

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

API 47 - 103 - 03239 County Wetzel District Green
Quad Porter Falls 7.5' Pad Name Gadd Pad Field/Pool Name ----
Farm name William L. & Delores J. Gadd Well Number Blake 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 4377846.314m Easting 521041.310m
Landing Point of Curve Northing 4378225.11m Easting 5214785.54m
Bottom Hole Northing 4381496.680m Easting 520357.353m

Elevation (ft) 1224' 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 8/8/2018 Date drilling commenced 11/2/2018 Date drilling ceased 1/5/2019
Date completion activities began 3/15/2019 Date completion activities ceased 4/14/2019
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
Salt water depth(s) ft 1887', 1894', 1917' Void(s) encountered (Y/N) depths No
Coal depth(s) ft 656', 912', 971' Cavern(s) encountered (Y/N) depths No
Is coal being mined in area (Y/N) No

APPROVED
Reviewed by: [Signature]
07/19/2024

API 47- 103 - 03239 Farm name William L. & Delores J. Gadd Well number Blake 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	24"	20"	80'	New	94#, H-40	N/A	Y
Surface	17-1/2"	13-3/8"	507'	New	48#, H-40	N/A	Y
Coal							
Intermediate 1	12-1/4"	9-5/8"	2678'	New	36#, J-55	N/A	Y
Intermediate 2							
Intermediate 3							
Production	8-3/4"/8-1/2"	5-1/2"	19501'	New	23#, P-110	N/A	Y
Tubing		2-3/8"	7591'		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	sx	15.6	1.18	120	0'	8 Hrs.
Surface	Class A	450 sx	15.6	1.18	826	0'	8 Hrs.
Coal							
Intermediate 1	Class A	925 sx	15.6	1.18	1181	0'	8 Hrs.
Intermediate 2							
Intermediate 3							
Production	Class H	840 sx (Lead) 1672 sx (Tail)	13.5 (Lead), 15.2 (Tail)	1.53 (Lead), 1.83 (Tail)		0' Intermediate Casing	8 Hrs.
Tubing							

Drillers TD (ft) 18815' MD, 7056' TVD (BHL), 7057' (Deepest Point Drilled) Loggers TD (ft) 18815' MD
 Deepest formation penetrated Marcellus Plug back to (ft) N/A
 Plug back procedure N/A

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Kick off depth (ft) 6500'

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

Well cored Yes No Conventional Sidewall Were cuttings collected Yes No

DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING _____

Conductor - 0
 Surface - 1 above guide shoe, 1 above insert float, 1 every 4th joint to surface
 Intermediate - 1 above float joint, 1 above float collar, 1 every 4th joint to surface
 Production - 1 above float joint, 1 below float collar, 1 every 3rd joint to top of cement

WAS WELL COMPLETED AS SHOT HOLE Yes No DETAILS _____

WAS WELL COMPLETED OPEN HOLE? Yes No DETAILS _____

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

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API 47- 103 - 03239 Farm name William L. & Delores J. Gadd Well number Blake Unit 3H

<u>PRODUCING FORMATION(S)</u>	<u>DEPTHS</u>		
<u>Marcellus</u>	<u>6911' (TOP)</u>	<u>TVD</u>	<u>7658' (TOP)</u> <u>MD</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

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 1419 mcfpd Oil 165 bpd NGL --- bpd Water 1127 bpd GAS MEASURED BY Estimated Orifice Pilot

LITHOLOGY/ FORMATION	TOP DEPTH IN FT NAME 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 ₂ S, ETC)
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***PLEASE SEE ATTACHED EXHIBIT 3**

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Please insert additional pages as applicable.

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

Logging Company KLX Energy Services
Address 1036 E Main St City Bridgeport State WV Zip 26330

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

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

Please insert additional pages as applicable.

