

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

API 47 - 095 - 02816 County Tyler District Meade
Quad TH: Bens Run BH: Middlebourne Pad Name Wrigley Field/Pool Name -----
Farm name Shirley J. Wells & Suise Cunningham Well Number Trunk 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 4363525.602m Easting 499382.789m
Landing Point of Curve Northing 4363272.72m Easting 498737.40m
Bottom Hole Northing 4359511.346m Easting 500071.342m

Elevation (ft) 937' 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 8/30/2022 Date drilling commenced 12/15/2022 Date drilling ceased 3/13/2023
Date completion activities began 4/20/2023 Date completion activities ceased 5/28/2023
Verbal plugging (Y/N) N/A Date permission granted N/A Granted by N/A **RECEIVED**
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Please note: Operator is required to submit a plugging application within 5 days of verbal permission to plug **AUG 21 2023**

Freshwater depth(s) ft 397' Open mine(s) (Y/N) depths No
Salt water depth(s) ft 1436, 1847' 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]
02/09/2024
1275 63

API 47-095 - 02816 Farm name Shirley J. Wells & Suise Cunningham Well number Trunk 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"	130'	New	91.59#, J-55	N/A	Y
Surface	17-1/2"	13-3/8"	627'	New	54.5#, J-55	N/A	Y
Coal							
Intermediate 1	12-1/4"	9-5/8"	3478'	New	36#, J-55	N/A	Y
Intermediate 2							
Intermediate 3							
Production	8-3/4"/8-1/2"	5-1/2"	20237'	New	23#, P-110-ICY	N/A	Y
Tubing		2-3/8"	6606'		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	202 sx	15.6	1.18	238	0'	8 Hrs.
Surface	Class A	555 sx	8.6	1.16	644	0'	8 Hrs.
Coal							
Intermediate 1	Class A	1230 sx	8.33	1.16	1427	0'	8 Hrs.
Intermediate 2							
Intermediate 3							
Production	Class H	2950 sx (Lead)	5.2	1.28 (Lead)	3776	~500' into Intermediate Casing	8 Hrs.
Tubing							

Drillers TD (ft) 20237 MD, 6217' TVD (BHL), 6217' (Deepest Point Drilled) Loggers TD (ft) 20237 MD
 Deepest formation penetrated Marcellus Plug back to (ft) N/A
 Plug back procedure N/A

Kick off depth (ft) 5797'

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

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WAS WELL COMPLETED AS SHOT HOLE Yes No DETAILS _____

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WAS WELL COMPLETED OPEN HOLE? Yes No DETAILS _____

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

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API 47- 095 - 02816 Farm name Shirley J. Wells & Suisse Cunningham Well number Trunk Unit 2H

PERFORATION RECORD

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

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)
*PLEASE SEE ATTACHED EXHIBIT 2								
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Please insert additional pages as applicable.

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PRODUCING FORMATION(S)	DEPTHS		
<u>Marcellus</u>	<u>6023' (TOP)</u>	<u>TVD</u>	<u>6761' (TOP)</u> MD

Please insert additional pages as applicable.

GAS TEST Build up Drawdown Open Flow OIL TEST Flow Pump

SHUT-IN PRESSURE Surface 1845 psi Bottom Hole --- psi DURATION OF TEST --- hrs

OPEN FLOW Gas 14423 mcfpd Oil 257 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 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					

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Please insert additional pages as applicable.

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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 Carly Marvel Telephone 303-357-7373
Signature Carly Marvel Title Permitting Agent Date 8/11/2023

