

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

API 47-103-03427 County Wetzel District Green  
Quad TH:Pine Grove BH: Center Point Pad Name Dogwood Field/Pool Name -----  
Farm name Dallison Lumber, Inc Well Number Gribben 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 4375232m Easting 523685m  
Landing Point of Curve Northing 4375036.62m Easting 523529.59m  
Bottom Hole Northing 4371880m Easting 524618m

Elevation (ft) 1308' GL Type of Well  New  Existing Type of Report  Interim  Final  
Permit Type  Deviated  Horizontal  Horizontal 6A  Vertical Depth Type  Deep  Shallow  
Type of Operation  Convert  Deepen  Drill  Plug Back  Redrilling  Rework  Stimulate  
Well Type  Brine Disposal  CBM  Gas  Oil  Secondary Recovery  Solution Mining  Storage  Other \_\_\_\_\_  
Type of Completion  Single  Multiple Fluids Produced  Brine  Gas  NGL  Oil  Other \_\_\_\_\_  
Drilled with  Cable  Rotary

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

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Date permit issued 8/23/2021 Date drilling commenced 10/27/2021 Date drilling ceased 12/17/2021  
Date completion activities began 2/6/2022 Date completion activities ceased 4/22/2022  
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 539' Open mine(s) (Y/N) depths No  
Salt water depth(s) ft 2341' Void(s) encountered (Y/N) depths No  
Coal depth(s) ft 815' Cavern(s) encountered (Y/N) depths No  
Is coal being mined in area (Y/N) No

**APPROVED**

Reviewed by: SMY  
03/17/2023

API 47- 103 - 03427 Farm name Dallison Lumber, Inc Well number Gribben 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"	635'	New	54.5#, J-55	N/A	Y
Coal							
Intermediate 1	12-1/4"	9-5/8"	2568'	New	36#, J-55	N/A	Y
Intermediate 2							
Intermediate 3							
Production	8-3/4"/8-1/2"	5-1/2"	18895'	New	20#, P-100	N/A	Y
Tubing		2-3/8"	7385'		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 <sup>3</sup> /sks)	Volume (ft <sup>3</sup> )	Cement Top (MD)	WOC (hrs)
Conductor	Class A	352 sx	15.6	1.18	75	0'	8 Hrs.
Surface	Class A	790 sx	15.8	1.20	163	0'	8 Hrs.
Coal							
Intermediate 1	Class A	1010 sx	15.8	1.16	208	0'	8 Hrs.
Intermediate 2							
Intermediate 3							
Production	Class H	792 sx (Lead) 3625 sx (Tail)	13.5 (Lead), 15.2(Tail)	1.4 (Lead), 1.18 (Tail)	640	~500' into Intermediate Casing	8 Hrs.
Tubing							

Drillers TD (ft) 18945' MD, 7206' TVD (BHL), 4206' (Deepest Point Drilled) Loggers TD (ft) 18945' MD

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

Plug back procedure N/A

Kick off depth (ft) 6321'

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

Well cored  Yes  No Conventional Sidewall Were cuttings collected  Yes  No

DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING \_\_\_\_\_

Conductor - 0

Surface - 1 above guide shoe, 1 above insert float, 1 every 4th joint to surface

Intermediate - 1 above float joint, 1 above float collar, 1 every 4th joint to surface

Production - 1 above float joint, 1 below float collar, 1 every 3rd joint to top of cement

WAS WELL COMPLETED AS SHOT HOLE  Yes  No DETAILS \_\_\_\_\_

WAS WELL COMPLETED OPEN HOLE?  Yes  No DETAILS \_\_\_\_\_

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

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5/14/23

API 47- 103 - 03427 Farm name Dallison Lumber, Inc Well number Gribben Unit 2H

<u>PRODUCING FORMATION(S)</u>	<u>DEPTHS</u>	
<u>Marcellus</u>	<u>7105' (TOP)</u> TVD	<u>7438' (TOP)</u> 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 8195 mcfpd Oil 219 bpd NGL --- bpd Water 2128 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 <sub>2</sub> 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 [Signature] Title Completions Technician Date 2/2/23

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

*Smc*  
*2/16/23*  
**03/17/2023**

API 47- 103 - 03427 Farm name Dallison Lumber, Inc Well number Gribben Unit 2H

PERFORATION RECORD

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

Please insert additional pages as applicable.

