

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

API 47-095-02725 County Tyler District Ellsworth
Quad Shirley Pad Name Blizzard Field/Pool Name -----
Farm name Roger D Blizzard & Ruth E Spencer Well Number Pechora 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 4372120m Easting 512825m
Landing Point of Curve Northing 4372320.84m Easting 513644.11m
Bottom Hole Northing 4368379m Easting 515020m

Elevation (ft) 1004' 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 2/2/21 Date drilling commenced 5/18/2021 Date drilling ceased 5/30/2021
Date completion activities began 9/4/2021 Date completion activities ceased 10/12/2021
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 16' Open mine(s) (Y/N) depths No
Salt water depth(s) ft 1813' Void(s) encountered (Y/N) depths No
Coal depth(s) ft None Identified 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 47-095 - 02725 Farm name Roger D Blizzard & Ruth E Spencer Well number Pechora 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"	80'	New	94#, H-40	N/A	Y
Surface	17-1/2"	13-3/8"	357'	New	54.5#, J-55	N/A	Y
Coal							
Intermediate 1	12-1/4"	9-5/8"	2730'	New	36#, J-55	N/A	Y
Intermediate 2							
Intermediate 3							
Production	8-3/4"/8-1/2"	5-1/2"	21727'	New	23#, P-110	N/A	Y
Tubing		2-3/8"	7329'		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	266 sx	15.6	1.18	56	0'	8 Hrs.
Surface	Class A	431 sx	15.6	1.20	92	0'	8 Hrs.
Coal							
Intermediate 1	Class A	909 sx	15.6	1.19	193	0'	8 Hrs.
Intermediate 2							
Intermediate 3							
Production	Class H	792 sx (Lead) 3342 sx (Tail)	13.5 (Lead), 15.2(Tail)	1.4 (Lead), 1.26 (Tail)	747	~500' into Intermediate Casing	8 Hrs.
Tubing							

Drillers TD (ft) 21771' MD, 6619' TVD (BHL), 6621' (Deepest Point Drilled) Loggers TD (ft) 21771' MD
 Deepest formation penetrated Marcellus Plug back to (ft) N/A
 Plug back procedure N/A

Kick off depth (ft) 5891'

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

API 47- 095 - 02725 Farm name Roger D Blizzard & Ruth E Spencer Well number Pechora Unit 2H

PRODUCING FORMATION(S)	DEPTHS		
	DEPTH	TVD	MD
Marcellus	6488' (TOP)	7399' (TOP)	

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 8981 mcfpd Oil 213 bpd NGL --- bpd Water 339 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 Schlumberger
Address 5599 San Felipe St City Houston State TX Zip 77056

Stimulating Company Halliburton
Address 3000 W. Sam Houston Pkwy City Houston State TX Zip 76114

Please insert additional pages as applicable.

Completed by Brandi Hankins Telephone 303-357-7223
Signature  Title Completions Technician Date 3/3/02

API 47-095-02725 Farm Name Roger D Blizzard & Ruth E Spencer Well Number Pechora Unit 2H

