

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

API 47 - 095 - 02731 County Tyler District Union/Meade  
Quad Middlebourne Pad Name Roma Lou Field/Pool Name -----  
Farm name Antero Resources Corporation Well Number Fleetwood 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 4370720m Easting 502251m  
Landing Point of Curve Northing 4370657.13m Easting 502904.38m  
Bottom Hole Northing 4366999m Easting 504171m

Elevation (ft) 883' 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 4/13/2021 Date drilling commenced 5/14/2021 Date drilling ceased 5/24/2021  
Date completion activities began 7/20/2021 Date completion activities ceased 8/8/2021  
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 158' Open mine(s) (Y/N) depths No  
Salt water depth(s) ft 1678' Void(s) encountered (Y/N) depths No  
Coal depth(s) ft 483' Cavern(s) encountered (Y/N) depths No  
Is coal being mined in area (Y/N) No

Reviewed by:

\_\_\_\_\_

WR-35  
Rev. 8/23/13

API 47-095 - 02731 Farm name Antero Resources Corporation Well number Fleetwood 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"	362'	New	54.5#, J-55	N/A	Y
Coal							
Intermediate 1	12-1/4"	9-5/8"	2702'	New	36#, J-55	N/A	Y
Intermediate 2							
Intermediate 3							
Production	8-3/4"/8-1/2"	5-1/2"	19607'	New	20#, P-100	N/A	Y
Tubing		2-3/8"	6597'		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	351 sx	15.6	1.18	75	0'	8 Hrs.
Surface	Class A	455 sx	15.6	1.20	94	0'	8 Hrs.
Coal							
Intermediate 1	Class A	920 sx	15.8	1.17	197	0'	8 Hrs.
Intermediate 2							
Intermediate 3							
Production	Class H	792 sx (Lead) 2968 sx (Tail)	13.5 (Lead), 15.2(Tail)	1.4 (Lead), 1.32 (Tail)	719	~500' into Intermediate Casing	8 Hrs.
Tubing							

Drillers TD (ft) 19657' MD, 6118' TVD (BHL), 6136' (Deepest Point Drilled) Loggers TD (ft) 19657' MD  
 Deepest formation penetrated Marcellus Plug back to (ft) N/A  
 Plug back procedure N/A

Kick off depth (ft) 5754'

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



API 47- 095 - 02731 Farm name Antero Resources Corporation Well number Fleetwood Unit 2H

PRODUCING FORMATION(S)	DEPTHS		
	6029' (TOP)	TVD	6651' (TOP) MD
Marcellus			

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 16841 mcfpd Oil 418 bpd NGL --- bpd Water 1471 bpd GAS MEASURED BY  Estimated  Orifice  Pilot

LITHOLOGY/ FORMATION	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	DEPTH IN FT	DEPTH IN FT	DEPTH IN FT	
	NAME TVD	TVD	MD	MD	
<b>*PLEASE SEE ATTACHED EXHIBIT 3</b>					


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 303-357-7223  
Signature  Title Completions Technician Date 3/31/22

