

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

API 47-095-02654 County Tyler District McElroy
Quad Shirley 7.5' Pad Name Colorado East Pad Field/Pool Name ----
Farm name Antero Resources Corporation Well Number Stampede 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 331506m Easting 1635976m
Landing Point of Curve Northing 4359572.73m Easting 518216.64m
Bottom Hole Northing 321070m Easting 1637080m

Elevation (ft) 743' 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 9/16/2019 Date drilling commenced 11/19/2019 Date drilling ceased 2/6/2020
Date completion activities began 4/28/2020 Date completion activities ceased 5/21/2020
Verbal plugging (Y/N) N/A Date permission granted N/A Granted by N/A Office of Oil and Gas

Please note: Operator is required to submit a plugging application within 5 days of verbal permission to plug

Freshwater depth(s) ft 235', 241', 298' Open mine(s) (Y/N) depths No
Salt water depth(s) ft 970' Void(s) encountered (Y/N) depths No
Coal depth(s) ft None Identified Cavern(s) encountered (Y/N) depths No
Is coal being mined in area (Y/N) No

Reviewed by: ACB
Reviewed 5/21/2021
06/25/2021

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API 47-095 - 02654 Farm name Antero Resources Corporation Well number Stampede 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	24"	20"	105'	New	94#, H-40	N/A	Y
Surface	17-1/2"	13-3/8"	430'	New	54.5#, J-55	N/A	Y
Coal							
Intermediate 1	12-1/4"	9-5/8"	2718'	New	36#, J-55	N/A	Y
Intermediate 2							
Intermediate 3							
Production	8-3/4"/8-1/2"	5-1/2"	17315'	New	23#, HCP-110	N/A	Y
Tubing		2-3/8"	6994'		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	204 sx	15.6	1.18	241	0'	8 Hrs.
Surface	Class A	373 sx	15.6	1.20	635	0'	8 Hrs.
Coal							
Intermediate 1	Class A	918 sx	15.6	1.19	1082	0'	8 Hrs.
Intermediate 2							
Intermediate 3							
Production	Class H	792 sx (Lead) 2562 sx (Tail)	14.5 (Lead), 15.2(Tail)	1.4 (Lead), 1.6 (Tail)	3003	-500' Into Intermediate Casing	8 Hrs.
Tubing							

Drillers TD (ft) 17335' MD, 6412' TVD (BHL), 6419' (Deepest Point Drilled) Loggers TD (ft) 17335' MD
 Deepest formation penetrated Marcellus Plug back to (ft) N/A
 Plug back procedure N/A

Kick off depth (ft) 5975'

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

API 47- 095 - 02654 Farm name Antero Resources Corporation Well number Stampede Unit 1H

PRODUCING FORMATION(S)	DEPTHS		
	6336' (TOP)	TVD	7027' (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 94 mcfpd Oil 0 bpd NGL --- bpd Water 217 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 Patterson UTI
Address 1660 Wynkoop Street City Denver State CO Zip 80202

Logging Company Nine Energy Services
Address 6500 West Fwy City Fort Worth State TX Zip 76116

Cementing Company Schlumberger Oilfield Services
Address 300 Schlumberger Dr City Sugarland State TX Zip 77478

Stimulating Company Halliburton
Address 3000 W. Sam Houston Pkwy City Houston State TX Zip 76114

Please insert additional pages as applicable.

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Completed by Brandi Hankins Telephone 303-357-7223
Signature _____ Title Completions Technician Date _____ WV Department of Environmental Protection