Stage No.	Perforation Date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formations
1	09/04/2021	21660	21619	36	Marcellus
2	09/05/2021	21577.85459	21362.9821	36	Marcellus
3	09/05/2021	21324.83673	21109.9643	36	Marcellus
4	09/06/2021	21071.81888	20856.9464	36	Marcellus
5	09/06/2021	20818.80102	20603.9286	36	Marcellus
6	09/06/2021	20565.78316	20350.9107	36	Marcellus
7	09/07/2021	20312.76531	20097.8929	36	Marcellus
8	09/07/2021	20059.74745	19844.875	36	Marcellus
9	09/08/2021	19806.72959	19591.8571	36	Marcellus
10	09/08/2021	19553.71173	19338.8393	36	Marcellus
11	09/09/2021	19300.69388	19085.8214	36	Marcellus
12	09/10/2021	19047.67602	18832.8036	36	Marcellus
13	09/10/2021	18794.65816	18579.7857	36	Marcellus
14	09/11/2021	18541.64031	18326.7679	36	Marcellus
15	09/11/2021	18288.62245	18073.75	36	Marcellus
16	09/11/2021	18035.60459	17820.7321	36	Marcellus
17	09/12/2021	17782.58673	17567.7143	36	Marcellus
18	09/12/2021	17529.56888	17314.6964	36	Marcellus
19	09/12/2021	17276.55102	17061.6786	36	Marcellus
20	09/13/2021	17023.53316	16808.6607	36	Marcellus
21	09/13/2021	16770.51531	16555.6429	36	Marcellus
22	09/14/2021	16517.49745	16302.625	36	Marcellus
23	09/14/2021	16264.47959	16049.6071	36	Marcellus
24	09/15/2021	16011.46173	15796.5893	36	Marcellus
25	09/15/2021	15758.44388	15543.5714	36	Marcellus
26	09/16/2021	15505.42602	15290.5536	36	Marcellus
27	09/16/2021	15252.40816	15037.5357	36	Marcellus
28	09/16/2021	14999.39031	14784.5179	36	Marcellus
29	09/17/2021	14746.37245	14531.5	36	Marcellus
30	09/17/2021	14493.35459	14278.4821	36	Marcellus
31	09/17/2021	14240.33673	14025.4643	36	Marcellus
32	09/17/2021	13987.31888	13772.4464	36	Marcellus
33	09/18/2021	13734.30102	13519.4286	36	Marcellus
34	09/18/2021	13481.28316	13266.4107	36	Marcellus
35	09/18/2021	13228.26531	13013.3929	36	Marcellus
36	09/18/2021	12975.24745	12760.375	36	Marcellus
37	09/19/2021	12722.22959	12507.3571	36	Marcellus
38	09/19/2021	12469.21173	12254.3393	36	Marcellus
39	09/19/2021	12216.19388	12001.3214	36	Marcellus
40	09/19/2021	11963.17602	11748.3036	36	Marcellus
41	09/20/2021	11710.15816	11495.2857	36	Marcellus
42	09/20/2021	11457.14031	11242.2679	36	Marcellus
43	09/20/2021	11204.12245	10989.25	36	Marcellus
44	09/20/2021	10951.10459	10736.2321	36	Marcellus
45	09/20/2021	10698.08673	10483.2143	36	Marcellus
46	09/21/2021	10445.06888	10230.1964	36	Marcellus
47	09/21/2021	10192.05102	9977.17857	36	Marcellus
48	09/22/2021	9939.033163	9724.16071	36	Marcellus
49	09/22/2021	9686.015306	9471.14286	36	Marcellus
50	09/22/2021	9432.997449	9218.125	36	Marcellus
51	09/22/2021	9179.979592	8965.10714	36	Marcellus
52	09/23/2021	8926.961735	8712.08929	36	Marcellus
53	09/23/2021	8673.943878	8459.07143	36	Marcellus
54	09/23/2021	8420.92602	8206.05357	36	Marcellus
55	09/23/2021	8167.908163	7953.03571	36	Marcellus
56	09/23/2021	7914.890306	7700.01786	36	Marcellus
57	09/24/2021	7661.872449	7447	36	Marcellus

API 47-095-02725 Farm Name Roger D Blizzard & Ruth E Spencer Well Number Pechora Unit 2H

