

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

API 47-095-02755 County Tyler District Ellsworth  
Quad Porter Falls 7.5' Pad Name Thin Air Field/Pool Name -----  
Farm name Clara Suzanne Wallace & Rickie Wallace Well Number Capitol 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 4375376m Easting 517793m  
Landing Point of Curve Northing 4375398.65m Easting 517149.03m  
Bottom Hole Northing 4380040m Easting 515575m

Elevation (ft) 1200' 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 9/20/2021 Date drilling commenced 11/12/2021 Date drilling ceased 1/14/2022  
Date completion activities began 3/26/2022 Date completion activities ceased 7/2/2022  
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 328' Open mine(s) (Y/N) depths No  
Salt water depth(s) ft 1660' Void(s) encountered (Y/N) depths No  
Coal depth(s) ft N/A Cavern(s) encountered (Y/N) depths No  
Is coal being mined in area (Y/N) No

**APPROVED**  
Reviewed by: [Signature]  
09/15/2023  
5/24/23

API 47-095 - 02755 Farm name Clara Suzanne Wallace & Rickie Wallace Well number Capitol 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	28"	20"	125.5'	New	78.67#, X-60	N/A	Y
Surface	17-1/2"	13-3/8"	488'	New	54.5#, J-55	N/A	Y
Coal							
Intermediate 1	12-1/4"	9-5/8"	2684'	New	36#, J-55	N/A	Y
Intermediate 2							
Intermediate 3							
Production	8-3/4"/8-1/2"	5-1/2"	24084'	New	20#, P-100	N/A	Y
Tubing		2-3/8"	7197'		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	279 sx	15.6	1.18	329	0'	8 Hrs.
Surface	Class A	515 sx	15.6	1.20	618	0'	8 Hrs.
Coal							
Intermediate 1	Class A	903 sx	15.6	1.19	1075	0'	8 Hrs.
Intermediate 2							
Intermediate 3							
Production	Class H	3896 sx (Tail)	13.5 (Lead), 15.2(Tail)	1.26 (Tail)	4909	-500' into Intermediate Casing	8 Hrs.
Tubing							

Drillers TD (ft) 24084' MD, 6788' TVD (BHL), 6877' (Deepest Point Drilled) Loggers TD (ft) 24084' MD  
 Deepest formation penetrated Marcellus Plug back to (ft) N/A  
 Plug back procedure N/A

Kick off depth (ft) 6190'

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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**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.

**STIMULATION INFORMATION PER STAGE**

Complete a separate record for each stimulation stage.

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

Please insert additional pages as applicable.

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<u>PRODUCING FORMATION(S)</u>	<u>DEPTHS</u>		
<u>Marcellus</u>	<u>6826' (TOP)</u>	<u>TVD</u>	<u>7424' (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 1248 psi Bottom Hole --- psi DURATION OF TEST --- hrs

OPEN FLOW Gas 14031 mcfpd Oil 542 bpd NGL --- bpd Water 1235 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 Schlumberger US Land  
Address 1080 US-33 City Weston State WV Zip 26452

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 3/22/2023

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

09/15/2023 *JM*

LATITUDE 39°32'30" 417'

LATITUDE 39°32'30"

7,661' TO BOTTOM HOLE

4,914' TO BOTTOM HOLE

5,061'

LONGITUDE 80°47'30"