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

06/25/2021

API 47-095-02654 Farm Name Antero Resources Corporation Well Number Stampede Unit 1H					
Stage No.	Perforation Date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formations
1	4/28/2020	17210.6	17166.9	60	Marcellus
2	4/29/2020	17129.29033	16963.242	60	Marcellus
3	4/29/2020	16927.63233	16761.584	60	Marcellus
4	4/29/2020	16725.97433	16559.926	60	Marcellus
5	4/30/2020	16524.31633	16358.268	60	Marcellus
6	4/30/2020	16322.65833	16156.61	60	Marcellus
7	4/30/2020	16121.00033	15954.952	60	Marcellus
8	5/1/2020	15919.34233	15753.294	60	Marcellus
9	5/1/2020	15717.68433	15551.636	60	Marcellus
10	5/1/2020	15516.02633	15349.978	60	Marcellus
11	5/2/2020	15314.36833	15148.32	60	Marcellus
12	5/2/2020	15112.71033	14946.662	60	Marcellus
13	5/2/2020	14911.05233	14745.004	60	Marcellus
14	5/3/2020	14709.39433	14543.346	60	Marcellus
15	5/3/2020	14507.73633	14341.688	60	Marcellus
16	5/3/2020	14306.07833	14140.03	60	Marcellus
17	5/3/2020	14104.42033	13938.372	60	Marcellus
18	5/4/2020	13902.76233	13736.714	60	Marcellus
19	5/4/2020	13701.10433	13535.056	60	Marcellus
20	5/4/2020	13499.44633	13333.398	60	Marcellus
21	5/5/2020	13297.78833	13131.74	60	Marcellus
22	5/5/2020	13096.13033	12930.082	60	Marcellus
23	5/5/2020	12894.47233	12728.424	60	Marcellus
24	5/6/2020	12692.81433	12526.766	60	Marcellus
25	5/6/2020	12491.15633	12325.108	60	Marcellus
26	5/6/2020	12289.49833	12123.45	60	Marcellus
27	5/6/2020	12087.84033	11921.792	60	Marcellus
28	5/7/2020	11886.18233	11720.134	60	Marcellus
29	5/7/2020	11684.52433	11518.476	60	Marcellus
30	5/7/2020	11482.86633	11316.818	60	Marcellus
31	5/7/2020	11281.20833	11115.16	60	Marcellus
32	5/8/2020	11079.55033	10913.502	60	Marcellus
33	5/8/2020	10877.89233	10711.844	60	Marcellus
34	5/8/2020	10676.23433	10510.186	60	Marcellus
35	5/9/2020	10474.57633	10308.528	60	Marcellus
36	5/9/2020	10272.91833	10106.87	60	Marcellus
37	5/9/2020	10071.26033	9905.212	60	Marcellus
38	5/10/2020	9869.602333	9703.554	60	Marcellus
39	5/10/2020	9667.944333	9501.896	60	Marcellus
40	5/10/2020	9466.286333	9300.238	60	Marcellus
41	5/10/2020	9264.628333	9098.58	60	Marcellus
42	5/11/2020	9062.970333	8896.922	60	Marcellus
43	5/11/2020	8861.312333	8695.264	60	Marcellus
44	5/11/2020	8659.654333	8493.606	60	Marcellus
45	5/11/2020	8457.996333	8291.948	60	Marcellus
46	5/12/2020	8256.338333	8090.29	60	Marcellus
47	5/12/2020	8054.680333	7888.632	60	Marcellus
48	5/12/2020	7853.022333	7686.974	60	Marcellus
49	5/12/2020	7651.364333	7485.316	60	Marcellus
50	5/13/2020	7449.706333	7283.658	60	Marcellus
51	5/13/2020	7248.048333	7082	60	Marcellus

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API 47-095-02654 Farm Name Antero Resources Corporation Well Number Stampede Unit 1H