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	09/04/2021	68.09	9041	10010	3552	172036	210970	N/A
2	09/05/2021	91.85	10060	6139	4255	508457	384272	N/A
3	09/05/2021	90.7	10093	5586	3879	509160	384671	N/A
4	09/06/2021	89.9	9921	6508	3551	508963	383505	N/A
5	09/06/2021	90.52	9890	5723	3734	509078	387528	N/A
6	09/06/2021	91.5	9686	5917	4028	509640	379688	N/A
7	09/07/2021	94.76	9957	8268	3578.94	509003	372443	N/A
8	09/07/2021	88.79	9810	8670	3935	508760	377687	N/A
9	09/08/2021	85.6	9365	10234	3762	510080	457519	N/A
10	09/08/2021	91.85	10254	8819	3887	508512	369161	N/A
11	09/09/2021	67	5421	8048	4491	508456	538597	N/A
12	09/10/2021	85.51	9282	6019	3748	509443	363891	N/A
13	09/10/2021	83.44	9441	5548	3845	509146	375700	N/A
14	09/11/2021	88.2	9454	7163	3588	518100	367841	N/A
15	09/11/2021	88.46	9215	6736	3714	508774	415449	N/A
16	09/11/2021	87.67	9144	6864	3610	509246	364804	N/A
17	09/12/2021	87.15	8809	5324	3693	511736	363183	N/A
18	09/12/2021	89.07	9013	6329	3781	509464	462162	N/A
19	09/12/2021	88.01	8653	6361	3648	509148	362528	N/A
20	09/13/2021	90.63	9167	5230	4415	508640	371593	N/A
21	09/13/2021	88.94	8825	6747	3740	508905	366030	N/A
22	09/14/2021	88.99	8769	6045	3823	509135	364063	N/A
23	09/14/2021	91.87	9399	6836	3606	508987	365724	N/A
24	09/15/2021	82.62	8507	6909	3774	497770	485617	N/A
25	09/15/2021	84.74	8653	6932	3926	509521	364241	N/A
26	09/16/2021	90.37	9001	4515	4221	509087	357601	N/A
27	09/16/2021	85.77	8675	6260	4292	508984	365262	N/A
28	09/16/2021	85.11	8402	6056	3725	508570	364760	N/A
29	09/17/2021	89.56	8775	8074	4090	509049	360158	N/A
30	09/17/2021	89.93	9128	6109	4493	509221	367144	N/A
31	09/17/2021	87.06	8585	6055	4298	516563	367868	N/A
32	09/17/2021	88.33	8662	8205	3753	508777	360376	N/A
33	09/18/2021	88.32	8626	6045	3707	508993	363846	N/A
34	09/18/2021	87.41	8629	6364	4703	512847	362782	N/A
35	09/18/2021	92.04	8960	5487	4748	505660	365108	N/A
36	09/18/2021	89.86	8742	9872	3808	507230	363345	N/A
37	09/19/2021	89.54	8562	9093	4218	510438	365291	N/A
38	09/19/2021	90.76	8632	9004	4122	509109	361057	N/A
39	09/19/2021	89.8	8538	2912	4350	508831	359624	N/A
40	09/19/2021	90.87	8350	7638	3688	511865	372161	N/A
41	09/20/2021	89.89	8314	9279	3951	505960	358713	N/A
42	09/20/2021	91.34	8205	8372	4308.19	509143	357293	N/A
43	09/20/2021	90.33	8205	6541	4597	508988	360702	N/A
44	09/20/2021	90.08	7944	4811	4945	513926	365468	N/A
45	09/20/2021	94.46	8133	8316	3984	508664	358091	N/A
46	09/21/2021	93.08	8095	6326	4060	509223	356287	N/A
47	09/21/2021	93.84	8656	8637	3634	508742	359206	N/A
48	09/22/2021	95.91	8125	8261	3904	509025	359530	N/A
49	09/22/2021	95.57	8153	8222	3922	508575	354401	N/A
50	09/22/2021	94.27	7738	8295	3974	502144	350819	N/A
51	09/22/2021	92.36	7617	8302	4129	512660	419474	N/A
52	09/23/2021	96.85	7891	8381	3781	506794	356067	N/A
53	09/23/2021	97.21	7658	8132	3891	505073	355747	N/A
54	09/23/2021	94.55	7987	7243	3586	507555	352842	N/A
55	09/23/2021	95.96	7802	8340	3867	509548	353921	N/A
56	09/23/2021	97.69	7729	7697	4132	508991	354055	N/A
57	09/24/2021	98.05	7242	6909	4270	508661	352264	N/A
	AVG=	90	8,695	7,135	3,977	28,679,056	21,220,130	TOTAL

API 47-095-02725 Farm Name Roger D Blizzard & Ruth E Spencer Well Number Pechora Unit 2H

