

RECEIVED
Office of Oil and Gas
NOV 12 2021
WV Department of
Environmental Protection

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

API 47-095-02710 County Tyler District Union/Meade
Quad Middlebourne/ Ben's Run Pad Name Gorrell Field/Pool Name ----
Farm name Elizabeth Gorrell Well Number Garrison 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 4363193m Easting 500809m
Landing Point of Curve Northing 4363395.33m Easting 501158.52m
Bottom Hole Northing 4367341m Easting 499735m

Elevation (ft) 1045' GL Type of Well New Existing Type of Report Interim Final
Permit Type Deviated Horizontal Horizontal 6A Vertical Depth Type Deep Shallow
Type of Operation Convert Deepen Drill Plug Back Redrilling Rework Stimulate
Well Type Brine Disposal CBM Gas Oil Secondary Recovery Solution Mining Storage Other _____
Type of Completion Single Multiple Fluids Produced Brine Gas NGL Oil Other _____
Drilled with Cable Rotary

Drilling Media Surface hole Air Mud Fresh Water Intermediate hole Air Mud Fresh Water Brine
Production hole Air Mud Fresh Water Brine
Mud Type(s) and Additive(s)
Air - Foam & 4% KCL
Mud - Polymer

Date permit issued 10/26/2020 Date drilling commenced 3/7/2021 Date drilling ceased 4/7/2021
Date completion activities began 5/12/2021 Date completion activities ceased 6/29/2021
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 505' Open mine(s) (Y/N) depths No
Salt water depth(s) ft 1378' 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:

DCN
12/31/2021

API 47-095 - 02710 Farm name Elizabeth Gorrell Well number Garrison 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"	587'	New	54.5#, J-55	N/A	Y
Coal							
Intermediate 1	12-1/4"	9-5/8"	2629'	New	36#, J-55	N/A	Y
Intermediate 2							
Intermediate 3							
Production	8-3/4"/8-1/2"	5-1/2"	20649'	New	20#, P-110	N/A	Y
Tubing		2-3/8"	6459'		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	600 sx	15.8	1.17	124	0'	8 Hrs.
Coal							
Intermediate 1	Class A	960 sx	15.8	1.17	198	0'	8 Hrs.
Intermediate 2							
Intermediate 3							
Production	Class H	792 sx (Lead) 3150 sx (Tail)	13.5 (Lead), 15.2(Tail)	1.4 (Lead), 1.16 (Tail)	738	~500' into Intermediate Casing	8 Hrs.
Tubing							

Drillers TD (ft) 20699' MD, 6190' TVD (BHL), 6277' (Deepest Point Drilled) Loggers TD (ft) 20699' MD

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

Plug back procedure N/A

Kick off depth (ft) 5675'

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 - 02710 Farm name Elizabeth Gorrell Well number Garrison Unit 2H

PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
*PLEASE SEE ATTACHED EXHIBIT 1					

Please insert additional pages as applicable.

STIMULATION INFORMATION PER STAGE

Complete a separate record for each stimulation stage.

Stage No.	Stimulations Date	Ave Pump Rate (BPM)	Ave Treatment Pressure (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Amount of Proppant (lbs)	Amount of Water (bbls)	Amount of Nitrogen/other (units)
*PLEASE SEE ATTACHED EXHIBIT 2								

Please insert additional pages as applicable.

API 47- 095 - 02710 Farm name Elizabeth Gorrell Well number Garrison Unit 2H

<u>PRODUCING FORMATION(S)</u>	<u>DEPTHS</u>		
<u>Marcellus</u>	<u>6204' (TOP)</u>	<u>TVD</u>	<u>6623' (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 18561 mcfpd Oil 219 bpd NGL --- bpd Water 0 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
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 11/10/21