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Stage No.	Perforation Date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formations
1	07/20/2021	19537.3	19492.7	36	Marcellus
2	07/20/2021	19453.67328	19286.5397	36	Marcellus
3	07/21/2021	19250.71296	19083.5794	36	Marcellus
4	07/21/2021	19047.75265	18880.619	36	Marcellus
5	07/21/2021	18844.79233	18677.6587	36	Marcellus
6	07/22/2021	18641.83201	18474.6984	36	Marcellus
7	07/22/2021	18438.87169	18271.7381	36	Marcellus
8	07/23/2021	18235.91138	18068.7778	36	Marcellus
9	07/23/2021	18032.95106	17865.8175	36	Marcellus
10	07/23/2021	17829.99074	17662.8571	36	Marcellus
11	07/23/2021	17627.03042	17459.8968	36	Marcellus
12	07/24/2021	17424.07011	17256.9365	36	Marcellus
13	07/24/2021	17221.10979	17053.9762	36	Marcellus
14	07/24/2021	17018.14947	16851.0159	36	Marcellus
15	07/24/2021	16815.18915	16648.0556	36	Marcellus
16	07/25/2021	16612.22884	16445.0952	36	Marcellus
17	07/25/2021	16409.26852	16242.1349	36	Marcellus
18	07/25/2021	16206.3082	16039.1746	36	Marcellus
19	07/25/2021	16003.34788	15836.2143	36	Marcellus
20	07/26/2021	15800.38757	15633.254	36	Marcellus
21	07/26/2021	15597.42725	15430.2937	36	Marcellus
22	07/26/2021	15394.46693	15227.3333	36	Marcellus
23	07/26/2021	15191.50661	15024.373	36	Marcellus
24	07/27/2021	14988.5463	14821.4127	36	Marcellus
25	07/27/2021	14785.58998	14618.4524	36	Marcellus
26	07/27/2021	14582.62566	14415.4921	36	Marcellus
27	07/27/2021	14379.66534	14212.5317	36	Marcellus
28	07/28/2021	14176.70503	14009.5714	36	Marcellus
29	07/28/2021	13973.74471	13806.6111	36	Marcellus
30	07/28/2021	13770.78439	13603.6508	36	Marcellus
31	07/28/2021	13567.82407	13400.6905	36	Marcellus
32	07/29/2021	13364.86376	13197.7302	36	Marcellus
33	07/29/2021	13161.90344	12994.7698	36	Marcellus
34	07/29/2021	12958.94312	12791.8095	36	Marcellus
35	07/29/2021	12755.9828	12588.8492	36	Marcellus
36	07/30/2021	12553.02249	12385.8889	36	Marcellus
37	07/30/2021	12350.06217	12182.9286	36	Marcellus
38	07/30/2021	12147.10185	11979.9683	36	Marcellus
39	07/30/2021	11944.14153	11777.0079	36	Marcellus
40	07/31/2021	11741.18122	11574.0476	36	Marcellus
41	07/31/2021	11538.2209	11371.0873	36	Marcellus
42	07/31/2021	11335.26058	11168.127	36	Marcellus
43	07/31/2021	11132.30026	10965.1667	36	Marcellus
44	07/31/2021	10929.33995	10762.2063	36	Marcellus
45	08/01/2021	10726.37963	10559.246	36	Marcellus
46	08/01/2021	10523.41931	10356.2857	36	Marcellus
47	08/01/2021	10320.45899	10153.3254	36	Marcellus
48	08/01/2021	10117.49868	9950.36508	36	Marcellus
49	08/02/2021	9914.53836	9747.40476	36	Marcellus
50	08/02/2021	9711.578042	9544.44444	36	Marcellus
51	08/02/2021	9508.617725	9341.48413	36	Marcellus
52	08/03/2021	9305.657407	9138.52381	36	Marcellus
53	08/03/2021	9102.69709	8935.56349	36	Marcellus
54	08/03/2021	8899.736772	8732.60317	36	Marcellus
55	08/03/2021	8696.776455	8529.64286	36	Marcellus
56	08/04/2021	8493.816138	8326.68254	36	Marcellus
57	08/04/2021	8290.85582	8123.72222	36	Marcellus
58	08/04/2021	8087.895503	7920.7619	36	Marcellus
59	08/04/2021	7884.935185	7717.80159	36	Marcellus
60	08/05/2021	7681.974868	7514.84127	36	Marcellus
61	08/05/2021	7479.01455	7311.88095	36	Marcellus
62	08/05/2021	7276.054233	7108.92063	36	Marcellus
63	08/05/2021	7073.093915	6905.96032	36	Marcellus
64	08/06/2021	6870.133598	6703	36	Marcellus