EXHIBIT 3

LITHOLOGY/ FORMATION	TOP DEPTH (TVD) From Surface	BOTTOM DEPTH (TVD) From Surface	TOP DEPTH (MD) From Surface	BOTTOM DEPTH (MD) From Surface
Shaley Sandstone	74	214	74	214
Sandy Shale	214	364	214	364
Shaley Sandstone	364	514	364	514
Limestone, Tr Shale	514	544	514	544
Sandstone	544	664	544	664
Limestone, Tr Coal	664	694	664	694
Shaley Sandstone, Tr Coal	694	784	694	784
Shale, Tr Sandstone	784	1,204	784	1,204
Sandy Shale, Limestone, Tr Coal	1,204	1,354	1,204	1,354
Sandy Shale	1,354	1,504	1,354	1,504
Sandstone, Tr Shale, Tr Coal	1,504	1,624	1,504	1,624
Sandy Shale	1,624	1,834	1,624	1,834
Shaly Sandstone, Tr coal	1,834	1,868	1,834	1,950
Big Lime	1,894	2,636	1,950	2,842
Fifty Foot Sandstone	2,636	2,715	2,816	2,932
Gordon	2,715	3,007	2,906	3,255
Fifth Sandstone	3,007	3,073	3,229	3,328
Bayard	3,073	3,876	3,302	4,226
Speechley	3,876	4,186	4,200	4,577
Balltown	4,186	4,533	4,551	4,972
Bradford	4,533	4,959	4,946	5,443
Benson	4,959	5,200	5,417	5,694
Alexander	5,200	6,340	5,668	7,056
Sycamore	6,199	6,314	6,869	7,030
Middlesex	6,314	6,409	7,030	7,195
Burkett	6,409	6,434	7,195	7,250
Tully	6,434	6,488	7,250	7,399
Marcellus	6,488	NA	7,399	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.

Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	9/4/2021
Job End Date:	9/24/2021
State:	West Virginia
County:	Tyler
API Number:	47-095-02725-00-00
Operator Name:	Antero Resources Corporation
Well Name and Number:	PECHORA UNIT 2H
Latitude:	39.49853100
Longitude:	-80.85099000
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	6,622
Total Base Water Volume (gal):	22,338,485
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 Mixture	Halliburton	Base Fluid					
			Water	7732-18-5	100.00000	86.73961	Density = 8.50
Ingredients	Listed Above	Listed Above					
			Water	7732-18-5	100.00000	0.11513	

Sand-Common White-100 Mesh, SSA-2	Halliburton	Proppant					
				Listed Below			
FLUID Enviro-Syn HCR-7000-WL	Fluid Energy Group	Acid Replacement					
				Listed Below			
WG-36 GELLING AGENT	Halliburton	Gelling Agent					
				Listed Below			
Excelerate LX-15	Halliburton	Friction Reducer					
				Listed Below			
HAI-501	Halliburton	Acid Corrosion Inhibitor					
				Listed Below			
MC B-8614A	MultiChem	Biocide					
				Listed Below			
HYDROCHLORIC ACID, 22 BAUME	Halliburton	Solvent					
				Listed Below			
OPTIFLO-II DELAYED RELEASE BREAKER	Halliburton	Breaker					
				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	13.10117
			Complex Amine Compound	Proprietary	60.00000	0.02993
			Hydrochloric acid	7647-01-0	30.00000	0.02308
			Hydrotreated light petroleum distillate	64742-47-8	30.00000	0.01496
			Guar gum	9000-30-0	100.00000	0.00813
			Proprietary	Proprietary	20.00000	0.00314
			Surfactant	Proprietary	5.00000	0.00249
			Sobitan, mono-9-octadecenoate, (Z)	1338-43-8	5.00000	0.00249
			Glutaraldehyde	111-30-8	30.00000	0.00248
			Proprietary	Proprietary	10.00000	0.00157
			Ethoxylated alcohols	Proprietary	5.00000	0.00051
			Alkoxylated polyhydric alcohol	Proprietary	1.00000	0.00050
			Organic chloride compound	Proprietary	1.00000	0.00050
			Alkyl (C12-16) dimethylbenzyl ammonium chloride	68424-85-1	5.00000	0.00041
			Ammonium persulfate	7727-54-0	100.00000	0.00017
			Methanol	67-56-1	100.00000	0.00014
			Ethanol	64-17-5	1.00000	0.00008
			Oxylated phenolic resin	Proprietary	30.00000	0.00005
			Mixture of dimer and trimer fatty acids of indefinite composition derived from tall oil	61790-12-3	30.00000	0.00004
			Modified thiourea polymer	Proprietary	30.00000	0.00004
			Propargyl alcohol	107-19-7	5.00000	0.00001
			Hexadecene	629-73-2	5.00000	0.00001
			Organic salt #1	Proprietary	0.01000	0.00000
			Formaldehyde	50-00-0	0.01000	0.00000