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

02/09/2024

Exhibit 1

Stage No.	Perforation Date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formations
1	4/20/2023	20119	20075	60	Marcellus
2	4/20/2023	20037.51515	19872.0909	60	Marcellus
3	4/20/2023	19836.60606	19671.1818	60	Marcellus
4	4/21/2023	19635.69697	19470.2727	60	Marcellus
5	4/21/2023	19434.78788	19269.3636	60	Marcellus
6	4/21/2023	19233.87879	19068.4545	60	Marcellus
7	4/22/2023	19032.9697	18867.5455	60	Marcellus
8	4/22/2023	18832.06061	18666.6364	60	Marcellus
9	4/22/2023	18631.15152	18465.7273	60	Marcellus
10	4/22/2023	18430.24242	18264.8182	60	Marcellus
11	4/23/2023	18229.33333	18063.9091	60	Marcellus
12	4/23/2023	18028.42424	17863	60	Marcellus
13	4/24/2023	17827.51515	17662.0909	60	Marcellus
14	4/24/2023	17626.60606	17461.1818	60	Marcellus
15	4/24/2023	17425.69697	17260.2727	60	Marcellus
16	4/24/2023	17224.78788	17059.3636	60	Marcellus
17	4/25/2023	17023.87879	16858.4545	60	Marcellus
18	4/25/2023	16822.9697	16657.5455	60	Marcellus
19	4/25/2023	16622.06061	16456.6364	60	Marcellus
20	4/25/2023	16421.15152	16255.7273	60	Marcellus
21	4/26/2023	16220.24242	16054.8182	60	Marcellus
22	4/26/2023	16019.33333	15853.9091	60	Marcellus
23	4/26/2023	15818.42424	15653	60	Marcellus
24	4/27/2023	15617.51515	15452.0909	60	Marcellus
25	4/27/2023	15416.60606	15251.1818	60	Marcellus
26	4/27/2023	15215.69697	15050.2727	60	Marcellus
27	4/27/2023	15014.78788	14849.3636	60	Marcellus
28	4/28/2023	14813.87879	14648.4545	60	Marcellus
29	4/28/2023	14612.9697	14447.5455	60	Marcellus
30	4/28/2023	14412.06061	14246.6364	60	Marcellus
31	4/28/2023	14211.15152	14045.7273	60	Marcellus
32	4/29/2023	14010.24242	13844.8182	60	Marcellus
33	4/29/2023	13809.33333	13643.9091	60	Marcellus
34	4/29/2023	13608.42424	13443	60	Marcellus
35	4/29/2023	13407.51515	13242.0909	60	Marcellus
36	4/30/2023	13206.60606	13041.1818	60	Marcellus
37	4/30/2023	13005.69697	12840.2727	60	Marcellus
38	4/30/2023	12804.78788	12639.3636	60	Marcellus
39	5/1/2023	12603.87879	12438.4545	60	Marcellus
40	5/1/2023	12402.9697	12237.5455	60	Marcellus
41	5/1/2023	12202.06061	12036.6364	60	Marcellus
42	5/1/2023	12001.15152	11835.7273	60	Marcellus
43	5/2/2023	11800.24242	11634.8182	60	Marcellus
44	5/2/2023	11599.33333	11433.9091	60	Marcellus
45	5/2/2023	11398.42424	11233	60	Marcellus
46	5/2/2023	11197.51515	11032.0909	60	Marcellus
47	5/3/2023	10996.60606	10831.1818	60	Marcellus
48	5/3/2023	10795.69697	10630.2727	60	Marcellus
49	5/3/2023	10594.78788	10429.3636	60	Marcellus
50	5/3/2023	10393.87879	10228.4545	60	Marcellus
51	5/4/2023	10192.9697	10027.5455	60	Marcellus
52	5/4/2023	9992.060606	9826.63636	60	Marcellus
53	5/4/2023	9791.151515	9625.72727	60	Marcellus
54	5/4/2023	9590.242424	9424.81818	60	Marcellus