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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 (bbbls)	Amount of Nitrogen/ other (units)
1	07/20/2021	81.22	8690	7535	3166	182925	207692	N/A
2	07/20/2021	78.37	8355	5317	3782	408400	310140	N/A
3	07/21/2021	79.13	8407	5140	3757	406180	298169	N/A
4	07/21/2021	78.43	8689	6363	3720	403230	299930	N/A
5	07/21/2021	78.3	8259	5238	3686	404690	298506	N/A
6	07/22/2021	79.42	8480	5724	3738	404000	295520	N/A
7	07/23/2021	79.86	8574	7250	3364	400270	284523	N/A
8	07/23/2021	76.66	8587	4642	3406	406090	278908	N/A
9	07/23/2021	74.02	8563	6087	3476	402920	277461	N/A
10	07/23/2021	76.6	8435	5767	3484	406290	278252	N/A
11	07/23/2021	83.04	8641	7037	3693	405850	280178	N/A
12	07/24/2021	69.22	7815	5527	3392	404090	277606	N/A
13	07/24/2021	74.24	8510	7442	3040	406200	276917	N/A
14	07/24/2021	83.17	8423	8021	3376	404790	276679	N/A
15	07/24/2021	82.59	8353	8173	<b>3736</b>	406850	277106	N/A
16	07/25/2021	81.3	8226	6154	3574	404180	276114	N/A
17	07/25/2021	83.69	8594	7038	3548	405200	278098	N/A
18	07/25/2021	66.16	7430	8093	2999	405980	279382	N/A
19	07/25/2021	81.98	8408	6784	3384	408200	280176	N/A
20	07/26/2021	83.39	8543	5094	3448	404880	277743	N/A
21	07/26/2021	84.05	8306	7885	3349	402170	272654	N/A
22	07/26/2021	76.2	7889	7436	3227	405040	273861	N/A
23	07/26/2021	51.91	6407	5417	3625	404220	297339	N/A
24	07/27/2021	81.26	8212	6105	4013	405520	280180	N/A
25	07/27/2021	80.95	8207	6205	3557	404890	281847	N/A
26	07/27/2021	82.87	8363	6023	3540	404300	280549	N/A
27	07/27/2021	83.71	8348	6600	3328	403610	281875	N/A
28	07/28/2021	84.3	8358	6452	3370	404090	280390	N/A
29	07/28/2021	83.3	8216	<b>5481</b>	3200	404960	278550	N/A
30	07/28/2021	81.74	7820	6262	3641	405560	<b>282546</b>	N/A
31	07/28/2021	76.39	7430	7067	3652	403520	277249	N/A
32	07/29/2021	85.09	7886	7007	3530	406380	278242	N/A
33	07/29/2021	85.1	7558	6600	3423	406830	275899	N/A
34	07/29/2021	82.18	7413	6269	3398	401160	279796	N/A
35	07/29/2021	79.68	7282	6128	3601	403581	275012	N/A
36	07/30/2021	84.08	7318	7602	3572	409190	272154	N/A
37	<b>07/30/2021</b>	84.53	7544	6897	3590	400270	273482	N/A
38	07/30/2021	83.05	7517	6212	3648	403330	273706	N/A
39	07/30/2021	84.55	7438	5746	3721	403630	312168	N/A
40	07/31/2021	84.61	7512	6880	3891	400950	307999	N/A
41	07/31/2021	84.63	7521	6958	3511	402140	308496	N/A
42	07/31/2021	84.53	7405	6404	3460	404310	310209	N/A
43	07/31/2021	84.02	7297	6543	3702	407890	309964	N/A
44	07/31/2021	85	7285	6660	3532	404690	307651	N/A
45	08/01/2021	81.77	7108	7651	3599	406390	309231	N/A
46	08/01/2021	84.03	7234	7102	3531	409160	310309	N/A
47	08/01/2021	84.13	7006	6427	3533	407660	308612	N/A
48	08/01/2021	84.69	6986	7860	3815	402290	307432	N/A
49	08/02/2021	84.71	6794	6885	3597	407610	312215	N/A
50	08/02/2021	83.97	6781	6767	3525	407600	307239	N/A
51	08/02/2021	63.64	6142	6677	4023	405360	407336	N/A
52	08/03/2021	82.03	6491	6154	3786	406310	308273	N/A
53	08/03/2021	83.66	6424	7699	3519	411980	309256	N/A
54	08/03/2021	82.7	6310	7331	3657	405060	309184	N/A
55	08/03/2021	82.55	6413	6408	3907	409550	305006	N/A
56	08/04/2021	83.86	6402	7551	3838	406500	305479	N/A
57	08/04/2021	84.2	6326	6471	3544	410010	300851	N/A
58	08/04/2021	83.77	6272	7093	3604	408250	304409	N/A
59	08/04/2021	83.54	6122	5173	3738	409230	311126	N/A
60	08/05/2021	84.17	6278	5395	3847	404870	304409	N/A
61	08/05/2021	84.51	6201	6626	3625	404350	304020	N/A
62	08/05/2021	83.69	6073	6720	3517	403410	305590	N/A
63	08/05/2021	83.01	6028	6298	3819	408060	308793	N/A
64	08/06/2021	84.09	6005	6186	3911	404860	304062	N/A
	AVG=	81	7,531	6,558	3,575	25,721,956	18,718,750	TOTAL