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

12/31/2021

API 47-095-02710 Farm Name Elizabeth Gorrell Well Number Garrison Unit 2H

Stage No.	Perforation Date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formations
1	5/12/2021	20580	20536	36	Marcellus
2	5/13/2021	20495.00519	20281.0364	36	Marcellus
3	5/13/2021	20243.04156	20029.0727	36	Marcellus
4	5/13/2021	19991.07792	19777.1091	36	Marcellus
5	5/13/2021	19739.11429	19525.1455	36	Marcellus
6	5/14/2021	19487.15065	19273.1818	36	Marcellus
7	5/14/2021	19235.18701	19021.2182	36	Marcellus
8	5/15/2021	18983.22338	18769.2545	36	Marcellus
9	5/15/2021	18731.25974	18517.2909	36	Marcellus
10	5/15/2021	18479.2961	18265.3273	36	Marcellus
11	5/15/2021	18227.33247	18013.3636	36	Marcellus
12	5/15/2021	17975.36883	17761.4	36	Marcellus
13	5/16/2021	17723.40519	17509.4364	36	Marcellus
14	5/16/2021	17471.44156	17257.4727	36	Marcellus
15	5/16/2021	17219.47792	17005.5091	36	Marcellus
16	5/16/2021	16967.51429	16753.5455	36	Marcellus
17	5/17/2021	16715.55065	16501.5818	36	Marcellus
18	5/17/2021	16463.58701	16249.6182	36	Marcellus
19	5/17/2021	16211.62338	15997.6545	36	Marcellus
20	5/17/2021	15959.65974	15745.6909	36	Marcellus
21	5/18/2021	15707.6961	15493.7273	36	Marcellus
22	5/18/2021	15455.73247	15241.7636	36	Marcellus
23	5/18/2021	15203.76883	14989.8	36	Marcellus
24	5/18/2021	14951.80519	14737.8364	36	Marcellus
25	5/19/2021	14699.84156	14485.8727	36	Marcellus
26	5/19/2021	14447.87792	14233.9091	36	Marcellus
27	5/19/2021	14195.91429	13981.9455	36	Marcellus
28	5/19/2021	13943.95065	13729.9818	36	Marcellus
29	5/20/2021	13691.98701	13478.0182	36	Marcellus
30	5/20/2021	13440.02338	13226.0545	36	Marcellus
31	5/21/2021	13188.05974	12974.0909	36	Marcellus
32	5/21/2021	12936.0961	12722.1273	36	Marcellus
33	5/21/2021	12684.13247	12470.1636	36	Marcellus
34	5/21/2021	12432.16883	12218.2	36	Marcellus
35	5/21/2021	12180.20519	11966.2364	36	Marcellus
36	5/22/2021	11928.24156	11714.2727	36	Marcellus
37	5/22/2021	11676.27792	11462.3091	36	Marcellus
38	5/22/2021	11424.31429	11210.3455	36	Marcellus
39	5/22/2021	11172.35065	10958.3818	36	Marcellus
40	5/22/2021	10920.38701	10706.4182	36	Marcellus
41	5/23/2021	10668.42338	10454.4545	36	Marcellus
42	5/23/2021	10416.45974	10202.4909	36	Marcellus
43	5/23/2021	10164.4961	9950.52727	36	Marcellus
44	5/23/2021	9912.532468	9698.56364	36	Marcellus
45	5/24/2021	9660.568831	9446.6	36	Marcellus
46	5/24/2021	9408.605195	9194.63636	36	Marcellus
47	5/24/2021	9156.641558	8942.67273	36	Marcellus
48	5/24/2021	8904.677922	8690.70909	36	Marcellus
49	5/24/2021	8652.714286	8438.74545	36	Marcellus
50	5/25/2021	8400.750649	8186.78182	36	Marcellus
51	5/25/2021	8148.787013	7934.81818	36	Marcellus
52	5/25/2021	7896.823377	7682.85455	36	Marcellus
53	5/25/2021	7644.85974	7430.89091	36	Marcellus
54	5/26/2021	7392.896104	7178.92727	36	Marcellus
55	5/26/2021	7140.932468	6926.96364	36	Marcellus
56	5/26/2021	6888.968831	6675	36	Marcellus

