

API 47-103-03403 Farm Name William & Delores Gadd Well Number Blake Unit 1H

Stage No.	Perforation Date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formations
1	11/03/2021	19368.7	19324.5	36	Marcellus
2	11/03/2021	19283.48065	19070.5646	36	Marcellus
3	11/03/2021	19032.74524	18819.8292	36	Marcellus
4	11/04/2021	18782.00982	18569.0938	36	Marcellus
5	11/04/2021	18531.2744	18318.3583	36	Marcellus
6	11/04/2021	18280.53899	18067.6229	36	Marcellus
7	11/05/2021	18029.80357	17816.8875	36	Marcellus
8	11/05/2021	17779.06815	17566.1521	36	Marcellus
9	11/05/2021	17528.33274	17315.4167	36	Marcellus
10	11/06/2021	17277.59732	17064.6813	36	Marcellus
11	11/06/2021	17026.8619	16813.9458	36	Marcellus
12	11/07/2021	16776.12649	16563.2104	36	Marcellus
13	11/07/2021	16525.39107	16312.475	36	Marcellus
14	11/07/2021	16274.65565	16061.7396	36	Marcellus
15	11/08/2021	16023.92024	15811.0042	36	Marcellus
16	11/08/2021	15773.18482	15560.2688	36	Marcellus
17	11/08/2021	15522.4494	15309.5333	36	Marcellus
18	11/09/2021	15271.71399	15058.7979	36	Marcellus
19	11/09/2021	15020.97857	14808.0625	36	Marcellus
20	11/10/2021	14770.24315	14557.3271	36	Marcellus
21	11/10/2021	14519.50774	14306.5917	36	Marcellus
22	11/10/2021	14268.77232	14055.8563	36	Marcellus
23	11/11/2021	14018.0369	13805.1208	36	Marcellus
24	11/11/2021	13767.30149	13554.3854	36	Marcellus
25	11/11/2021	13516.56607	13303.65	36	Marcellus
26	11/11/2021	13265.83065	13052.9146	36	Marcellus
27	11/12/2021	13015.09524	12802.1792	36	Marcellus
28	11/12/2021	12764.35982	12551.4438	36	Marcellus
29	11/12/2021	12513.6244	12300.7083	36	Marcellus
30	11/13/2021	12262.88899	12049.9729	36	Marcellus
31	11/13/2021	12012.15357	11799.2375	36	Marcellus
32	11/13/2021	11761.41815	11548.5021	36	Marcellus
33	11/14/2021	11510.68274	11297.7667	36	Marcellus
34	11/14/2021	11259.94732	11047.0313	36	Marcellus
35	11/14/2021	11009.2119	10796.2958	36	Marcellus
36	11/14/2021	10758.47649	10545.5604	36	Marcellus
37	11/15/2021	10507.74107	10294.825	36	Marcellus
38	11/15/2021	10257.00565	10044.0896	36	Marcellus
39	11/15/2021	10006.27024	9793.35417	36	Marcellus
40	11/16/2021	9755.534821	9542.61875	36	Marcellus
41	11/17/2021	9504.799405	9291.88333	36	Marcellus
42	11/17/2021	9254.063988	9041.14792	36	Marcellus
43	11/17/2021	9003.328571	8790.4125	36	Marcellus
44	11/18/2021	8752.593155	8539.67708	36	Marcellus
45	11/19/2021	8501.857738	8288.94167	36	Marcellus
46	11/19/2021	8251.122321	8038.20625	36	Marcellus
47	11/20/2021	8000.386905	7787.47083	36	Marcellus
48	11/20/2021	7749.651488	7536.73542	36	Marcellus
49	11/20/2021	7498.916071	7286	36	Marcellus