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STIMULATION INFORMATION PER STAGE

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Complete a separate record for each stimulation stage.

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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)
<b>*PLEASE SEE ATTACHED EXHIBIT 2</b>								

Please insert additional pages as applicable.

03/17/2023  
SMY  
2/14/23

API 47-103-03427 Farm Name Dallison Lumber Inc Well Number Gribben Unit 2H

Stage No.	Perforation Date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formations
1	02/06/2022	18829	18789	32	Marcellus
2	02/07/2022	18748.3869	18582.3214	32	Marcellus
3	02/07/2022	18546.70833	18380.6429	32	Marcellus
4	02/07/2022	18345.02976	18178.9643	32	Marcellus
5	02/08/2022	18143.35119	17977.2857	32	Marcellus
6	02/08/2022	17941.67262	17775.6071	32	Marcellus
7	02/08/2022	17739.99405	17573.9286	32	Marcellus
8	02/08/2022	17538.31548	17372.25	32	Marcellus
9	02/09/2022	17336.6369	17170.5714	32	Marcellus
10	02/09/2022	17134.95833	16968.8929	32	Marcellus
11	02/09/2022	16933.27976	16767.2143	32	Marcellus
12	02/10/2022	16731.60119	16565.5357	32	Marcellus
13	02/10/2022	16529.92262	16363.8571	32	Marcellus
14	02/10/2022	16328.24405	16162.1786	32	Marcellus
15	02/10/2022	16126.56548	15960.5	32	Marcellus
16	02/11/2022	15924.8869	15758.8214	32	Marcellus
17	02/11/2022	15723.20833	15557.1429	32	Marcellus
18	02/11/2022	15521.52976	15355.4643	32	Marcellus
19	02/11/2022	15319.85119	15153.7857	32	Marcellus
20	02/11/2022	15118.17262	14952.1071	32	Marcellus
21	02/12/2022	14916.49405	14750.4286	32	Marcellus
22	02/12/2022	14714.81548	14548.75	32	Marcellus
23	02/13/2022	14513.1369	14347.0714	32	Marcellus
24	02/13/2022	14311.45833	14145.3929	32	Marcellus
25	02/14/2022	14109.77976	13943.7143	32	Marcellus
26	02/14/2022	13908.10119	13742.0357	32	Marcellus
27	02/15/2022	13706.42262	13540.3571	32	Marcellus
28	02/15/2022	13504.74405	13338.6786	32	Marcellus
29	02/16/2022	13303.06548	13137	32	Marcellus
30	02/16/2022	13101.3869	12935.3214	32	Marcellus
31	02/17/2022	12899.70833	12733.6429	32	Marcellus
32	02/17/2022	12698.02976	12531.9643	32	Marcellus
33	02/18/2022	12496.35119	12330.2857	32	Marcellus
34	02/18/2022	12294.67262	12128.6071	32	Marcellus
35	02/18/2022	12092.99405	11926.9286	32	Marcellus
36	02/19/2022	11891.31548	11725.25	32	Marcellus
37	02/19/2022	11689.6369	11523.5714	32	Marcellus
38	02/20/2022	11487.95833	11321.8929	32	Marcellus
39	02/20/2022	11286.27976	11120.2143	32	Marcellus
40	02/21/2022	11084.60119	10918.5357	32	Marcellus
41	02/22/2022	10882.92262	10716.8571	32	Marcellus
42	02/22/2022	10681.24405	10515.1786	32	Marcellus
43	02/23/2022	10479.56548	10313.5	32	Marcellus
44	02/23/2022	10277.8869	10111.8214	32	Marcellus
45	02/24/2022	10076.20833	9910.14286	32	Marcellus
46	02/25/2022	9874.529762	9708.46429	32	Marcellus
47	02/26/2022	9672.85119	9506.78571	32	Marcellus
48	02/27/2022	9471.172619	9305.10714	32	Marcellus
49	02/27/2022	9269.494048	9103.42857	32	Marcellus
50	02/27/2022	9067.815476	8901.75	32	Marcellus
51	02/28/2022	8866.136905	8700.07143	32	Marcellus
52	03/01/2022	8664.458333	8498.39286	32	Marcellus
53	03/01/2022	8462.779762	8296.71429	32	Marcellus
54	03/02/2022	8261.10119	8095.03571	32	Marcellus
55	03/02/2022	8059.422619	7893.35714	32	Marcellus
56	03/03/2022	7857.744048	7691.67857	32	Marcellus
57	03/03/2022	7656.065476	7490	32	Marcellus