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	4/28/2020	79.78	7769	6821	4020	163120	4698.952	N/A
2	4/29/2020	92.62	8396	6071	4519	406420	7198.119	N/A
3	4/29/2020	93.15	8354	5563	4447	405940	7167.905	N/A
4	4/29/2020	85.82	8450	5784	4461	406880	7124.976	N/A
5	4/30/2020	95.61	8315	5491	4659	407300	7219.024	N/A
6	4/30/2020	95.9	8428	5927	4583	405780	7179.952	N/A
7	4/30/2020	95.14	8478	6633	4923	409100	7142.619	N/A
8	5/1/2020	95.9	8477	6455	4835	407560	7288.738	N/A
9	5/1/2020	85.93	8344	5961	4391	408700	7108.548	N/A
10	5/1/2020	95.64	8572	5584	4616	406100	7125.952	N/A
11	5/2/2020	95.9	8645	5513	4410	409860	7193.048	N/A
12	5/2/2020	93.3	8377	4871	4682	407540	7094.905	N/A
13	5/2/2020	95.9	8654	5341	4531	409680	7070.881	N/A
14	5/3/2020	95.9	8556	5520	4107	407060	7060.095	N/A
15	5/3/2020	95.93	8527	4732	4330	407120	7081.286	N/A
16	5/3/2020	85.93	8054	5425	4287	408680	7031.119	N/A
17	5/3/2020	95.72	8488	5908	4359	406380	7037.571	N/A
18	5/4/2020	95.88	8470	5695	4340	404160	7019.167	N/A
19	5/4/2020	95.9	8455	5549	3921	406320	6988.833	N/A
20	5/4/2020	95.6	8467	5645	4384	406700	7032.81	N/A
21	5/5/2020	94.65	8299	5571	4247	405540	6904.881	N/A
22	5/5/2020	95.62	8226	6017	4226	406540	6988.952	N/A
23	5/5/2020	95.47	8482	6287	4603	406360	7001.881	N/A
24	5/6/2020	95.8	8369	5520	4475	409000	7018.381	N/A
25	5/6/2020	95.94	8419	6096	4514	407880	6943.429	N/A
26	5/6/2020	95.94	8391	6636	4486	404920	6824.524	N/A
27	5/6/2020	95.85	8267	5807	4357	408100	6837.381	N/A
28	5/7/2020	95.94	8343	8343	5215	405700	6851.857	N/A
29	5/7/2020	95.74	8164	6082	4529	407920	6807.548	N/A
30	5/7/2020	95.75	8078	5752	4721	405640	6826.5	N/A
31	5/7/2020	95.88	8441	5990	3655	407420	6906.643	N/A
32	5/8/2020	95.9	8439	5998	3973	406340	6855.833	N/A
33	5/8/2020	95.83	8423	5873	3929	403520	6793.69	N/A
34	5/8/2020	95.91	8298	5371	3782	403700	6781.524	N/A
35	5/9/2020	95.89	8388	5944	4021	409520	6850.405	N/A
36	5/9/2020	95.76	8194	6018	4016	405980	6794.69	N/A
37	5/9/2020	95.93	8174	5914	3939	409240	6849.405	N/A
38	5/10/2020	95.85	8060	6410	4146	405680	6884.952	N/A
39	5/10/2020	95.71	7983	5587	4100	406700	6725	N/A
40	5/10/2020	95.8	8022	5832	4094	405240	6793.238	N/A
41	5/10/2020	95.94	7933	6293	4050	406420	6794.595	N/A
42	5/11/2020	95.79	7838	5421	4321	406960	6719.024	N/A
43	5/11/2020	94.05	7683	5375	4459	406080	6751.619	N/A
44	5/11/2020	94.79	7685	5494	4235	407740	6723.524	N/A
45	5/11/2020	95.92	7849	5577	4389	406060	6755.69	N/A
46	5/12/2020	95.19	7713	5517	4497	407920	6788.952	N/A
47	5/12/2020	95.68	7694	5918	4465	407900	6698.571	N/A
48	5/12/2020	95.31	7614	5606	4319	408020	6760.357	N/A
49	5/12/2020	95.9	7475	5527	4303	409320	6755.31	N/A
50	5/13/2020	94.77	7360	5522	4441	408320	6771.762	N/A
51	5/13/2020	94.57	7557	6093	4407	406660	6679.119	N/A
AVG=		94	8,382	5,893	4,416	13,185,280	229,426	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
Shale	0	0	0	0
Silty sandstone	310	310	310	310
Shale	460	460	460	460
Silty Shale	700	700	700	700
Shale with interbedded limestone	820	820	820	820
Shale	850	850	850	850
Shale w/ trace coal	880	880	880	880
Shaley Sandstone	910	910	910	910
Shale	1,180	1,180	1,180	1,180
Sandstone w/ interbedded coals	1,240	1,240	1,240	1,240
Sandstone w/ trace coal	1,330	1,330	1,330	1,330
Sandstone	1,480	1,480	1,480	1,480
Shale	1,510	1,510	1,510	1,510
Big Lime	1,642	1,642	1,642	1,642
Fifty Foot Sandstone	2,352	2,352	2,352	2,352
Gordon	2,450	2,450	2,450	2,450
Fifth Sandstone	2,751	2,751	2,751	2,751
Bayard	2,791	2,791	2,791	2,791
Speechley	3,577	3,577	3,577	3,577
Balltown	3,781	3,781	3,781	3,781
Bradford	4,305	4,305	4,305	4,305
Benson	4,745	4,745	4,745	4,745
Alexander	4,991	4,991	4,991	4,991
Sycamore	5,971	5,971	5,971	5,971
Middlesex	6,129	6,129	6,129	6,129
Burkett	6,261	6,261	6,261	6,261
Tully	6,289	6,289	6,289	6,289
Marcellus	6,336	6,336	6,336	6,336