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API 47-103-03403 Farm Name William & Delores Gadd Well Number Blake 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	11/03/2021	64.16	8883	8391	4495	179480	270243	N/A
2	11/03/2021	79.5	8519	7137	5072	501916	477016	N/A
3	11/03/2021	77.69	8841	6087	4279	502765	425315	N/A
4	11/04/2021	79.02	8937	5825	4458	489365	396091	N/A
5	11/04/2021	85.4	8824	5426	4635	501982	383648	N/A
6	11/04/2021	85.7	8634	5260	4494	500965	403551	N/A
7	11/05/2021	86.74	8777	5384	4397	501677	374735	N/A
8	11/05/2021	88.51	8766	7365	4528	502039	365433	N/A
9	11/05/2021	82.13	8660	5242	4062	501038	364583	N/A
10	11/06/2021	85.12	8693	6544	4371	501884	369436	N/A
11	11/06/2021	88.52	8712	5409	4253	501252	380773	N/A
12	11/07/2021	86.38	8520	5268	4101	501566	370075	N/A
13	11/07/2021	86	8463	6287	4237	502025	409466	N/A
14	11/07/2021	83.93	8561.37	8246.46	4262.21	501971	361770	N/A
15	11/08/2021	88.08	8656	6560	4045	502004	362251	N/A
16	11/08/2021	90.98	8577	8654	3929	502024	413251	N/A
17	11/08/2021	88.41	8652	6571	4126	500718	362494	N/A
18	11/09/2021	91.04	8609	7968	4025	502098	412477	N/A
19	11/09/2021	89.77	8668	6554	4189	502018	363732	N/A
20	11/10/2021	89.78	8605	6406	4308	502085	358569	N/A
21	11/10/2021	89.85	8683	7250	4182	502023	360877	N/A
22	11/10/2021	90.81	8688	7075	4424	487898	354600	N/A
23	11/11/2021	89.24	8827	6642	4157	495918	360263	N/A
24	11/11/2021	88	8720	6967	4093	502660	355676	N/A
25	11/11/2021	90	8591	6523	3890	497440	353102	N/A
26	11/11/2021	89.22	8728	6397	4062	509360	358315	N/A
27	11/12/2021	92.32	8678	6427	4228	496460	352753	N/A
28	11/12/2021	94.7	8584	7523	4209	500950	356994	N/A
29	11/12/2021	98.17	8677	6770	4506	506620	361330	N/A
30	11/13/2021	98.27	8501	5821	4241	503530	361978	N/A
31	11/13/2021	96.89	8590	8054	4225	501260	357205	N/A
32	11/13/2021	98.18	8541	6563	4218	499580	357277	N/A
33	11/14/2021	97.32	8514	6326	4213	504610	357707	N/A
34	11/14/2021	97.51	8579	6506	4170	502190	358812	N/A
35	11/14/2021	98.08	8419	7694	4047	512730	360376	N/A
36	11/14/2021	98.34	8519	6389	4271	503650	360476	N/A
37	11/15/2021	97.98	8393	5675	4527	504100	356759	N/A
38	11/15/2021	98.32	8306	8097	4161	504830	357647	N/A
39	11/15/2021	97.13	8255	6714	4309	501620	357291	N/A
40	11/16/2021	97.86	7990	5697	4107	505540	356538	N/A
41	11/17/2021	95.82	7760.74	5607.31	4472.13	516600	371828	N/A
42	11/17/2021	98.85	7859	6643	4448	492786	352203	N/A
43	11/17/2021	98.44	7824	5511	4172	503700	358958	N/A
44	11/18/2021	96.09	7661	6903	3859	507420	361772	N/A
45	11/19/2021	98.66	7616	6122	4104	516797	362644	N/A
46	11/19/2021	97.81	7736	6902	3899	501520	368614	N/A
47	11/20/2021	98.59	7708	7347	4616	494070	341926	N/A
48	11/20/2021	98.79	7608	7053	4109	492006	356564	N/A
49	11/20/2021	98.91	7578	7045	4293	501070	376042	N/A
	AVG=	91	8,443	6,629	4,255	24,269,810	18,031,436	TOTAL