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*[Handwritten Signature]*  
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EXHIBIT 2

Stage No.	Stimulations Date	Avg Pump Rate	Avg Treatment Pressure (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Amount of Proppant (lbs)	Amount of Water (bbls)	Amount of Nitrogen/ other (units)
1	02/06/2022	71.76	8447	7931	3741	171490	229608	N/A
2	02/07/2022	78.02	8478	5895	4103	410250	313111	N/A
3	02/07/2022	75.59	8355	6529	3716	392240	305427	N/A
4	02/07/2022	83.16	8539	6131	4310	396248	320932	N/A
5	02/08/2022	74.1	8333	6241	3965.58	415570	318261	N/A
6	02/08/2022	80.58	8626	7145	3992	395040	302978	N/A
7	02/08/2022	78.08	8650	8380	3997	409760	309861	N/A
8	02/08/2022	77	8499	6020	4043	407650	299209	N/A
9	02/09/2022	78.43	8555	5818	3874	412850	296895	N/A
10	02/09/2022	80.11	8708	9002	4005	413880	290487	N/A
11	02/09/2022	79.9	8775	8270	3997	403770	292804	N/A
12	02/10/2022	81.03	8878	7887	3968	414780	294404	N/A
13	02/10/2022	81.76	8728	7502	3950	395910	288537	N/A
14	02/10/2022	71.2	8767	8512	3967	411760	380504	N/A
15	02/10/2022	81.34	8725	8045	4295	414440	321692	N/A
16	02/11/2022	70.44	8507	7227	3806	396750	304586	N/A
17	02/11/2022	83.82	8639	8068	4091	396930	289058	N/A
18	02/11/2022	79.67	8366	7934	4026	396100	298583	N/A
19	02/11/2022	85.41	8751	8200	4042	412130	300877	N/A
20	02/11/2022	87.64	8782	7612	4132	406400	295055	N/A
21	02/12/2022	87.67	8477	7967	4078	398060	292963	N/A
22	02/12/2022	86.73	8514	8517	3895	407830	291170	N/A
23	02/13/2022	90.53	8734	6913	4171	409420	291858	N/A
24	02/13/2022	88.65	8594	8020	4016	407800	292694	N/A
25	02/14/2022	85.69	8767	7794	3961	412830	293455	N/A
26	02/14/2022	93.04	8478	6640	4014	414250	297795	N/A
27	02/15/2022	92.65	8583	7783	4254	411450	292126	N/A
28	02/15/2022	90.6	8574	8289	3955	408960	295682	N/A
29	02/16/2022	81.97	8668	7269	4027	417030	290807	N/A
30	02/16/2022	73.99	8569	7680	4002	410525	355009	N/A
31	02/17/2022	95.38	8570	5345	4345	409790	299521	N/A
32	02/17/2022	88.73	8727	9035	4227	409920	300255	N/A
33	02/18/2022	93.52	8856	6252	4054	413100	295859	N/A
34	02/18/2022	89.34	8810	8664	3999	419340	298366	N/A
35	02/18/2022	97.84	8822	6856	3933	396390	288696	N/A
36	02/19/2022	95.61	8724	8124	4146	418638	298996	N/A
37	02/19/2022	97.35	8774	6354	4121	410090	299963	N/A
38	02/20/2022	94.87	8788	8507	4136	397870	287064	N/A
39	02/20/2022	97.92	8821	7060	4184	417500	287085	N/A
40	02/21/2022	97.29	8448	8428	4302	414920	298564	N/A
41	02/22/2022	99.29	9041	6913	4038	412530	285331	N/A
42	02/22/2022	89.66	8291	5769	4030	412010	320135	N/A
43	02/23/2022	95.75	8505	5704	4345	397150	283723	N/A
44	02/23/2022	98.81	8644	6804	3851	419850	295740	N/A
45	02/24/2022	96.75	8384	6401	4770	239860	289545	N/A
46	02/25/2022	99	8497	7123	4315	201690	287529	N/A
47	02/26/2022	83.93	8616	7175	4523	195425	321118	N/A
48	02/27/2022	68.64	7697	6088	4054	205320	428012	N/A
49	02/27/2022	94.99	7578	4739	4424	199100	298893	N/A
50	02/27/2022	94.41	8084	5909	4255	228040	285482	N/A
51	02/28/2022	94.97	7771	5992	4364	201550	301824	N/A
52	03/01/2022	96.66	7919	6537	3533	216210	290465	N/A
53	03/01/2022	89.32	7194	5020	3683	194690	301656	N/A
54	03/02/2022	86.07	7518	6606	3340	200390	297005	N/A
55	03/02/2022	90.14	7165	4424	3493	198100	306041	N/A
56	03/03/2022	85.57	6957	6160	3315	203810	294172	N/A
57	03/03/2022	91.5	6986	6216	3771	197360	299553	N/A
	AVG=	87	8,425	7,078	4,034	20,402,746	17,187,021	TOTAL

