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Quad Paden City 7.5

02639

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

County Tyler

Pad Name Gamehenge Pad

Office of Oil and Gas District Ellsworth 2 2 2022 Field/Pool Namemental Protection

Maggie Unit 3H

Farm name Barbara Kay Turner		Well Nur	nber way	ggie Office	
Operator (as registered with the OOG) Antero Res	sources Corporation				
	City Denver	State	CO	Zip	80202
As Drilled location NAD 83/UTM Attach at Top hole Northing 4373 Landing Point of Curve Northing 4373		Easting 50980 Easting 51033	6.555m 6.95m		
Bottom Hole Northing 4376	499.053m	Easting 50938	1.478m		
Elevation (ft) 1061' GL Type	of Well ■New □ Exi	sting Type	of Report	□Interim	■Final
Permit Type Deviated Horizontal	Horizontal 6A 🗆 V	Vertical Dep	th Type	□ Deep	Shallow
Type of Operation □ Convert □ Deepen ■ D	rill 🗆 Plug Back	□ Redrilling □	Rework	■ Stimul	ate
Well Type □ Brine Disposal □ CBM ■ Gas ■ C	il = Cacandam Paga	om: = Solution Mi	ning = St	ornge = (Other
well Type Brine Disposal CBM Gas C	II Secondary Recov	ery 🗆 Solution Mi	ung L St	orage 11 C	Junet
Type of Completion ■ Single □ Multiple Flu	ids Produced Brine	■Gas □ NGL	■ Oil	□ Other _	
	Fresh Water Inter	mediate hole 📱 A	ir □ Mud	d □ Fresh	Water Brine
Drilling Media Surface hole ■ Air □ Mud □ Production hole □ Air ■ Mud □ Fresh Water Mud Type(s) and Additive(s) Air - Foam & 4% KCL		mediate hole 🛚 🖹 A	ir □ Mud	d □ Fresh	Water □ Brine
Drilling Media Surface hole Air Mud Droduction hole Air Mud Fresh Water Mud Type(s) and Additive(s) Air - Foam & 4% KCL Mud - Polymer	□ Brine				
Drilling Media Surface hole Air Mud Production hole Air Mud Fresh Water Mud Type(s) and Additive(s) Air - Foam & 4% KCL Mud - Polymer Date permit issued 8/20/2019 Date drill	□ Brine ling commenced 12	/13/2019 _{Da}	ate drilling	ceased	2/28/2020
Drilling Media Surface hole Air Mud Droduction hole Air Mud Fresh Water Mud Type(s) and Additive(s) Air - Foam & 4% KCL Mud - Polymer Date permit issued 8/20/2019 Date drill Date completion activities began 6/15/202	□ Brine ling commenced 12 0 Date comp	/13/2019 Da	ate drilling	ceased 7/30/202	2/28/2020 0
Drilling Media Surface hole Air Mud Production hole Air Mud Fresh Water Mud Type(s) and Additive(s) Air - Foam & 4% KCL Mud - Polymer Date permit issued 8/20/2019 Date drill Date completion activities began 6/15/202	□ Brine ling commenced 12 0 Date comp	/13/2019 Da	ate drilling	ceased	2/28/2020 0
Drilling Media Surface hole Air Mud Droduction hole Air Mud Fresh Water Mud Type(s) and Additive(s) Air - Foam & 4% KCL Mud - Polymer Date permit issued 8/20/2019 Date drill Date completion activities began 6/15/202 Verbal plugging (Y/N) N/A Date permission	□ Brine ling commenced 12 0 Date complon granted N/	/13/2019 Date tion activities cease A Grante	ate drilling seded by	ceased 7/30/202 N/A	2/28/2020 0
Drilling Media Surface hole Air Mud Droduction hole Air Mud Droduction hole Air Mud Dresh Water Mud Type(s) and Additive(s) Air - Foam & 4% KCL Mud - Polymer Date permit issued 8/20/2019 Date drill Date completion activities began 6/15/202 Verbal plugging (Y/N) N/A Date permission Please note: Operator is required to submit a plugging of the p	Ing commenced 12 Date complon granted N/ ng application within 5	/13/2019 Date tion activities cease A Grante days of verbal perm	ate drilling sed ed by nission to p	ceased 7/30/202 N/A	2/28/2020 0
Drilling Media Surface hole Air Mud Droduction hole Air Mud Droduction hole Air Mud Dresh Water Mud Type(s) and Additive(s) Air - Foam & 4% KCL Mud - Polymer Date permit issued 8/20/2019 Date drill 6/15/202 Verbal plugging (Y/N) N/A Date permission Please note: Operator is required to submit a plugging freshwater depth(s) ft 363'	Ing commenced 12 Description of the description of	/13/2019 Date tion activities cease A Grante	ate drilling sed ed by nission to p	ceased 7/30/202 N/A	2/28/2020 0
Drilling Media Surface hole Air Mud Production hole Air Mud Fresh Water Mud Type(s) and Additive(s) Air - Foam & 4% KCL Mud - Polymer Date permit issued 8/20/2019 Date drill Date completion activities began 6/15/202 Verbal plugging (Y/N) N/A Date permission Please note: Operator is required to submit a plugging freshwater depth(s) ft 363'	Ing commenced 12 Date complete N/ Ing application within 5 Open mine(s	/13/2019 Da etion activities cease A Grante days of verbal perm (i) (Y/N) depths	ate drilling sed ed by nission to p	ceased 7/30/202 N/A olug No No	2/28/2020 0