API 47-095-02731 Farm Name Antero Resources Corporation Well Number Fleetwood Unit 2H

**EXHIBIT 3**

LITHOLOGY/ FORMATION	TOP DEPTH (TVD)		TOP DEPTH (MID)	
	From Surface	From Surface	From Surface	From Surface
Siltstone, Tr Shale	100	220	100	220
Shale	220	370	220	370
Shaley Siltstone	370	430	370	430
Limestone, Tr Shale	430	490	430	490
Siltstone, Tr Shale	490	640	490	640
Silty Sandstone	640	850	640	850
Shaley Siltstone	850	1,030	850	1,030
Shale, Tr Sandstone	1,030	1,090	1,030	1,090
Silty Shale, Tr Limestone	1,090	1,150	1,090	1,150
Sandy Shale	1,150	1,270	1,150	1,270
Sandstone, Tr Shale	1,270	1,450	1,270	1,450
Sandy Shale	1,450	1,630	1,450	1,630
Shaley Limestone	1,630	1,664	1,630	1,725
Big Lime	1,694	2,214	1,725	2,329
Fifty Foot Sandstone	2,214	2,459	2,299	2,602
Gordon	2,459	2,764	2,572	2,932
Fifth Sandstone	2,764	2,871	2,902	3,044
Bayard	2,871	3,724	3,014	3,948
Speechley	3,724	3,876	3,918	4,111
Balktown	3,876	4,351	4,081	4,614
Bradford	4,351	4,689	4,584	4,978
Benson	4,689	4,910	4,948	5,216
Alexander	4,910	5,953	5,186	6,438
Sycamore	5,822	6,035	6,249	6,408
Middlesex	5,923	6,059	6,408	6,579
Burkett	6,005	0	6,579	6,651
Marcellus	6,029	0	6,651	0

\*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 (MID) 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:	7/20/2021
Job End Date:	8/5/2021
State:	West Virginia
County:	Tyler
API Number:	47-095-02731-00-00
Operator Name:	Antero Resources Corporation
Well Name and Number:	FLEETWOOD 2H
Latitude:	39.48600800
Longitude:	-80.97398300
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	6,135
Total Base Water Volume (gal):	19,653,702
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	86.53509	Density = 8.50
Ingredients	Listed Above	Listed Above					
			Water	7732-18-5	100.00000	0.04992	



MC B-8614A	MultiChem	Biocide					
				Listed Below			
Sand-Common White-100 Mesh, SSA-2	Halliburton	Proppant					
				Listed Below			
HYDROCHLORIC ACID, 22 BAUME	Halliburton	Solvent					
				Listed Below			
WG-36 GELLING AGENT	Halliburton	Gelling Agent					
				Listed Below			
FLUID Enviro-Syn HCR-7000-WL	Fluid Energy Group	Acid Replacement					
				Listed Below			
Excelerate LX-15	Halliburton	Friction Reducer					
				Listed Below			
OPTIFLO-II DELAYED RELEASE BREAKER	Halliburton	Breaker					
				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	13.32396	
			Complex Amine Compound	Proprietary	60.00000	0.02409	
			Proprietary	Proprietary	20.00000	0.01378	
			Hydrotreated light petroleum distillate	64742-47-8	30.00000	0.01204	
			Proprietary	Proprietary	10.00000	0.00689	
			Guar gum	9000-30-0	100.00000	0.00595	
			Hydrochloric acid	7647-01-0	30.00000	0.00535	
			Glutaraldehyde	111-30-8	30.00000	0.00240	
			Sobitan, mono-9-octadecenoate, (Z)	1338-43-8	5.00000	0.00201	
			Surfactant	Proprietary	5.00000	0.00201	
			Ethoxylated alcohols	Proprietary	5.00000	0.00040	
			Organic chloride compound	Proprietary	1.00000	0.00040	
			Alkoxyated polyhydric alcohol	Proprietary	1.00000	0.00040	
			Alkyl (C12-16) dimethylbenzyl ammonium chloride	68424-85-1	5.00000	0.00040	
			Ammonium persulfate	7727-54-0	100.00000	0.00011	
			Ethanol	64-17-5	1.00000	0.00008	
			Oxylated phenolic resin	Proprietary	30.00000	0.00003	
			Methanol	67-56-1	100.00000	0.00003	
			Mixture of dimer and trimer fatty acids of indefinite composition derived from tall oil	61790-12-3	30.00000	0.00001	
			Modified thiourea polymer	Proprietary	30.00000	0.00001	
			Sodium hydroxide	1310-73-2	0.01000	0.00000	
			Organic salt #1	Proprietary	0.01000	0.00000	
			Nitrated acetate salt	Proprietary	0.01000	0.00000	
			Sodium glycolate	2836-32-0	0.01000	0.00000	