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## EXHIBIT 3

LITHOLOGY/ FORMATION	TOP DEPTH (TVD)	BOTTOM DEPTH (TVD)	TOP DEPTH (MD)	BOTTOM DEPTH (MD)
	From Surface	From Surface	From Surface	From Surface
Sandstone, tr shale	100	310	100	310
Shaly Siltstone, tr coal	310	460	310	460
Silty Sandstone, tr shale	460	550	460	550
Siltstone, tr coal	550	670	550	670
Sandstone	670	790	670	790
Siltstone, tr LS	790	910	790	910
Sandy Siltstone	910	1,090	910	1,090
Siltstone, tr LS	1,090	1,270	1,090	1,270
Sandstone, tr LS	1,270	1,390	1,270	1,390
Shaly Sandstone	1,390	1,540	1,390	1,540
Silty Sandstone, tr salt	1,540	1,690	1,540	1,690
Silty Sandstone, tr shale, tr coal	1,690	1,990	1,690	1,990
Sandy Siltstone, tr salt, tr shale	1,990	2,194	1,990	2,238
Big Lime	2,224	2,744	2,208	2,764
Fifty Foot Sandstone	2,744	2,927	2,734	2,953
Gordon	2,927	3,177	2,923	3,209
Fifth Sandstone	3,177	3,218	3,179	3,251
Bayard	3,218	4,142	3,221	4,186
Spechley	4,142	4,290	4,156	4,336
Balltown	4,290	4,766	4,306	4,817
Bradford	4,766	5,309	4,787	5,370
Benson	5,309	5,727	5,340	5,793
Alexander	5,727	6,922	5,763	7,040
Sycamore	6,754	6,892	6,844	7,010
Middlesex	6,892	6,996	7,010	7,165
Burkett	6,996	7,028	7,165	7,225
Tully	7,028	7,105	7,225	7,438
Marcellus	7,105	NA	7,438	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:	2/6/2022
Job End Date:	3/3/2022
State:	West Virginia
County:	Wetzel
API Number:	47-103-03427-00-00
Operator Name:	Antero Resources Corporation
Well Name and Number:	GRIBBEN UNIT 2H
Latitude:	39.52634200
Longitude:	-80.72460000
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	7,205
Total Base Water Volume (gal):	18,205,356
Total Base Non Water Volume:	0