55	5/5/2023	9389.333333	9223.90909	60	Marcellus
56	5/5/2023	9188.424242	9023	60	Marcellus
57	5/5/2023	8987.515152	8822.09091	60	Marcellus
58	5/5/2023	8786.606061	8621.18182	60	Marcellus
59	5/5/2023	8585.69697	8420.27273	60	Marcellus
60	5/6/2023	8384.787879	8219.36364	60	Marcellus
61	5/6/2023	8183.878788	8018.45455	60	Marcellus
62	5/6/2023	7982.969697	7817.54545	60	Marcellus
63	5/7/2023	7782.060606	7616.63636	60	Marcellus
64	5/7/2023	7581.151515	7415.72727	60	Marcellus
65	5/7/2023	7380.242424	7214.81818	60	Marcellus
66	5/7/2023	7179.333333	7013.90909	60	Marcellus
67	5/7/2023	6978.424242	6813	60	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 (bbls)	Amount of Nitrogen/ other (units)
1	4/20/2023	78.9	8508	7158	3902	177820	4843.74476	N/A
2	4/20/2023	85.8	9517	4972	4198	414140	7596.02262	N/A
3	4/20/2023	91.6	10024	6080	4048	416208	7488.40548	N/A
4	4/21/2023	89.2	9971	5515	4100	417990	7170.38738	N/A
5	4/21/2023	84.9	9542	5281	4052	395960	6917.32214	N/A
6	4/21/2023	92.1	10165	5675	4805	416210	7163.72738	N/A
7	4/22/2023	92.0	10010	5512	4348	420990	7184.45571	N/A
8	4/22/2023	92.8	10183	5701	3679	418620	7178.9781	N/A
9	4/22/2023	89.0	9910	4936	4963	412090	7007.93571	N/A
10	4/22/2023	92.5	10046	6623	3645	417636	7160.67429	N/A
11	4/23/2023	94.5	9851	5984	3419	403350	7087	N/A
12	4/23/2023	88.4	9382	5240	3409	397540	7006.57929	N/A
13	4/24/2023	85.5	9145.34	5145.58	3577.691	410720	7154.08167	N/A
14	4/24/2023	86.3	9011	5855	3941	394820	7114.15738	N/A
15	4/24/2023	85.4	8777	5280	4312	416830	7410.07167	N/A
16	4/24/2023	81.6	8748	8085	3790	404030	7057.39452	N/A
17	4/25/2023	80.1	8898	5770	3658	418440	7184.18857	N/A
18	4/25/2023	88.7	9317	4836	4094	417180	7043.6969	N/A
19	4/25/2023	82.1	8371	5349	3553	398360	6967.17619	N/A
20	4/25/2023	82.4	8121	5208	3701	393730	6970.36524	N/A
21	4/26/2023	82.7	8016	4554	3473	408530	7065.75595	N/A
22	4/26/2023	84.2	8183	5277	3777	417570	7106.23905	N/A
23	4/26/2023	84.0	8310	5115	4493	395290	6863.66452	N/A
24	4/27/2023	85.4	8181	4316	3906	397740	6948.98548	N/A
25	4/27/2023	87.8	8345	4907	4336	399860	7049.28024	N/A
26	4/27/2023	86.4	8036	5210	3928	400350	6933.27262	N/A
27	4/27/2023	84.1	7659	4215	3965	416000	7254.71405	N/A
28	4/28/2023	83.4	7737	4406	3722	395000	7016.33476	N/A
29	4/28/2023	87.3	7881	8154	3910	397170	6822.13738	N/A
30	4/28/2023	89.8	8021	5714	3712	416180	7749.54976	N/A
31	4/28/2023	84.7	7713	3699	3654	413480	7587.33095	N/A
32	4/29/2023	85.8	7479	4500	3737	401660	8320.21643	N/A
33	4/29/2023	88.6	7769	5532	3966	411830	6941.71738	N/A
34	4/29/2023	88.9	7754	3711	3980	397080	6832.80643	N/A
35	4/29/2023	84.8	7520	5468	3594	415140	7238.14071	N/A
36	4/30/2023	84.8	7471	5553	3742	393060	7103.89262	N/A
37	4/30/2023	87.6	7533	5145	3535	409380	6974.22571	N/A
38	4/30/2023	90.8	7629	3584	3926	407470	7882.2919	N/A