12/31/2021

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 (bbbls)	Amount of Nitrogen/ other (units)
1	5/12/2021	82.12	8310	8664	3462.59	178198	278867	N/A
2	5/13/2021	88.87	8715	4791	4256	509838	410014	N/A
3	5/13/2021	86.82	8409	4764	3311	537627	411748	N/A
4	5/13/2021	85.49	8351.42	4610.36	3029.38	505795	407138	N/A
5	5/13/2021	89.21	8583	4927	2577	503167	399144	N/A
6	5/14/2021	90.66	8475	4887	2847.21	507221	401902	N/A
7	5/14/2021	90.9	8448	5445	2866	512670	408915	N/A
8	5/15/2021	91.9	8596	4957	2525.55	506944	465714	N/A
9	5/15/2021	91.8	8585	5537	3536	507435	392828	N/A
10	5/15/2021	92.2	8612	5588	2740	512103	384359	N/A
11	5/15/2021	90.85	8489	5407	2952	494312	380918	N/A
12	5/15/2021	95.52	8439	4151	3462	506205	379256	N/A
13	5/16/2021	98.66	8174	4992	3155.85	506229	383426	N/A
14	5/16/2021	90.58	7645	5654	3239	513623	380300	N/A
15	5/16/2021	84.45	8242	5560	3173	512279	379093	N/A
16	5/16/2021	97.59	8406	5507	2936	506965	376609	N/A
17	5/17/2021	93.57	8249	7121	2967	506585	376311	N/A
18	5/17/2021	97.23	7840	5518	3018	505512	379938	N/A
19	5/17/2021	98.5	8253	5542	3302	506642	373399	N/A
20	5/17/2021	97.7	8274	5870	2945	516945	374418	N/A
21	5/18/2021	98.69	8052	6212	3005	513773	385399	N/A
22	5/18/2021	98.86	8162	5666	3114.4	506720	390718	N/A
23	5/18/2021	99.83	8203	6468	3165	550580	378546	N/A
24	5/18/2021	97.81	8240	5904	3130	506443	377198	N/A
25	5/19/2021	98.35	8111	7825	2890	506183	372737	N/A
26	5/19/2021	98.5	7951	6959	3179	507693	373072	N/A
27	5/19/2021	99.74	8279	8178	3000	506865	364877	N/A
28	5/19/2021	97.23	8212	6633	2853	507180	375815	N/A
29	5/20/2021	99.48	8160	5791	3182.29	506353	357916	N/A
30	5/20/2021	97.84	8223	5230	2873	499849	353620	N/A
31	5/21/2021	96.27	8449	8525	3348	507018	356583	N/A
32	5/21/2021	98.37	8287	8434	3244	508320	362785	N/A
33	5/21/2021	96.33	8125	5769	3246	504965	366516	N/A
34	5/21/2021	98.89	8108	5387	3300	507204	363447	N/A
35	5/21/2021	99.47	7754	6227	3114.46	497716	352271	N/A
36	5/22/2021	99.35	7610	6079	3063	504315	358579	N/A
37	5/22/2021	99.92	7674	7289	3105	507213	361045	N/A
38	5/22/2021	96.39	7838.39	6237.51	3125.87	504898	357400	N/A
39	5/22/2021	99.55	7646	5311	3587.57	515690	360848	N/A
40	5/22/2021	99.56	7792	6702	3114.35	505263	355765	N/A
41	5/23/2021	99.15	7828	5938	6048	513780	354374	N/A
42	5/23/2021	99.16	7745	5756	2932	502354	351786	N/A
43	5/23/2021	98.65	8078	6342	3758	503457	355171	N/A
44	5/23/2021	98.31	7942	5485	4309	504795	356576	N/A
45	5/24/2021	99.37	7843	5666	2900	507740	352361	N/A
46	5/24/2021	99.42	7643	5454	3016	504619	348871	N/A
47	5/24/2021	98.88	7498	6413	3355	505661	354777	N/A
48	5/24/2021	99.29	7204	6603	3152	504749	358555	N/A
49	5/24/2021	99.23	7011	4271	3451	496402	348997	N/A
50	5/25/2021	97.8	6883	7017	3694.14	504072	351025	N/A
51	5/25/2021	98.97	6678	6064	3391	499158	350229	N/A
52	5/25/2021	99.18	7267	6020	3462	504836	357250	N/A
53	5/25/2021	97.82	7382	5915	3751.48	504943	358162	N/A
54	5/26/2021	99.29	6917	5872	3488.25	505168	357573	N/A
55	5/26/2021	99.36	6788	7703	3608	506741	353923	N/A
56	5/26/2021	99.48	7118	6853	3486	504228	352010	N/A
	AVG=	96	7,961	6,030	3,263	28,103,239	20,731,074	TOTAL