Completed by Carly Marvel Telephone 303-357-7223
Signature Carly Marvel Title Permitting Agent Date 5/9/2024

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

07/19/2024 

API 47-103-03239 Farm Name William L. & Delores J. Gadd Well Number Blake Unit 3H

EXHIBIT 1

Stage No.	Perforation Date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formations
1	3/15/2019	19355		60	Marcellus
2	3/16/2019	19154.39	19323.565	60	Marcellus
3	3/16/2019	18953.78	19122.955	60	Marcellus
4	3/16/2019	18753.17	18922.345	60	Marcellus
5	3/17/2019	18552.56	18721.735	60	Marcellus
6	3/17/2019	18351.95	18521.125	60	Marcellus
7	3/17/2019	18151.34	18320.515	60	Marcellus
8	3/17/2019	17950.73	18119.905	60	Marcellus
9	3/18/2019	17750.12	17919.295	60	Marcellus
10	3/18/2019	17549.51	17718.685	60	Marcellus
11	3/18/2019	17348.9	17518.075	60	Marcellus
12	3/19/2019	17148.29	17317.465	60	Marcellus
13	3/19/2019	16947.68	17116.855	60	Marcellus
14	3/19/2019	16747.07	16916.245	60	Marcellus
15	3/20/2019	16546.46	16715.635	60	Marcellus
16	3/20/2019	16345.85	16515.025	60	Marcellus
17	3/20/2019	16145.24	16314.415	60	Marcellus
18	3/21/2019	15944.63	16113.805	60	Marcellus
19	3/21/2019	15744.02	15913.195	60	Marcellus
20	3/21/2019	15543.41	15712.585	60	Marcellus
21	3/22/2019	15342.8	15511.975	60	Marcellus
22	3/22/2019	15142.19	15311.365	60	Marcellus
23	3/22/2019	14941.58	15110.755	60	Marcellus
24	3/23/2019	14740.97	14910.145	60	Marcellus
25	3/23/2019	14540.36	14709.535	60	Marcellus
26	3/23/2019	14339.75	14508.925	60	Marcellus
27	3/24/2019	14139.14	14308.315	60	Marcellus
28	3/25/2019	13938.53	14107.705	60	Marcellus
29	3/25/2019	13737.92	13907.095	60	Marcellus
30	3/25/2019	13537.31	13706.485	60	Marcellus
31	3/26/2019	13336.7	13505.875	60	Marcellus
32	3/26/2019	13136.09	13305.265	60	Marcellus
33	3/26/2019	12935.48	13104.655	60	Marcellus
34	3/27/2019	12734.87	12904.045	60	Marcellus
35	3/27/2019	12534.26	12703.435	60	Marcellus
36	3/28/2019	12333.65	12502.825	60	Marcellus
37	3/28/2019	12133.04	12302.215	60	Marcellus
38	3/28/2019	11932.43	12101.605	60	Marcellus
39	3/29/2019	11731.82	11900.995	60	Marcellus
40	3/29/2019	11531.21	11700.385	60	Marcellus
41	3/29/2019	11330.6	11499.775	60	Marcellus
42	3/29/2019	11129.99	11299.165	60	Marcellus
43	3/30/2019	10929.38	11098.555	60	Marcellus
44	3/30/2019	10728.77	10897.945	60	Marcellus
45	3/30/2019	10528.16	10697.335	60	Marcellus
46	3/31/2019	10327.55	10496.725	60	Marcellus
47	3/31/2019	10126.94	10296.115	60	Marcellus
48	3/31/2019	9926.33	10095.505	60	Marcellus
49	4/1/2019	9725.72	9894.895	60	Marcellus
50	4/1/2019	9525.11	9694.285	60	Marcellus
51	4/1/2019	9324.5	9493.675	60	Marcellus
52	4/2/2019	9123.89	9293.065	60	Marcellus
53	4/2/2019	8923.28	9092.455	60	Marcellus
54	4/2/2019	8722.67	8891.845	60	Marcellus
55	4/3/2019	8522.06	8691.235	60	Marcellus
56	4/3/2019	8321.45	8490.625	60	Marcellus
57	4/3/2019	8120.84	8290.015	60	Marcellus
58	4/3/2019	7920.23	8089.405	60	Marcellus
59	4/3/2019	7719.62	7888.795	60	Marcellus
60	4/4/2019	7519.01	7688.185	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	3/15/2019	58.4	8156	7090	3884	210150	7352.73	N/A
2	3/16/2019	69.72046	8125.87	6291	4875	502100	9395.08	N/A
3	3/16/2019	71.7	8366	5621	5186	502550	9304.04	N/A
4	3/16/2019	72.28844	8026.379	5921	5404	502150	9302.81	N/A
5	3/17/2019	68.29139	7825.462	6068	5214	502350	9128.11	N/A
