

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

API 47 - 085 - 10416 County Wetzel District Union
 Quad TH:Pullman BH: Oxford Pad Name Weekly West Field/Pool Name -----
 Farm name David W & David Martin Weekley Well Number Gander Unit 1H
 Operator (as registered with the OOG) Antero Resources Corporation
 Address 1615 Wynkoop Street City Denver State CO Zip 80202

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey
 Top hole Northing 4335616m Easting 510780m
 Landing Point of Curve Northing 4335914.09m Easting 511099.50m
 Bottom Hole Northing 4331618m Easting 511287m

Elevation (ft) 1125' 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 11/10/2021 Date drilling commenced 1/21/2022 Date drilling ceased 2/2/2022
 Date completion activities began 4/3/2022 Date completion activities ceased 6/13/2022
 Verbal plugging (Y/N) N/A Date permission granted N/A Granted by N/A

Please note: Operator is required to submit a plugging application within 5 days of verbal permission to plug

Freshwater depth(s) ft 401', 478' Open mine(s) (Y/N) depths No
 Salt water depth(s) ft 1511', 1926' Void(s) encountered (Y/N) depths No
 Coal depth(s) ft 1495', 742' Cavern(s) encountered (Y/N) depths No
 Is coal being mined in area (Y/N) No

Reviewed by: _____

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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	78#, X60	N/A	Y
Surface	17-1/2"	13-3/8"	554'	New	54.5#, J-55	N/A	Y
Coal							
Intermediate 1	12-1/4"	9-5/8"	2767'	New	36#, J-55	N/A	Y
Intermediate 2							
Intermediate 3							
Production	8-3/4"/8-1/2"	5-1/2"	21161'	New	23#, P-100	N/A	Y
Tubing		2-3/8"	7546'		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	209 sx	15.6	1.18	44	0'	8 Hrs.
Surface	Class A	685 sx	15.8	1.16	142	0'	8 Hrs.
Coal							
Intermediate 1	Class A	920 sx	15.8	1.16	200	0'	8 Hrs.
Intermediate 2							
Intermediate 3							
Production	Class H	875 sx (Lead) 4220 sx (Tail)	15.2 (Lead), 15.2(Tail)	1.19 (Lead), 1.18 (Tail)	734	~500' into Intermediate Casing	8 Hrs.
Tubing							

Drillers TD (ft) 21206' MD, 6552' TVD (BHL), 6581' (Deepest Point Drilled) Loggers TD (ft) 21206' MD
 Deepest formation penetrated Marcellus Plug back to (ft) N/A
 Plug back procedure N/A

Kick off depth (ft) 6302'

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 shoes, 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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PRODUCING FORMATION(S)	DEPTHS		
Marcellus	6530' (TOP)	TVD	7609' (TOP) MD

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 12196 mcfpd Oil 166 bpd NGL --- bpd Water 307 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.

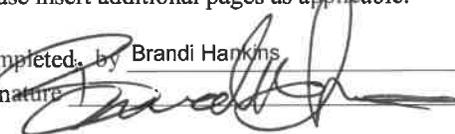
Drilling Contractor H & P Drilling
Address 912 N Eagle Valley Rd City Howard State PA Zip 16841

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 304-842-9759
Signature  Title Completions Technician Date 2/2/23