EXHIBIT 3

LITHOLOGY/ FORMATION	TOP DEPTH (TVD)	BOTTOM DEPTH (TVD)	TOP DEPTH (MD)	BOTTOM DEPTH (MD)
	From Surface	From Surface	From Surface	From Surface
Silty Sandstone	70	300	70	300
Sandy Siltstone	300	380	300	380
Sandstone	380	540	380	540
Sandy Siltstone	540	580	540	580
Silty Sandstone	580	630	580	630
Silty Shale	630	720	630	720
Shale	720	1,280	720	1,280
Sandstone	1,280	1,660	1,280	1,660
Sandy Siltstone	1,660	1,780	1,660	1,780
Silty Sandstone, tr Shale	1,780	1,820	1,780	1,820
Sandstone	1,820	1,870	1,820	1,870
Sandy siltstone	1,870	1,880	1,870	1,880
Sandstone	1,880	1,948	1,880	N/A
Big Lime	1,978	2,796	1,973	2,863
Fifty Foot Sandstone	2,796	2,912	2,833	2,986
Gordon	2,912	3,247	2,956	3,342
Fifth Sandstone	3,247	3,343	3,312	3,442
Bayard	3,343	3,906	3,412	4,024
Speechley	3,906	4,175	3,994	4,305
Balltown	4,175	4,495	4,275	4,641
Bradford	4,495	4,912	4,611	5,083
Benson	4,912	5,219	5,053	5,405
Alexander	5,219	6,127	5,375	6,423
Sycamore	6,002	6,097	6,251	6,393
Middlesex	6,097	6,181	6,393	6,561
Burkett	6,181	6,202	6,561	6,617
Tully	6,202	6,204	6,617	6,623
Marcellus	6,204	NA	6,623	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:	5/12/2021
Job End Date:	5/26/2021
State:	West Virginia
County:	Tyler
API Number:	47-095-02710-00-00
Operator Name:	Antero Resources Corporation
Well Name and Number:	GARRISON UNIT 2H
Latitude:	39.41818800
Longitude:	-80.99076100
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	6,276
Total Base Water Volume (gal):	21,710,072
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	86.68749	Density = 8.50
Ingredients	Listed Above	Listed Above					
			Water	7732-18-5	100.00000	0.05136	

FLUID Enviro-Syn HCR-7000-WL	Fluid Energy Group	Acid Replacement					
				Listed Below			
OPTIFLO-II DELAYED RELEASE BREAKER	Halliburton	Breaker					
				Listed Below			
HYDROCHLORIC ACID, 22 BAUME	Halliburton	Solvent					
				Listed Below			
Excelerate LX-15	Halliburton	Friction Reducer					
				Listed Below			
MC B-8614A	MultiChem	Biocide					
				Listed Below			
WG-36 GELLING AGENT	Halliburton	Gelling Agent					
				Listed Below			
Sand-Common White-100 Mesh, SSA-2	Halliburton	Proppant					
				Listed Below			
Sand-Premium White-30/70	Halliburton	Proppant					
				Listed Below			