6	3/17/2019	72.4	8035	6621	5084	501400	9309.47	N/A
7	3/17/2019	72.88448	8028.949	6305	5198	501500	9212.32	N/A
8	3/17/2019	72.96874	8116.046	6276	5145	508050	9157.74	N/A
9	3/18/2019	69.27663	7932.099	6464	5314	502250	9197.06	N/A
10	3/18/2019	76.87744	8246.973	6667	5418	502450	8990.73	N/A
11	3/18/2019	70.92592	7936.875	6745	5300	502050	9296.27	N/A
12	3/19/2019	71.27102	7879.341	6001	5362	494050	9135.33	N/A
13	3/19/2019	72.69366	7913.456	6441	5305	506750	9504.82	N/A
14	3/19/2019	73.29644	7925.524	6285	5242	501800	9056.45	N/A
15	3/20/2019	74.9701	8000.922	6236	5366	502550	9075.14	N/A
16	3/20/2019	74.31272	7969.973	6148	5380	504500	9116.87	N/A
17	3/20/2019	74.40475	7993.004	6178	5297	502400	9362.53	N/A
18	3/21/2019	75.58346	7830.055	6010	4909	502400	9650.29	N/A
19	3/21/2019	74.69776	7851.407	6702	5117	502800	9051.9	N/A
20	3/21/2019	74.38463	7795.037	6616	5256	502150	8954.03	N/A
21	3/22/2019	76.3839	7952.496	6048	5342	502000	8939.41	N/A
22	3/22/2019	74.33274	8050.164	6663	5317	501750	9151.93	N/A
23	3/22/2019	74.50162	7955.406	6445	5300	500350	9001.21	N/A
24	3/23/2019	75.92874	8134.831	6159	5377	502200	9116.76	N/A
25	3/23/2019	74.57934	8003.439	6187	5236	501750	9074.5	N/A
26	3/23/2019	74.04105	7754.313	5947	5134	501800	9871.28	N/A
27	3/24/2019	76.01614	7637.044	5963	5292	502350	9010.29	N/A
28	3/25/2019	76.65722	7775.456	6389	5268	502650	9019.35	N/A
29	3/25/2019	76.62825	7917.536	6705	4737	500800	9018.25	N/A
30	3/25/2019	75.16502	7743.085	6238	5173	502700	8985.07	N/A
31	3/26/2019	73.8181	7785.892	6527	5145	502050	8904.78	N/A
32	3/26/2019	69.47662	7680.316	5981	4679	503550	8915.35	N/A
33	3/26/2019	76.41794	7988.73	5760	5043	502000	8847.87	N/A
34	3/27/2019	73.7519	7700.872	6625	5239	503400	8815.98	N/A
35	3/27/2019	73.88655	7743.088	7018	5104	502600	8931	N/A
36	3/28/2019	77.05841	7724.061	6126	5210	502200	8811.72	N/A
37	3/28/2019	75.82888	7803.239	6593	5044	507500	8731.93	N/A
38	3/28/2019	78.44052	7714.724	6526	5160	502200	9062.01	N/A
39	3/29/2019	73.83005	7492.287	6351	5231	500800	8958.63	N/A
40	3/29/2019	77.83842	7672.315	7125	5112	503650	8948.29	N/A
41	3/29/2019	77.29127	7595.427	6415	4117	503700	8871.17	N/A
42	3/29/2019	72.82983	7408.617	7128	5410	502050	8826.12	N/A
43	3/30/2019	76.56601	7352.648	7000	3830	502850	9024.37	N/A
44	3/30/2019	76.20917	7486.546	7333	4769	502500	8799.98	N/A
45	3/30/2019	69.05224	7702.004	7245	4801	502250	11694.69	N/A
46	3/31/2019	69.48533	7746.378	8033	3541	503100	9235.64	N/A
47	3/31/2019	76.75831	7349.986	7413	5097	503550	8946.87	N/A
48	3/31/2019	74.80538	7335.014	6367	4813	502400	9209.27	N/A
49	4/1/2019	72.37826	6951.738	6960	4560	502350	8933.4	N/A
50	4/1/2019	74.43109	7177.346	6513	4327	502700	8918.03	N/A
51	4/1/2019	76.03278	6891.987	7532	4612	501150	8584.19	N/A
52	4/2/2019	70.45497	6959.185	7085	4819	501800	9765.39	N/A
53	4/2/2019	74.93752	7433.363	7605	4255	504000	8739.34	N/A
54	4/2/2019	74.65252	7322.981	7482	4320	503100	8770.14	N/A
55	4/3/2019	67.57705	7467.641	7172	4622	502300	10637.61	N/A
56	4/3/2019	76.13025	6984.069	6890	4296	502800	8657.91	N/A
57	4/3/2019	77.2279	7099.794	6832	4112	502600	8659.54	N/A
58	4/3/2019	78.03877	7041.336	7092	3773	502150	8770.97	N/A
59	4/3/2019	75.20393	6805.961	6747	4200	501550	8746.38	N/A
60	4/4/2019	74.04973	6636.217	7093	4460	475600	9238.52	N/A
AVG.		73.7	7,861	6,426	5,096	22,318,050	409,886	TOTAL