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

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Stage No.	Perforation Date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formations
1	04/03/2022	21090	21048	36	Marcellus
2	04/04/2022	21010.19949	20843.197	36	Marcellus
3	04/05/2022	20807.39646	20640.3939	36	Marcellus
4	04/05/2022	20604.59343	20437.5909	36	Marcellus
5	04/06/2022	20401.7904	20234.7879	36	Marcellus
6	04/06/2022	20198.98737	20031.9848	36	Marcellus
7	04/07/2022	19996.18434	19829.1818	36	Marcellus
8	04/07/2022	19793.38131	19626.3788	36	Marcellus
9	04/08/2022	19590.57828	19423.5758	36	Marcellus
10	04/08/2022	19387.77525	19220.7727	36	Marcellus
11	04/08/2022	19184.97222	19017.9697	36	Marcellus
12	04/09/2022	18982.16919	18815.1667	36	Marcellus
13	04/09/2022	18779.36616	18612.3636	36	Marcellus
14	04/10/2022	18576.56313	18409.5606	36	Marcellus
15	04/10/2022	18373.7601	18206.7576	36	Marcellus
16	04/10/2022	18170.95707	18003.9545	36	Marcellus
17	04/11/2022	17968.15404	17801.1515	36	Marcellus
18	04/11/2022	17765.35101	17598.3485	36	Marcellus
19	04/12/2022	17562.54798	17395.5455	36	Marcellus
20	04/12/2022	17359.74495	17192.7424	36	Marcellus
21	04/12/2022	17156.94192	16989.9394	36	Marcellus
22	04/12/2022	16954.13889	16787.1364	36	Marcellus
23	04/13/2022	16751.33586	16584.3333	36	Marcellus
24	04/13/2022	16548.53283	16381.5303	36	Marcellus
25	04/13/2022	16345.7298	16178.7273	36	Marcellus
26	04/14/2022	16142.92677	15975.9242	36	Marcellus
27	04/14/2022	15940.12374	15773.1212	36	Marcellus
28	04/14/2022	15737.32071	15570.3182	36	Marcellus
29	04/15/2022	15534.51768	15367.5152	36	Marcellus
30	04/15/2022	15331.71465	15164.7121	36	Marcellus
31	04/15/2022	15128.91162	14961.9091	36	Marcellus
32	04/15/2022	14926.10859	14759.1061	36	Marcellus
33	04/16/2022	14723.30556	14556.303	36	Marcellus
34	04/16/2022	14520.50253	14353.5	36	Marcellus
35	04/17/2022	14317.69949	14150.697	36	Marcellus
36	04/17/2022	14114.89646	13947.8939	36	Marcellus
37	04/17/2022	13912.09343	13745.0909	36	Marcellus
38	04/18/2022	13709.2904	13542.2879	36	Marcellus
39	04/18/2022	13506.48737	13339.4848	36	Marcellus
40	04/18/2022	13303.68434	13136.6818	36	Marcellus
41	04/19/2022	13100.88131	12933.8788	36	Marcellus
42	04/19/2022	12898.07828	12731.0758	36	Marcellus
43	04/19/2022	12695.27525	12528.2727	36	Marcellus
44	04/20/2022	12492.47222	12325.4697	36	Marcellus
45	04/20/2022	12289.66919	12122.6667	36	Marcellus
46	04/20/2022	12086.86616	11919.8636	36	Marcellus
47	04/20/2022	11884.06313	11717.0606	36	Marcellus
48	04/21/2022	11681.2601	11514.2576	36	Marcellus
49	04/21/2022	11478.45707	11311.4545	36	Marcellus
50	04/21/2022	11275.65404	11108.6515	36	Marcellus
51	04/22/2022	11072.85101	10905.8485	36	Marcellus
52	04/22/2022	10870.04798	10703.0455	36	Marcellus
53	04/22/2022	10667.24495	10500.2424	36	Marcellus
54	04/23/2022	10464.44192	10297.4394	36	Marcellus
55	04/23/2022	10261.63889	10094.6364	36	Marcellus
56	04/23/2022	10058.83586	9891.83333	36	Marcellus
57	04/24/2022	9856.032828	9689.0303	36	Marcellus
58	04/24/2022	9653.229798	9486.22727	36	Marcellus
59	04/24/2022	9450.426768	9283.42424	36	Marcellus
60	04/25/2022	9247.623737	9080.62121	36	Marcellus
61	04/25/2022	9044.820707	8877.81818	36	Marcellus
62	04/25/2022	8842.017677	8675.01515	36	Marcellus
63	04/25/2022	8639.214646	8472.21212	36	Marcellus
64	04/25/2022	8436.411616	8269.40909	36	Marcellus
65	04/26/2022	8233.608586	8066.60606	36	Marcellus
66	04/26/2022	8030.805556	7863.80303	36	Marcellus
67	04/27/2022	7828.002525	7661	36	Marcellus