HAI-501	Halliburton	Acid Corrosion Inhibitor					
				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	13.18298	
			Complex Amine Compound	Proprietary	60.00000	0.02833	
			Hydrotreated light petroleum distillate	64742-47-8	30.00000	0.01417	
			Proprietary	Proprietary	20.00000	0.01098	
			Proprietary	Proprietary	10.00000	0.00549	
			Hydrochloric acid	7647-01-0	30.00000	0.00432	
			Guar gum	9000-30-0	100.00000	0.00430	
			Glutaraldehyde	111-30-8	30.00000	0.00259	
			Sorbitan, mono-9-octadecenoate, (Z)	1338-43-8	5.00000	0.00236	
			Surfactant	Proprietary	5.00000	0.00236	
			Ethoxylated alcohols	Proprietary	5.00000	0.00047	
			Alkoxylated polyhydric alcohol	Proprietary	1.00000	0.00047	
			Organic chloride compound	Proprietary	1.00000	0.00047	
			Alkyl (C12-16) dimethylbenzyl ammonium chloride	68424-85-1	5.00000	0.00043	
			Ethanol	64-17-5	1.00000	0.00009	
			Ammonium persulfate	7727-54-0	100.00000	0.00005	
			Methanol	67-56-1	100.00000	0.00002	
			Oxylated phenolic resin	Proprietary	30.00000	0.00001	
			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	
			Formaldehyde	50-00-0	0.01000	0.00000	

			Sodium glycolate	2836-32-0	0.01000	0.00000	
			Organic salt #1	Proprietary	0.01000	0.00000	
			Sodium hydroxide	1310-73-2	0.01000	0.00000	
			Organic salt #2	Proprietary	0.01000	0.00000	
			Nitrated acetate salt	Proprietary	0.01000	0.00000	
			Acrylamide	79-06-1	0.01000	0.00000	
			Propargyl alcohol	107-19-7	5.00000	0.00000	
			Hexadecene	629-73-2	5.00000	0.00000	
			C.I. pigment Orange 5	3468-63-1	1.00000	0.00000	

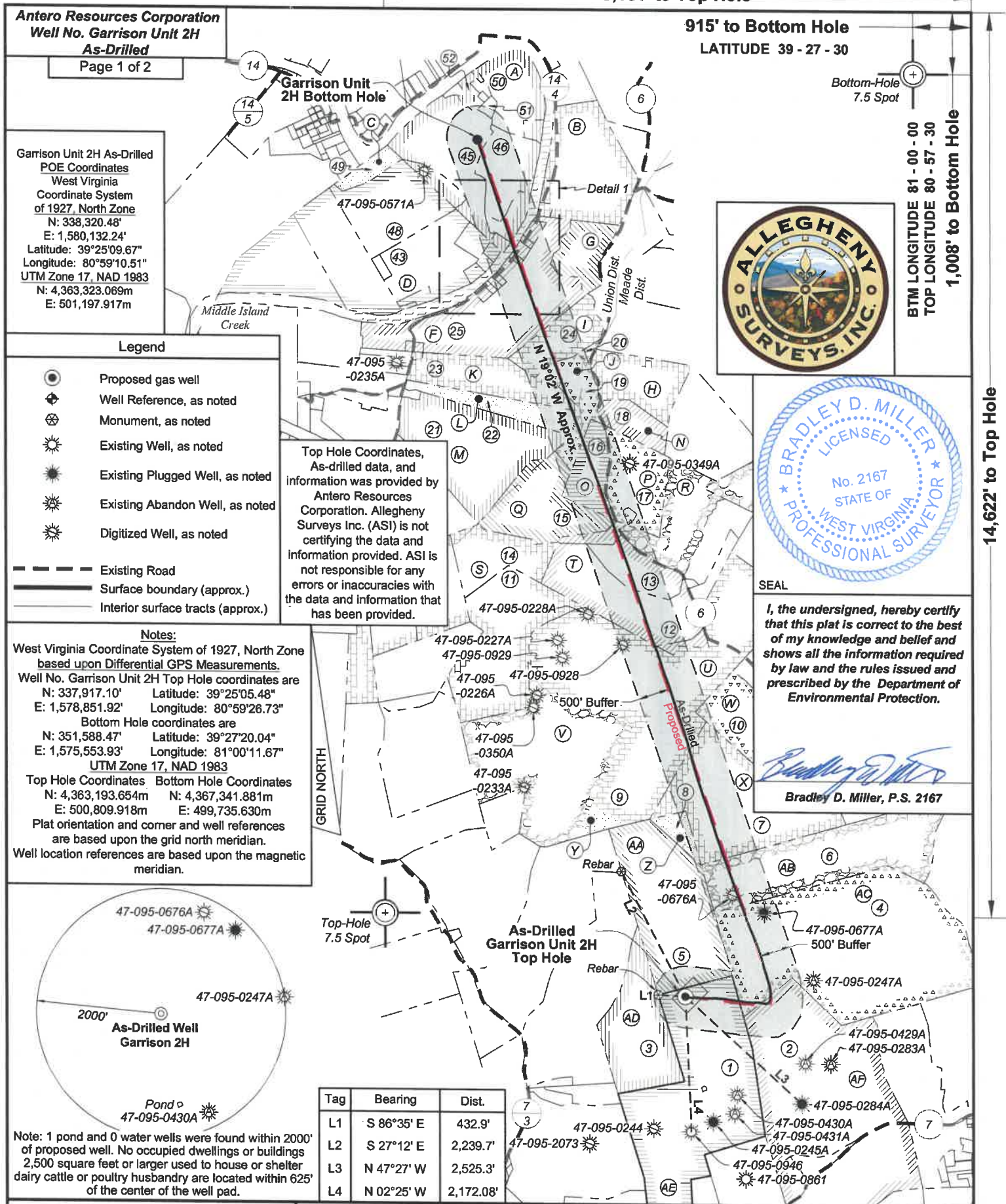
* Total Water Volume sources may include various types of water including fresh water, produced water, and recycled water