			Sodium glycolate	2836-32-0	0.01000	0.00000	
			Sodium hydroxide	1310-73-2	0.01000	0.00000	
			Nitrated acetate salt	Proprietary	0.01000	0.00000	
			Acrylamide	79-06-1	0.01000	0.00000	
			Organic salt #2	Proprietary	0.01000	0.00000	
			C.I. pigment Orange 5	3468-63-1	1.00000	0.00000	

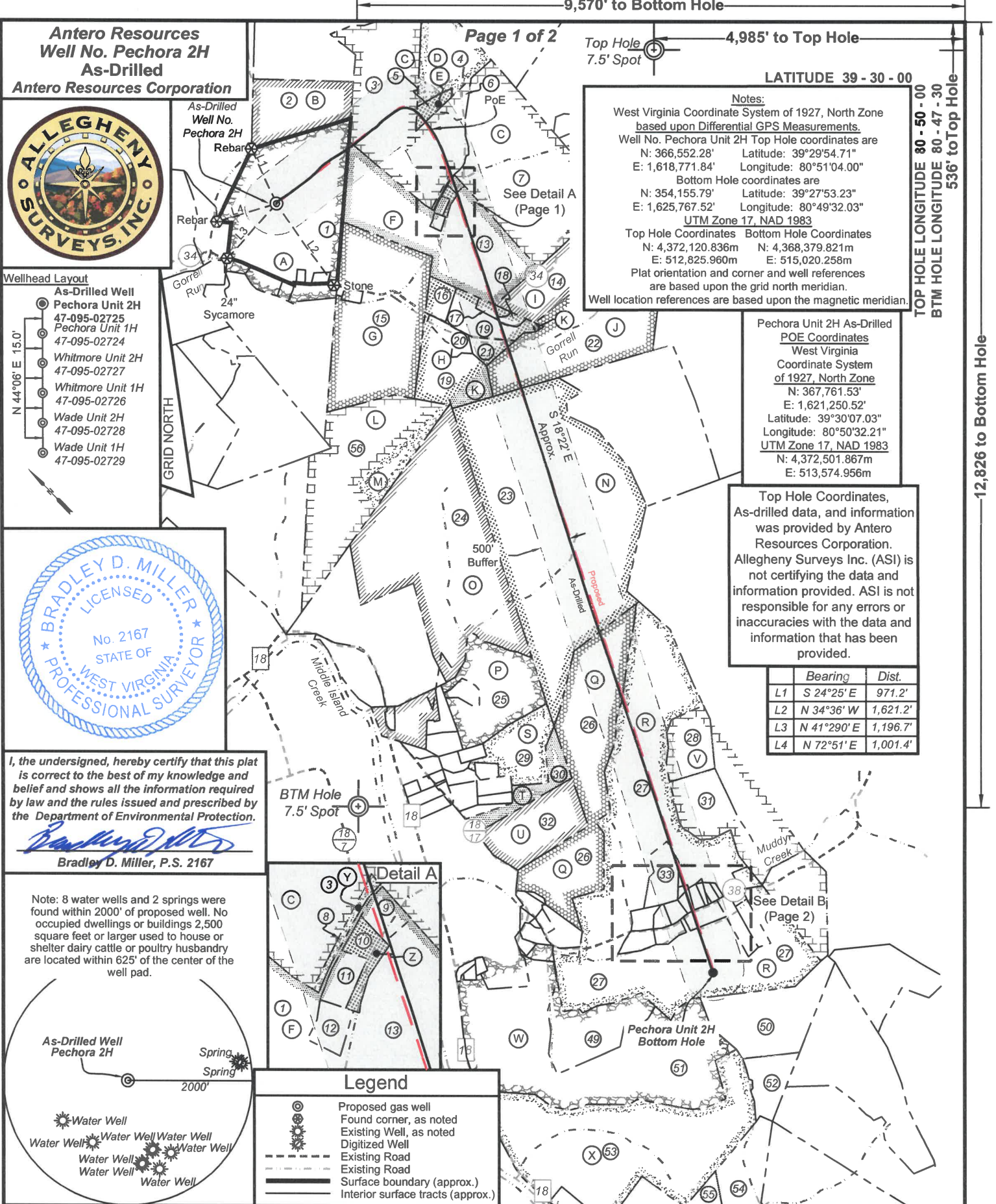
* Total Water Volume sources may include various types of water including fresh water, produced water, and recycled water