WR-35

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Rev.	8/23/13

API 47- 095	02639	Farm name_	Barbara Kay	urner	Well number_Maggie Unit 3H				
CASING STRINGS	Hole Size	Casing Size		w or Grade sed wt/ft	В	asket D	id cement circulate (Y/N) Provide details below*		
Conductor	24"	20"			, H-40	N/A	Υ		
Surface	17-1/2"	13-3/8"			¢, J-55	N/A	<u> </u>		
Coal		10 0/0	1	0411	7, 0-00	IVA	······································		
Intermediate 1	12-1/4"	9-5/8"	2641' N	lew 36#	ŧ, J-55	N/A	Υ		
Intermediate 2	٨,,,								
Intermediate 3		* . *							
Production	8-3/4"/8-1/2"	5-1/2" 1	7093' N	lew 20#,	, P-110	N/A	Υ		
Tubing		2-3/8"	6943'	4.7#	, P-110				
Packer type and de	epth set	N/A							
Comment Details		· · · · · · · · · · · · · · · · · · ·							
CEMENT DATA	Class/Type of Cement		Slurry wt (ppg)	Yield (ft ³ /sks)	Volume (ft ³)	Cement Top (MD)	WOC (hrs)		
Conductor	Class A	204 sx	15.6	1.20	43	0'	8 Hrs.		
Surface	Class A	398 sx	15.6	1.20	85	0'	8 Hrs.		
Coal Intermediate 1									
Intermediate 2	Class A	981 sx	15.6	1.20	213	0'	8 Hrs.		
Intermediate 3									
Production	Class H	798 sx (Lead) 2765 sx (Tai	1) 13 5 (Load) 15 3 (Tail)	1.53 (Lead), 1.15 (Tail)	571	~500' into Intermediate	Casing 8 Hrs.		
Tubing	Olass II	730 3X (Lead) 2703 3X (Tal) 10.5 (Ceau), 10.2 (1all)	1.00 (cead), 1.10 (rail)	3/1		01113.		
Deepest forma Plug back pro	tion penetrated cedure N/A	TVD (BHL), 6486' (Deepest Po		ggers TD (ft) 225 g back to (ft) N//					
Kick off depth Check all wire		□ caliper □ □ neutron □		deviated/directi gamma ray			osonic		
Well cored	Yes A No	Conventional	Sidewall	W	ere cuttings	collected 🗆 Ye	es ■ No		
DESCRIBE T	HE CENTRAI	LIZER PLACEMENT	USED FOR EA	CH CASING S	TRING				
		rt float, 1 every 4th joint to surface	100						
		loat collar, 1 every 4th joint to surf at collar, 1 every 3rd joint to top of c							
WAS WELL	COMPLETED	AS SHOT HOLE	Yes A No	DETAILS					
WAS WELL	COMPLETED	OPEN HOLE? - Y	es ■ No	DETAILS _					
WERE TRAC	ERS USED	□ Yes ■ No T	YPE OF TRAC	ER(S) USED N	/A				



Maggie Unit 3H Barbara Kay Turner Well number API 47-095 -02639 Farm name PERFORATION RECORD Office of Oil and Gas Perforated from Perforated to Number of Stage MD ft. MD ft. Perforations No. Perforation date *PLEASE SEE ATTACHE Please insert additional pages as applicable. STIMULATION INFORMATION PER STAGE Complete a separate record for each stimulation stage. Ave Pump Ave Treatment Max Breakdown Amount of Amount of Stage Stimulations Amount of Rate (BPM) ISIP (PSI) Water (bbls) Nitrogen/other (units) Pressure (PSI) Pressure (PSI) No. Date Proppant (lbs) *PLEASE SEE ATTACHED EXHIBIT 2

Please insert additional pages as applicable.