** 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)



FILE NO: 54-54-M-17
DRAWING NO: Garrison Unit 2H As-Drilled
SCALE: 1" = 2000'
MINIMUM DEGREE OF ACCURACY: Submeter
PROVEN SOURCE OF ELEVATION: CORS, Bridgeport, WV

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

DATE: October 4 20 21
OPERATOR'S WELL NO. Garrison Unit 2H
API WELL NO
47 - 095 - 02710
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: 1045' WATERSHED: Outlet Middle Island Creek
DISTRICT: Union / Meade Top: Middlebourne
SURFACE OWNER: Elizabeth Gorrell QUADRANGLE: Btm: Bens Run
ROYALTY OWNER: J&N Management Enterprises, LLC; Julie Summers; Roger & Dawn E. Billiter; LEASE NO: COUNTY: Tyler
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: 20,699' MD

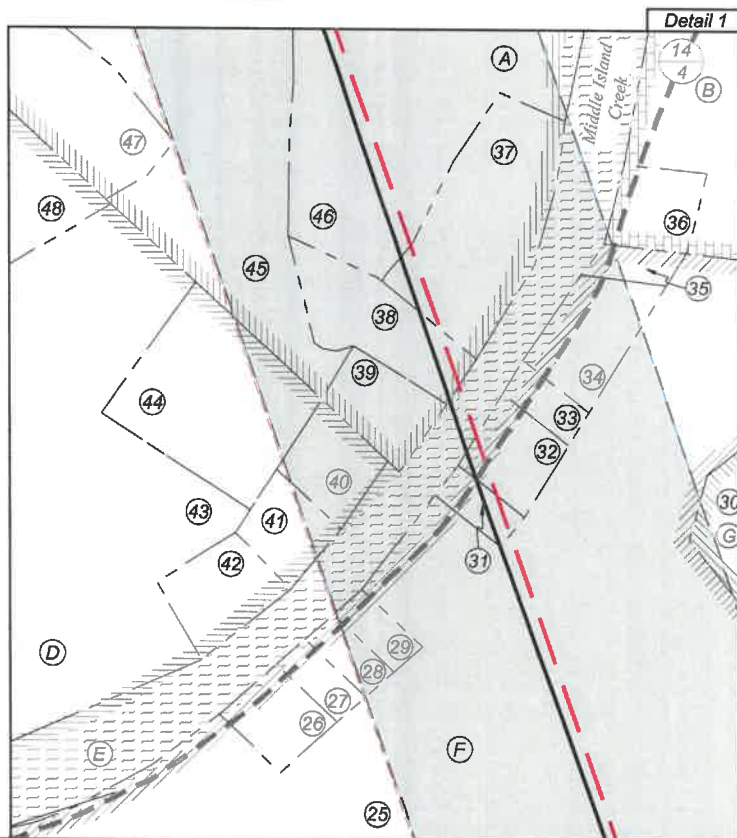
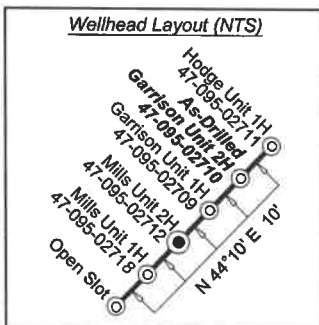
WELL OPERATOR: Antero Resources Corporation DESIGNATED AGENT: Dianna Stamper - CT Corporation System
ADDRESS: 1615 Wynkoop Street ADDRESS: 5400 D Big Tyler Road
Denver CO 80202 Charleston, WV 25313