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API 47-085-10416 Farm Name David W & David Martin Weekley Well Number Gander Unit 1H								
EXHIBIT 2								
Stage No.	Stimulations Date	Avg Pump Rate	Avg Treatment Pressure (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Amount of Proppant (lbs)	Amount of Water (bbls)	Amount of Nitrogen/ other (units)
1	04/03/2022	73.75	8145	8129	3494	163780	252528	N/A
2	04/04/2022	81.77	8249	6503	3250	406380	321396	N/A
3	04/05/2022	79.5	8303	6726	3422	414730	326837	N/A
4	04/05/2022	85.94	8544	8143	2894	409623	318674	N/A
5	04/06/2022	87.19	8373	6358	3739	411738	322018	N/A
6	04/06/2022	73.08	8448	9156	2658	412222	319100	N/A
7	04/07/2022	70.35	8221	6866	2876	413940	440879	N/A
8	04/07/2022	73.58	8292	6336	3041	410712	328145	N/A
9	04/08/2022	75.61	8420	6721	3259	410064	312719	N/A
10	04/08/2022	76.66	8505	6980	3426	411814	319986	N/A
11	04/08/2022	76.69	8282	6756	2852	406560	316831	N/A
12	04/09/2022	85.99	8457	6673	3422	412251	318331	N/A
13	04/09/2022	89.47	8568	6485	3965	406966	328338	N/A
14	04/10/2022	68.66	7983	7483	3561	408413	419514	N/A
15	04/10/2022	87.39	8404	5045	3509	410028	338023	N/A
16	04/10/2022	75.6	8048	8036	2876	414557	304160	N/A
17	04/11/2022	78.44	8030	7264	3286	418124	341775	N/A
18	04/11/2022	83.38	8322	6897	3767	403696	324561	N/A
19	04/12/2022	86.33	8297	7155	3484	412521	306914	N/A
20	04/12/2022	80.16	8507	7656	3116	411282	320359	N/A
21	04/12/2022	85.86	8482	7427	3369	409767	318977	N/A
22	04/12/2022	82.77	8428.34	8209.91	3165.88	411976	301694	N/A
23	04/13/2022	87.09	8560	6250	3426	410291	319030	N/A
24	04/13/2022	86.85	8653	7849	3122	411999	300030	N/A
25	04/13/2022	86.01	8318	7924	2909	420181	303541	N/A
26	04/14/2022	89.16	8361	7865	2925	409700	299634	N/A
27	04/14/2022	96.36	8597	7064	3034	403382	298151	N/A
28	04/14/2022	89.84	8201	8021	2980	413440	299755	N/A
29	04/15/2022	89.94	8409	7916	2899	410878	298932	N/A
30	04/15/2022	93.73	8513	6746	3245	406949	301113	N/A
31	04/15/2022	88.61	8323	6576	3580	412614	299246	N/A
32	04/15/2022	90.36	8218	5969	3099	410642	297589	N/A
33	04/16/2022	98.47	8495	6659	3268	405677	301460	N/A
34	04/16/2022	96.53	8295	7908	3110	409508	300433	N/A
35	04/17/2022	96.16	8435	7953	3196	410680	300654	N/A
36	04/17/2022	97.41	8530	6874	3199	410260	299199	N/A
37	04/17/2022	98.39	8135	7955	2996	407760	297289	N/A
38	04/18/2022	97.34	8125	7999	3031	407840	299613	N/A
39	04/18/2022	98.79	8119	7474	3094	405200	300681	N/A
40	04/18/2022	97.49	8086	7772	3136	407914	304724	N/A
41	04/19/2022	95.29	7628	7870	3327	407330	345727	N/A
42	04/19/2022	95.33	8224	7357	2996	409270	308201	N/A
43	04/19/2022	95.02	8054	7868	2847	410615	330961	N/A
44	04/20/2022	97.8	7806	7728	3082	409186	309431	N/A
45	04/20/2022	95.12	8085	7097	3202	409327	295543	N/A
46	04/20/2022	94.37	7910	7375	3220	409000	301517	N/A
47	04/20/2022	90.64	7896	7870	2765	402300	336040	N/A
48	04/21/2022	97.66	7783	7816	2921	411720	292965	N/A
49	04/21/2022	96.02	7412	7108	2947	407120	296416	N/A
50	04/21/2022	95.83	7526	6693	3157	410838	292003	N/A
51	04/22/2022	97.91	7786	7819	2930	406826	295103	N/A
52	04/22/2022	98.05	7790	6601	3164	416380	297790	N/A
53	04/22/2022	97.14	7719	8027	3092.79	410840	292036	N/A
54	04/23/2022	96.89	7211	7800	2803	410580	303811	N/A
55	04/23/2022	98.54	7193	6851	3091	410740	301303	N/A
56	04/23/2022	97.25	7487	7799	3423	412009	297695	N/A
57	04/24/2022	98.49	7327	8305	3135	397880	293840	N/A
58	04/24/2022	98.32	7556	5924	2688	413560	300959	N/A
59	04/24/2022	96.42	7281	7486	2658	403540	293542	N/A
60	04/25/2022	98.99	7428	8129	2909	405500	311606	N/A
61	04/25/2022	98.36	7228	8274	2798	407900	291641	N/A
62	04/25/2022	98.02	7329	6894	2795	413440	297688	N/A
63	04/25/2022	98.31	7151	6386	3057	411420	293316	N/A
64	04/25/2022	99.07	6922	8169	3064	412420	298340	N/A
65	04/26/2022	98.02	7125	6428	2896	407100	299803	N/A
66	04/26/2022	98.89	6899	6699	3135	404900	296257	N/A
67	04/27/2022	98.82	6812	6737	3196	410700	318884	N/A
	AVG=	90	8,004	7,297	3,133	27,209,500	20,815,251	TOTAL