Antero Resources Corporation  
Well No. Capitol Unit 2H

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07-07	Lillie Gump
07-09	Harold Yost
07-23	Harold Yost
07-25	BB Farm Investments LLC
07-26	William Hope
07-27	James Kleeh
11-14	Paul Thomas
11-15	BB Farm Investments LLC
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11-18	Sarah Sine
11-18.1	Sarah Sine
11-19	Elzie Hall
11-20	Edward Quirk
11-21	Edward Quirk
11-22	Nile Harris
11-29	Edward Quirk
11-40	Michael Martin
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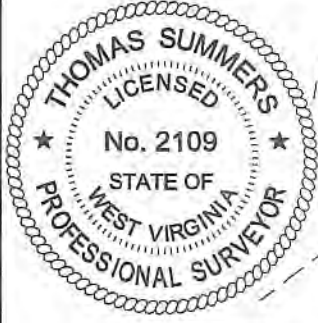
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11-36	Thomas Gaffney
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**AS DRILLED DATA:**  
**WELL 2H TOP HOLE INFORMATION:**  
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 LAT: 39°31'39.98" LON: 80°47'35.33"  
**BOTTOM HOLE INFORMATION:**  
 N: 392,389ft E: 1,628,227ft  
 LAT: 39°34'11.44" LON: 80°49'07.83"  
 WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH 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 2H TOP HOLE INFORMATION:**  
 N: 4,375,376m E: 517,793m  
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WN NORTH ZONE GRID NORTH



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STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

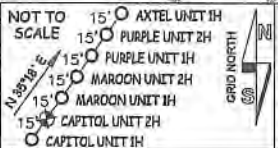
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JOB # 20-011WA  
 DRAWING # CAPITOL2HAD  
 SCALE 1" = 2000'  
 MINIMUM DEGREE OF ACCURACY SUBMETER  
 PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS

LEGEND	
	Surface Owner Boundary Lines +/-
	Interior Surface Tracts +/-
	Proposed Well Path
	As Drilled Well Path

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

THOMAS SUMMERS P.S. 2109  
 DATE 10/11/22  
 OPERATOR'S WELL# CAPITOL UNIT #2H



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WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_ 47 - 095 - 02755  
 (IF "GAS") PRODUCTION X STORAGE \_\_\_ DEEP \_\_\_ SHALLOW X STATE COUNTY PERMIT  
 LOCATION: ELEVATION 1,200' - AS BUILT WATERSHED OUTLET MIDDLE ISLAND CREEK  
 QUADRANGLE PORTER FALLS 7.5' DISTRICT ELLSWORTH COUNTY TYLER  
 SURFACE OWNER CLARA SUZANNE WALLACE & RICKIE WALLACE ACREAGE 60 ACRES +/- 09/15/2023  
 OIL & GAS ROYALTY OWNER PHILLIP K. GEORGE; SAMUEL K. STONEKING JR.; BRC APPALACHIAN MINERALS I LLC; LEASE ACREAGE 60 AC +/-; 76.88 AC +/-; 50 AC +/-;  
BRC APPALACHIAN MINERALS I LLC; GARY A. SOLE; D. RALPH THACKER; MERCER MINERALS LLC; MERCER MINERALS LLC; WILLIAM D. HOPE, 25.37 AC +/-; 41.3 AC +/-; 59 AC +/-; 132 AC +/-; 106 AC +/-; 109 AC +/-;  
HAROLD S. YOST ET UX; BRC APPALACHIAN MINERALS I LLC; BRC APPALACHIAN MINERALS I LLC; SUZANNE HILL; SUZANNE HILL; DAVID LEE SMITH 87 AC +/-; 25 AC +/-; 52 AC +/-; 51.4 AC +/-; 93.5 AC +/-; 35 AC +/-;  
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 ADDRESS 1615 WYNKOOP ST. ADDRESS 5400 D BIG TYLER ROAD  
 DENVER, CO 80202 CHARLESTON, WV 25313

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JM

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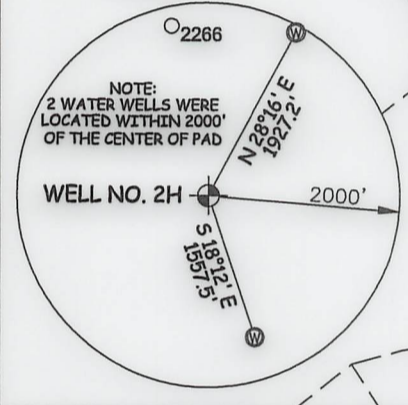
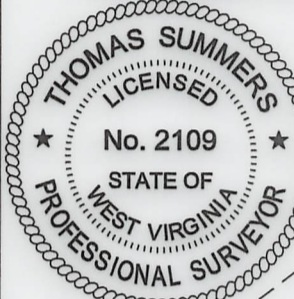
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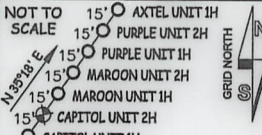
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 FORM WW-6 DENVER, CO 80202 CHARLESTON, WV 25313