Tyler County - Meade District				
No.	TM / Par	Owner	Bk / Pg	Ac.
1	7 / 15	Elizabeth Gorrell	321 / 360	242.50
2	7 / 16	Seven Spirits Farms, LLC	381 / 67	175.11
3	7 / 14	Russell G. & Ruth M. Smith Family Trust	541 / 608	50.00
4	7 / 10	Michael R. & Linda Fritzsimmmons	336 / 764	161.63
5	7 / 5	Coastal Forest Resources Co.	301 / 131	74.30
6	7 / 6	Joseph K. Turbush	390 / 22	75.00
7	4 / 30	Tony E. & Ellen L. Wince	246 / 25	97.15
8	7 / 5.1	Tony E. & Ellen L. Wince	246 / 25	5.70
9	4 / 27	Stanley M. & Sheba J. Shultz	202 / 438	271.29
10	4 / 29	Michael A. Domino	378 / 751	42.73
11	4 / 22	Lori C. & Ernest P. Herbold Jr., et al	343 / 714	63.60
12	4 / 23	Stanley N. Sheba J. Shultz, et al	335 / 958	41.27
13	4 / 23.3	William R. & Ruth R. Erlewine	433 / 585	17.00
14	4 / 11	Lori C. & Ernest P. Herbold Jr., et al	343 / 714	25.08
15	4 / 12	Gerold W. & Fay L. Bailey, Trustees of the Bailey Revocable Living Trust	374 / 647	47.00
16	4 / 13	Gerold W. & Fay L. Bailey, Trustees of the Bailey Revocable Living Trust	374 / 647	17.00
17	4 / 14	Roger L. H. & Dawn E. Billiter	290 / 155	26.03
18	4 / 3.4	Roger L. H. & Dawn E. Billiter	369 / 541	13.50
19	4 / 3.1	Roger L. H. & Dawn E. Billiter	354 / 118	7.54
20	4 / 3.2	Roger L. H. & Dawn E. Billiter	334 / 310	1.87