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API 47-085-10416 Farm Name <u>Barbara Kay Turner</u> Well Number <u>Gander Unit 1H</u>				
EXHIBIT 3				
LITHOLOGY/ FORMATION	TOP DEPTH (TVD)	BOTTOM DEPTH (TVD)	TOP DEPTH (MD)	BOTTOM DEPTH (MD)
	From Surface	From Surface	From Surface	From Surface
Sandy Siltstone, tr LS	100	280	100	280
Sandy Siltstone, occ LS	280	430	280	430
Shaly Siltstone, tr SS	430	490	430	490
Shaly Siltstone, Coal	490	520	490	520
Shaly Siltstone, occ SS, tr Coal	520	610	520	610
Shaly Siltstone	610	730	610	730
Silty Shale, tr ls, coal	730	820	730	820
Sandy Shale, tr coal	820	970	820	970
Shaly Sandstone, tr coal	970	1,300	970	1,300
Sandy Shale, occ Siltstone	1,300	1,540	1,300	1,540
Silty Shale, occ sandstone	1,540	1,930	1,540	1,930
Shale, occ sandstone	1,930	2,050	1,930	2,050
Sandy Siltstone, occ shale	2,050	2,007	2,050	2,109
Big Lime	2,037	2,557	2,109	2,718
Fifty Foot Sandstone	2,557	2,751	2,688	2,952
Gordon	2,751	3,038	2,922	3,302
Fifth Sandstone	3,038	3,124	3,272	3,405
Bayard	3,124	3,868	3,375	4,269
Speechley	3,868	4,041	4,239	4,466
Balltown	4,041	4,594	4,436	5,100
Bradford	4,594	4,985	5,070	5,556
Benson	4,985	5,232	5,526	5,848
Alexander	5,232	6,397	5,818	7,210
Sycamore	6,197	6,367	6,948	7,180
Middlesex	6,367	6,475	7,180	7,388
Burkett	6,475	6,511	7,388	7,502
Tully	6,511	6,530	7,502	7,609
Marcellus	6,530	NA	7,609	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:	4/3/2022
Job End Date:	4/27/2022
State:	West Virginia
County:	Ritchie
API Number:	47-085-10416-00-00
Operator Name:	Antero Resources Corporation
Well Name and Number:	GANDER UNIT 1H
Latitude:	39.16961000
Longitude:	-80.87539000
Datum:	NAD27
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	6,581
Total Base Water Volume (gal):	22,350,567
Total Base Non Water Volume:	0



Hydraulic Fracturing Fluid Composition:

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments
Produced Water	Halliburton	Base Fluid					
			Water	7732-18-5	100.00000	87.28980	Density = 8.50
Ingredients	Listed Above	Listed Above					
			Water	7732-18-5	100.00000	0.18206	

FDP-S1443-21	Halliburton	Corrosion Inhibitor					
				Listed Below			
OPTIFLO-II DELAYED RELEASE BREAKER	Halliburton	Breaker					
				Listed Below			
LEGEND(TM) LD-7750W	MultiChem	Scale Control					
				Listed Below			
HYDROCHLORIC ACID, 22 BAUME	Halliburton	Solvent					
				Listed Below			
WG-36 GELLING AGENT	Halliburton	Gelling Agent					
				Listed Below			
Sand-Premium White-30/70	Halliburton	Proppant					
				Listed Below			
Sand-Common White-100 Mesh, SSA-2	Halliburton	Proppant					
				Listed Below			
Sand-Premium White-30/50	Halliburton	Proppant					
				Listed Below			

