

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

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JAN 19 2024

WV Department of
Environmental Protection

API 47 - 103 - 03556 County Wetzel District Green
Quad Porter Falls Pad Name Ingold Field/Pool Name -----
Farm name Karen & Ernest Clark Well Number Chiselfinger 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 4378238.740m Easting 517815.375m
Landing Point of Curve Northing 4353900.37m Easting 545495.07m
Bottom Hole Northing 438668.074m Easting 516811.989m

Elevation (ft) 1255' 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 3/6/2023 Date drilling commenced 4/1/2023 Date drilling ceased 5/20/2023
Date completion activities began 8/12/2023 Date completion activities ceased 9/30/2023
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 460' Open mine(s) (Y/N) depths No
Salt water depth(s) ft 1983', 1990' Void(s) encountered (Y/N) depths No
Coal depth(s) ft 600', 800' Cavern(s) encountered (Y/N) depths No
Is coal being mined in area (Y/N) No

Reviewed by:

04/26/2024

API 47- 103 - 03556 Farm name Karen & Ernest Clark Well number Chiselfinger Unit 1H

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	28"	20"	125.5'	New	91.59#, J-55	N/A	Y
Surface	17-1/2"	13-3/8"	579'	New	54.5#, J-55	N/A	Y
Coal							
Intermediate 1	12-1/4"	9-5/8"	3522'	New	36#, J-55	N/A	Y
Intermediate 2							
Intermediate 3							
Production	8-1/2"	5-1/2"	20960'	New	23#, P-110	N/A	Y
Tubing		2-3/8"	6316'		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	351 sx	15.6	1.18	75	0'	8 Hrs.
Surface	Class A	450 sx	15.8	1.20	93	0'	8 Hrs.
Coal							
Intermediate 1	Class A	889 sx	15.8	1.17	183	0'	8 Hrs.
Intermediate 2							
Intermediate 3							
Production	Class H	792 sx (Lead) 2653 sx (Tail)	13.5 (Lead), 15.2(Tail)	1.4 (Lead), 1.32 (Tail)	534	~500' into Intermediate Casing	8 Hrs.
Tubing							

Drillers TD (ft) 20960' MD, 6956' TVD (BHL), 6956' (Deepest Point Drilled) Loggers TD (ft) 20960' MD
 Deepest formation penetrated Marcellus Plug back to (ft) N/A
 Plug back procedure N/A

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Kick off depth (ft) 6285'

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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

04/26/2024 

API 47- 103 - 03556 Farm name Karen & Ernest Clark Well number Chiselfinger Unit 1H

<u>PRODUCING FORMATION(S)</u>	<u>DEPTHS</u>		
<u>Marcellus</u>	<u>6888' (TOP)</u>	<u>TVD</u>	<u>7510' (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 1617 psi Bottom Hole --- psi DURATION OF TEST --- hrs

OPEN FLOW Gas 12639 mcfpd Oil 559 bpd NGL --- bpd Water 688 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 2001 Kirby Drive Suite 200 City Houston State TX Zip 77019

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 Carly Marvel Telephone 303-357-7373
 Signature *Carly Marvel* Title Permitting Agent Date 1/4/2024