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LITHOLOGY/ FORMATION	TOP DEPTH (TVD)	BOTTOM DEPTH (TVD)	TOP DEPTH (MD)	BOTTOM DEPTH (MD)
	From Surface	From Surface	From Surface	From Surface
Sandstone	80	215	80	215
Silty Sandstone	215	245	215	245
Shaly sandstone	245	275	245	275
Silty Sandstone	275	425	275	425
Shaly sandstone	425	495	425	495
Silty Sandstone	495	605	495	605
Shale	605	815	605	815
Silty Sandstone	815	1,075	815	1,075
Shale w/coal interbeds	1,075	1,235	1,075	1,235
Sandy shale	1,235	1,325	1,235	1,325
Shale	1,325	1,415	1,325	1,415
Sandy shale	1,415	1,715	1,415	1,715
Shaly sandstone	1,715	1,789	1,715	1,845
Big Lime	1,814	2,601	1,820	2,677
Fifty Foot Sandstone	2,601	2,773	2,652	2,857
Gordon	2,773	3,016	2,832	3,113
Fifth Sandstone	3,016	3,063	3,088	3,164
Bayard	3,063	3,992	3,139	4,146
Speechley	3,992	4,120	4,121	4,278
Balltown	4,120	4,602	4,253	4,784
Bradford	4,602	5,149	4,759	5,364
Benson	5,149	5,570	5,339	5,809
Alexander	5,570	6,731	5,784	7,076
Sycamore	6,514	6,706	6,819	7,051
Middlesex	6,706	6,805	7,051	7,202
Burkett	6,805	6,835	7,202	7,258
Tully	6,835	6,910	7,258	7,474
Marcellus	6,910	NA	7,474	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:	3/15/2019
Job End Date:	4/4/2019
State:	West Virginia
County:	Wetzel
API Number:	47-103-03239-00-00
Operator Name:	Antero Resources Corporation
Well Name and Number:	Blake Unit 3H
Latitude:	39.54995830
Longitude:	-80.75527500
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	7,004
Total Base Water Volume (gal):	23,789,508
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	86.66013	
Calbreak 5501	CWS	Breaker					
				Listed Below			

SaniFrac 8844	CWS	Biocide					
				Listed Below			
CalGel 4000	CWS	Gel Slurry					
				Listed Below			
DAP-902	CWS	Scale Inhibitor					
				Listed Below			
DWP-641	CWS	Friction Reducer					
				Listed Below			
CI-9100G	CWS	Corrosion Inhibitor					
				Listed Below			
15% HCl Acid	CWS	Clean Perforations					
				Listed Below			
Sand (Proppant)	CWS	Propping Agent					
				Listed Below			
DAP-103	CWS	Iron Control					
				Listed Below			
Other Chemical (s)	Listed Above	See Trade Name (s) List					