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## Hydraulic Fracturing Fluid Composition:

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments
Produced Water	Halliburton	Base Fluid					
			Water	7732-18-5	100.00000	86.82503	Density = 8.50
Ingredients	Listed Above	Listed Above					
			Water	7732-18-5	100.00000	0.14090	

*Jan 2/11/23*



Sand-Premium White-40/70	Halliburton	Proppant					
				Listed Below			
WG-36 GELLING AGENT	Halliburton	Gelling Agent					
				Listed Below			
FLUID Enviro- Syn HCR-7000- WL	Fluid Energy Group	Acid Replacement					
				Listed Below			
Sand-Common White-100 Mesh, SSA-2	Halliburton	Proppant					
				Listed Below			
OPTIFLO-II DELAYED RELEASE BREAKER	Halliburton	Breaker					
				Listed Below			
MC B-8614A	MultiChem	Biocide					
				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			
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	12.96913	
			Complex Amine Compound	Proprietary	60.00000	0.04186	
			Hydrochloric acid	7647-01-0	30.00000	0.02722	
			Hydrotreated light petroleum distillate	64742-47-8	30.00000	0.02093	
			Guar gum	9000-30-0	100.00000	0.00701	
			Proprietary	Proprietary	20.00000	0.00592	
			Sobitan, mono-9-octadecenoate, (Z)	1338-43-8	5.00000	0.00349	
			Surfactant	Proprietary	5.00000	0.00349	
			Proprietary	Proprietary	10.00000	0.00296	
			Glutaraldehyde	111-30-8	30.00000	0.00249	
			Ethoxylated alcohols	Proprietary	5.00000	0.00071	
			Alkoxyated polyhydric alcohol	Proprietary	1.00000	0.00070	
			Organic chloride compound	Proprietary	1.00000	0.00070	
			Alkyl (C12-16) dimethylbenzyl ammonium chloride	68424-85-1	5.00000	0.00041	
			Ammonium persulfate	7727-54-0	100.00000	0.00031	
			Methanol	67-56-1	100.00000	0.00017	
			Oxylated phenolic resin	Proprietary	30.00000	0.00009	
			Ethanol	64-17-5	1.00000	0.00008	
			Mixture of dimer and trimer fatty acids of indefinite composition derived from tall oil	61790-12-3	30.00000	0.00005	
			Modified thiourea polymer	Proprietary	30.00000	0.00005	
			Propargyl alcohol	107-19-7	5.00000	0.00001	