5m

Title Permitting Agent

Submittal of Hydraulic Fracturing Chemical Disclosure Information

Signature

Attach copy of FRACFOCUS Registry



		39 Farm Name Barbar	IIBIT 1		
tage No.	Perforation	Perforated from MD	Perforated to	Number of	Formations
	Date	ft.	MD ft. 16587	Perforations	Marcellus
1	5/15/2020	16680		32	
2	5/16/2020	16551.15957	16383.9574	32	Marcellus
3	5/16/2020	16348.11702	16180.9149	32	Marcellus
4	5/16/2020	16145.07447	15977.8723	32	Marcellus
5	5/17/2020	15942.03191	15774.8298	32	Marcellus
6	5/17/2020	15738.98936	15571.7872	32	Marcellus
7	5/17/2020	15535.94681	15368.7447	32	Marcellus
8	5/17/2020	15332.90426	15165.7021	32	Marcellus
9	5/17/2020	15129.8617	14962.6596	32	Marcellus
10	5/18/2020	14926.81915	14759.617	32	Marcellus
11	5/18/2020	14723.7766	14556.5745	32	Marcellus
12	5/18/2020	14520.73404	14353.5319	32	Marcellus
13	5/19/2020	14317.69149	14150.4894	32	Marcellus
14	5/19/2020	14114.64894	13947.4468	32	Marcellus
15	5/19/2020	13911.60638	13744.4043	32	Marcellus
16	5/19/2020	13708.56383	13541.3617	32	Marcellus
17	5/19/2020	13505.52128	13338.3191	32	Marcellus
18	5/20/2020	13302.47872	13135.2766	32	Marcellus
19	5/20/2020	13099.43617	12932.234	32	Marcellus
20	5/20/2020	12896.39362	12729.1915	32	Marcellus
21	5/20/2020	12693.35106	12526.1489	32	Marcellus
22	5/21/2020	12490.30851	12323.1064	32	Marcellus
23	5/21/2020	12287.26596	12120.0638	32	Marcellus
24	5/22/2020	12084.2234	11917.0213	32	Marcellus
25	5/22/2020	11881.18085	11713.9787	32	Marcellus
	5/22/2020	11678.1383	11510.9362	32	Marcellus
26	5/22/2020	11475.09574	11307.8936		Marcellus
27		11272.05319	11104.8511	32	
28	5/23/2020			32	Marcellus
29	5/23/2020	11069.01064	10901.8085	32	Marcellus
30	5/24/2020	10865.96809	10698.766	32	Marcellus
31	5/24/2020	10662.92553	10495.7234	32	Marcellus
32	5/24/2020	10459.88298	10292.6809	32	Marcellus
33	5/24/2020	10256.84043	10089.6383	32	Marcellus
34	5/24/2020	10053.79787	9886.59574	32	Marcellus
35	5/25/2020	9850.755319	9683.55319	32	Marcellus
36	5/25/2020	9647.712766	9480.51064	32	Marcellus
37	5/25/2020	9444.670213	9277.46809	32	Marcellus
38	5/25/2020	9241.62766	9074.42553	32	Marcellus
39	5/26/2020	9038.585106	8871.38298	32	Marcellus
40	5/26/2020	8835.542553	8668.34043	32	Marcellus
41	5/26/2020	8632.5	8465.29787	32	Marcellus
42	5/26/2020	8429.457447	8262.25532	32	Marcellus
43	5/26/2020	8226.414894	8059.21277	32	Marcellus
44	5/27/2020	8023.37234	7856.17021	32	Marcellus
45	5/27/2020	7820.329787	7653.12766	32	Marcellus
46	5/27/2020	7617.287234	7450.08511		
	5/27/2020	7414.244681		32	Marcellus
47	3/2//2020	1414.244081	7247.04255	32	Marcellus