COUNTY NAME

PERMIT

API 47-095-02755 Farm Name Clara Suzanne Wallace & Rickie Wallace Well Number Capitol Unit 2H

Exhibit 1

Stage No.	Perforation Date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formations
1	03/26/2022	23972.0	23932.4	60	Marcellus
2	03/27/2022	23893.1	23725.8	60	Marcellus
3	03/28/2022	23690.0	23522.6	60	Marcellus
4	03/29/2022	23486.8	23319.4	60	Marcellus
5	03/29/2022	23283.6	23116.3	60	Marcellus
6	03/30/2022	23080.4	22913.1	60	Marcellus
7	03/31/2022	22877.2	22709.9	60	Marcellus
8	03/31/2022	22674.0	22506.7	60	Marcellus
9	04/07/2022	22470.8	22303.5	60	Marcellus
10	04/07/2022	22267.7	22100.3	60	Marcellus
11	04/08/2022	22064.5	21897.1	60	Marcellus
12	04/09/2022	21861.3	21694.0	60	Marcellus
13	04/09/2022	21658.1	21490.8	60	Marcellus
14	04/09/2022	21454.9	21287.6	60	Marcellus
15	04/10/2022	21251.7	21084.4	60	Marcellus
16	04/10/2022	21048.5	20881.2	60	Marcellus
17	04/10/2022	20845.4	20678.0	60	Marcellus
18	04/10/2022	20642.2	20474.9	60	Marcellus
19	04/11/2022	20439.0	20271.7	60	Marcellus
20	04/11/2022	20235.8	20068.5	60	Marcellus
21	04/12/2022	20032.6	19865.3	60	Marcellus
22	04/26/2022	19829.4	19662.1	60	Marcellus
23	04/27/2022	19626.2	19458.9	60	Marcellus
24	04/27/2022	19423.1	19255.7	60	Marcellus
25	04/28/2022	19219.9	19052.6	60	Marcellus
26	04/29/2022	19016.7	18849.4	60	Marcellus
27	04/29/2022	18813.5	18646.2	60	Marcellus
28	04/29/2022	18610.3	18443.0	60	Marcellus
29	04/30/2022	18407.1	18239.8	60	Marcellus
30	04/30/2022	18204.0	18036.6	60	Marcellus
31	04/30/2022	18000.8	17833.4	60	Marcellus
32	04/30/2022	17797.6	17630.3	60	Marcellus
33	05/01/2022	17594.4	17427.1	60	Marcellus
34	05/01/2022	17391.2	17223.9	60	Marcellus
35	05/01/2022	17188.0	17020.7	60	Marcellus
36	05/02/2022	16984.8	16817.5	60	Marcellus
37	05/02/2022	16781.7	16614.3	60	Marcellus
38	05/02/2022	16578.5	16411.1	60	Marcellus
39	05/03/2022	16375.3	16208.0	60	Marcellus
40	05/03/2022	16172.1	16004.8	60	Marcellus
41	05/04/2022	15968.9	15801.6	60	Marcellus
42	05/04/2022	15765.7	15598.4	60	Marcellus
43	05/04/2022	15562.5	15395.2	60	Marcellus
44	05/05/2022	15359.4	15192.0	60	Marcellus
45	05/05/2022	15156.2	14988.9	60	Marcellus
46	05/05/2022	14953.0	14785.7	60	Marcellus
47	05/06/2022	14749.8	14582.5	60	Marcellus
48	05/06/2022	14546.6	14379.3	60	Marcellus
49	05/07/2022	14343.4	14176.1	60	Marcellus
50	05/08/2022	14140.2	13972.9	60	Marcellus
51	05/08/2022	13937.1	13769.7	60	Marcellus
52	05/08/2022	13733.9	13566.6	60	Marcellus
53	05/08/2022	13530.7	13363.4	60	Marcellus
54	05/09/2022	13327.5	13160.2	60	Marcellus
55	05/09/2022	13124.3	12957.0	60	Marcellus
56	05/09/2022	12921.1	12753.8	60	Marcellus
57	05/10/2022	12718.0	12550.6	60	Marcellus
58	05/10/2022	12514.8	12347.4	60	Marcellus
59	05/11/2022	12311.6	12144.3	60	Marcellus
60	05/12/2022	12108.4	11941.1	60	Marcellus
61	05/13/2022	11905.2	11737.9	60	Marcellus
62	05/13/2022	11702.0	11534.7	60	Marcellus
63	05/14/2022	11498.8	11331.5	60	Marcellus
64	05/14/2022	11295.7	11128.3	60	Marcellus
65	05/15/2022	11092.5	10925.1	60	Marcellus
66	05/16/2022	10889.3	10722.0	60	Marcellus
67	05/16/2022	10686.1	10518.8	60	Marcellus
68	05/17/2022	10482.9	10315.6	60	Marcellus
69	05/18/2022	10279.7	10112.4	60	Marcellus
70	05/18/2022	10076.5	9909.2	60	Marcellus
71	05/19/2022	9873.4	9706.0	60	Marcellus
72	05/19/2022	9670.2	9502.9	60	Marcellus
73	05/20/2022	9467.0	9299.7	60	Marcellus
74	05/21/2022	9263.8	9096.5	60	Marcellus
75	05/21/2022	9060.6	8893.3	60	Marcellus
76	05/22/2022	8857.4	8690.1	60	Marcellus
77	05/22/2022	8654.2	8486.9	60	Marcellus
78	05/22/2022	8451.1	8283.7	60	Marcellus
79	05/23/2022	8247.9	8080.6	60	Marcellus
80	05/23/2022	8044.7	7877.4	60	Marcellus
81	05/24/2022	7841.5	7674.2	60	Marcellus
82	05/24/2022	7638.3	7471.0	60	Marcellus