39	5/1/2023	82.8	7348	5101	3679	413370	6815.22667	N/A
40	5/1/2023	84.1	7217	5043	4750	396078	6844.355	N/A
41	5/1/2023	88.4	7583	3230	3872	400970	6688.71833	N/A
42	5/1/2023	87.6	7602	5392	3822	392340	6689.06619	N/A
43	5/2/2023	82.6	7083	5068	3591	414370	7046.86571	N/A
44	5/2/2023	88.2	7387	5563	3442	416800	7138.07405	N/A
45	5/2/2023	89.0	7339	3992	3192	412460	7338.47476	N/A
46	5/2/2023	87.1	7299	5320	3717	408700	6817.11857	N/A
47	5/3/2023	87.4	6975	5030	3493	409980	6858.90119	N/A
48	5/3/2023	88.5	7153	5665	3423	404560	6853.17024	N/A
49	5/3/2023	88.2	7199	3767	3391	412970	6908.705	N/A
50	5/3/2023	87.3	7175	4137	3208	406330	6784.53524	N/A
51	5/4/2023	87.9	7118	4057	3465	409750	6996.06262	N/A
52	5/4/2023	93.5	7261	5384	3553	415080	6922.76619	N/A
53	5/4/2023	90.3	7053	5590	3851	404210	6980.99	N/A
54	5/4/2023	88.5	7109	4123	3759	410850	6639.38333	N/A
55	5/5/2023	89.4	7096	4747	3658	412480	6953.01095	N/A
56	5/5/2023	90.2	7056	4913	3496	406120	6758.12786	N/A
57	5/5/2023	89.9	6882	5013	3525	409470	6727.55762	N/A
58	5/5/2023	86.5	6753	6374	3459	414460	6902.82429	N/A
59	5/5/2023	88.6	6804	4347	3753	414910	6805.94238	N/A
60	5/6/2023	87.8	6662	5165	3773	408500	6843.78214	N/A
61	5/6/2023	89.9	6621	5232	3365	411410	6733.55048	N/A
62	5/6/2023	88.9	6531	3723	5302	399690	6729.65595	N/A
63	5/7/2023	88.4	6699	4549	3635	399960	6666.31238	N/A
64	5/7/2023	88.3	6518	5180	3308	400740	6633.99524	N/A
65	5/7/2023	89.4	6620	5300	3238	401680	6693.98476	N/A
66	5/7/2023	89.5	6552	5436	3519	400800	6708.83929	N/A
67	5/7/2023	89.8	6379	5594	2842	413040	6978.655	N/A
	AVERAGE	87	7,937	5,154	3,786	27,077,532	468,856	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
Silty Sandstone	120	220	120	220
Sandy Siltstone	220	420	220	420
Sandstone, tr Siltstone	420	720	420	720
Sandy Siltstone	570	770	570	770
Sandstone	720	770	720	770
Sandstone, com LS	770	820	770	820
Silty Sandstone	820	870	820	870
Sandy Siltstone	870	1,070	870	1,070
Sandstone, rr Siltstone	1,070	1,370	1,070	1,370
Silty Sandstone, tr imb pyr	1,370	1,420	1,370	1,420
Silty Sandstone, com coal	1,420	1,570	1,420	1,570
Sandstone	1,570	1,620	1,570	1,620
Silty Sandstone	1,620	1,670	1,620	1,670
Sandstone, tr Coal	1,670	1,720	1,670	1,720
Silty Sandstone	1,720	1,747	1,720	1,788
Big Lime	1,777	2,516	1,788	2,659
Fifty Foot Sandstone	2,516	2,595	2,629	2,748
Gordon	2,595	2,795	2,718	2,971
Fifth Sandstone	2,795	3,184	2,941	3,402
Bayard	3,184	3,768	3,372	4,065
Speechley	3,768	4,059	4,035	4,395
Balltown	4,059	4,397	4,365	4,770
Bradford	4,397	4,688	4,740	5,098
Benson	4,688	5,004	5,068	5,456
Alexander	5,004	5,953	5,426	6,580
Sycamore	5,830	5,923	6,411	6,550
Middlesex	5,923	6,001	6,550	6,703
Burkett	6,001	6,023	6,703	6,761
Tully	N/A	N/A	N/A	N/A
Marcellus	6,023	N/A	6,761	N/A