08/12/2022

API 47-103-03403 Farm Name William & Delores Gadd Well Number Blake Unit 1H

EXHIBIT 3

LITHOLOGY/ FORMATION	TOP DEPTH (TVD)	BOTTOM DEPTH (TVD)	TOP DEPTH (MD)	BOTTOM DEPTH (MD)
	From Surface	From Surface	From Surface	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	2,132	1,710	2,164
Big Lime	2,162	2,588	2,134	2,589
Fifty Foot Sandstone	2,588	2,767	2,559	2,769
Gordon	2,767	3,009	2,739	3,012
Fifth Sandstone	3,009	3,053	2,982	3,056
Bayard	3,053	4,000	3,026	4,015
Speechley	4,000	4,124	3,985	4,141
Balltown	4,124	4,599	4,111	4,624
Bradford	4,599	5,155	4,594	5,188
Benson	5,155	5,568	5,158	5,609
Alexander	5,568	6,731	5,579	6,850
Sycamore	6,576	6,701	6,657	6,820
Middlesex	6,701	6,801	6,820	6,974
Burkett	6,801	6,831	6,974	7,028
Tully	6,831	6,908	7,028	7,234
Marcellus	6,908	NA	7,234	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.

08/12/2022

Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	11/2/2021
Job End Date:	11/20/2021
State:	West Virginia
County:	Wetzel
API Number:	47-103-03403-00-00
Operator Name:	Antero Resources Corporation
Well Name and Number:	BLAKE UNIT 1H
Latitude:	39.54995000
Longitude:	-80.75533000
Datum:	WGS84
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	7,000
Total Base Water Volume (gal):	18,672,329
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	86.60599	Density = 8.50
Ingredients	Listed Above	Listed Above					
			Water	7732-18-5	100.00000	0.07000	

Sand-Common White-100 Mesh, SSA-2	Halliburton	Proppant					
				Listed Below			
Exceletrate LX-15	Halliburton	Friction Reducer					
				Listed Below			
HAI-501	Halliburton	Acid Corrosion Inhibitor					
				Listed Below			
OPTIFLO-II DELAYED RELEASE BREAKER	Halliburton	Breaker					
				Listed Below			
WG-36 GELLING AGENT	Halliburton	Gelling Agent					
				Listed Below			
HYDROCHLORI C ACID, 22 BAUME	Halliburton	Solvent					
				Listed Below			
FLUID Enviro- Syn HCR-7000- WL	Fluid Energy Group	Acid Replacement					
				Listed Below			
MC B-8614A	MultiChem	Biocide					
				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	13.24333	
			Complex Amine Compound	Proprietary	60.00000	0.03562	
			Hydrotreated light petroleum distillate	64742-47-8	30.00000	0.01781	
			Proprietary	Proprietary	20.00000	0.01051	
			Hydrochloric acid	7647-01-0	30.00000	0.00783	
			Proprietary	Proprietary	10.00000	0.00525	
			Guar gum	9000-30-0	100.00000	0.00425	
			Sorbitan, mono-9-octadecenoate, (Z)	1338-43-8	5.00000	0.00297	
			Surfactant	Proprietary	5.00000	0.00297	
			Glutaraldehyde	111-30-8	30.00000	0.00249	
			Ethoxylated alcohols	Proprietary	5.00000	0.00060	
			Alkoxyated polyhydric alcohol	Proprietary	1.00000	0.00059	
			Organic chloride compound	Proprietary	1.00000	0.00059	
			Alkyl (C12-16) dimethylbenzyl ammonium chloride	68424-85-1	5.00000	0.00041	
			Ammonium persulfate	7727-54-0	100.00000	0.00011	
			Ethanol	64-17-5	1.00000	0.00008	
			Methanol	67-56-1	100.00000	0.00005	
			Oxylated phenolic resin	Proprietary	30.00000	0.00003	
			Modified thiourea polymer	Proprietary	30.00000	0.00001	
			Mixture of dimer and trimer fatty acids of indefinite composition derived from tall oil	61790-12-3	30.00000	0.00001	
			Nitrated acetate salt	Proprietary	0.01000	0.00001	
			Sodium glycolate	2836-32-0	0.01000	0.00001	
			Acrylamide	79-06-1	0.01000	0.00001	
			Organic salt #2	Proprietary	0.01000	0.00001	