09/15/2023 

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	03/26/2022	67.2	8338	7861	2589	174100	248170	N/A
2	03/27/2022	77.8	9347	6383	3938	397175	342008	N/A
3	03/28/2022	79.1	9499	6294	4197	408495	349340	N/A
4	03/29/2022	79.3	9660	5728	4456	397810	321571	N/A
5	03/29/2022	82.6	9756	6432	3852	397800	334977	N/A
6	03/30/2022	77.3	9341	5606	3873	402415	387751	N/A
7	03/31/2022	77.7	9461	6599	3392	409500	398454	N/A
8	03/31/2022	56.7	7518	6108	4574	292536	384971	N/A
9	04/07/2022	78.8	9170	6545	3613	404940	320429	N/A
10	04/07/2022	79.9	9231	4994	3854	404561	318413	N/A
11	04/08/2022	76.4	8872	5696	7776	408580	327167	N/A
12	04/09/2022	76.5	8810	5001	3288	403506	299993	N/A
13	04/09/2022	77.0	9079	4719	3307	409965	301547	N/A
14	04/09/2022	76.4	8620	3276	4566	406210	300114	N/A
15	04/10/2022	69.4	7959	4866	3390	407376	313643	N/A
16	04/10/2022	77.2	8618	4671	3675	404486	303064	N/A
17	04/10/2022	80.5	8870	5086	3731	410060	300448	N/A
18	04/10/2022	78.9	8907	6812	3462	403974	297959	N/A
19	04/11/2022	78.1	8874	5409	3705	406150	302721	N/A
20	04/11/2022	67.8	8513	5450	3800	410660	457917	N/A
21	04/12/2022	63.9	7590	4295	3589	401646	351086	N/A
22	04/26/2022	76.2	8114	2840	3600	396755	319814	N/A
23	04/27/2022	80.6	8307	5388	3471	407285	319611	N/A
24	04/27/2022	80.8	8381	9274	3575	400105	312681	N/A
25	04/28/2022	69.2	7888	5215	3277	400075	377228	N/A
26	04/29/2022	77.8	7864	4848	3604	406930	449046	N/A
27	04/29/2022	78.1	8054	4766	3669	401570	330410	N/A
28	04/29/2022	78.7	8359	4717	3776	410230	301026	N/A
29	04/30/2022	79.7	8449	2991	3798	405795	300638	N/A
30	04/30/2022	79.8	8551	4544	3645	402620	297916	N/A
31	04/30/2022	77.4	8285	5614	3782	402312	304142	N/A
32	04/30/2022	79.3	8518	3289	3887	408250	304796	N/A
33	05/01/2022	79.2	8241	5205	4200	404060	310793	N/A
34	05/01/2022	77.5	8059	5144	3927	399424	328126	N/A
35	05/01/2022	79.1	8126	5427	4042	407275	307952	N/A
36	05/02/2022	79.1	8337	3002	4011	400435	306092	N/A
37	05/02/2022	72.4	7822	5828	4270	399870	375815	N/A
38	05/02/2022	79.5	8104	5037	3994	402245	312347	N/A
39	05/03/2022	77.6	8022	4875	3624	402695	309985	N/A
40	05/03/2022	76.2	8031	4904	4180	398468	428487	N/A
41	05/04/2022	77.9	7875	4998	3854.23	409830	312592	N/A
42	05/04/2022	78.9	8064	3805	4024	405580	307662	N/A