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

04/26/2024 

API 47-103-03556 Farm Name Karen & Ernest Clark Well Number Chiselfinger Unit 1H

Exhibit 1

Stage No.	Perforation Date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formations
1	8/12/2023	20836	20792	60	Marcellus
2	8/14/2023	20753.58838	20588.5303	60	Marcellus
3	8/14/2023	20553.11869	20388.0606	60	Marcellus
4	8/14/2023	20352.64899	20187.5909	60	Marcellus
5	8/15/2023	20152.17929	19987.1212	60	Marcellus
6	8/15/2023	19951.7096	19786.6515	60	Marcellus
7	8/16/2023	19751.2399	19586.1818	60	Marcellus
8	8/16/2023	19550.7702	19385.7121	60	Marcellus
9	8/16/2023	19350.30051	19185.2424	60	Marcellus
10	8/17/2023	19149.83081	18984.7727	60	Marcellus
11	8/17/2023	18949.36111	18784.303	60	Marcellus
12	8/18/2023	18748.89141	18583.8333	60	Marcellus
13	8/18/2023	18548.42172	18383.3636	60	Marcellus
14	8/19/2023	18347.95202	18182.8939	60	Marcellus
15	8/19/2023	18147.48232	17982.4242	60	Marcellus
16	8/20/2023	17947.01263	17781.9545	60	Marcellus
17	8/20/2023	17746.54293	17581.4848	60	Marcellus
18	8/20/2023	17546.07323	17381.0152	60	Marcellus
19	8/21/2023	17345.60354	17180.5455	60	Marcellus
20	8/21/2023	17145.13384	16980.0758	60	Marcellus
21	8/21/2023	16944.66414	16779.6061	60	Marcellus
22	8/22/2023	16744.19444	16579.1364	60	Marcellus
23	8/22/2023	16543.72475	16378.6667	60	Marcellus
24	8/22/2023	16343.25505	16178.197	60	Marcellus
25	8/23/2023	16142.78535	15977.7273	60	Marcellus
26	8/23/2023	15942.31566	15777.2576	60	Marcellus
27	8/24/2023	15741.84596	15576.7879	60	Marcellus
28	8/24/2023	15541.37626	15376.3182	60	Marcellus
29	8/24/2023	15340.90657	15175.8485	60	Marcellus
30	8/24/2023	15140.43687	14975.3788	60	Marcellus
31	8/25/2023	14939.96717	14774.9091	60	Marcellus
32	8/25/2023	14739.49747	14574.4394	60	Marcellus
33	8/25/2023	14539.02778	14373.9697	60	Marcellus
34	8/26/2023	14338.55808	14173.5	60	Marcellus
35	8/26/2023	14138.08838	13973.0303	60	Marcellus
36	8/26/2023	13937.61869	13772.5606	60	Marcellus
37	8/27/2023	13737.14899	13572.0909	60	Marcellus
38	8/27/2023	13536.67929	13371.6212	60	Marcellus
39	8/27/2023	13336.2096	13171.1515	60	Marcellus
40	8/28/2023	13135.7399	12970.6818	60	Marcellus
41	8/28/2023	12935.2702	12770.2121	60	Marcellus
42	8/28/2023	12734.80051	12569.7424	60	Marcellus
43	8/28/2023	12534.33081	12369.2727	60	Marcellus
44	8/29/2023	12333.86111	12168.803	60	Marcellus
45	8/29/2023	12133.39141	11968.3333	60	Marcellus
46	8/29/2023	11932.92172	11767.8636	60	Marcellus
47	8/30/2023	11732.45202	11567.3939	60	Marcellus
48	8/30/2023	11531.98232	11366.9242	60	Marcellus
49	8/30/2023	11331.51263	11166.4545	60	Marcellus
50	8/31/2023	11131.04293	10965.9848	60	Marcellus
51	8/31/2023	10930.57323	10765.5152	60	Marcellus
52	8/31/2023	10730.10354	10565.0455	60	Marcellus
53	8/31/2023	10529.63384	10364.5758	60	Marcellus
54	9/1/2023	10329.16414	10164.1061	60	Marcellus
55	9/1/2023	10128.69444	9963.63636	60	Marcellus
56	9/1/2023	9928.224747	9763.16667	60	Marcellus
57	9/2/2023	9727.755051	9562.69697	60	Marcellus
58	9/2/2023	9527.285354	9362.22727	60	Marcellus
59	9/2/2023	9326.815657	9161.75758	60	Marcellus
60	9/2/2023	9126.34596	8961.28788	60	Marcellus
61	9/3/2023	8925.876263	8760.81818	60	Marcellus
62	9/3/2023	8725.406566	8560.34848	60	Marcellus
63	9/3/2023	8524.936869	8359.87879	60	Marcellus
64	9/4/2023	8324.467172	8159.40909	60	Marcellus
65	9/4/2023	8123.997475	7958.93939	60	Marcellus
66	9/4/2023	7923.527778	7758.4697	60	Marcellus
67	9/4/2023	7723.058081	7558	60	Marcellus