				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	13.02241	
			Calcite	471-34-1	1.00000	0.08930	
			Hydrochloric acid	7647-01-0	37.00000	0.04925	
			Illite	12173-60-3	1.00000	0.04091	
			Polymer	26100-47-0	45.00000	0.02468	
			Distillates (petroleum), hydrotreated light	64742-47-8	30.00000	0.01646	
			Guar gum	9000-30-0	60.00000	0.01518	
			Distillates (petroleum), hydrotreated middle	64742-46-7	60.00000	0.01518	
			Biotite	1302-27-8	0.10000	0.01302	
			Goethite	1310-14-1	0.10000	0.01302	
			Apatite	64476-38-6	0.10000	0.01302	
			Ammonium chloride	12125-02-9	11.00000	0.00603	
			Polyethylene glycol mixture	25322-68-3	54.50000	0.00580	
			Ilmenite	98072-94-7	0.10000	0.00409	
			Sorbitan monooleate	1338-43-8	4.00000	0.00219	
			2,2-Dibromo-3-Nitrilopropionamide	10222-01-2	20.00000	0.00213	
			Polyethylene glycol monooleate	9004-96-0	3.00000	0.00165	
			Quaternary ammonium compounds, bis (hydrogenated tallow alkyl)dimethyl, salts with bentonite	68953-58-2	5.00000	0.00126	
			Sorbitol tetraoleate	61723-83-9	2.00000	0.00110	
			Ammonium Persulfate	7727-54-0	100.00000	0.00056	
			Amines, tallow alkyl, ethoxylated	61791-26-2	1.00000	0.00055	
			Citric acid	77-92-9	60.00000	0.00045	
			Sodium bromide	7647-15-6	4.00000	0.00043	

			Oxirane, 2-methyl-, polymer with oxirane, monodecyl ether	37251-67-5	1.50000	0.00038	
			Dibromoacetonitrile	3252-43-5	3.00000	0.00032	
			Alkyloxypolyethyleneoxy ethanol	84133-50-6	0.50000	0.00027	
			Vinylidene chloride-methyl acrylate copolymer	25038-72-6	20.00000	0.00011	
			Acrylamide	79-06-1	0.10000	0.00005	
			Ethylene Glycol	107-21-1	40.00000	0.00003	
			Isopropyl alcohol	67-63-0	5.00000	0.00001	
			Tar bases, quinolone derivs, benzyl chloride- quatenized	72480-70-7	10.00000	0.00001	
			Formic acid	64-18-6	10.00000	0.00001	
			Ethoxylated Alcohols	68131-39-5	10.00000	0.00001	
			Cinnamaldehyde	104-55-2	10.00000	0.00001	
			Diethylene glycol, monomethyl ether	34590-94-8	20.00000	0.00001	
			Organic Acid Salts	9003-04-7			Proprietary Additive Concentration
			Glycol	57-55-6			Proprietary Additive Concentration

* 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.

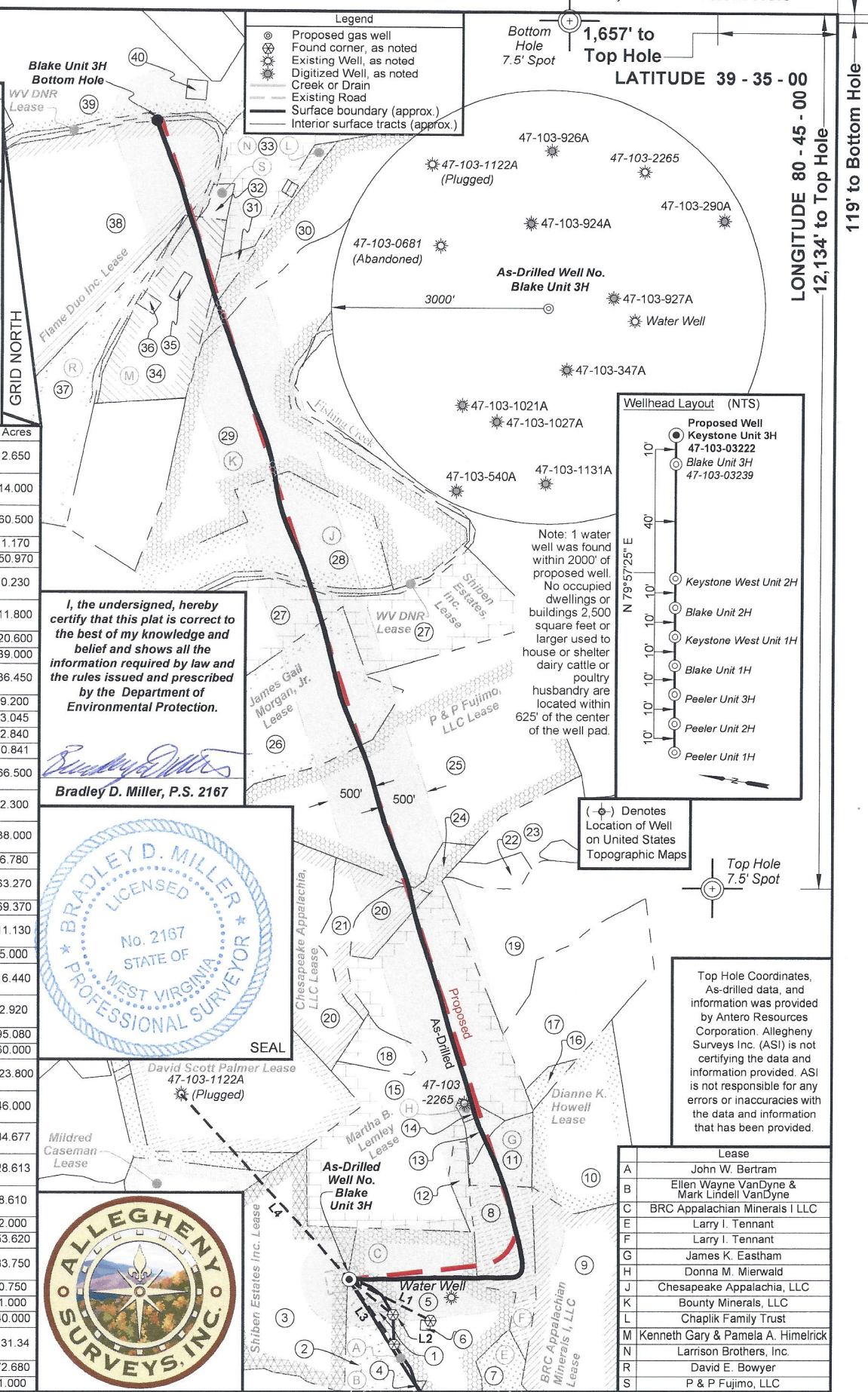
Ingredient information for chemicals subject to 29 CFR 1910.1200(i) and Appendix D are obtained from suppliers Material Safety Data Sheets (MSDS)