*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.

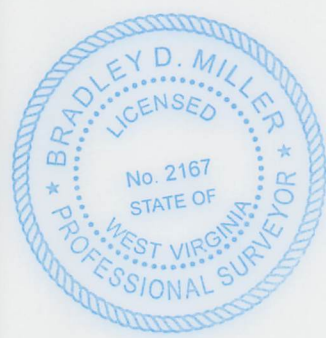
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**Antero Resources
Well No. Trunk 2H
As-Drilled**
Antero Resources Corporation



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

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.

Note: 8 water wells 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.

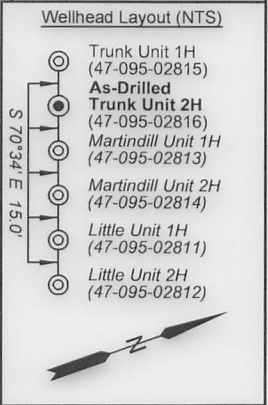


Legend	
	As-Drilled gas well
	Monument, as noted
	Existing Well, as noted
	Digitized Well, as noted
	Creek or Drain
	Road
	Surface boundary (approx.)
	Interior surface tracts (approx.)
	County Line

11,591' to Bottom Hole
2,073' to Top Hole
TOP HOLE LATITUDE 39 - 27 - 30
BTM HOLE LATITUDE 39 - 25 - 00

Notes
West Virginia Coordinate System of 1927, North Zone
based upon Differential GPS Measurements.
Well No. Trunk Unit 2H Top Hole coordinates are
N: 339,084.69' Latitude: 39°25'16.25"
E: 1,574,186.94' Longitude: 81°00'26.42"
Bottom Hole coordinates are
N: 325,874.10' Latitude: 39°23'06.03"
E: 1,576,226.48' Longitude: 80°59'57.62"
UTM Zone 17, NAD 1983
Top Hole Coordinates Bottom Hole Coordinates
N: 4,363,525.602m N: 4,359,511.346m
E: 499,382.789m E: 500,071.342m
Plat orientation and corner and well references are based upon the grid north meridian.
Well location references are based upon the magnetic meridian.

Trunk Unit 2H As-Drilled POE Coordinates
West Virginia Coordinate System of 1927, North Zone
N: 338,632.29'
E: 1,572,011.38'
Latitude: 39°25'11.41"
Longitude: 81°00'54.04"
UTM Zone 17, NAD 1983
N: 4,363,376.700m
E: 498,722.307m



	Bearing	Dist.
L1	S 78°13' E	2,406.3'
L2	S 07°34' W	1,439.0'
L3	N 20°43' W	1,833.4'
L4	N 54°51' E	1,697.4'

FILE NO: 195-51-U-21
DRAWING NO: Trunk 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: August 17 2023
OPERATOR'S WELL NO. Trunk Unit 2H
API WELL NO
47 - 095 - 02816
STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
LOCATION: ELEVATION: As-Built: 937' WATERSHED: Outlet Middle Island Creek QUADRANGLE: TH:Bens Run BH:Middlebourne
DISTRICT: Meade COUNTY: Tyler
SURFACE OWNER: Shirley J. Wells & Glen Milton Evans, Jr.; JayBee Production Company; B&A Family LP; ACREAGE: 53.85
ROYALTY OWNER: Suise Cunningham Richard L. Gorrell, et ux; Wilma J. Monroe; Kenneth G. Hall; William H. Jemison; ACREAGE: 13.85; 65; 40; 112; 20; 89.11; 5.89375;
LEASE NO: Greenbrier Royalty Fund II, LLC; Janelle Sue Perkins; Bradley William Poch; LEASE NO: 26.864; 133.25; 41;
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: 6,217' TVD 20,237' MD

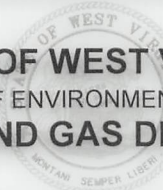
WELL OPERATOR: Antero Resources Corporation DESIGNATED AGENT: Kevin Ellis
ADDRESS: 1615 Wynkoop Street ADDRESS: 535 White Oaks Blvd.
Denver, CO 80202 Bridgeport, WV 26330