*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:	4/28/2020
Job End Date:	5/13/2020
State:	West Virginia
County:	Tyler
API Number:	47-095-02654-00-00
Operator Name:	Antero Resources Corporation
Well Name and Number:	Stampede 1H
Latitude:	39.40301000
Longitude:	-80.78826000
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	6,419
Total Base Water Volume (gal):	15,357,222
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 Mixture	Halliburton	Base Fluid					
			Water	7732-18-5	100.00000	86.24650	Density = 8.50
Ingredients	Listed Above	Listed Above					
			Water	7732-18-5	100.00000	0.17619	

MC B-8614	Halliburton	Biocide					
				Listed Below			
Sand-Common White-100 Mesh, SSA-2	Halliburton	Proppant					
				Listed Below			
WG-36 GELLING AGENT	Halliburton	Gelling Agent					
				Listed Below			
LD-2950	MultiChem	Friction Reducer					
				Listed Below			
Legend LD-2555	MultiChem	Additive					
				Listed Below			
Legend LD-2990	MultiChem	Friction Reducer					
				Listed Below			
HYDROCHLORIC ACID, 22 BAUME	Halliburton	Solvent					
				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	13.55296	
			Hydrochloric acid	7647-01-0	30.00000	0.03945	
			Complex Amine Compound	Proprietary	60.00000	0.01925	
			Hydrotreated light petroleum distillate	64742-47-8	30.00000	0.01504	
			Complex Amine Compound	Proprietary	60.00000	0.01083	
			Guar gum	9000-30-0	100.00000	0.00388	
			Glutaraldehyde	111-30-8	30.00000	0.00248	
			Polyethoxylated fatty amine salt	61791-26-2	30.00000	0.00190	
			Surfactant	Proprietary	5.00000	0.00160	
			Sorbitan, mono-9-octadecenoate, (Z)	1338-43-8	5.00000	0.00160	
			Ethoxylated alcohols	Proprietary	5.00000	0.00090	
			Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl chlorides	68424-85-1	5.00000	0.00041	
			Methanol	67-56-1	100.00000	0.00033	
			Ethoxylated alcohols	Proprietary	1.00000	0.00032	
			Alkoxylated polyhydric alcohol	Proprietary	1.00000	0.00032	
			Organic chloride compound	Proprietary	1.00000	0.00032	
			Poly(oxy-1,2-ethanediyl), alpha-tridecyl-omega-hydroxy-, branched	69011-36-5	1.00000	0.00018	
			Adipic acid	124-04-9	1.00000	0.00018	
			Ammonium persulfate	7727-54-0	100.00000	0.00018	
			Ethanol	64-17-5	1.00000	0.00008	

			Modified thiourea polymer	Proprietary	30.00000	0.00007	
			Mixture of dimer and trimer fatty acids of indefinite composition derived from tall oil	61790-12-3	30.00000	0.00007	
			Oxylated phenolic resin	Proprietary	30.00000	0.00005	
			Organic salt #1	Proprietary	0.10000	0.00003	
			Acrylamide	79-06-1	0.10000	0.00003	
			Propargyl alcohol	107-19-7	5.00000	0.00001	
			Hexadecene	629-73-2	5.00000	0.00001	
			Ethoxylated alcohols	Proprietary	5.00000	0.00001	
			Phosphoric acid	7664-38-2	0.10000	0.00001	
			Formaldehyde	50-00-0	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	
			Organic salt #3	Proprietary	0.01000	0.00000	
			Sodium glycollate	2836-32-0	0.01000	0.00000	
			C.I. pigment Orange 5	3468-63-1	1.00000	0.00000	
			Ethylene oxide	75-21-8	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(i) and Appendix D are obtained from suppliers Material Safety Data Sheets (MSDS)