Antero Resources
Well No. Blake Unit 3H
As-Drilled
Antero Resources Corporation

Bearing	Dist.	Monument
L1 N 62°46' W	948.2'	3/4" Rebar
L2 N 50°33' W	584.7'	1" Pipe
L3 N 34°52' W	813.6'	5/8" Threaded Rod
L4 S 42°06' E	2,605.7'	47-103-1122A (Plug)

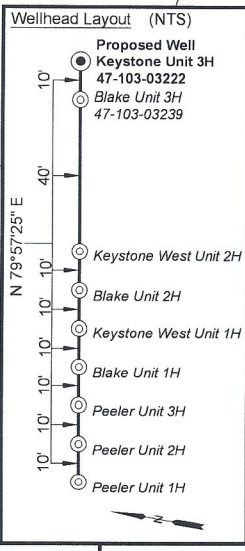
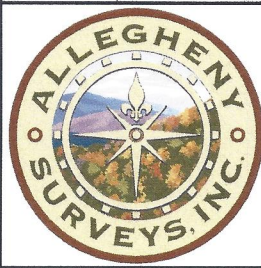
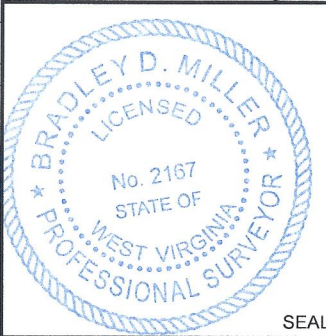
Notes:
 West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.
 Well No. Blake Unit 3H Top Hole coordinates are
 N: 384,889.48' Latitude: 39°32'59.85"
 E: 1,646,043.38' Longitude: 80°45'18.99"
 Bottom Hole coordinates are
 N: 396,905.52' Latitude: 39°34'58.32"
 E: 1,643,998.50' Longitude: 80°45'47.25"
 UTM Zone 17, NAD 1983
 Top Hole Coordinates Bottom Hole Coordinates
 N: 4,377,846.314m N: 4,381,496.680m
 E: 521,041.310m E: 520,357.353m
 Plat orientation and corner and well references are based upon the grid north meridian.
 Well location references are based upon the magnetic meridian.