Leases	
A	Greenbrier Royalty Fund II, LLC
B	Antero Minerals, LLC
C	Janelle Sue Perkins
D	Bradley William Poch
E	Mary C. Robinson Living Trust
F	Inex B. Fletcher, et vir
G	Timothy Bryant Perkins
H	Greenbrier Royalty Fund II, LLC
I	EE Bonner, et ux
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Y	Ronald L. Simmons
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ID	TM/Par	Owner	Bk/Pg	Acres
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3	12-17	Cecil E. & Betty J. Hamilton	269/58	32.38
4	7-8	John Wells	428/412	52.39
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13	10-33	Jason A. & Melissa K. Braham	430/493	0.27
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21	10-28	Ronald L. Simmons	340/784	42.04
22	10-21	Robert Lee & Suzanne B. Evans	329/172	81.13

FILE NO: 195-51-U-21
 DRAWING NO: Trunk 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: August 17 2023
 OPERATOR'S WELL NO. Trunk Unit 2H
API WELL NO
 47 — 095 — 02816
 STATE COUNTY PERMIT

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 (IF GAS) PRODUCTION: STORAGE DEEP SHALLOW

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 Outlet: BH: Middlebourne
 DISTRICT: Meade COUNTY: Tyler
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 Suise Cunningham; Inex B. Fletcher, et vir; Timothy Bryant Perkins; EE Bonner, et ux; Robert Carl Anderson; 13.85; 65; 40; 112;
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 20,237' MD

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 ADDRESS: 1615 Wynkoop Street ADDRESS: 535 White Oaks Blvd.
 Denver, CO 80202 Bridgeport, WV 26330

11,591' to Bottom Hole

2,073' to Top Hole

Page 1 of 2

TOP HOLE LATITUDE 39 - 27 - 30
BTM HOLE LATITUDE 39 - 25 - 00

TOP HOLE LONGITUDE 81 - 00 - 00
BTM HOLE LONGITUDE 80 - 57 - 30

11,531' to Bottom Hole
13,533' to Top Hole

Antero Resources
Well No. Trunk 2H
As-Drilled
Antero Resources Corporation

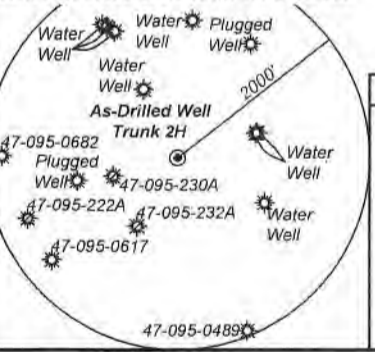


I, the undersigned, hereby certify that this plat is correct to the best of my knowledge and belief and shows all the information required by law and the rules issued and prescribed by the Department of Environmental Protection.

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

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.

Note: 8 water wells 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.

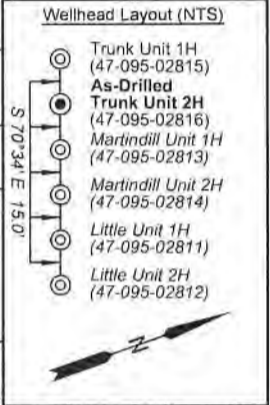


Legend

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

Notes
West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.
Well No. Trunk Unit 2H Top Hole coordinates are
N: 339,084.69' Latitude: 39°25'16.25"
E: 1,574,186.94' Longitude: 81°00'26.42"
Bottom Hole coordinates are
N: 325,874.10' Latitude: 39°23'06.03"
E: 1,576,226.48' Longitude: 80°59'57.62"
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STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS DIVISION

DATE: August 17 20 23
OPERATOR'S WELL NO. Trunk Unit 2H
API WELL NO
47 - 095 - 02816
STATE COUNTY PERMIT

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Denver, CO 80202 Bridgeport, WV 26330



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STATE OF WEST VIRGINIA
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OIL AND GAS DIVISION

DATE: August 17 2023
 OPERATOR'S WELL NO. Trunk Unit 2H
 API WELL NO
47 — 095 — 02816
 STATE COUNTY PERMIT

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Denver, CO 80202 Bridgeport, WV 26330

Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	4/20/2023
Job End Date:	5/7/2023
State:	West Virginia
County:	Tyler
API Number:	47-095-02816-00-00
Operator Name:	Antero Resources Corporation
Well Name and Number:	Wrigley Trunk 2H
Latitude:	39.42125600
Longitude:	-81.00717300
Datum:	WGS84
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	6,215
Total Base Water Volume (gal):	20,600,164
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	86.77900	Density = 8.80
Ingredients	Listed Above	Listed Above					
			Water	7732-18-5	100.00000	0.21934	

SR

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 AUG 21 2023
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MC B-8614A	MultiChem	Biocide					
				Listed Below			
LCA-1	Halliburton	Solvent					
				Listed Below			
OPTIFLO-II DELAYED RELEASE BREAKER	Halliburton	Breaker					
				Listed Below			
Sand-Common White-100 Mesh, SSA-2	Halliburton	Proppant					
				Listed Below			
HAI-501	Halliburton	Acid Corrosion Inhibitor					
				Listed Below			
HYDROCHLORI C ACID, 22 BAUME	Halliburton	Solvent					
				Listed Below			
FDP-S1464-22	Halliburton	Friction Reducer					
				Listed Below			
WG-36 GELLING AGENT	Halliburton	Gelling Agent					
				Listed Below			

W. Department of
 Environmental Protection

AUG 21 2023

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Excelerate LX-15	Halliburton	Friction Reducer					
				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	12.96199	
			Hydrochloric acid	7647-01-0	30.00000	0.05328	
			Complex amine compound	Proprietary	60.00000	0.02111	
			Guar gum	9000-30-0	100.00000	0.01597	
			Complex Amine Compound	Proprietary	60.00000	0.01266	
			Hydrotreated distillate	Proprietary	30.00000	0.01055	
			Hydrotreated light petroleum distillate	64742-47-8	30.00000	0.00633	
			Glutaraldehyde	111-30-8	30.00000	0.00239	
			Fatty nitrogen derived amides	Proprietary	5.00000	0.00176	
			Ammonium chloride	12125-02-9	5.00000	0.00176	
			Ethoxylated alcohol	Proprietary	5.00000	0.00176	
			Sorbitan, mono-9-octadecenoate, (Z)	1338-43-8	5.00000	0.00141	
			Surfactant	Proprietary	5.00000	0.00106	
			Hydrotreated distillate	Proprietary	100.00000	0.00053	
			Alkyl (C12-16) dimethylbenzyl ammonium chloride	68424-85-1	5.00000	0.00040	
			Ammonium persulfate	7727-54-0	100.00000	0.00037	
			Sorbitan monooleate polyoxyethylene derivative	9005-65-6	1.00000	0.00035	
			Methanol	67-56-1	100.00000	0.00033	
			Ethoxylated alcohols	Proprietary	5.00000	0.00023	
			Organic chloride compound	Proprietary	1.00000	0.00021	
			Alkoxylated polyhydric alcohol	Proprietary	1.00000	0.00021	

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			Oxylated phenolic resin	Proprietary	30.00000	0.00011	
			Mixture of dimer and trimer fatty acids of indefinite composition derived from tall oil	61790-12-3	30.00000	0.00010	
			Modified thiourea polymer	Proprietary	30.00000	0.00010	
			Ethanol	64-17-5	1.00000	0.00008	
			Propargyl alcohol	107-19-7	5.00000	0.00002	
			Hexadecene	629-73-2	5.00000	0.00002	
			C.I. pigment Orange 5	3468-63-1	1.00000	0.00000	
			Acrylamide	79-06-1	0.01000	0.00000	
			Organic salt #1	Proprietary	0.01000	0.00000	
			Formaldehyde	50-00-0	0.01000	0.00000	
			Nitrated acetate salt	Proprietary	0.01000	0.00000	
			Organic salt #2	Proprietary	0.01000	0.00000	
			Sodium hydroxide	1310-73-2	0.01000	0.00000	
			Sodium glycolate	2836-32-0	0.01000	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(f) and Appendix D are obtained from suppliers Material Safety Data Sheets (MSDS)

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