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04/26/2024 

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	8/12/2023	87.7	10301	6168	3223	167720	4772	N/A
2	8/14/2023	94.6	10140	4649	3956	422960	7629	N/A
3	8/14/2023	87.6	9740	6032	3552	417800	7196	N/A
4	8/14/2023	94.3	10172	5357	3396	420680	7416	N/A
5	8/15/2023	96.2	10405	5745	3984	428060	7301	N/A
6	8/15/2023	92.8	9822	5778	3743	414480	7360	N/A
7	8/16/2023	95.1	10128	5567	3425	419320	7370	N/A
8	8/16/2023	91.9	10199	6246	3469	417960	7370	N/A
9	8/16/2023	96.6	10382	5513	3660	419960	7400	N/A
10	8/17/2023	92.5	10003	5713	3508	415420	7293	N/A
11	8/17/2023	97.8	10089	5801	3324	415320	7399	N/A
12	8/18/2023	97.3	10218	5581	3545	414840	7347	N/A
13	8/18/2023	92.8	9810	6075	3394	418000	7197	N/A
14	8/19/2023	93.5	9908	5543	3663	414260	7247	N/A
15	8/19/2023	93.1	9630	4325	3449	414420	7277	N/A
16	8/20/2023	97.1	9916	5840	3763	420740	7305	N/A
17	8/20/2023	94.2	9636	5781	3492	417460	7154	N/A
18	8/20/2023	97.9	9983	5407	3725	417640	7328	N/A
19	8/21/2023	97.0	9915	5468	3471	415240	7317	N/A
20	8/21/2023	94.0	9818	5702	3758	412940	7061	N/A
21	8/21/2023	97.7	9834	6014	3550	419440	7379	N/A
22	8/22/2023	96.7	9965	5736	3786	413680	7177	N/A
23	8/22/2023	97.0	10001	5255	3781	404080	6900	N/A
24	8/22/2023	97.5	9937	5814	3885	400190	7113	N/A
25	8/23/2023	97.5	9715	5433	3954	415660	7203	N/A
26	8/23/2023	84.4	9909	4958	3352	409800	7003	N/A
27	8/24/2023	95.5	9756	6425	3694	417480	7639	N/A
28	8/24/2023	95.5	9572	6163	3873	416840	7056	N/A
29	8/24/2023	96.6	9329	4119	3906	415800	7032	N/A
30	8/24/2023	97.7	9482	5718	3725	413460	7087	N/A
31	8/25/2023	95.5	9065	5704	3607	413800	7054	N/A
32	8/25/2023	97.9	9067	5575	3568	415760	6980	N/A
33	8/25/2023	96.8	9093	6206	3576	417740	7055	N/A
34	8/26/2023	98.3	8903	6016	3728	413320	6970	N/A
35	8/26/2023	97.5	8682	5735	3639	418200	6989	N/A
36	8/26/2023	98.0	8961	6321	3738	420700	7104	N/A
37	8/27/2023	97.8	8941	5660	3648	412020	6998	N/A
38	8/27/2023	97.6	8861	5557	3636	416320	6978	N/A
39	8/27/2023	97.8	8897	6102	4161	413420	7052	N/A
40	8/28/2023	98.6	8706	5849	3600	417100	6936	N/A
41	8/28/2023	98.0	8364	5494	3468	418060	6927	N/A
42	8/28/2023	98.0	8671	4903	3499	418060	6913	N/A
43	8/28/2023	98.0	8543	6220	3831	414120	6924	N/A
44	8/29/2023	97.8	8896	6498	3708	415940	6911	N/A
45	8/29/2023	98.2	8519	6203	3702	418820	6954	N/A
46	8/29/2023	96.6	8610	5891	3563	391700	6776	N/A
47	8/30/2023	96.4	8934	5889	3528	417380	6909	N/A
48	8/30/2023	97.8	8761	5245	3520	414740	6867	N/A
49	8/30/2023	97.3	8361	5830	3661	416940	6872	N/A
50	8/31/2023	96.0	8478	5608	3560	416600	6860	N/A
51	8/31/2023	98.3	9024	6625	3796	416240	6853	N/A
52	8/31/2023	98.2	8453	5977	3696	420080	6892	N/A
53	8/31/2023	96.7	8616	5765	3618	414020	6817	N/A
54	9/1/2023	95.5	8367	5253	3817	415900	6831	N/A
55	9/1/2023	97.8	8575	6106	3778	416300	6929	N/A
56	9/1/2023	96.6	8146	5725	3630	417680	6978	N/A
57	9/2/2023	96.3	7978	5624	3519	402440	6668	N/A
58	9/2/2023	98.4	8157	7142	3804	417280.0	6882	N/A
59	9/2/2023	97.8	8288	5795	3690	419100.0	6927	N/A
60	9/2/2023	97.1	8316	6002	3658	401580.0	6685	N/A
61	9/3/2023	96.7	8237	5866	3831	419020.0	6786	N/A
62	9/3/2023	97.2	8167	5973	3819	414000.0	6750	N/A
63	9/3/2023	96.8	7883	5988	3919	394300.0	6566	N/A
64	9/4/2023	97.0	7839	5948	3861	418260.0	6887	N/A
65	9/4/2023	95.7	8167	5805	3849	418260.0	6756	N/A
66	9/4/2023	97.6	7939	6684	3983	414980.0	6850	N/A
67	9/4/2023	96.9	7409	5633	3378	396370.0	6625	N/A
	AVERAGE	96	9,143	5,766	3,666	27,548,200	470,038	TOTAL