				EXHIBIT	Γ2			
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	5/15/2020	78.11	7580	6066	3855	257700	6595.095	N/A
2	5/16/2020	93.65	8142	5135	4201	404810	7212.357	N/A
3	5/16/2020	95.62	8440	4905	4189	407590	7105.524	N/A
4	5/16/2020	94.97	8104	3972	4208	403850	7239.357	N/A
5	5/17/2020	94.64	8349	5415	3695	407990	7315.381	N/A
6	5/17/2020	95.94	8205	5373	3583	409940	7227.571	N/A
7	5/17/2020	88.83	8016	5211	3430	407000	7128.238	N/A
8	5/17/2020	90.07	8284	6252	3891	407500	7349.238	N/A
9	5/17/2020	85.89	7909	4784	3408	409160	7211.905	N/A
10	5/18/2020	85.8	7797	4903	3540	404460	7142.381	N/A
11	5/18/2020	87.2	7934	5258	3634	406270	7067.619	N/A
12	5/18/2020	83.97	7846	4805	3747	413610	7272.976	N/A
13	5/19/2020	84.35	7677	5020	3391	401330	7057.333	N/A
14	5/19/2020	85.88	7607	4610	3638	426270	7178.786	N/A
15	5/19/2020	95.78	8281	4881	3588	404760	6982.952	N/A
	5/19/2020	96.23	8386	5182	3994	400930	7055.476	N/A
16	5/19/2020	78.13	7331	6201	3966	406280	7175.5	N/A
17	5/20/2020	96.29	8145	5287	4041	406020	7427.452	N/A
18	The second second	95.92	8166	5258	3732	404230	7087.071	N/A
19	5/20/2020			4099	4365		7154.429	N/A
20	5/20/2020	96.63	8162	-		401410	_	
21	5/20/2020	95.47	8032	5151	3881	404080	7203.024	N/A
22	5/21/2020	96.37	7836	5140	3812	414640	7133.571	N/A
23	5/21/2020	93.89	7767	4888	4186	408060	8188.167	N/A
24	5/22/2020	95.77	7950	5146	3747	409990	7123.69	N/A
25	5/22/2020	96.95	8024	4080	3624	407780	7046.833	N/A
26	5/22/2020	96.38	8220	5396	4189	417440	7137.095	N/A
27	5/22/2020	95.52	7895	5269	4137	422720	7112.81	N/A
28	5/23/2020	96.9	7888	5260	3511	417250	7191.905	N/A
29	5/23/2020	95.21	7972	5151	3493	406790	7106.595	N/A
30	5/24/2020	93.91	7668	5101	3828	402740	7198.452	N/A
31	5/24/2020	96.84	7717	5550	3818	403800	7127.857	N/A
32	5/24/2020	97.57	8243	5183	3798	405220	6913.881	N/A
33	5/24/2020	95.42	7992	5448	3569	406510	6897.381	N/A
34	5/24/2020	96.14	8075	5236	3754	409660	6908.643	N/A
35	5/25/2020	94.74	7883	5431	3808	413160	6873.548	N/A
36	5/25/2020	96.17	8024	5432	3876	413910	6847.167	N/A
37	5/25/2020	95.1	8148	5797	3752	411600	7033.143	N/A
38	5/25/2020	97.01	7611	5953	4054	407380	6757.548	N/A
39	5/26/2020	95.62	7407	5643	4132	412130	6934.143	N/A
40	5/26/2020	97.75	7833	5697	4417	405980	6885.667	N/A
41	5/26/2020	97.56	7902	5815	4068	412490	6898.667	N/A
42	5/26/2020	97.79	7602	5881	3422	421700	6838.81	N/A
43	5/26/2020	95.54	7422	5440	3734	412430	6765.643	N/A
44	5/27/2020	97.92	7719	6239	4108	416570	6819.119	N/A
45	5/27/2020	97.84	7695	6022	4245	417390	6953.929	N/A
46	5/27/2020	97.13	7648	5303	4116	414160	6884	N/A
47	5/27/2020	97.64	7298	5615	3666	407510	6736.524	N/A
48	5/27/2020	98.05	7342	5585	3363	409310	6738.881	N/A
	AVG=	93.8	7,899.5	5,301.4	3,837.6	406,323.1	7,067.6	TOTAL

		EXHIBIT 3		
LITHOLOGY/ FORMATION	TOP DEPTH (TVD) From Surface	BOTTOM DEPTH (TVD) From Surface	TOP DEPTH (MD) From Surface	BOTTOM DEPTH (MD) From Surface
Siltstone	85	185	85	185
Shaly Siltstone	185	485	185	485
Siltstone w/ trace coal	485	645	485	645
Sandstone	565	705	565	705
Shaly Siltstone	645	705	645	705
Sandstone	705	765	705	765
Shaly Siltstone	765	965	765	965
Shale	965	1,145	965	1,145
Siltstone	1,145	1,265	1,145	1,265
Sandstone	1,265	1,425	1,265	1,425
Shaly Siltsone	1,425	1,465	1,425	1,465
Sandstone w/ trace coal	1,465	1,545	1,465	1,545
Siltstone	1,545	1,725	1,545	1,725
Silty Sandstone	1,725	1,785	1,725	1,785
Sandstone	1,785	1,918	1,785	1,982
Big Lime	1,933	2,589	1,967	2,699
Fifty Foot Sandstone	2,589	2,704	2,669	2,821
Gordon	2,704	2,978	2,791	3,115
Fifth Sandstone	2,978	3,048	3,085	3,191
Bayard	3,048	3,931	3,161	4,140
Speechley	3,931	4,213	4,110	4,444
Balltown	4,213	4,569	4,414	4,825
Bradford	4,569	5,017	4,795	5,304
Benson	5,017	5,217	5,274	5,518
Alexander	5,217	6,304	5,488	6,727
Sycamore	6,168	6,274	6,554	6,697
Middlesex	6,274	6,363	6,697	6,847
Burkett	6,363	6,382	6,847	6,885
Tully	6,382	6,423	6,885	6,992
Marcellus	6,423	NA	6,992	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

5/15/2020	Job Start Date:
5/27/2020	Job End Date:
West Virginia	State:
Tyler	County:
47-095-02639-00-00	API Number:
Antero Resources Corporation	Operator Name:
Maggie Unit 3H	Well Name and Number:
39.50978000	Latitude:
-80.88611000	Longitude:
NAD83	Datum:
NO	Federal Well:
NO	Indian Well:
6,489	True Vertical Depth:
14,818,127	Total Base Water Volume (gal):
.0	Total Base Non Water Volume:
	THE RESERVE THE PROPERTY OF TH