LATITUDE 39°25'00"

10,811'

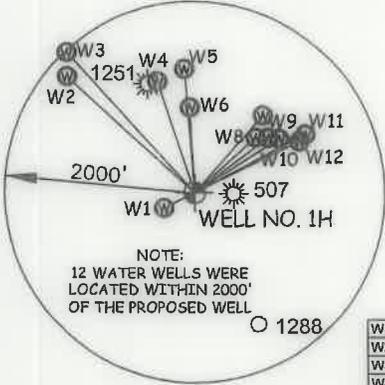
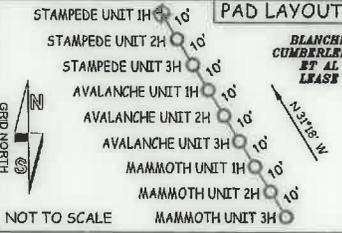
LATITUDE 39°22'30"

9,562' TO BOTTOM HOLE

Antero Resources Corporation Well No. Stampede Unit 1H

AS DRILLED DATA: WELL 1H TOP HOLE INFORMATION: N: 331,506ft E: 1,635,976ft ... WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH ZONE.

(NAD) 83 (UTM) ZONE 17 COORDS: WELL 1H TOP HOLE INFORMATION: N: 4,361,531m E: 518,246m ... BOTTOM HOLE INFORMATION: N: 4,358,358m E: 518,635m



NOTE: 12 WATER WELLS WERE LOCATED WITHIN 2000' OF THE PROPOSED WELL

Table with 3 columns: Well ID, Bearing, Distance. Lists wells W1 through W12 with their respective bearings and distances.

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 PERSCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.



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

WILLOW LAND SURVEYING PLLC 220 MASONIC AVE. PENNSBORO WEST VIRGINIA 26415

JOB # 19-001WA DRAWING # STAMPEDE1HAD SCALE 1" = 2000' MINIMUM DEGREE OF ACCURACY SUBMETER

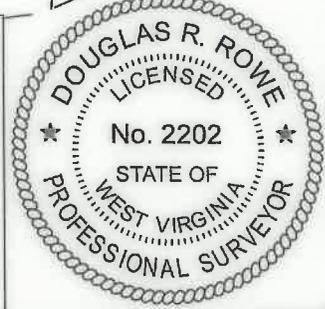
LEGEND: Surface Owner Boundary Lines +/- Interior Surface Tracts +/- Proposed Well Path As Drilled Well Path

DOUGLAS R. ROWE P.S. 2202

DATE 09/03/20

OPERATOR'S WELL # STAMPEDE UNIT #1H

- NOTE: 1. NO OCCUPIED DWELLINGS OR BUILDINGS TWO THOUSAND FIVE HUNDRED (2,500) SQUARE FEET OR LARGER USED TO HOUSE OR SHELTER DAIRY CATTLE OR POULTRY HUSBANDRY ARE LOCATED WITHIN SIX HUNDRED TWENTY-FIVE (625) FEET OF THE CENTER OF THE WELL PAD.



WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___ 47 - 095 - 026 (IF "GAS") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X STATE COUNTY PERMIT

SURFACE OWNER ANTERO RESOURCES CORPORATION ACREAGE 127.86 ACRES +/- LEASE ACREAGE 130 AC.±: 85 AC.±: 06/25/2021

OIL & GAS ROYALTY OWNER B.F. REED ET UX; KENNETH ORR ET AL; JACOB A. CUMBERLEDGE ET UX; GAY CUMBERLEDGE ET AL; FANNY D. DAVIS ET AL; ENID McCULLOUGH ET VIR; W.S. WRIGHT ET AL; JAMES B. FAHEY ET UX

PROPOSED WORK: DRILL ___ CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) AS DRILLED PLUG & ABANDON CLEAN OUT & REPLUG

TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,412' TVD 17,335' MD WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER - CT CORPORATION SYSTEM ADDRESS 1615 WYNKOOP ST. ADDRESS 5400 D BIG TYLER ROAD DENVER, CO 80202 CHARLESTON, WV 25313

McElroy District - Tyler County table listing well numbers, surface owners, and lease information.