** Information is based on the maximum potential for concentration and thus the total may be over 100%

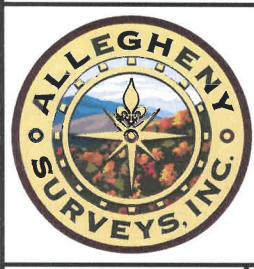
*** If you are calculating a percentage of total ingredients do not add the water volume below the green line to the water volume above the green line

Note: For Field Development Products (products that begin with FDP), MSDS level only information has been provided.

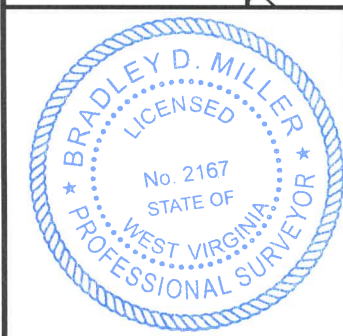
Ingredient information for chemicals subject to 29 CFR 1910.1200(i) and Appendix D are obtained from suppliers Material Safety Data Sheets (MSDS)



Antero Resources
Well No. Pechora 2H
As-Drilled
Antero Resources Corporation

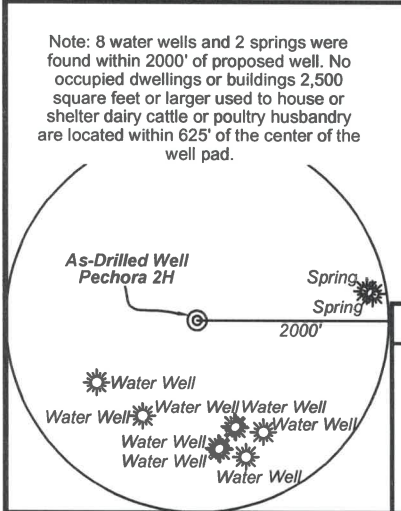


- Wellhead Layout**
- As-Drilled Well Pechora Unit 2H 47-095-02725
 - Pechora Unit 1H 47-095-02724
 - Whitmore Unit 2H 47-095-02727
 - Whitmore Unit 1H 47-095-02726
 - Wade Unit 2H 47-095-02728
 - Wade Unit 1H 47-095-02729



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

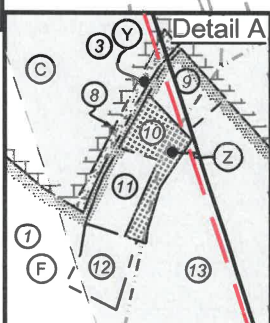


Notes:
 West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.
 Well No. Pechora Unit 2H Top Hole coordinates are
 N: 366,552.28' Latitude: 39°29'54.71"
 E: 1,618,771.84' Longitude: 80°51'04.00"
 Bottom Hole coordinates are
 N: 354,155.79' Latitude: 39°27'53.23"
 E: 1,625,767.52' Longitude: 80°49'32.03"
UTM Zone 17, NAD 1983
 Top Hole Coordinates Bottom Hole Coordinates
 N: 4,372,120.836m N: 4,368,379.821m
 E: 512,825.960m E: 515,020.258m
 Plat orientation and corner and well references are based upon the grid north meridian.
 Well location references are based upon the magnetic meridian.

Pechora Unit 2H As-Drilled POE Coordinates
 West Virginia Coordinate System of 1927, North Zone
 N: 367,761.53'
 E: 1,621,250.52'
 Latitude: 39°30'07.03"
 Longitude: 80°50'32.21"
UTM Zone 17, NAD 1983
 N: 4,372,501.867m
 E: 513,574.956m

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.

	Bearing	Dist.
L1	S 24°25' E	971.2'
L2	N 34°36' W	1,621.2'
L3	N 41°29' E	1,196.7'
L4	N 72°51' E	1,001.4'



Legend

- Proposed gas well
- Found corner, as noted
- ⊙ Existing Well, as noted
- Digitized Well
- - - Existing Road
- - - Existing Road
- Surface boundary (approx.)
- - - Interior surface tracts (approx.)