			Sodium hydroxide	1310-73-2	0.01000	0.00001	
			Organic salt #1	Proprietary	0.01000	0.00001	
			Formaldehyde	50-00-0	0.01000	0.00001	
			Hexadecene	629-73-2	5.00000	0.00000	
			Propargyl alcohol	107-19-7	5.00000	0.00000	
			C.I. pigment Orange 5	3468-63-1	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)

1,502' to Top Hole

5,093' to Bottom Hole

LATITUDE 39 - 35 - 00

LONGITUDE 80 - 45 - 00

12,159' to Top Hole

Antero Resources Well No. Blake 1H As-Drilled

Antero Resources Corporation



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.

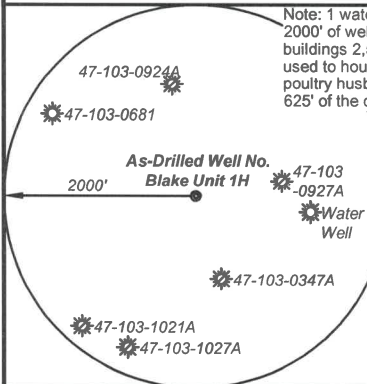
I, the undersigned, hereby certify that this plat is correct to the best of my knowledge and belief and shows all the information required by law and the rules issued and prescribed by the Department of Environmental Protection.

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



SEAL

Note: 1 water well was found within 2000' of 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.

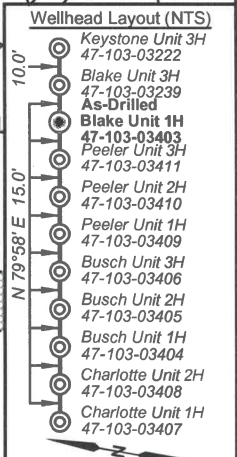
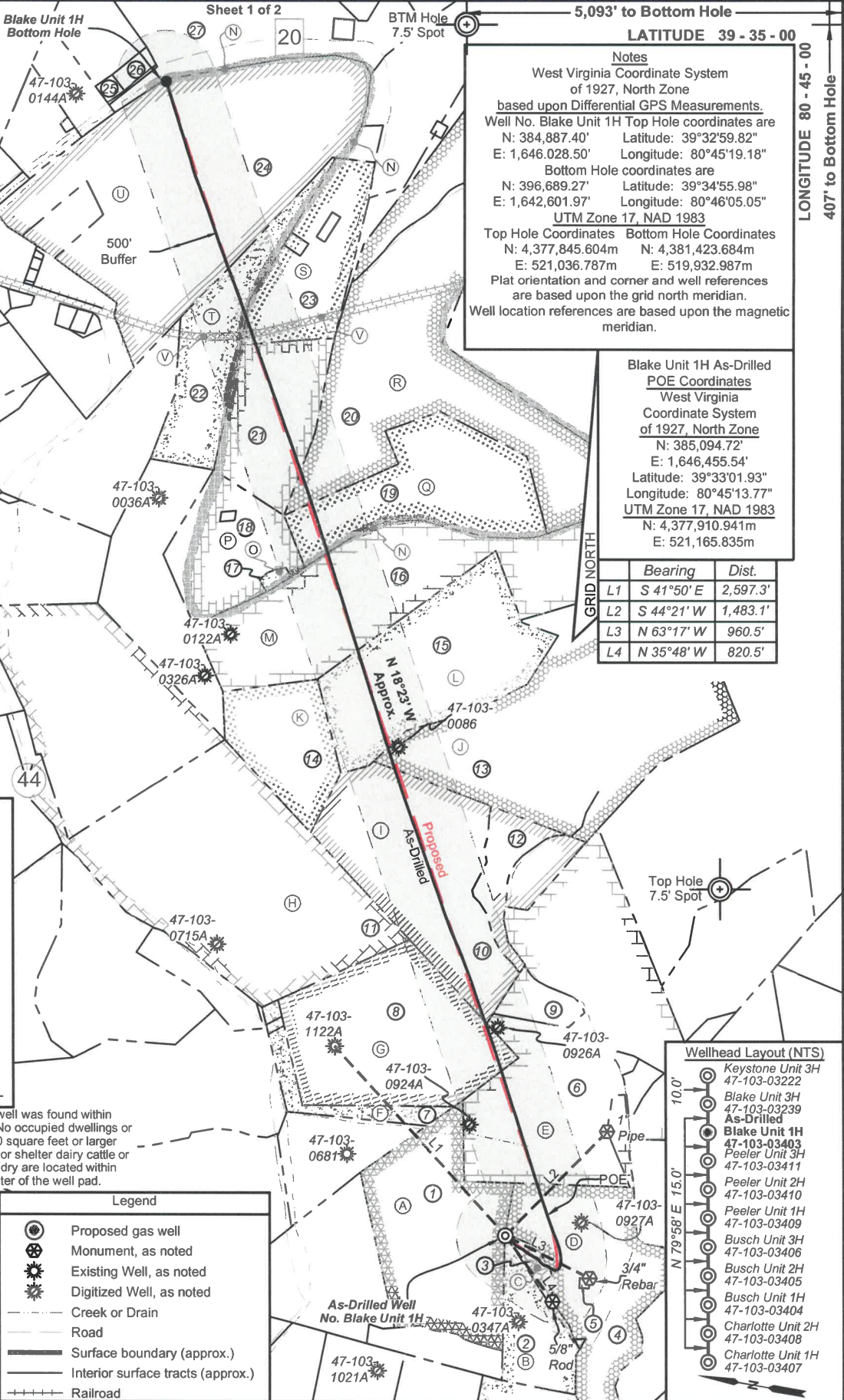