Tyler County - Union District				
No.	TM / Par	Owner	Bk / Pg	Ac.
21	15 / 27	Jay L. & Carla Summers	429 / 201	35.13
22	15 / 14	Jay L. & Carla Summers, et al	W24 / 47	16.00
23	15 / 10	Craig E. Smith	335 / 275	16.00
24	15 / 38	Roger L. H. & Dawn E. Billiter	340 / 643	21.00
25	15 / 4	Stephen P. Racer	301 / 595	60.00
26	13 / 61	David W. & Sandra J. Myers	203 / 462	1.00
27	13 / 62	Thomas R. Minks	314 / 574	0.50
28	13 / 60	George W. & Marjorie Meeks	311 / 383	0.50
29	13 / 59	George W. & Marjorie Meeks	311 / 383	0.50
30	13 / 76	Robert Lawson	359 / 392	17.50
31	13 / 78	William C. Murphy	133 / 74	0.50
32	13 / 58	Charles S. Sapp	366 / 484	1.10
33	13 / 77	Olga E. Hawkins	205 / 705	0.50
34	13 / 57	Charles S. Sapp	366 / 484	1.50
35	13 / 56	Charles S. Sapp	366 / 484	0.50
36	13 / 55.1	Charles S. Sapp	271 / 309	1.00
37	13 / 74.12	Donald B. & Barbara S. Stokes	387 / 61	4.02
38	13 / 74.9	Donald B. & Barbara S. Stokes	385 / 18	2.06
39	13 / 74.10	Mary C. Stewart	362 / 63	1.20
40	13 / 63	George W. & Marjorie Meeks	311 / 383	1.00
41	13 / 65	Diana L. & George W. Meeks, Jr.	363 / 292	1.00
42	13 / 66	George W. & Marjorie Meeks	311 / 383	1.00
43	13 / 69	The Wilharm Cabin Trust	568 / 172	28.50
44	13 / 64	George W. & Marjorie Meeks	311 / 383	4.00
45	13 / 74.5	Mary C. Stewart	362 / 63	30.58
46	13 / 74.2	Roger L. & Sara L. Hall	358 / 110	22.48
47	13 / 74.4	Jerry M. & Anna A. Cooper	358 / 102	5.35
48	13 / 73	Jerry M. & Anna A. Cooper	343 / 778	39.00
49	13 / 40	Jerry M. & Anna A. Cooper	352 / 148	6.60
50	13 / 74.3	Bobbin E. Pardine	358 / 115	22.88
51	13 / 74.1	Roger L. & Sara L. Hall	358 / 106	1.36
52	13 / 74	Mary C. Stewart	362 / 63	3.21

ID	Lease
A	J&N Management Enterprises, LLC
B	Geraldine Moses
C	Jerry M. & Anna A. Cooper
D	Kenneth & Lora G. Thomas
E	WVDNR
F	BRC Appalachian Minerals I, LLC
G	I.L. Morris
H	Ridgewood Development, LLC
I	Roger L. & Dawn E. Billiter
J	Ridgewood Development, LLC
K	Craig E. Smith
L	Julie Summers
M	Julie Summers
N	Roger L. & Dawn E. Billiter
O	Jimmy B. Bailey
P	RMH Trust
Q	Jimmy B. Bailey
R	The Thelma E. Hadley Testamentary Trust, Judy L. Mellor, as Trustee
S	Dale V. Hadley
T	BRC Appalachian Minerals I, LLC
U	John M. Garrison
V	Ronald Aston
W	Michael A. Domino
X	Tony E. & Ellen L. Wince
Y	BRC Appalachian Minerals I, LLC
Z	Tony E. & Ellen L. Wince
AA	Wilma Jane Benefield
AB	Rita G. Jarvis
AC	Kerr-McGee Oil & Gas Onshore LP
AD	Janet Sue Baker
AE	Elizabeth Gorrell, et al
AF	Mary E. Clymer



FILE NO: 54-54-M-17

DRAWING NO: Garrison Unit 2H As-Drilled

SCALE: 1" = 2000'

MINIMUM DEGREE OF ACCURACY:
Submeter

PROVEN SOURCE OF ELEVATION:
CORS, Bridgeport, WV

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LOCATION: ELEVATION: 1045'

WATERSHED: Outlet Middle Island Creek

QUADRANGLE: Top: Middlebourne
Btm: Bens Run

DISTRICT: Union / Meade

Ridgewood Development, LLC; Mary E. Clymer; Craig E. Smith;
Kerr-McGee Oil & Gas Onshore LP; WVDNR; Rita G. Jarvis;
BRC Appalachian Minerals I LLC (2); Jimmy B. Bailey (2);
Tony E. & Ellen L. Wince; Elizabeth Gorrell, et al; John M. Garrison;

COUNTY: Tyler 106.8; 81; 64.36;
ACREAGE: 212.30 166.5625; 94.35; 17;
47.92; 1.41; 16;
201.8; 16; 185;
ACREAGE: 20.41; 21.15; 234.74;

ROYALTY OWNER: J&N Management Enterprises, LLC; Julie Summers; Roger & Dawn E. Billiter; 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: 6,190' TVD
20,699' MD

WELL OPERATOR: Antero Resources Corporation

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