			Acrylamide	79-06-1	0.01000	0.00000	
			Organic salt #2	Proprietary	0.01000	0.00000	
			Formaldehyde	50-00-0	0.01000	0.00000	
			Hexadecene	629-73-2	5.00000	0.00000	
			Propargyl alcohol	107-19-7	5.00000	0.00000	
			C.I. pigment Orange 5	3468-63-1	1.00000	0.00000	

\* Total Water Volume sources may include various types of water including fresh water, produced water, and recycled water

\*\* Information is based on the maximum potential for concentration and thus the total may be over 100%

\*\*\* 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)

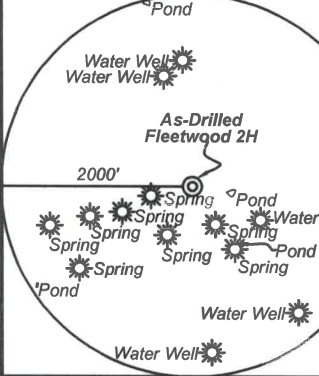
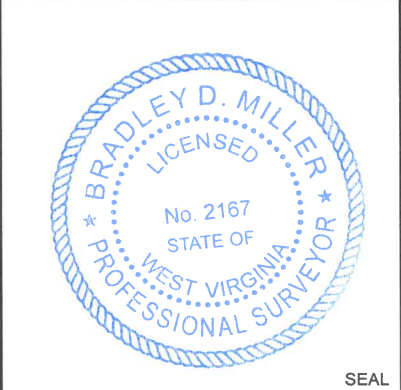
**Antero Resources**  
**Well No. Fleetwood 2H**  
**As-Drilled**  
 Antero Resources Corporation