Exceletrate LX-15	Halliburton	Friction Reducer				
				Listed Below		
HAI-501	Halliburton	Acid Corrosion Inhibitor				
				Listed Below		
MC B-8614A	MultiChem	Biocide				
				Listed Below		
Items above are Trade Names with the exception of Base Water . Items below are the individual ingredients.						
			Crystalline silica, quartz	14808-60-7	100.00000	12.50195
			Hydrochloric acid	7647-01-0	30.00000	0.04068
			Complex Amine Compound	Proprietary	60.00000	0.02891
			Hydrotreated light petroleum distillate	64742-47-8	30.00000	0.01446
			Methanol	67-56-1	100.00000	0.00707
			Guar gum	9000-30-0	100.00000	0.00641
			Glutaraldehyde	111-30-8	30.00000	0.00242
			Sorbitan, mono-9-octadecenoate, (Z)	1338-43-8	5.00000	0.00241
			Surfactant	Proprietary	5.00000	0.00241
			Phosphoric Acid Salt	Proprietary	5.00000	0.00057
			Sodium chloride	7647-14-5	5.00000	0.00057
			Ethoxylated alcohols	Proprietary	30.00000	0.00055
			Alkoxylated polyhydric alcohol	Proprietary	1.00000	0.00048
			Organic chloride compound	Proprietary	1.00000	0.00048
			Alkyl (C12-16) dimethylbenzyl ammonium chloride	68424-85-1	5.00000	0.00040
			Ammonium persulfate	7727-54-0	100.00000	0.00029

			Oxylated phenolic resin	Proprietary	30.00000	0.00009	
			Ethanol	64-17-5	1.00000	0.00008	
			Modified thiourea polymer	Proprietary	30.00000	0.00003	
			Formaldehyde	50-00-0	0.10000	0.00002	
			Mixture of dimer and trimer fatty acids of indefinite composition derived from tall oil	61790-12-3	30.00000	0.00002	
			Aldehyde	Proprietary	5.00000	0.00001	
			Organic salt #1	Proprietary	0.01000	0.00000	
			Nitrated acetate salt	Proprietary	0.01000	0.00000	
			Acrylamide	79-06-1	0.01000	0.00000	
			Sodium hydroxide	1310-73-2	0.01000	0.00000	
			Organic salt #2	Proprietary	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	
			1-Octadecene	112-88-9	1.00000	0.00000	
			1-Hexadecene	629-73-2	1.00000	0.00000	
			Hexadecene	629-73-2	5.00000	0.00000	
			Propargyl alcohol	107-19-7	5.00000	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)

LATITUDE 39°12'30" 109'

LATITUDE 39°10'00"

10,280' TO BOTTOM HOLE

Antero Resources Corporation
Well No. Gander Unit 1H

AS DRILLED DATA:
WELL 1H TOP HOLE INFORMATION:
N: 246,872ft E: 1,610,057ft
LAT: 39°10'10.61" LON: 80°52'31.39"
BOTTOM HOLE INFORMATION:
N: 233,726ft E: 1,611,505ft
LAT: 39°08'00.91" LON: 80°52'10.46"
WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH ZONE. ZONE WAS DERIVED FROM MEASUREMENTS TAKEN WITH TRIMBLE GEOXT SUBMETER MAPPING GRADE GPS UNIT. PLAT ORIENTATION, CORNER, AND WELL REFERENCE TIE LINES ARE BASED ON GRID NORTH.

(NAD) 83 (UTM) ZONE 17 COORDS:
WELL 1H TOP HOLE INFORMATION:
N: 4,335,616m E: 510,780m
BOTTOM HOLE INFORMATION:
N: 4,331,618m E: 511,287m

WELL 1H POINT OF ENTRY INFORMATION:
WV STATE PLANE NAD '27 (NORTH ZONE):
N: 246,637ft E: 1,607,349ft
GEOGRAPHIC (NAD) 27:
LAT: 39°10'07.87" LON: 80°53'05.72"
(NAD) 83 (UTM) ZONE 17 COORDS:
N: 4,335,530m E: 509,956m