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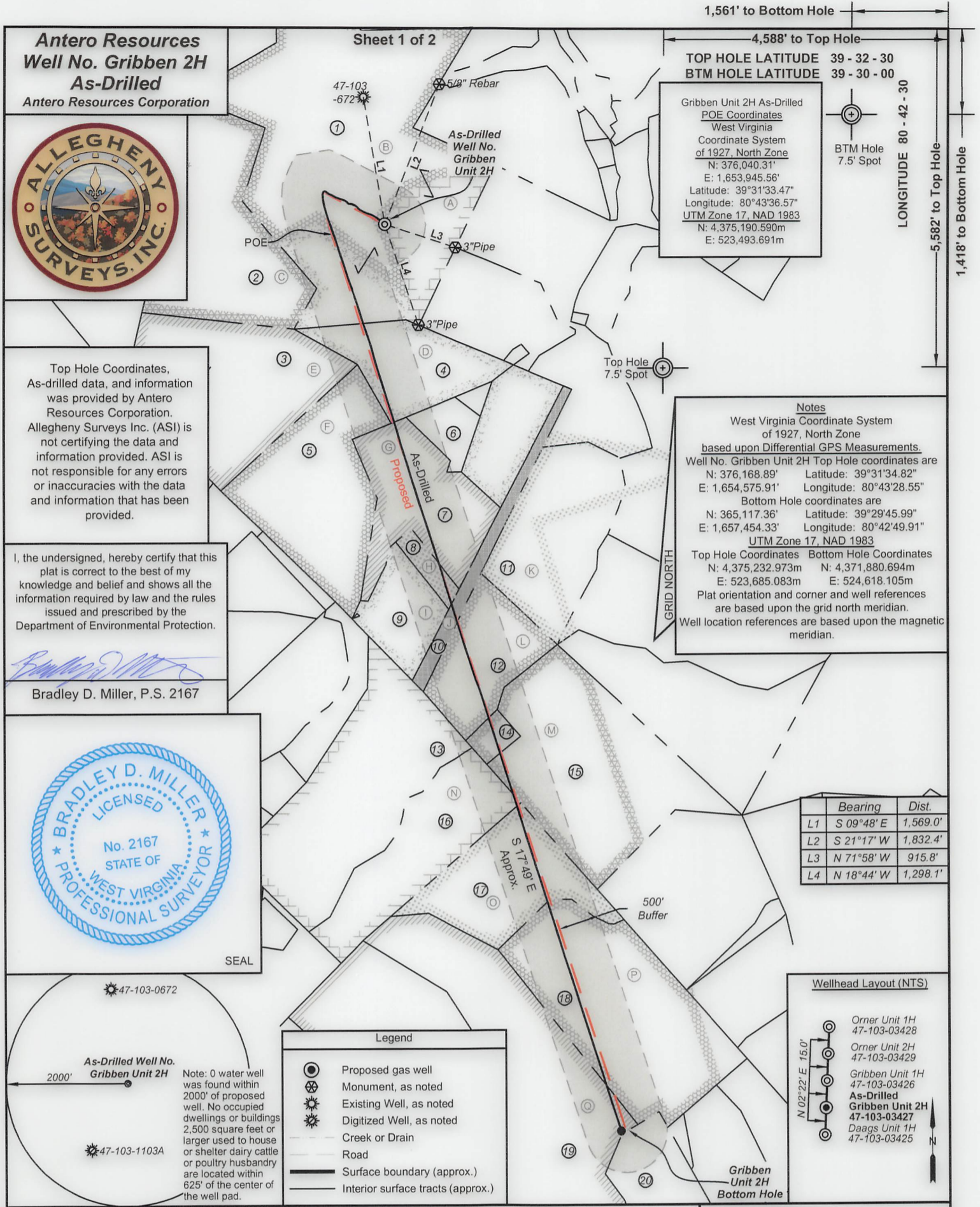
			Hexadecene	629-73-2	5.00000	0.00001	
			Formaldehyde	50-00-0	0.01000	0.00001	
			Acrylamide	79-06-1	0.01000	0.00001	
			Sodium glycolate	2836-32-0	0.01000	0.00001	
			Organic salt #2	Proprietary	0.01000	0.00001	
			Organic salt #1	Proprietary	0.01000	0.00001	
			Nitrated acetate salt	Proprietary	0.01000	0.00001	
			Sodium hydroxide	1310-73-2	0.01000	0.00001	
			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)