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EXHIBIT 3

LITHOLOGY/ FORMATION	TOP DEPTH (TVD)		BOTTOM DEPTH (TVD)	
	From Surface	From Surface	From Surface	From Surface
Sandstone	74	474	74	474
Sandy Siltstone	474	724	474	724
Siltstone, occ Sandstone	724	824	724	824
Siltstone, rr Limestone	824	874	824	874
Siltstone, occ Sandstone	874	1,174	874	1,174
Shaly Siltstone, occ LS	1,174	1,274	1,174	1,274
Siltstone, rr SH, rr Coal	1,274	1,474	1,274	1,474
Shaly Siltstone	1,474	1,624	1,474	1,624
Shaly Sandstone	1,624	1,674	1,624	1,674
Silty, Shaly, Sandstone	1,674	1,924	1,674	1,924
Silty Sandstone, Tr Coal	1,924	1,974	1,924	1,974
Silty Sandstone	1,974	2,074	1,974	2,074
Silty Sandstone, calc cmt	2,074	2,140	2,074	2,169
Big Lime	2,166	2,834	2,195	2,906
Fifty Foot Sandstone	2,834	3,021	2,906	3,104
Gordon	3,021	3,268	3,104	3,364
Fifth Sandstone	3,268	3,505	3,364	3,611
Bayard	3,505	3,961	3,611	4,095
Speechley	3,961	4,164	4,095	4,310
Balltown	4,164	4,590	4,310	4,750
Bradford	4,590	5,178	4,750	5,361
Benson	5,178	5,626	5,361	5,832
Alexander	5,626	6,721	5,832	7,115
Sycamore	6,581	6,695	6,924	7,089
Middlesex	6,695	6,793	7,089	7,256
Burkett	6,793	6,816	7,256	7,302
Tully	6,816	6,888	7,302	7,510
Marcellus	6,888	NA	7,510	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:	08/12/2023
Job End Date:	09/04/2023
State:	West Virginia
County:	Wetzel
API Number:	47-103-03556-00-00
Operator Name:	Antero Resources Corporation
Well Name and Number:	CHISELFINGER UNIT 1H
Latitude:	39.55365
Longitude:	-80.79264
Datum:	WGS84
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	6954
Total Base Water Volume (gal)*:	20642348
Total Base Non Water Volume:	0