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 Mixture	Halliburton	Base Fluid					
	Sachd	A ST SING	Water	7732-18-5	100.00000	86.42237	Density = 8.50
ngredients	Listed Above	rested Works					
		30,0	Water	7732-18-5	100,00000	0.17073	



Sand-Common White-100 Mesh, SSA-2	Halliburton	Proppant			
			Listed Below		
SAND-COMMON WHITE 40/70	Halliburton	Proppant			
			Listed Below		
OPTIFLO-II DELAYED RELEASE BREAKER	Halliburton	Breaker			
			Listed Below		
MC B-8614	Halliburton	Biocide			
	-		Listed Below		
Legend LD-1330	MultiChem	Completion/Stim ulation			
			Listed Below		
HYDROCHLORI C ACID, 22 BAUME	Halliburton	Solvent			
			Listed Below		
Excelerate LX-15	Halliburton	Friction Reducer		 :	-
			Listed Below		
HAI-501	Halliburton	Acid Corrosion Inhibitor			
			Listed Below		



WG-36 GELLING AGENT	Halliburton	Gelling Agent					
				Listed Below			
em a above arë. Fra	ide Names with th		Valer Itemo ba, w ere lite inti	vidual ingratianis			
			Crystalline silica, quartz	14808-60-7	100,00000	13.38219	
			Hydrochloric acid	7647-01-0	30,00000	0.04107	
			Complex Amine Compound	Proprietary	60,00000	0,02536	
			Hydrotreated light petroleum distillate	64742-47-8	30,00000	0.01268	
			Guar gum	9000-30-0	100.00000	0.00662	
~~~			Glutaraldehyde	111-30-8	30.00000	0.00255	
			Sobitan, mono-9- octadecenoate, (Z)	1338-43-8	5,00000	0.00211	
			Surfactant	Proprietary	5.00000	0.00211	
			Complex Alcohol	Proprietary	60.00000	0.00048	
			Ethoxylated alcohols	Proprietary	5.00000	0.00043	
			Quaternary ammonium compounds, benzyl-C12- 16-alkyldimethyl chlorides	68424-85-1	5.00000	0.00042	
- = 10			Organic chloride compound	Proprietary	1.00000	0.00042	
11			Alkoxylated polyhydric alcohol	Proprietary	1.00000	0.00042	
			Methanol	67-56-1	100.00000	0.00033	
		\$	Ammonium persulfate	7727-54-0	100,00000	0.00015	
		4n	Ethanol	64-17-5	1.00000	0.00008	
	TO T		Mixture of dimer and trimer fatty acids of indefinite compostion derived from tall oil	61790-12-3	30.00000	0.00007	
	U	g d	Modified thiourea polymer	Proprietary	30.00000	0.00007	
			Oxylated phenolic resin	Proprietary	30.00000	0,00005	



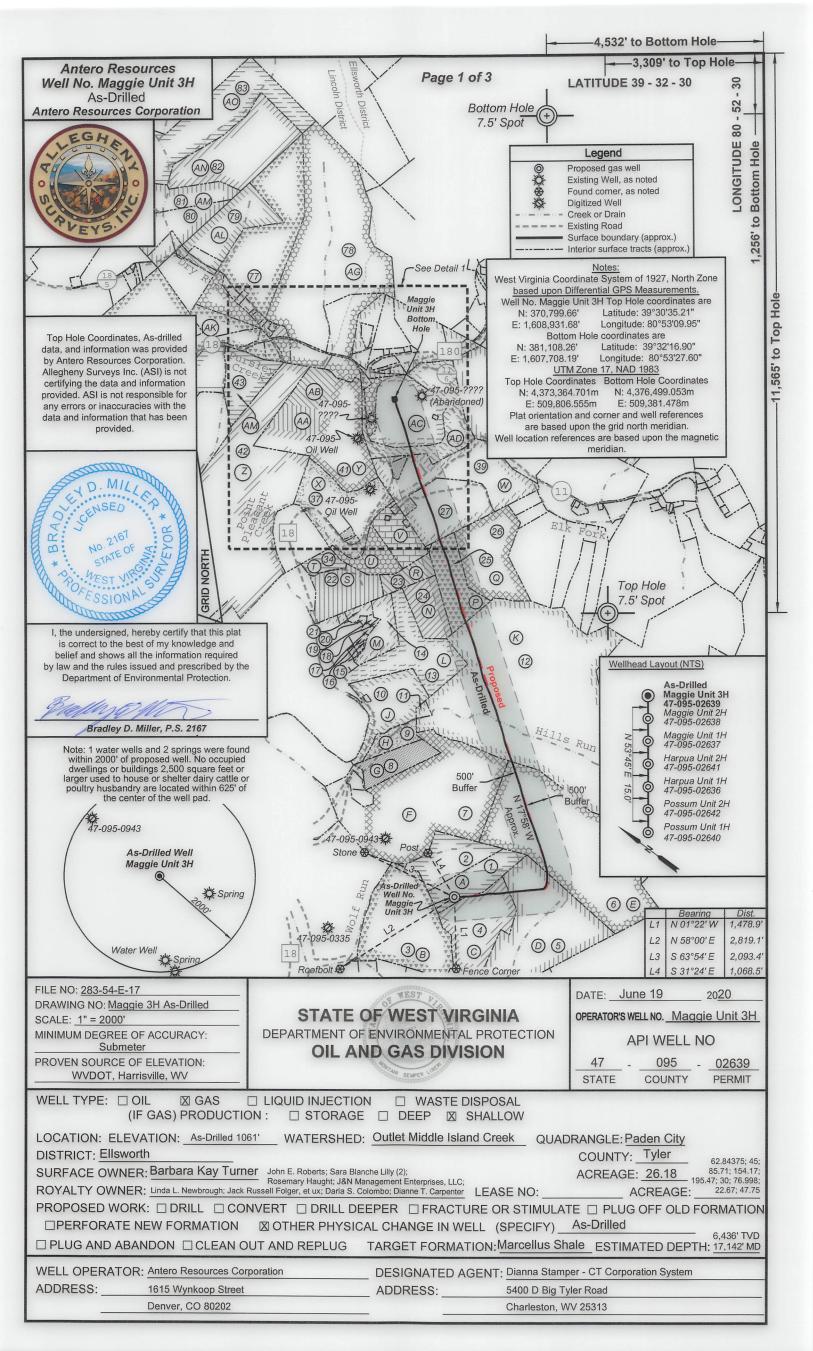
	Quaternary ammonium compounds	Proprietary	5.00000	0.00004	
	Alcohol ethoxylates	Proprietary	5.00000	0.00004	
	Hexadecene	629-73-2	5.00000	0.00001	
	Propargyl alcohol	107-19-7	5.00000	0.00001	
	Phosphoric acid	7664-38-2	0.10000	0.00001	
	Acrylamide	79-06-1	0.01000	0.00000	
	Formaldehyde	50-00-0	0.01000	0.00000	
	Organic salt #2	Proprietary	0.01000	0.00000	
X	Organic salt #1	Proprietary	0.01000	0.00000	
	Nitrated acetate salt	Proprietary	0.01000	0.00000	
	Sodium hydroxide	1310-73-2	0.01000	0.00000	
	Sodium glycolate	2836-32-0	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%

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)