43	05/04/2022	75.8	7955	4992	3817	403230	303435	N/A
44	05/05/2022	79.2	8121	5095	3888	399560	387147	N/A
45	05/05/2022	67.1	7459	3914	4054	393015	372069	N/A
46	05/05/2022	77.4	7806	5174	4112	406155	381391	N/A
47	05/06/2022	78.5	7868	4971	4014	400880	375490	N/A
48	05/06/2022	78.1	7795	5120	4092	406365	379211	N/A
49	05/07/2022	77.7	7843	5347	3894	403545	317980	N/A
50	05/08/2022	79.6	7804	5478	3748	403155	360233	N/A
51	05/08/2022	79.7	7592	5874	3605	400775	291178	N/A
52	05/08/2022	79.8	7599	5886	3566	406219	349991	N/A
53	05/08/2022	79.3	7456	4693	3631	401025	301272	N/A
54	05/09/2022	77.9	7446	6023	3501	413444	381501	N/A
55	05/09/2022	79.2	7435	3982	3900	407355	293465	N/A
56	05/09/2022	77.9	7435	5734	3656	408990	362001	N/A
57	05/10/2022	79.4	7462	4244	4325	390800	299661	N/A
58	05/10/2022	79.1	7465	7537	4401.0	399775.0	280171.0	N/A
59	05/11/2022	77.6	7301	2838	4734.0	402370.0	336439.0	N/A
60	05/12/2022	79.6	7343	5553	4563.0	395385.0	304802.0	N/A
61	05/13/2022	79.0	7047	4698	3927.0	406750.0	307864.0	N/A
62	05/13/2022	79.6	7267	5853	4523.0	402160.0	294517.0	N/A
63	05/14/2022	79.3	7196	6418	4374.0	399749.0	300565.0	N/A
64	05/14/2022	79.8	7036	5353	4810.0	404040.0	297379.0	N/A
65	05/15/2022	79.0	7110	5276	4750.0	407900.0	363520.0	N/A
66	05/16/2022	77.3	7009	5367	5154.0	410515.0	425338.0	N/A
67	05/16/2022	79.0	6915	5258	4445.0	411560.0	308395.0	N/A
68	05/17/2022	78.1	7167	5502	4360.4	405955.0	310163.0	N/A
69	05/18/2022	80.4	7170	7379	4632.0	411700.0	298300.0	N/A
70	05/18/2022	79.2	6958	5160	4275.0	410335.0	287662.0	N/A
71	05/19/2022	76.9	6863	5898	4475.0	403760.0	305037.0	N/A
72	05/19/2022	79.3	6947	5244	4074.0	406690.0	275726.0	N/A
73	05/20/2022	79.3	6922	2695	4196.0	402025.0	292824.0	N/A
74	05/21/2022	76.5	6864	5816	4123.0	403285.0	305933.0	N/A
75	05/21/2022	79.4	6626	3651	4043.0	408825.0	282614.0	N/A
76	05/22/2022	77.3	6783	5633	4178.0	400730.0	295906.0	N/A
77	05/22/2022	79.8	6782	5618	4515.0	402780.0	283951.0	N/A
78	05/22/2022	77.9	6858	5590	4713.0	406195.0	335845.0	N/A
79	05/23/2022	79.9	6703	5354	4639.0	400270.0	281799.0	N/A
80	05/23/2022	79.7	6616	5716	4631.0	403710.0	274428.0	N/A
81	05/24/2022	77.5	6647	5561	4251.0	400455.0	274186.0	N/A
82	05/24/2022	79.9	6858	5936	4072.0	394130.0	276762.0	N/A
	AVERAGE	77	7,890	5,207	4,043	32,779,266	26,635,033	TOTAL