1,561' to Bottom Hole

4,588' to Top Hole

TOP HOLE LATITUDE 39 - 32 - 30  
BTM HOLE LATITUDE 39 - 30 - 00

LONGITUDE 80 - 42 - 30

5,582' to Top Hole

1,418' to Bottom Hole

**Antero Resources**  
**Well No. Gribben 2H**  
**As-Drilled**  
Antero Resources Corporation

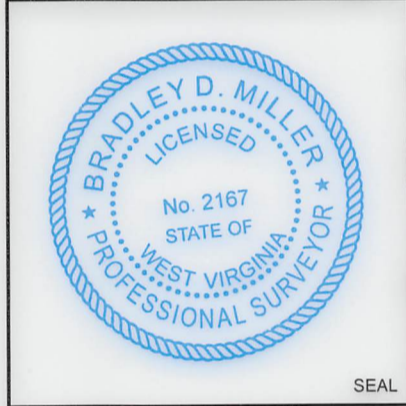


Top Hole Coordinates, As-drilled data, and information was provided by Antero Resources Corporation. Allegheny Surveys Inc. (ASI) is not certifying the data and information provided. ASI is not responsible for any errors or inaccuracies with the data and information that has been provided.

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



Gribben Unit 2H As-Drilled  
POE Coordinates  
West Virginia  
Coordinate System  
of 1927, North Zone  
N: 376,040.31'  
E: 1,653,945.56'  
Latitude: 39°31'33.47"  
Longitude: 80°43'36.57"  
UTM Zone 17, NAD 1983  
N: 4,375,190.590m  
E: 523,493.691m

**Notes**  
West Virginia Coordinate System of 1927, North Zone  
based upon Differential GPS Measurements.  
Well No. Gribben Unit 2H Top Hole coordinates are  
N: 376,168.89' Latitude: 39°31'34.82"  
E: 1,654,575.91' Longitude: 80°43'28.55"  
Bottom Hole coordinates are  
N: 365,117.36' Latitude: 39°29'45.99"  
E: 1,657,454.33' Longitude: 80°42'49.91"  
UTM Zone 17, NAD 1983  
Top Hole Coordinates Bottom Hole Coordinates  
N: 4,375,232.973m N: 4,371,880.694m  
E: 523,685.083m E: 524,618.105m  
Plat orientation and corner and well references are based upon the grid north meridian.  
Well location references are based upon the magnetic meridian.

	Bearing	Dist.
L1	S 09°48' E	1,569.0'
L2	S 21°17' W	1,832.4'
L3	N 71°58' W	915.8'
L4	N 18°44' W	1,298.1'

47-103-0672

As-Drilled Well No. Gribben Unit 2H

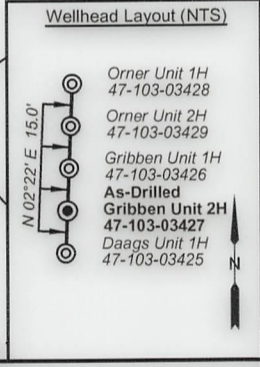
2000'

47-103-1103A

Note: 0 water well was found within 2000' of proposed well. No occupied dwellings or buildings 2,500 square feet or larger used to house or shelter dairy cattle or poultry husbandry are located within 625' of the center of the well pad.

**Legend**

- Proposed gas well
- ⊗ Monument, as noted
- ☀ Existing Well, as noted
- ☀ Digitized Well, as noted
- Creek or Drain
- Road
- Surface boundary (approx.)
- Interior surface tracts (approx.)



FILE NO: 322-34-G-17  
DRAWING NO: Gribben 2H As-Drilled  
SCALE: 1" = 1500'  
MINIMUM DEGREE OF ACCURACY: Submeter  
PROVEN SOURCE OF ELEVATION: CORS, Monroe County, OH

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

DATE: July 12 2022  
OPERATOR'S WELL NO. Gribben Unit 2H  
API WELL NO  
47 - 103 - 03427  
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: 1,308' WATERSHED: Fishing Creek QUADRANGLE: TH: Pine Grove BH: Center Point  
DISTRICT: Green Dallison COUNTY: Wetzel  
SURFACE OWNER: Lumber, Inc. ACREAGE: 60.5  
ROYALTY OWNER: Joan B. Hoge Trust; Waco Oil & Gas Co. Inc.; Franklin D. & Lilly M. Tennant; LEASE NO: ACREAGE: 68.9563;