^{***} 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



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

Page 2 of 3

Detail 1 - Not to Scale



FILE NO: <u>283-54-E-17</u>

DRAWING NO: Maggie 3H As-Drilled

SCALE: 1" = 2000'

MINIMUM DEGREE OF ACCURACY: Submeter

PROVEN SOURCE OF ELEVATION: WVDOT, Harrisville, WV

Denver, CO 80202

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

DATE: June 19 2020

OPERATOR'S WELL NO. Maggie Unit 3H

API WELL NO

095 47 COUNTY STATE

Charleston, WV 25313

02639 PERMIT

WELL TYPE: ☐ OIL
LOCATION: ELEVATION: As-Drilled 1061' WATERSHED: Outlet Middle Island Creek QUADRANGLE: Paden City  DISTRICT: Ellsworth COUNTY: Tyler  SURFACE OWNER: Barbara Kay Turner Rosemary Haught; J&N Management Enterprises, LLC; Rosemary Haught; J&N Management Enterprises, LLC; ROYALTY OWNER: Linda L. Newbrough; Jack Russell Folger, et ux; Darla S. Colombo; Dianne T. Carpenter LEASE NO: ACREAGE: 22.67; 47.75
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: 17,142'MD
WELL OPERATOR: Antero Resources Corporation  DESIGNATED AGENT: Dianna Stamper - CT Corporation System  ADDRESS: 1615 Wynkoon Street

### Antero Resources Well No. Maggie Unit 3H As-Drilled

## Page 3 of 3

Antero Re	sources Corporation							
	Lincoln District			П		Ellsworth District		
ID TM / Par	Owner(s)	Book / Page	Acreage	ID	TM / Par	Owner(s)	Book / Page	Acr
67 9/41	Roger J. Morgan II	327 / 31	1.40	1	15 / 18	Barbara Kay Turner	398 / 670	26
68 9 / 41.2	Rodney L. & Brenda K. Morgan	342 / 121	0.517	2	14/26	Barbara Kay Turner	398 / 670	26
69 9 / 41.1	Nancy M. Morgan	269 / 629	0.99	3	14/27	Ridgetop Capital LP	372 / 299	64
70 9/39	Nancy M. Morgan	157 / 512	0.42	4	15 / 19	David Mendenhall, et al	282 / 723	45
71 9/44	Diane W. Clark	WB 39 / 544	40,681	5	15 / 17	Timothy Aiken, et al	288 / 662	88
72 9/44.1	Rodney L. & Brenda K. Morgan	297 / 137	5.299	6	15 / 37	John D. Mendanhall & Jeffrey A. Davis	444 / 531	15
73 9/33.3	David Dean & Whitney C. Cooper	438 / 62	12.131	7	14 / 25	Stanley M. Koterba, et al	331 / 32	12
74 9/37	William Bassett	WB 30 / 15	0.92	8	14/11	Larry R. Henthorn	270 / 363	2
75 9/37.1	Dottie Marie Perrine	WB 30 / 15	0.41	9	9/61	Larry R. Henthom	212 / 606	10
76 9/38	Charles O. Rice	157 / 293	1.31	10	9/60	James F. & Phyllis Henthorn	190 / 311	36
77 9/33	Jefferson Minerals LLC	438 / 66	69.169	11	10 / 63	Larry R. & Kim M. Henthorn	355 / 654	1
78 9/34	James Lee & Michael E. Sine	438 / 427	125.60	12	10 / 62	Haessley Land & Timber, LLC	334 / 833	26
79 9/32	Tracy P. Carr	346 / 487	32.174	13	9/59	James F. & Phyllis Henthorn	190 / 311	46
80 9/31	Russell L. & Mary E. Myers	347 / 263	31.451	14	9 / 49	Claudia Jean Gray	WB 29 / 220	15
81 9/31.1	Russell L. & Mary E. Myers	340 / 654	38.04	15	9 / 48.2	Kirk Family Trust	511 / 167	0