09/15/2023 



**EXHIBIT 3**

LITHOLOGY/ FORMATION	TOP DEPTH (TVD)	BOTTOM DEPTH (TVD)	TOP DEPTH (MD)	BOTTOM DEPTH (MD)
	From Surface	From Surface	From Surface	From Surface
Shaly Siltstone, tr LS	91	275	91	275
Sandy Siltstone, Coal	275	335	275	335
Silty Sandstone	335	425	335	425
Shaly Siltstone, occ LS	425	635	425	635
Sandy Siltstone, occ LS	635	965	635	965
Shaly Siltstone, occ SS	965	1,025	965	1,025
Shaly Siltstone	1,025	1,435	1,025	1,435
Sandy Siltstone, occ Shale	1,435	1,525	1,435	1,525
Silty Sandstone, tr coal	1,525	1,615	1,525	1,615
Silty Sandstone, coal, tr shale	1,615	1,735	1,615	1,735
Silty Sandstone, occ shale	1,735	1,885	1,735	1,885
Shaly Sandstone, coal, occ slst	1,885	2,125	1,885	2,125
Silty Sandstone, coal, occ Shale	2,125	2,094	2,125	2,146
Big Lime	2,119	2,969	2,146	3,075
Fifty Foot Sandstone	2,969	3,107	3,050	3,222
Gordon	3,107	3,413	3,197	3,545
Fifth Sandstone	3,413	3,502	3,520	3,639
Bayard	3,502	4,153	3,614	4,332
Speechley	4,153	4,474	4,307	4,669
Balltown	4,474	4,911	4,644	5,128
Bradford	4,911	5,177	5,103	5,413
Benson	5,177	5,400	5,388	5,653
Alexander	5,400	6,661	5,628	7,050
Sycamore	6,521	6,636	6,871	7,025
Middlesex	6,636	6,734	7,025	7,187
Burkett	6,734	6,765	7,187	7,248
Tully	6,765	6,826	7,248	7,424
Marcellus	6,826	NA	7,424	NA

\*Please note Antero determines formation tops based on mud logs that are only run on one well on a multi-well pad. The measured depth (MD) data on subsequent wells may be slightly different due to the well's unique departure.

## Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	3/26/2022
Job End Date:	5/24/2022
State:	West Virginia
County:	Tyler
API Number:	47-095-02755-00-00
Operator Name:	Antero Resources Corporation
Well Name and Number:	CAPITOL UNIT 2H
Latitude:	39.52777000
Longitude:	-80.79315000
Datum:	WGS84
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	6,877
Total Base Water Volume (gal):	27,917,104
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	87.68356	Density = 8.50
Ingredients	Listed Above	Listed Above					
			Water	7732-18-5	100.00000	0.15634	

*Handwritten signature*

Sand-Premium White-30/50	Halliburton	Proppant					
				Listed Below			
Sand-Premium White-30/70	Halliburton	Proppant					
				Listed Below			
MC B-8614A	MultiChem	Biocide					
				Listed Below			
HYDROCHLORI C ACID, 22 BAUME	Halliburton	Solvent					
				Listed Below			
FDP-S1443-21	Halliburton	Corrosion Inhibitor					
				Listed Below			
MC DF-7250	MultiChem	Defoamer					
				Listed Below			
OPTIFLO-II DELAYED RELEASE BREAKER	Halliburton	Breaker					
				Listed Below			
Excelerate LX-15	Halliburton	Friction Reducer					
				Listed Below			

WG-35 GELLING AGENT	Halliburton	Gelling Agent					
				Listed Below			
WG-36 GELLING AGENT	Halliburton	Gelling Agent					
				Listed Below			
D-AIR 3000L	Halliburton	Defoamer					
				Listed Below			
Sand-Common White-100 Mesh, SSA-2	Halliburton	Proppant					
				Listed Below			
HAI-501	Halliburton	Acid Corrosion Inhibitor					
				Listed Below			

Items above are Trade Names with the exception of Base Water . Items below are the individual ingredients.

			Crystalline silica, quartz	14808-60-7	100.00000	12.11242	
			Hydrochloric acid	7647-01-0	30.00000	0.03946	
			Guar gum	9000-30-0	100.00000	0.03567	
			Complex Amine Compound	Proprietary	60.00000	0.01654	
			Hydrotreated light petroleum distillate	64742-47-8	30.00000	0.00827	
			Glutaraldehyde	111-30-8	30.00000	0.00247	
			Sorbitan, mono-9-octadecenoate, (Z)	1338-43-8	5.00000	0.00138	
			Surfactant	Proprietary	5.00000	0.00138	
			Ammonium persulfate	7727-54-0	100.00000	0.00077	

			Alkyl (C12-16) dimethylbenzyl ammonium chloride	68424-85-1	5.00000	0.00041	
			Ethoxylated alcohols	Proprietary	30.00000	0.00034	
			Organic chloride compound	Proprietary	1.00000	0.00028	
			Alkoxylated polyhydric alcohol	Proprietary	1.00000	0.00028	
			Methanol	67-56-1	100.00000	0.00026	
			Oxylated phenolic resin	Proprietary	30.00000	0.00023	
			Ethanol	64-17-5	1.00000	0.00008	
			Modified thiourea polymer	Proprietary	30.00000	0.00003	
			Alkenes	Proprietary	100.00000	0.00003	
			Didecyldimethylammonium chloride	68910-32-7	60.00000	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	
			Polypropylene glycol	25322-69-4	30.00000	0.00001	
			Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	30.00000	0.00001	
			C.I. pigment Orange 5	3468-63-1	1.00000	0.00001	
			Acrylamide	79-06-1	0.01000	0.00000	
			Nitrated acetate salt	Proprietary	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	
			Formaldehyde	50-00-0	0.01000	0.00000	
			Organic salt #1	Proprietary	0.01000	0.00000	
			1-Octadecene	112-88-9	1.00000	0.00000	
			1-Hexadecene	629-73-2	1.00000	0.00000	

			Propargyl alcohol	107-19-7	5.00000	0.00000	
			Hexadecene	629-73-2	5.00000	0.00000	
			Alkylbenzene Derivatives	Proprietary	1.00000	0.00000	
			Sulfuric acid	7664-93-9	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)