Water Source	Percent
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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
FDP-S1464-22	Halliburton	Friction Reducer					
HAI-501	Halliburton	Acid Corrosion Inhibitor					
HYDROCHLORIC ACID, 22 BAUME	Halliburton	Solvent					
Ingredients	Listed Above	Listed Above					
MC B-8614A	MultiChem	Biocide					
OPTIFLO-II DELAYED RELEASE BREAKER	Halliburton	Breaker					
Produced Water	Halliburton	Base Fluid					
Sand-Common White-100 Mesh, SSA-2	Halliburton	Proppant					
WG-36 GELLING AGENT	Halliburton	Gelling Agent					

04/26/2024

A handwritten signature in blue ink, appearing to be "R", is located at the bottom right of the page.

Items above are Trade Names. Items below are the individual ingredients.

			Water	7732-18-5	100.00000	86.04103	Density = 8.34
			Crystalline silica, quartz	14808-60-7	100.00000	13.76810	None
			Water	7732-18-5	100.00000	0.16704	None
			Hydrochloric acid	7647-01-0	30.00000	0.03898	None
			Complex amine compound	Proprietary	60.00000	0.02864	None
			Hydrotreated distillate	Proprietary	30.00000	0.01432	None
			Guar gum	9000-30-0	100.00000	0.00441	None
			Glutaraldehyde	111-30-8	30.00000	0.00254	None
			Ammonium chloride	12125-02-9	5.00000	0.00239	None
			Ethoxylated alcohol	Proprietary	5.00000	0.00239	None
			Fatty nitrogen derived amides	Proprietary	5.00000	0.00239	None
			Sorbitan, mono-9-octadecenoate, (Z)	1338-43-8	1.00000	0.00048	None
			Sorbitan monooleate polyoxyethylene derivative	9005-65-6	1.00000	0.00048	None
			Alkyl (C12-16) dimethylbenzyl ammonium chloride	68424-85-1	5.00000	0.00042	None
			Methanol	67-56-1	100.00000	0.00024	None
			Ammonium persulfate	7727-54-0	100.00000	0.00009	None
			Ethanol	64-17-5	1.00000	0.00008	None
			Mixture of dimer and trimer fatty acids of indefinite composition derived from tall oil	61790-12-3	30.00000	0.00007	None
			Modified thiourea polymer	Proprietary	30.00000	0.00007	None
			Oxylated phenolic resin	Proprietary	30.00000	0.00003	None
			Propargyl alcohol	107-19-7	5.00000	0.00001	None
			Hexadecene	629-73-2	5.00000	0.00001	None
			Ethoxylated alcohols	Proprietary	5.00000	0.00001	None
			C.I. pigment Orange 5	3468-63-1	1.00000	0.00000	None

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WV Department of Environmental Protection

* 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%

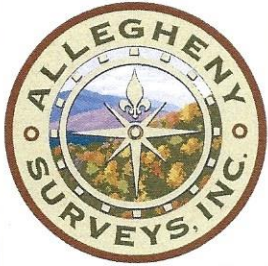
04/26/2024

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)

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WV Department of
Environmental Protection

04/26/2024

Antero Resources
Well No. Chiselfinger 1H
As-Drilled
 Antero Resources Corporation