Union District - Ritchie County	
14-19	David W. Weekley
20-3	David W. Weekley
20-4	David W. Weekley
20-7	David W. Weekley
20-8	David W. Weekley
20-9	Albin Gesek
20-10	David W. Weekley
20-11.1	Antero Resources Corp.
20-11.4	Bryn Ireland
20-12	Albin Gesek
20-12.1	Albin Gesek
20-13	David Pierce
20-13.1	David Smith
20-17	Christopher Cross
20-18	Richard Pierce
20-19	Charles Adams
20-20	Mark Spiker
20-21	Charles Adams
21-3	Dallas Smith
21-5	James Beak
26-6	Mark Spiker
26-6.1	Earl Fleisher
26-7	Donald Sheets
26-8	Mark Spiker
26-9	Donald Sheets
26-14	Mark Spiker
26-14.1	Mark Spiker
26-15	Mark Spiker
26-16	South Fork Sportmen Assn. Inc.
26-16.1	South Fork Sportmen Assn. Inc.
26-17	South Fork Sportmen Assn. Inc.
26-26	Marvin Briesey
26-27	South Fork Sportmen Assn. Inc.
26-30	South Fork Sportmen Assn. Inc.
27-1	Linda Jennings
27-1.1	Linda Jennings
27-2	Randall Hess
27-3	Steven Lusk
27-3.4	Kent Grotjan
27-3.5	Joshua Friedman
27-3.6	Lillian Martin
27-11	Miles Ball
27-15	Randall Pierce
27-15.1	Randall Pierce
27-16	Clarence Bush
27-20	South Fork Sportmen Assn. Inc.
27-21	Maxson Land LLC
27-22	Clarence Bush
32-1	Stanley Echard
32-1.3	Stanley Echard
32-2	Harold Pierce

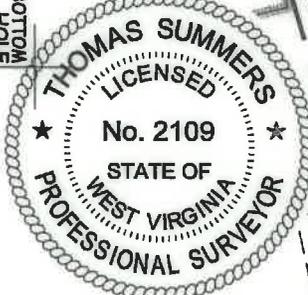
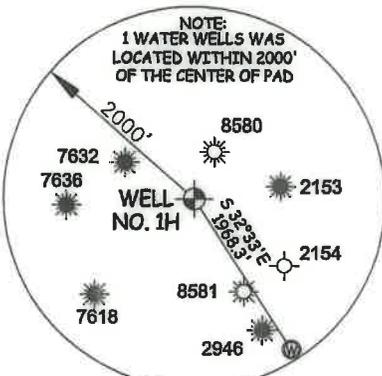
WV NORTH ZONE GRID NORTH

12,049' TO BOTTOM HOLE

14,103'

LONGITUDE 80°50'00"

LONGITUDE 80°52'30"



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 PERSCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.



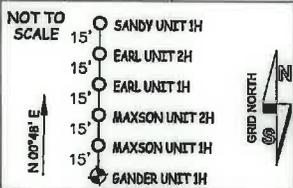
STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
WILLOW LAND SURVEYING PLLC
220 MASONIC AVE. PENNSBORO WEST VIRGINIA 26415

JOB # 15-058WA
DRAWING # GANDER1HAD
SCALE 1" = 2000'
MINIMUM DEGREE OF ACCURACY SUBMETER
PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS

LEGEND
- - - Surface Owner Boundary Lines +/-
- - - Interior Surface Tracts +/-
○ - - - Proposed Well Path
○ - - - As Drilled Well Path
THOMAS SUMMERS P.S. 2109

STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS

DATE 8/19/22
OPERATOR'S WELL# GANDER UNIT #1H



- NO OCCUPIED DWELLINGS OR BUILDINGS TWO THOUSAND FIVE HUNDRED (2,500) SQUARE FEET OR LARGER USED TO HOUSE OR SHELTER DAIRY CATTLE OR POULTRY HUSBANDRY ARE LOCATED WITHIN SIX HUNDRED TWENTY-FIVE (625) FEET OF THE CENTER OF THE WELL PAD.
- TOP HOLE DATA SHOWN HEREON WAS PROVIDED BY ANTERO RESOURCES CORPORATION.
- AS DRILLED DATA WAS PROVIDED BY ANTERO RESOURCES CORPORATION.
- WLS IS NOT CERTIFYING THE DATA AND INFORMATION PROVIDED LISTED IN NOTES 2 AND 3, ONLY THE RELATIONSHIP TO THE DATA AND INFORMATION PROVIDED TO THE LEASE BOUNDARIES.
- WLS IS BY NO MEANS RESPONSIBLE FOR ANY ERRORS OR INACCURACIES WITH THE DATA AND INFORMATION THAT HAS BEEN PROVIDED.