82 9/21	Thomas K. Brotherton	23 / 310	64.00	16	9 / 48.4	Francis D. & Barbara Ann Slider	290 / 347	3
83 9/19	Russell L. & Mary E. Myers	337 / 26	93.167	17	9 / 48.5	Kathleen (Baxter) Fluharty	291 / 212	0.
				18	9 / 48.3	Larry Ronald Henthorn	290 / 166	0.
ŀ				19	9/43	Catherine L. Bennett	217 / 376	0
				20	9 / 48.7	Kathleen (Baxter) Fluharty	332 / 216	0.

D	Lease
Α	Linda L. Newbrough
В	Naomi V. Beagle
C	Jack Russell Folger, et ux
Ь	Daria S. Colombo
E	Dianne T. Carpenter
F	Stanley M. Koterba & Irene E. Koterba
G	Sarah Valentour Nass
H	Larry R. Henthorn, et ux
J	Phyllis M. & James F. Henthorn, Sr.
K	Rosemary Haught
L	Phyllis M. & James F. Henthorn, Sr.
М	Larry R. Henthorn, et ux
N	Brandy I. Ankrom
Ρ	J&N Management Enterprises, LLC
a	Charles F. Eddy
R	Emily Day
S	Michael P. & Sherri J. Tuttle
Ţ	Bobby S. & Sue Marie Adams
υ	Roger Ankrom
V	Union Bank
W	John E. Roberts
Х	Waco Oil & Gas, Inc.
Y	Nancy J. Squires
Z	David E. Bowyer
AA	Charles M. Ferrell
AB	H3, LLC
AC	Sara Blanche Lilly Sara Blanche Lilly
AD	
AE	Nancy J. Squires Larry Henthorn
AF	Pamela Oakley-Whitting
AG	Jefferson Minerals, LLC
AH	Roger Morgan
Ai	Kathym L. Watkins
AJ	Diane W. Kestle
AK AL	Nancy Templeton
	Michael D. Reynolds
AM	Bounty Minerals, LLC
AN AO	Timothy L. Vancamp
AΡ	Lazears Chapel Church, Non-Profit Organization
AQ	Melanie Dye
AR AR	Herman Haught & Betty Haught, individually & JTWROS
AS	Shaun Potts, et ux
AT	Thomas Skinner
AU	Rodney Morgan, et ux
AV	Nancy Morgan
AW	Kathleen Pierce
475XXX	I NAME I PAGE

1,2	10/02	ridopoloj Luid & Hillinger, 111	55.7.000	100000000
13	9/59	James F. & Phyllis Henthorn	190 / 311	46.13
14	9 / 49	Claudia Jean Gray	WB 29 / 220	15.15
15	9 / 48.2	Kirk Family Trust	511 / 167	0.33
16	9 / 48.4	Francis D. & Barbara Ann Slider	290 / 347	3.64
17	9 / 48.5	Kathleen (Baxter) Fluharty	291 / 212	0.929
18	9 / 48.3	Larry Ronald Henthorn	290 / 166	0.323
19	9/43	Catherine L. Bennett	217 / 376	0.72
20	9 / 48.7	Kathleen (Baxter) Fluharty	332 / 216	0.548
21	9 / 48	Michael D. & Martha K. Pierpoint	332 / 514	2,82
22	9 / 25	Michael & Sherri Tuttle	319 / 341	24.52
23	9/29	Frank Ankrem	203 / 165	13.30
24	9/44	Mariyn Ankrom & Brady Ankrom	WB 47 / 269	20.00
25	10 / 29	Robert P. Thomas & Sharon L. Thomas	335 / 366	30.00
26	10 / 30	Robert P. Thomas & Sharon L. Thomas	335 / 366	35.75
27	10 / 28.1	Paul William Kirk	355 / 551	38.008
28	9/27	Mariyn Ankrom & Brady Ankrom	WB 47 / 269	17.35
29	9 / 27.1	Patty Henthom & Melanie Dye	232 / 688	0.37
30	9/27.2	Herman & Betty Haught	250 / 484	0.23
31	9 / 26.1	Lazear Chapel Trustees	283 / 523	0.06
32	9/28	Lazear Chapel Methodist	/	2.21
33	9 / 26	Mariyn Ankrom & Brady Ankrom	WB 47 / 269	18.94
34	9/24	Bob S. & Sue Marie Adams	204 / 599	7.148
35	9 / 15.1	Thomas Skinner & Marilyn Sure Skinner	226 / 477	0.713