TOP HOLE LATITUDE 39 - 35 - 00
 BTM HOLE LATITUDE 39 - 37 - 30

Notes
 West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.
 Well No. Chiselfinger 1H Top Hole coordinates are
 N: 386,354.21' Latitude: 39°33'12.84"
 E: 1,635,479.01' Longitude: 80°47'34.12"
 Bottom Hole coordinates are
 N: 400,943.94' Latitude: 39°35'36.59"
 E: 1,632,428.55' Longitude: 80°48'15.77"
 UTM Zone 17, NAD 1983
 Top Hole Coordinates Bottom Hole Coordinates
 N: 4,378,238.740m N: 4,382,668.074m
 E: 517,815.375m E: 516,811.989m
 Plat orientation and corner and well references are based upon the grid north meridian.
 Well location references are based upon the magnetic meridian.

LONGITUDE 80 - 47 - 30

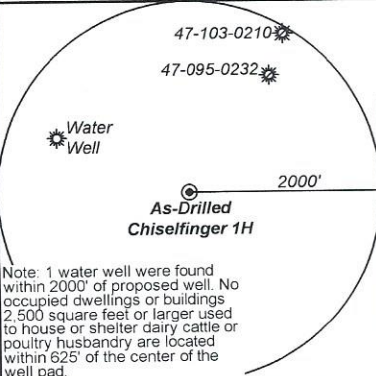
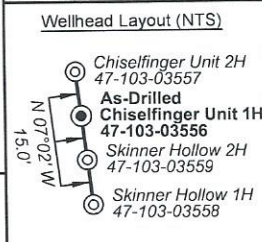
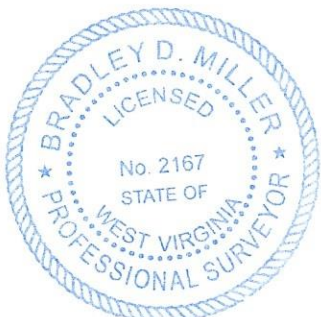
Top Hole Coordinates, As-drilled data, and information was provided by Antero Resources Corporation. Allegheny Surveys Inc. (ASI) is not certifying the data and information provided. ASI is not responsible for any errors or inaccuracies with the data and information that has been provided.

Chiselfinger 1H As-Drilled POE Coordinates
 West Virginia Coordinate System of 1927, North Zone
 N: 388,185.57'
 E: 1,636,593.03'
 Latitude: 39°33'31.10"
 Longitude: 80°47'20.23"
 UTM Zone 17, NAD 1983
 N: 4,378,802.355m
 E: 518,145.477m

	Bearing	Dist.
L1	S 87°16' E	2,765.7'
L2	S 77°40' E	2,499.7'
L3	N 51°11' W	2,478.5'
L4	N 07°26' W	3,175.9'