WELL TYPE: OIL ___ GAS **X** LIQUID INJECTION ___ WASTE DISPOSAL ___ 47 - 085 - 10416
 (IF "GAS") PRODUCTION **X** STORAGE ___ DEEP ___ SHALLOW **X** STATE COUNTY PERMIT
 LOCATION: ELEVATION 1,125' - AS BUILT WATERSHED SOUTH FORK HUGHES RIVER
 QUADRANGLE TH - PULLMAN 7.5' BH - OXFORD 7.5' DISTRICT UNION COUNTY RITCHIE
 SURFACE OWNER DAVID W. & DAVID MARTIN WEEKLEY ACREAGE 39.87 ACRES +/-
 OIL & GAS ROYALTY OWNER T.D. DOTSON ET UX; ALMA J. MARTIN ET AL; DAVID W. WEEKLEY ET AL; LEASE ACREAGE 39.87 AC +/-; 39.88 AC +/-; 71 AC +/-;
 JOHN M. DEBRULAR ET UX; LEWIS EARL PIERCE ET UX; BRADFORD SPIKER ET UX; DOROTHY H. COX; 154AC +/-; 82 AC +/-; 52 AC +/-; 36 AC +/-;
 SUSAN V. DRENNAN REVOCABLE TRUST; HARRY H. SHEETS ET AL; ELVA MAXSON ET AL 49.6 AC +/-; 167.3 AC +/-; 240 AC +/-
 PROPOSED WORK: DRILL ___ CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___
 PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL
 (SPECIFY) **AS DRILLED** PLUG & ABANDON CLEAN OUT & REPLUG
 TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,552' TVD 21,206' MD
 WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER - CT CORPORATION SYSTEM
 ADDRESS 1615 WYNKOOP ST. ADDRESS 5400 D BIG TYLER ROAD
 FORM WW-6 DENVER, CO 80202 CHARLESTON, WV 25313

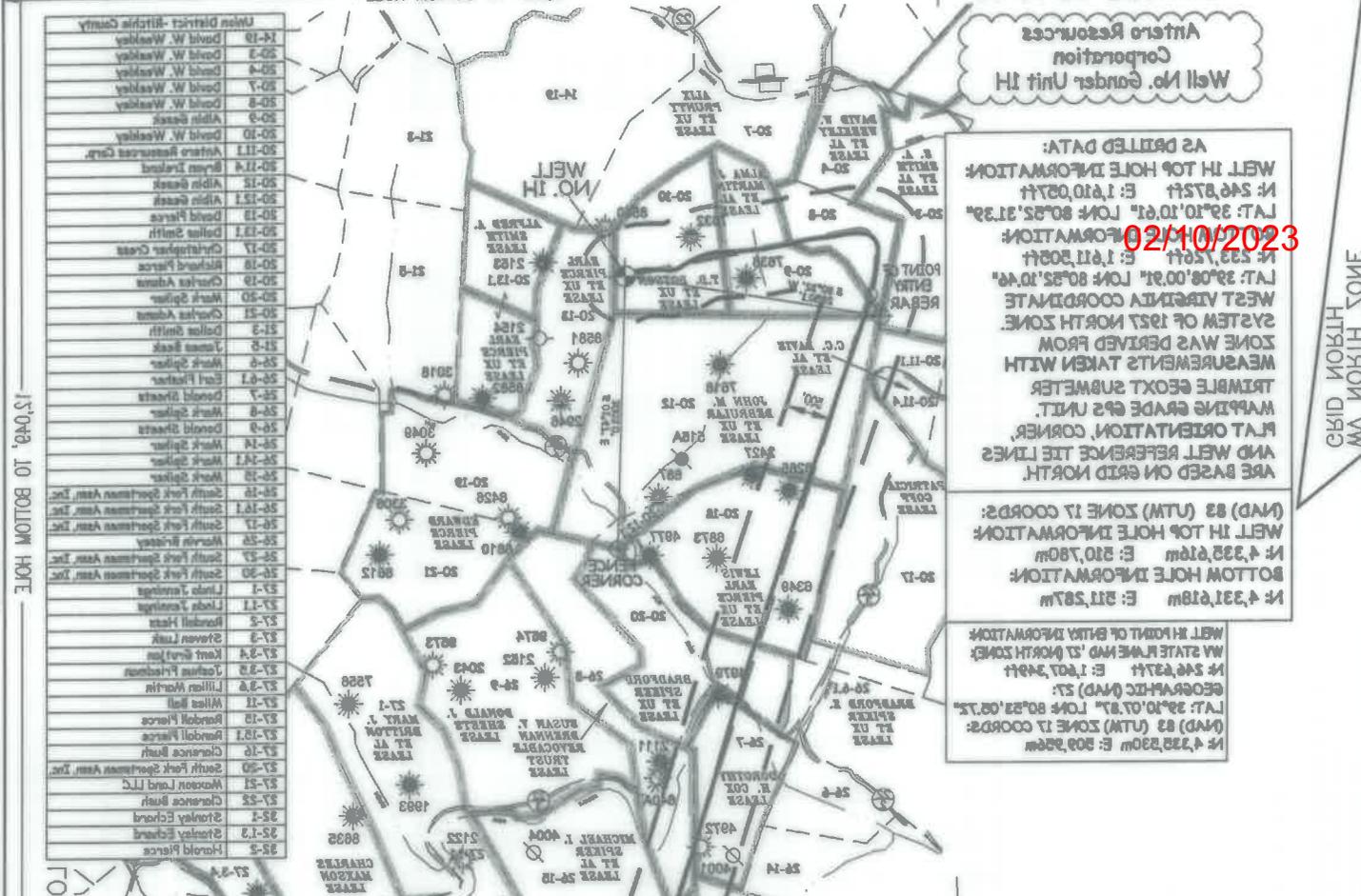
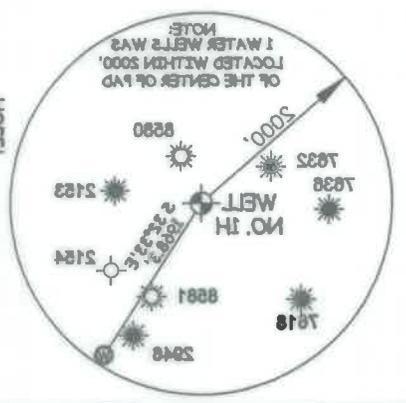
COUNTY NAME