FILE NO: 121-54-E-19
 DRAWING NO: Pechora 2H 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

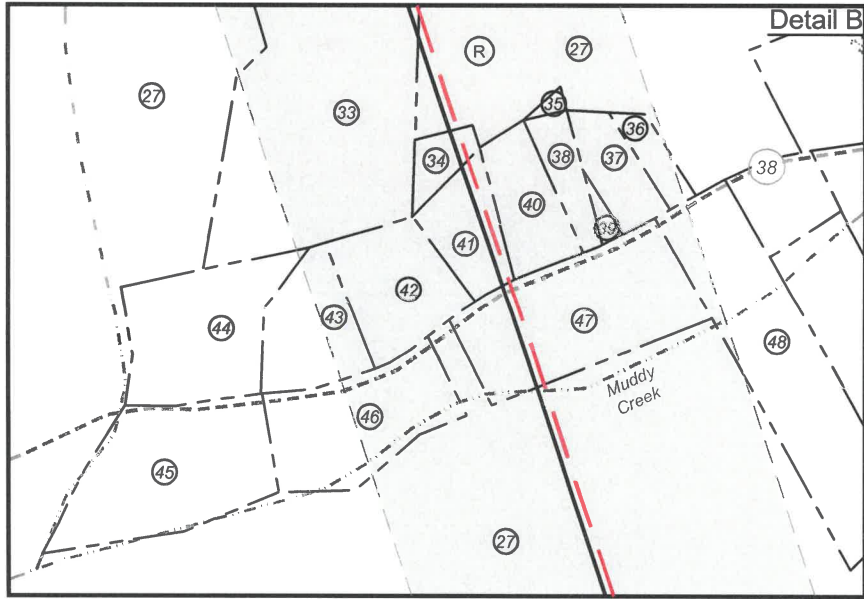
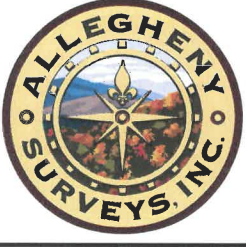
DATE: March 7 2022
 OPERATOR'S WELL NO. Pechora 2H
 API WELL NO
47 - 095 - 02725
 STATE COUNTY PERMIT

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

LOCATION: ELEVATION: As-Built 1,004' WATERSHED: Outlet Middle Island Creek QUADRANGLE: Shirley
 DISTRICT: Ellsworth COUNTY: Tyler 0.563; 87.53;
 SURFACE OWNER: Roger D. Blizzard & Ruth E. Spencer Ridgetop Capital II, LP; Kendra K. Wyke; Rodney A. Nash, et ux; 90.168; 177;
 William S. Nash, et al; Roberta L. Schickler; Anthony B. Parr; 3.3; 79.919;
 ROYALTY OWNER: Heritage Resources-Marcellus Minerals (2), LLC; Helen E. Boggs; Bruce Winkelmann; LEASE NO: _____ ACREAGE: 102.62 51.50; 69.50;
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) As-Drilled 6,619' TVD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 21,771' 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