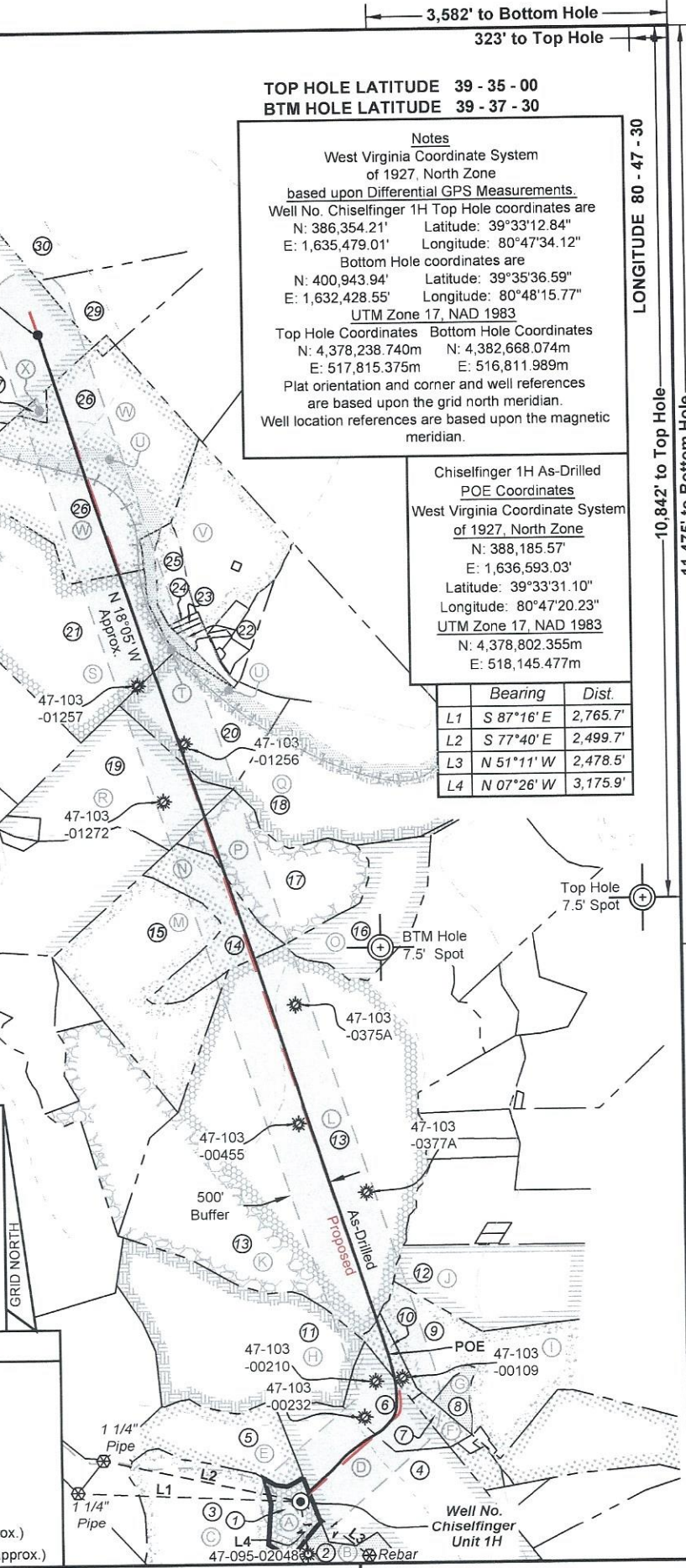
I, the undersigned, hereby certify that this plat is correct to the best of my knowledge and belief and shows all the information required by law and the rules issued and prescribed by the Department of Environmental Protection.

Bradley D. Miller
 Bradley D. Miller, P.S. 2167



Legend

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



FILE NO: 150-34-G-22
 DRAWING NO: Chiselfinger 1H As-Drilled
 SCALE: 1" = 2000'
 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: December 5 2023
 OPERATOR'S WELL NO. Chiselfinger Unit 1H
 API WELL NO
 47 - 103 - 03556
 STATE COUNTY PERMIT

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

LOCATION: ELEVATION: As-Built 1,255' WATERSHED: Fishing Creek QUADRANGLE: Porter Falls
 DISTRICT: Green COUNTY: Wetzel
 SURFACE OWNER: Karen & Ernest Clark Chesapeake Appalachia, LLC; George N. Myers, et ux; WVDNR; W.C. Cunningham, et al; Stone Hill Minerals Holdings, LLC; BRC Appalachian Minerals I, LLC; Russell L. Jones, Jr.; Antero Minerals, LLC; ACREAGE: 15.00
 ROYALTY OWNER: Karen Sue Clark; Clair P. Dawson; Shiben Estates, Inc.; Gregory W. Burrough; LEASE NO: ACREAGE: 106; 209.00; 97

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: 20,960' MD

WELL OPERATOR: Antero Resources Corporation DESIGNATED AGENT: Kevin Ellis
 ADDRESS: 1615 Wynkoop Street ADDRESS: 535 White Oaks Blvd.
 Denver, CO 80202 Bridgeport, WV 26330