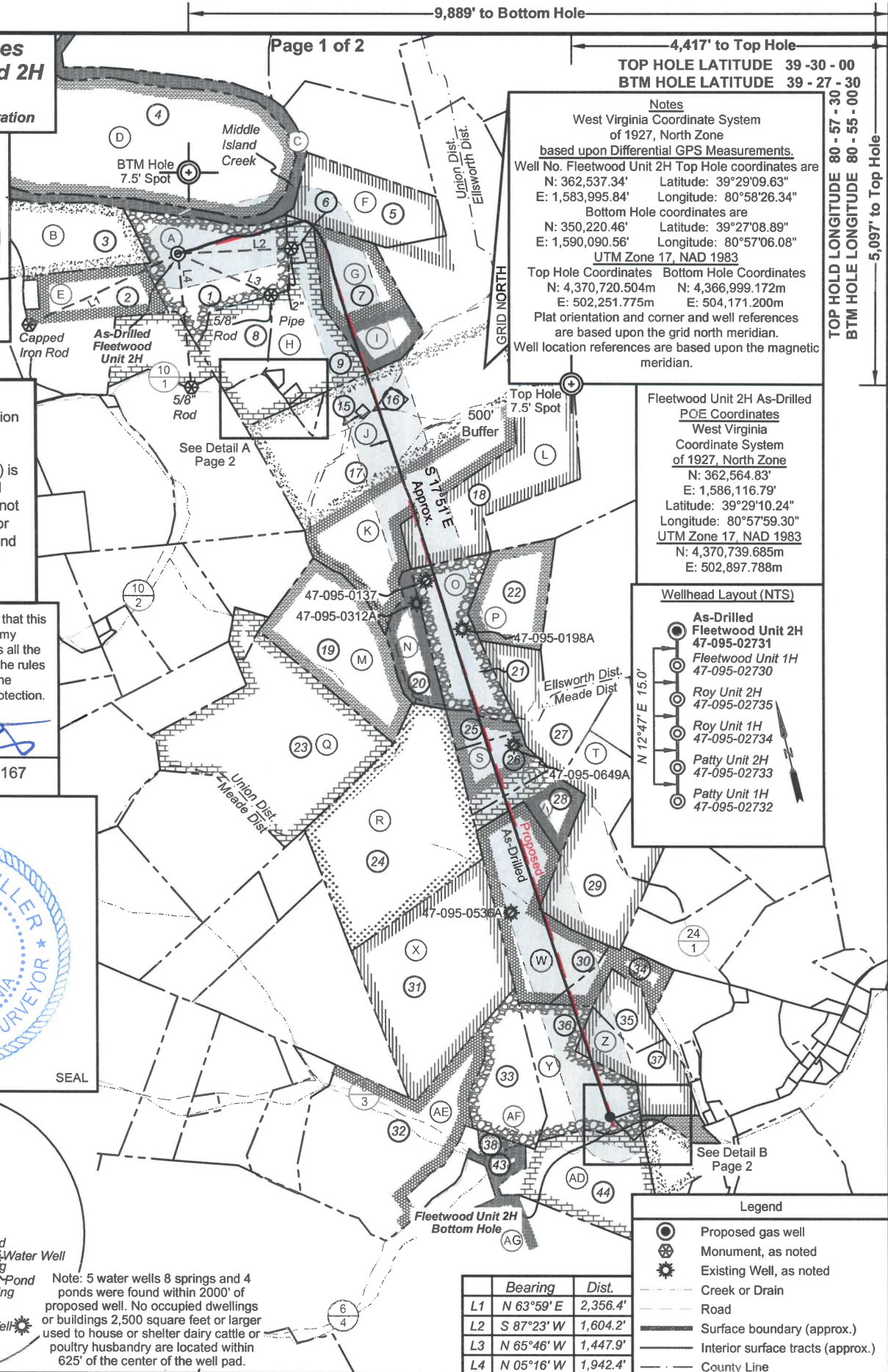
Top Hole Coordinates, As-drilled data, and information was provided by Antero Resources Corporation. Allegheny Surveys Inc. (ASI) is not certifying the data and information provided. ASI is not responsible for any errors or inaccuracies with the data and information that has been provided.

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



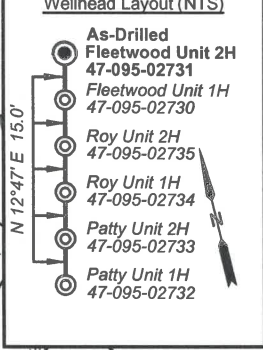
Note: 5 water wells 8 springs and 4 ponds were found within 2000' of proposed well. No occupied dwellings or buildings 2,500 square feet or larger used to house or shelter dairy cattle or poultry husbandry are located within 625' of the center of the well pad.



Bearing	Dist.
L1 N 63°59' E	2,356.4'
L2 S 87°23' W	1,604.2'
L3 N 65°46' W	1,447.9'
L4 N 05°16' W	1,942.4'

**Notes**  
 West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.  
 Well No. Fleetwood Unit 2H Top Hole coordinates are  
 N: 362,537.34' Latitude: 39°29'09.63"  
 E: 1,583,995.84' Longitude: 80°58'26.34"  
 Bottom Hole coordinates are  
 N: 350,220.46' Latitude: 39°27'08.89"  
 E: 1,590,090.56' Longitude: 80°57'06.08"  
 UTM Zone 17, NAD 1983  
 Top Hole Coordinates Bottom Hole Coordinates  
 N: 4,370,720.504m N: 4,366,999.172m  
 E: 502,251.775m E: 504,171.200m  
 Plat orientation and corner and well references are based upon the grid north meridian.  
 Well location references are based upon the magnetic meridian.