Legend	
	Proposed gas well
	Monument, as noted
	Existing Well, as noted
	Digitized Well, as noted
	Creek or Drain
	Road
	Surface boundary (approx.)
	Interior surface tracts (approx.)
	Railroad

Notes
West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.
Well No. Blake Unit 1H Top Hole coordinates are
N: 384,887.40' Latitude: 39°32'59.82"
E: 1,646,028.50' Longitude: 80°45'19.18"
Bottom Hole coordinates are
N: 396,689.27' Latitude: 39°34'55.98"
E: 1,642,601.97' Longitude: 80°46'05.05"
UTM Zone 17, NAD 1983
Top Hole Coordinates Bottom Hole Coordinates
N: 4,377,845.604m N: 4,381,423.684m
E: 521,036.787m E: 519,932.987m
Plat orientation and corner and well references are based upon the grid north meridian.
Well location references are based upon the magnetic meridian.

Blake Unit 1H As-Drilled POE Coordinates
West Virginia Coordinate System of 1927, North Zone
N: 385,094.72'
E: 1,646,455.54'
Latitude: 39°33'01.93"
Longitude: 80°45'13.77"
UTM Zone 17, NAD 1983
N: 4,377,910.941m
E: 521,165.835m

Bearing	Dist.
L1 S 41°50' E	2,597.3'
L2 S 44°21' W	1,483.1'
L3 N 63°17' W	960.5'
L4 N 35°48' W	820.5'



FILE NO: 233-34-G-17
DRAWING NO: Blake 1H 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: March 16 2022
OPERATOR'S WELL NO. Blake Unit 1H
API WELL NO
47 - 103 - 03403
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: As-Built 1,223.8' WATERSHED: Fishing Creek QUADRANGLE: Porter Falls
DISTRICT: Green William L. & CSX Transportation, Inc.; Rita Cain Sherman; Stone Hill Minerals Holding, LLC COUNTY: Wetzel 08/15/2022
SURFACE OWNER: Delores J. Gadd Bounty Minerals, LLC; Kenneth Gary Himelrick, et ux; Richards Resources; ACREAGE: 14.0 66.5; 100.925; 80;
ROYALTY OWNER: Shiben Estates, Inc. (2); David A. Dickey; John W. Bertram; Gordon Cummings; LEASE NO: ACREAGE: 46; 113.53; 36; 138 60; 123.8; 67.65;

PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) As-Drilled 6,958' TVD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 19,488' MD

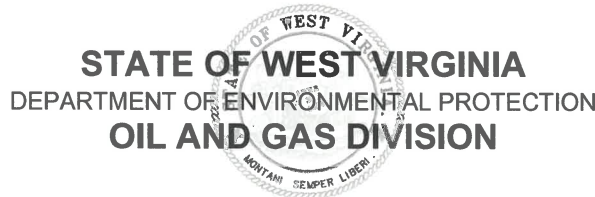
WELL OPERATOR: Antero Resources Corporation DESIGNATED AGENT: Dianna Stamper - CT Corporation System
ADDRESS: 1615 Wynkoop Street ADDRESS: 5400 D Big Tyler Road
Denver, CO 80202 Charleston, WV 25313



ID	TM/Par	Owner	Bk/Pg	Acres
1	16-22	William L. & Delores J. Gadd	348/169	60.50
2	16-30	William L. & Delores J. Gadd	348/169	14.00
3	16-31	William L. & Delores J. Gadd	348/169	2.65
4	16-23	Kenneth E. Butler	331/110	50.97
5	16-23.1	Wetzel County Public Service District 1	433/851	0.23
6	16-10	Loren & Shirley Haught	444/434	100.48
7	16-21.3	Mildred E. Caseman	WB45/396	12.00
8	16-9	Richard A. & Susan L. Gardner	341/281	66.50
9	16-10.2	Loren & Shirley Haught	422/699	6.78
10	12-56	Ronald K. Burgess	WB25/275	69.37
11	12-55	Bradley W. Ueltschy	330/37	100.00
12	13-86	William C. & Alice Raye Burgess	278/483	11.13
13	13-41	Shari D. Burgess	432/665	95.08
14	12-41	Robert W. & Bradley W. Ueltschy	341/261	29.00
15	12-51	James Gail Morgan, Jr.	300/3	60.00
16	13-27	Donald P. Vandyke & Mark L. Vandyke	410/241	123.80
17	12-42.2	Donald P. Vandyke & Mark L. Vandyke	410/241	1.00
18	12-42	Donald P. Vandyke & Mark L. Vandyke	410/241	29.65
19	12-58	Donald P. Vandyke & Mark L. Vandyke	425/472	46.00
20	12-33	Kevin E. & Carol L. Cunningham	397/533	84.68
21	12-32	Donald P. Vandyke & Mark L. Vandyke	410/241	38.00
22	12-31	Bruce Allen Lawhorne, et al	419/878	40.00
23	12-12	Jenny L. Dinsmore & Mary E. Carpenter	452/85	33.75
24	12-11	Timothy L. & Michael A. McDiffitt	385/189	131.34
25	8-35	George Woofter	286/203	1.00
26	8-36.1	Agenes M. Ice	367/290	2.00
27	8-36	Holbert W. Carrel Sr.	416/390	72.68

Leases	
A	Shiben Estates, Inc.
B	David A. Dickey
C	John W. Bertram
D	BRC Appalachian Minerals I, LLC
E	Gordon Cummings
F	Sielger Family Trust
G	Thomas E. Morris
H	Lee & Hall Royalties
I	Chesapeake Appalachia, LLC
J	P&P Fujimo, LLC
K	Bradley Warren Ueltschy
L	James Gail Morgan, Jr.
M	Shiben Estates, Inc.
N	WV Division of Natural Resources
O	Donald VanDyke
P	Donald VanDyke
Q	Stone Hill Minerals Holdings, LLC
R	Bounty Minerals, LLC
S	Kenneth Gary Himelrick, et ux
T	Rita Cain Sherman
U	Richards Resources
V	CSX Transportation, Inc.

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 ROYALTY OWNER: Shiben Estates, Inc. (2); David A. Dickey; John W. Bertram; Gordon Cummings; LEASE NO: ACREAGE: 46; 113.53; 36; 138
 BRC Appalachian Minerals I, LLC; Thomas E. Morris; P&P Fujimo, LLC; WVDNR; 66.5; 100.925; 80;
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