04/26/2024



ID	TM-Par	Owner	Bk/Pg	Acres
1	8-1	Karen & Ernest Clark	366/625	15.00
2	8-4	Karen & Ernest Clark	366/625	34.25
3	7-16	John B. & Helen L. Bennett	334/359	90.00
4	15-7	Clair Phillip Dawson, Jr.	471/210	104.25
5	15-6	Robert E. & Beth Ann Clark	366/460	53.25
6	15-4	Clair Phillip Dawson, Jr.	471/210	16.25
7	15-8	Clair Phillip Dawson, Jr.	471/210	3.00
8	15-11	William D. Hope	394/630	1.00
9	16-1	Richard Coleman Nolan	264/313	60.72
10	16-7	Wilbur B. Dawson & Loretta P. Ueltschy	408/192	54.50
11	15-3	Robert E. & Beth Ann Clark	404/238	85.50
12	12-52	Linda Lou Jackson	399/34	50.00
13	12-43	Coastal Forest Resources Co	444/105	172.70
14	11-14	Steven M. & Marisa J. Ingold	494/13	25.00
15	12-23	Coastal Forest Resources Co.	444/105	62.45
16	12-16	Charmaine A. & Heath C. Starkweather	427/930	36.00
17	12-15	Coastal Forest Resources Co.	444/105	51.00
18	12-1	Bradley Warren Ueltschy	476/310	78.13
19	11-10	Russell Jones Jr.	273/78	53.00
20	12-1.1	Gary L. Price & Susan L. Lambert	WB89/627	31.38
21	7-34	David A. Conner	397/1	97.00
22	7-25.1	Darrell Vane Starkey	339/324	1.40
23	7-25.2	D. Vane Starkey	423/857	0.57
24	7-25.3	Roy Wayne Harrison	421/216	0.60
25	7-25.4	Roy W. II, & Julie L. Harrison	457/366	11.04
26	7-18	George M. Arthurs, et ux	409/362	98.06
27	7-16	David L. Shreve	444/762	1.69
28	7-10	David L. & Esther P. Shreve	402/217	138.20
29	7-17	Tall Timber, Inc.	318/111	31.64
30	7-6	Tony L. Maury, et al	342/113	188.00

Leases	
A	Karen Sue Clark
B	Karen Sue Clark
C	John B. Bennett, et ux
D	Clair P. Dawson
E	Robert Eugene & Beth Ann Clark
F	Shiben Estates, Inc.
G	Timothy W. Ueltschy
H	Warren M. Clark, et al
I	John Ray Nolan
J	Linda L. & Jess S. Jackson
K	James W. Yoho, et ux
L	Gregory W. Burrough
M	John K. & Patricia Ingold
N	Russell L. Jones, Jr.
O	Charmaine A. & Heath C. Starkweather
P	BRC Appalachian Minerals I, LLC
Q	Stone Hill Minerals Holdings, LLC
R	W.C. Cunningham, et al
S	Antero Minerals, LLC
T	CSX Transportation Inc.
U	WVDNR
V	Estelle M. Bonner Moses
W	George N. Myers, et ux
X	David L. Shreve
Y	Chesapeake Appalachia, LLC

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 DISTRICT: Green COUNTY: Wetzel 525.69;
 SURFACE OWNER: Karen & Ernest Clark Chesapeake Appalachia, LLC; George N. Myers, et ux; WVDNR; 03,169; 51,641;
W.C. Cunningham, et al; Stone Hill Minerals Holdings, LLC; 14.9; 120.5; 54;
BRC Appalachian Minerals I, LLC; Russell L. Jones, Jr.; Antero Minerals, LLC; 214.17; 51; 25;
 ROYALTY OWNER: Karen Sue Clark; Clair P. Dawson; Shiben Estates, Inc.; Gregory W. Burrough; LEASE NO: _____ ACREAGE: _____ 106; 209.00; 97

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