**Fleetwood Unit 2H As-Drilled POE Coordinates**  
 West Virginia Coordinate System of 1927, North Zone  
 N: 362,564.83'  
 E: 1,586,116.79'  
 Latitude: 39°29'10.24"  
 Longitude: 80°57'59.30"  
 UTM Zone 17, NAD 1983  
 N: 4,370,739.685m  
 E: 502,897.788m



**Legend**

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

FILE NO: 204-54-E-19  
 DRAWING NO: Fleetwood Unit 2H As-Drilled  
 SCALE: 1" = 2000'  
 MINIMUM DEGREE OF ACCURACY: Submeter  
 PROVEN SOURCE OF ELEVATION: WVDOT, Harrisville, WV

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

DATE: November 11 2021  
 OPERATOR'S WELL NO. Fleetwood 2H  
 API WELL NO  
 47 - 095 - 02731  
 STATE COUNTY PERMIT

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

LOCATION: ELEVATION: As-Built 883' WATERSHED: Outlet Middle Island Creek QUADRANGLE: Middlebourne  
 DISTRICT: Ellsworth/Union/Meade COUNTY: Tyler 60.38; 50; 26; 107.929; 13; 126.125; 60; 186.008; 43.46; 24; 140; 13; 93.234; 51; 81.74124;  
 SURFACE OWNER: Antero Resources Corp. Danny J. Nagle, et ux; Richard B. Stender, et ux; Recol, Inc. ACREAGE: 60.38  
 ROYALTY OWNER: Berna J. Hammel; Leslie W. Potts; H3, LLC; J&N Management Enterprises, LLC; Charlotte A. Weisse; LEASE NO: ACREAGE: 51; 81.74124;  
 PROPOSED WORK:  DRILL  CONVERT  DRILL DEEPER  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  
 PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) As-Drilled 6,118' TVD  
 PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 19,657' 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

9,889' to Bottom Hole  
 4,417' to Top Hole  
 TOP HOLE LATITUDE 39-30-00  
 BTM HOLE LATITUDE 39-27-30  
 TOP HOLE LONGITUDE 80-57-30  
 BTM HOLE LONGITUDE 80-55-00  
 5,097' to Top Hole  
 2,136' to Bottom Hole

See Detail A Page 2

See Detail B Page 2

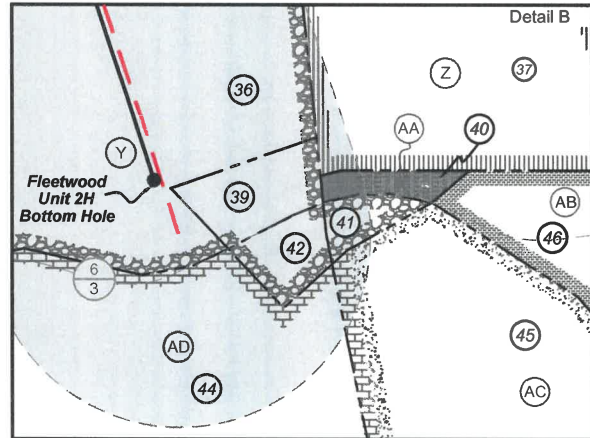
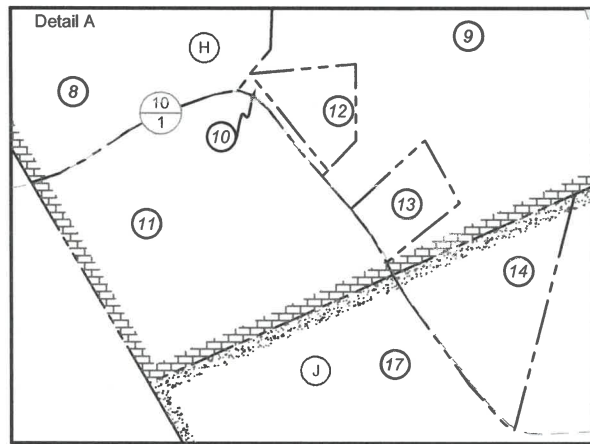


**Antero Resources**  
**Well No. Fleetwood 2H**  
**As-Drilled**  
 Antero Resources Corporation



Leases			
A	Berna J. Hammel	R	Joseph B. Thomas
B	Maurice C. Grove	S	Church of Christ
C	OPEN	T	Patricia Doty Thomas
D	OPEN	U	Donald E. Huffman
E	Sally & Mitchell Dunn	V	Richard C. Kratochvila, et ux
F	Leslie W. Potts	W	Four Leaf Land Company
G	H3 LLC	X	JayBee Production Co.
H	J&N Management Enterprises, LLC	Y	Danny J. Nagle, et ux
I	Joseph B. Thomas, et ux	Z	Richard B. Stender, et ux
J	Charlotte A. Weise	AA	Robert Kastigar, et ux
K	Lora Keller Thomas	AB	Kimberly Ruble
L	Nancy Jo & Jerry Allen Haught	AC	Dale V. Hadley
M	Joseph B. Thomas	AD	Charlotte M. Adams
N	Recol, Inc.	AE	Edwin Ernest Weber, Jr., et ux
O	Recol, Inc.		Heritage Resources-Marcus Minerals, LLC
P	Lisa Norman, et vir	AF	
Q	Everett Harris	AG	Jeffery S. Anderson, et ux