36	9 / 15.2	Par Mar Realty Company	534 / 407	3.091
37	9 / 15.3	Fred Midcap	351 / 7	44.00
38	9/22	Shawn Allen & Cathy A. Potts	291 / 217	0.98
39	10 / 28	John E. Roberts	WB 30 / 142	38.99
40	9 / 65	Julia A. & Nile A. Archer	340 / 225	3.00
41	9 / 16	Sara A. Midcap	181 / 278	96.78
42	9 / 15	Heartwood Forestland Fund II LP	326 / 547	225.64
43	9/2	William & Margaret A. Garrett	284 / 41	22.19
44	9/3.1	Big Run Properties, LLC	569 / 286	2.34
45	9/64	Carol Morgan, et al	262 / 459	0.97
46	9/5.1	John W. Starkey	255 / 571	2.55
47	9/5.2	Ronald Lee Cooper	329 / 471	7.49
48	9/5.3	James M. & Sherry L. Starkey	287 / 381	7.58
49	9/5	Leslie E. Steven, Heirs & Meryl L. Stevens	287 / 381	0.18
50	9/17.1	Julia A. Archer	571 / 671	3.678
51	9 / 17.2	Julia A. Archer	571 / 671	1.904
52	9 / 17.3	Friendly Public Service District	363 / 485	0.23
53	9/17	Daniel J. & Rebecca B. Stillwagoner	562 / 565	47.30
54 EE	9 / 19	John E. Roberts	185 / 263	22.67
55	9/10	James K. & Kristy Fletcher Wade	320 / 231	1.061
56	9/10.1	Kevin Fletcher Calvary Apostolic Church Trustees	320 / 235	0.443
57	9/9	James R. & Beverly A. Underwood	400 / 573	2.00
58	9/13.3	A Company of the Comp	335 / 266	0.778
59	9/11	James R. & Beverly A. Underwood	359 / 492	0.35
60	9/8	Gary A. & Penny K. Midcap	324 / 542	1.42
61	9/7	Larry & Kim Henthorn	330 / 536	2.52
	9 / 13.1	Timothy L. Connie J. McHenry	242 / 681	10.83
62		Donald D. Henthorn & Deitra Kay Moore	309 / 196	2.09
63	9/7.1	Daniel D Haribara O Daline Man Mana	000 / 500	0.00
63 64	9/7.2	Donald D. Henthorn & Deitra Kay Moore	330 / 536	8.00
63		Donald D. Henthorn & Deltra Kay Moore Donald D. & Deitra Kay Henthorn Larry G. & Neoma A. Spratt	330 / 536 330 / 536 310 / 705	8.00 0.21 24.64

FILE NO: 283-54-E-17  DRAWING NO: Maggie 3H 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: <u>June 19</u> 2020  OPERATOR'S WELL NO. <u>Maggie Unit 3H</u> API WELL NO  47 - <u>095</u> - <u>02639</u> STATE COUNTY PERMIT				
WELL TYPE: □ OIL   ☑ GAS □ LIQUID INJECTION □ WASTE DISPOSAL  (IF GAS) PRODUCTION : □ STORAGE □ DEEP ☑ SHALLOW						
LOCATION: ELEVATION: As-Drilled 1061' WATERSHED: Outlet Middle Island Creek QUADRANGLE: Paden City DISTRICT: Ellsworth COUNTY: Tyler 62.84375; 45; SURFACE OWNER: Barbara Kay Turner John E. Roberts; Sara Blanche Lilly (2): ACREAGE: 26.18 85.71; 154.17; ROYALTY OWNER: Linda L. Newbrough; Jack Russell Folger, et ux; Daria S. Colombo; Dianne T. Carpenter LEASE NO: ACREAGE: 22.67; 47.75 PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION DEFERORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) As-Drilled DPLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 17,142' MD						
WELL OPERATOR: Antero Resources Corporation DESIGNATED AGENT: Dianna Stamper - CT Corporation System						
ADDRESS: 1615 Wynkoop Street	ADDRESS: 5400 D Big Ty					