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: 18,945' 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

03/17/2023



Leases	
A	Joan B. Hoge Trust
B	Waco Oil & Gas Company Inc.
C	Terry Bartrug
D	BRC Appalachian Minerals I, LLC
E	BRC Appalachian Minerals I, LLC
F	William J. Walker
G	Franklin D. & Lilly M. Tennant
H	Julita Ann Myers
I	Lisla Damoulos
J	Antero Minerals, LLC
K	Shiben Estates, Inc.
L	S.A. Smith, et al
M	Joyce E. Henry Revocable Living Trust
N	Christian Engle, et ux
O	Robert Okey Whiting
P	Lucius Hoge, et al
Q	BRC Appalachian Minerals I, LLC

ID	TM/Par	Owner	Bk/Pg	Acres
1	20-13	Dallison Lumber Inc.	440/243	208.00
2	20-12	Terry Bartrug	361/465	92.90
3	20-24	Lloyd Conley	355/553	89.00
4	20-25	Unknown Owner	---/---	42.00
5	20-31	Tony E. & Marion L. Crabtree	365/337	68.95
6	20-35	Louisa Bassett & Mrs. Irvin Bassett	168/157	72.00
7	20-32	Tony E. & Marion L. Crabtree	365/337	43.50
8	20-45	Tony E. & Marion L. Crabtree	365/337	5.50
9	22-7	Lisla W. Damoulos	399/428	29.40
10	20-34	Columbia Gas Transmission Corp.	263/164	12.00
11	20-35	Louisa Bassett & Mrs. Irvin Bassett	168/157	62.00
12	22-8	Robert P. & Carolyn J. Kocher	291/332	42.12
13	22-19	Coastal Forest Resources Co.	444/105	155.30
14	22-16.1	Edith Olive McHenry	364/90	5.92
15	22-16	Dallison Lumber Inc.	353/112	95.10
16	22-20	Lawrence J. Bish, et al	420/736	63.23
17	22-29	Timothy L. Yoho	377/411	50.00
18	22-34.1	Coastal Forest Resources Co.	444/105	129.00
19	22-34	Coastal Forest Resources Co.	444/105	172.91
20	25-2	Coastal Forest Resources Co.	444/105	61.93

FILE NO: 322-34-G-17  
 DRAWING NO: Gribben 2H As-Drilled  
 SCALE: 1" = 1500'  
 MINIMUM DEGREE OF ACCURACY:  
Submeter  
 PROVEN SOURCE OF ELEVATION:  
CORS, Monroe County, OH

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

DATE: July 12 2022  
 OPERATOR'S WELL NO. Gribben Unit 2H  
 API WELL NO  
47 - 103 - 03427  
 STATE COUNTY PERMIT

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

LOCATION: ELEVATION: 1,308' WATERSHED: Fishing Creek QUADRANGLE: TH: Pine Grove  
BH: Center Point  
 DISTRICT: Green Dallison COUNTY: Wetzel **03/17/2023**  
 SURFACE OWNER: Lumber, Inc. Antero Minerals, LLC; Robert Okey Whiting; BRC Appalachian Minerals I, LLC (2); Joyce E. Henry Revocable Living Trust; Lucius Hoge, et al; Julita Ann Myers; S.A. Smith, et al; Christian Engle, et ux; ACREAGE: 60.5 137.9125; 43.5; 244; 5.5; 42.125; 74.90; 200; 122.7; 50; 68.9563;  
 ROYALTY OWNER: Joan B. Hoge Trust; Waco Oil & Gas Co. Inc.; Franklin D. & Lilly M. Tennant; LEASE NO: \_\_\_\_\_ ACREAGE: \_\_\_\_\_

PROPOSED WORK:  DRILL  CONVERT  DRILL DEEPER  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  
 PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) As-Drilled 7,206' TVD  
 PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 18,945' 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