ID	TM/Par	Owner	Bk/Pg	Acres
1	10-4.1	Antero Resources Corporation	OR12/739	60.38
2	10-4	Kevin L. & Tammy J. Thomas	OR7/290	32.22
3	9-9.1	Jennifer K. & Diane M. Thomas	AR46/754	40.00
4	9-4	Steven D. Zechman & Linda M. Jensen	348/422	250.00
5	10-2	Mary Elizabeth Potts, et al	126/444	50.00
6	10-5.2	Rainelle M. Pratt, et al	WB56/619	1.01
7	10-3	Joseph B. & Melanie Thomas	173/503	39.00
8	10-5.5	Bowen Family Irrevocable Trust	372/303	22.89
9	10-5	Timothy Brian Bowen, et al	WB56/619	48.36
10	10-5.7	Carolyn S. Bowen	652/440	0.24
11	10-5.4	Richard Daniel Bowen	344/814	9.51
12	10-5.1	Carolyn S. Bowen	WB56/619	1.01
13	10-5.6	Rainelle M. Pratt, et al	530/391	1.00
14	10-10.3	Kenneth O. II & Patricia D. Thomas	345/550	3.08
15	10-12	Lora K. Thomas	168/77	0.51
16	10-10.2	Jon C. & Grace L. Thomas	331/772	2.00
17	10-10	Lora K. & Kenneth Thomas	201/359	307.06
18	19-46	Judy Rine, et al	WB29/643	60.00
19	14-4	Joseph Thomas	WB21/443	51.0
20	19-47	Sharon L. Bland	275/349	18.13
21	19-48	Sharon L. Bland	275/349	43.46
22	19-49	W. Clint Maxwell Estate	WB4/270	35.14
23	14-2	Shirley J. Harris, et al	281/483	109.80
24	2-1	Joseph Ben Thomas	155/439	117.01
25	2-2.2	Mary S. Cline & Kathy A. Lancaster	352/380	8.00
26	2-2	Kenneth & Brenda Lancaster	280/586	22.00
27	2-2.1	Patricia Doty Thomas	192/409	39.25
28	2-3	Richard C. & Laura J. Kratochvila	384/648	17.25
29	2-4.1	Patricia Doty Thomas	316/222	62.00
30	2-12	Richard & Jaura J. Kratochvila	384/648	93.24
31	2-11	Edwin E. Jr. & Kathleen F. Weber	355/268	97.90
32	2-43	Edwin E., Jr. & Kathleen F. Weber	294/578	100.50
33	2-36.1	Orval J. & Flora A. Sizemore	255/51	33.31
34	2-12.1	Richard B. & Nancy L. Stender	359/162	16.16
35	2-31	Richard B. & Nancy L. Stender	359/162	20.00
36	2-36.2	Robert & Sharon Kastigar	232/369	44.21
37	2-30.1	Richard B. & Nancy L. Stender	359/162	31.00
38	2-38	Jason A. Hickman	572/842	2.36
39	2-35	Robert & Sharon Kastigar	243/379	2.00
40	2-28	Robert & Sharon Kastigar	243/379	0.50
41	2-34	Church of Christ	137/498	1.00
42	2-36	David E. & Debra K. Haught	390/588	0.91
43	2-40	Jeffrey S. & Sharon D. Anderson	343/419	54.00
44	2-37	Rhudel V. III & Suzanne W. Burgee	338/30	56.00
45	2-30	Arthur R. Davis III	375/634	10.50
46	2-32	Kimberly Ruble	WB27/601	5.00



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ADDRESS: 1615 Wynkoop Street ADDRESS: 5400 D Big Tyler Road

Denver, CO 80202 Charleston, WV 25313