Antero Resources
Well No. Pechora 2H
As-Drilled
Antero Resources Corporation



ID	TM/Par	Owner	DB/PG	Acres
1	15-33	Roger D. Blizzard & Ruth E. Spencer	340/170	102.62
2	15-31	Roger D. Blizzard & Ruth E. Spencer	342/782	25.00
3	15-38	Rodney A. & Candis L. Nash	351/701	85.48
4	16-23	Joseph L. Sitko	314/462	29.70
5	16-23.1	Bruce Winkelmann	334/195	3.30
6	16-44.1	Carl Straight	543/598	3.70
7	16-44	Robert A. Pyles, et al	335/482	87.82
8	16-60	Rodney & Candis Nash	378/815	0.56
9	16-54	David M. & Amanda B. Trimble	447/110	1.00
10	16-59	Rodney & Candis Nash	378/818	1.10
11	16-56	Rodney & Candis Nash	247/773	1.00
12	16-57	Rodney & Candis Nash	252/446	1.00
13	15-32	William S. & Opal Marie Nash	335/188	78.58
14	22-3	Harold L. & Deborah C. Hollaway	287/669	22.95
15	21-13	Alfred Lonzo Eddy	337/650	98.58
16	22-1.2	Earl David & Joyce Ann Giles	336/447	5.39
17	22-1.3	Ronald Hartline & Jamie Barnhart	591/741	2.02
18	22-2	Ronald Hartline & Jamie Barnhart	591/741	1.50
19	22-1	Robert I. Reed & Floyd W. Reed	321/763	42.32
20	22-1.4	David E. & Joyce A. Giles	546/764	4.76
21	22-1.1	Robert I. Reed & Floyd W. Reed	278/661	4.49
22	22-4	Stephen H. & Barbara J. Dunthorn	216/40	59.71
23	22-41	Anthony B. Parr	342/763	222.00
24	22-42	Sharon Christenson, et al	635/420	144.26
25	22-43	Loretta Louise Baker	253/131	38.97
26	28-9	David & Cheryl L. Barrick	263/606	87.53
27	28-31	Victor A. & Lorraine B. Weekley	AR49/717	226.25
28	22-37	B.W. Weekley	107/562	15.78
29	22-47	Tom J. & Jean A. Gump	628/629	24.66
30	28-7	Randall L. & Kathryn M. Wise	442/85	9.00
31	28-32	B.W. Weekley	107/562	33.31
32	28-8	Robert L. & Carolee J. Daniell	WB 43/267	30.00
33	28-31.7	Kordell Stewart & Katelyn Gogan	640/473	9.62
34	28-31.14	Ray Howe	363/416	0.51
35	28-31.18	Lorraine Weekley	AR49-717	0.08
36	28-31.16	William Morgan	374/472	0.50
37	28-31.12	William Morgan	374/472	1.00
38	28-31.15	James & Peggy Morgan	525/214	0.81
39	28-31.19	James & Peggy Morgan	377/10	0.14
40	28-31.9	James & Peggy Morgan	525/214	1.38
41	28-31.11	Ray Howe	356/678	1.27
42	28-31.13	Ray Howe	361/436	2.06
43	28-31.5	Kordell Stewart & Katelyn Gogan	640/473	1.75
44	28-31.6	Kordell Stewart & Katelyn Gogan	640/473	3.00
45	28-31.4	Victor & Lorraine Weekley	AR 49/717	3.64
46	28-31.8	Victor & Lorraine Weekley	AR 49/717	2.78
47	28-31.10	Danny Swiger & Peggy Smith	356/675	4.00
48	28-31.3	David Lantz & Rita Parr	618/689	5.00
49	28-30	Keith C. Smith	WB 35/228	30.13
50	5-9	Keith A. Riegelsberger	376/828	43.23
51	28-29	Keith C. Smith	WB 35/228	167.03
52	5-8	James L. & James C. Fitzpatrick	199/171	13.11
53	28-28	Ronald & Linda Hoover	184/383	136.22
54	5-5	Earnley Owens et al	WB 33/418	75.00
55	5-4	William D. Jr. & Saturina M. Morrison	341/35	52.78
56	21-53	Haessly Land & Timber, LLC	337/101A	89.88

Leases	
A	Heritage Resources, Marcellus Minerals, LLC
B	Jerry R. Brown
C	Helen E. Boggs
D	Joseph L. Sitko, et ux
E	Bruce Winkelmann
F	William S. Nash, et al
G	Alfred Lonzo Eddy
H	Roberta L. Schickler
I	Ridgetop Capital II, LP
J	Ridgetop Capital II, LP
K	Marjorie R. Asher Longston, et vir
L	Haessly Land & Timber, LLC
M	United Spinal Association
N	Anthony B. Parr
O	E. Lorna Howard Testamentary Trust
P	Loretta L. Baker
Q	Heritage Resources - Marcellus Minerals, LLC
R	Kendra K. Wyke
S	Rebecca Lynn Gebhardt
T	Randall L. Wise, et ux
U	Carolee J. Daniell
V	Richard L. White II
W	Keith C. & Phyllis J. Smith
X	Ronald L. Hoover, et ux
Y	Rodney A. Nash, et ux
Z	Randy Nash, et ux

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