TM/Par	Owner	Bk/Pg	Acres
1 16/31	William L. & Delores J. Gadd	348/169	2.650
2 16/30	William L. & Delores J. Gadd	348/169	14.000
3 16/22	William L. & Delores J. Gadd	348/169	60.500
4 16/32	Fox Cemetery	50/137	1.170
5 16/23	Kenneth E. Butler	331/110	50.970
6 16/23.1	Wetzel County Public Service District 1	433/851	0.230
7 16/33	William M. Greenwall & Lee A. Niezgoda	387/1	11.800
8 16/24	James K. Eastham II	426/734	20.600
9 16/25	James K. Eastham II	426/734	39.000
10 16/15	Richard R. & Mary Jane Scyoc	443/125	36.450
11 16/14	James K. Eastham	389/506	9.200
12 16/10.1	James K. Eastham	389/506	3.045
13 16/11	James K. Eastham	300/428	2.840
14 16/11.1	Donna M. Mierwald	355/283	0.841
15 16/10	Richard A. & Susan L. Gardner	341/281	66.500
16 16/13	Richard R. & Mary Jane Scyoc	443/125	2.300
17 16/4	Richard R. & Mary Jane Scyoc	443/125	38.000
18 16/10.2	Loren & Shirley Haught	422/699	6.780
19 13/67	Gerold F. & Debra D. Richard	398/544	63.270
20 12/56	Ronald K. Burgess	WB25/275	69.370
21 13/86	William C. & Alice Raye Burgess	278/483	11.130
22 13/67.2	Floyd M. Amos	WB66/309	5.000
23 13/67.5	Julie A. & Aaron E. Hinderman	398/322	16.440
24 13/41.1	Albert D. & Michelle D. Hornbeck	357/701	2.920
25 13/41	Shari D. Burgess	432/665	95.080
26 12/51	James Gail Morgan, Jr.	300/3	60.000
27 13/27	Donald Paul Vandyke, Mark Leslie Vandyke	410/241	123.800
28 12/58	Donald Paul Vandyke, Mark Leslie Vandyke	425/472	46.000
29 12/33	Kevin E. & Carol L. Cunningham	397/533	84.677
30 12/33.2	Kevin E. & Carol L. Cunningham	411/185	28.613
31 12/13	John & Barbara Chaplik & Chaplik Family Trust	410/256	8.610
32 8/44	Robert E. Stillwagoner	442/344	2.000
33 8/47	Larrison Brothers LLC	417/100	53.620
34 12/12	Jenny L. Dinsmore & Mary E. Carpenter	452/85	33.750
35 12/12.2	Allyn Louise Muzzy	291/71	0.750
36 12/12.1	Warren & Wiley Dawson	393/84	1.000
37 12/31	Bruce Allen Lawhorne, et al	419/878	40.000
38 12/11	Timothy Lynn McDiffitt & Michael Allen McDiffitt	385/189	131.34
39 8/36	Holbert W. Carrel Sr.	416/390	72.680
40 8/37	Erma A. & Philip J. Fox Sr.	406/300	1.000



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 is 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.

Lease	
A	John W. Bertram
B	Ellen Wayne VanDyne & Mark Lindell VanDyne
C	BRC Appalachian Minerals I LLC
E	Larry I. Tennant
F	Larry I. Tennant
G	James K. Eastham
H	Donna M. Mierwald
J	Chesapeake Appalachia, LLC
K	Bounty Minerals, LLC
L	Chaplik Family Trust
M	Kenneth Gary & Pamela A. Himelrick
N	Larrison Brothers, Inc.
R	David E. Bowyer
S	P & P Fujimo, LLC

FILE NO: 233-34-G-17
 DRAWING NO: Blake 3H Well Plat
 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: November 25 20 19
 OPERATOR'S WELL NO. Blake Unit 3H
 API WELL NO
 47 - 103 - 03239
 STATE COUNTY PERMIT

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

LOCATION: ELEVATION: As-Drilled 1224' WATERSHED: Fishing Creek QUADRANGLE: Porter Falls 2024
 DISTRICT: Green William L. & SURFACE OWNER: Delores J. Gadd
 ROYALTY OWNER: Flame Duo Inc.; Chaplik Family Trust; Bounty Minerals, LLC; John W. Bertram; LEASE NO:
 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: 6,948' TVD
 19,521' 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

RECEIVED
 Office Of Oil and Gas
 COUNTY: Wirt
 DATE: 07/19/2024
 ACREAGE: 2.65
 ACREAGE: 57.38; 20.6; 60; 2.65;