PERMIT

WELL OPERATOR DIANNA STAMPER - GT CORPORATION SYSTEM
 WELL OPERATOR ANTERO RESOURCES CORP
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
 SURFACE OWNER DAVID W & DAVID MARTIN WEEKLEY ACREAGE 38.87 ACRES +/- DISTRICT UNION COUNTY RITCHIE
 QUADRANGLE TH - PULLMAN T.B. BH - OXFORD T.S. LOCATION: ELEVATION 1152 - AS BUILT
 (IF "GAS") PRODUCTION X STORAGE DEEP SHALLOW X WASTE DISPOSAL 41 STATE COUNTY PERMIT 082 - 10418
 WELL TYPE: OIL GAS X LIQUID INJECTION WASTE DISPOSAL 41 STATE COUNTY PERMIT 082 - 10418

OPERATOR'S WELL # GANDER UNIT #1H	DATE 8/15/22	THOMAS SUMMERS P.S. 2108	PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS	STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS
THOMAS SUMMERS P.S. 2108	THOMAS SUMMERS P.S. 2108	THOMAS SUMMERS P.S. 2108	THOMAS SUMMERS P.S. 2108	THOMAS SUMMERS P.S. 2108
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WEST VIRGINIA 26-12
 550 MASONIC AVE. PENNSBORO
 WITLOW LAND SURVEYING P.L.C.
 OFFICE OF OIL AND GAS
 OFFICE OF ENVIRONMENTAL PROTECTION
 STATE OF WEST VIRGINIA, DIVISION
 I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAN IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE RULES ISSUED AND PERFORMED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.



LONGITUDE 80.25.30, LONGITUDE 80.20.00, LONGITUDE 80.15.30, 14'103, 15'043, 10 BOTTOM HOLE, 10'280, TO BOTTOM HOLE, LATITUDE 39.10'00, LATITUDE 39.15'30, 109, GRID NORTH ZONE, ANTERO RESOURCES CORPORATION, Well No. Gander Unit 1H

14-18	David W. Weekley
14-19	David W. Weekley
14-20	David W. Weekley
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14-97	David W. Weekley
14-98	David W. Weekley
14-99	David W. Weekley
14-100	David W. Weekley