217' TO BOTTOM HOLE LONGITUDE 80°45'00"

4,973'

LONGITUDE 80°45'00"

COUNTY NAME

PERMIT

LATITUDE 39°25'00"

10,811'

LATITUDE 39°22'30"

9,562' TO BOTTOM HOLE

Antero Resources Corporation Well No. Stampede Unit 1H

AS DRILLED DATA: WELL 1H TOP HOLE INFORMATION: N: 331,506ft E: 1,635,976ft ... BOTTOM HOLE INFORMATION: N: 321,070ft E: 1,637,080ft ... WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH ZONE.

(NAD) 83 (UTM) ZONE 17 COORDS: WELL 1H TOP HOLE INFORMATION: N: 4,361,531m E: 518,246m ... BOTTOM HOLE INFORMATION: N: 4,358,358m E: 518,635m

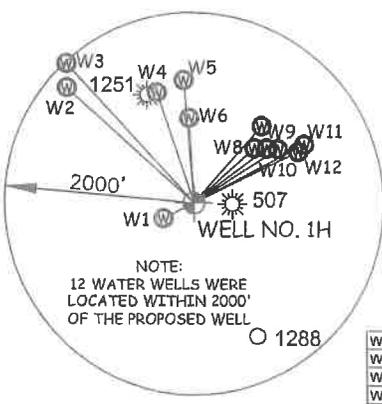
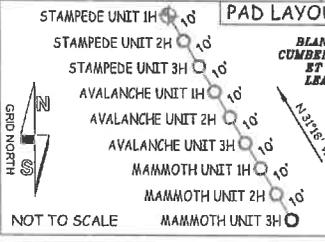


Table with 2 columns: Well ID (W1-W12) and Coordinates (N, E, W, S). W1: S 83°23' W 359.2'

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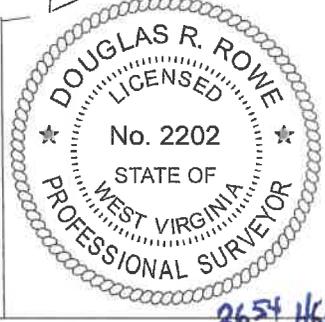
STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

WILLOW LAND SURVEYING PLLC 220 MASONIC AVE. PENNSBORO WEST VIRGINIA 26415

JOB # 19-001WA DRAWING # STAMPEDE1HAD SCALE 1" = 2000' MINIMUM DEGREE OF ACCURACY SUBMETER ... STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS

LEGEND: Surface Owner Boundary Lines +/- Interior Surface Tracts +/- Proposed Well Path As Drilled Well Path ... DATE 09/03/20 OPERATOR'S WELL# STAMPEDE UNIT #1H

NOTE: 1. NO OCCUPIED DWELLINGS OR BUILDINGS TWO THOUSAND FIVE HUNDRED (2,500) SQUARE FEET OR LARGER USED TO HOUSE OR SHELTER DAIRY CATTLE OR POULTRY HUSBANDRY ARE LOCATED WITHIN SIX HUNDRED TWENTY-FIVE (625) FEET OF THE CENTER OF THE WELL PAD.



WELL TYPE: OIL GAS X LIQUID INJECTION WASTE DISPOSAL 47 - 095 - 02608 (IF "GAS") PRODUCTION X STORAGE DEEP SHALLOW X LOCATION: ELEVATION 743' - AS BUILT WATERSHED McElroy Creek QUADRANGLE TH - SHIRLEY 7.5' BH - WEST UNION 7.5' DISTRICT McElroy COUNTY TYLER SURFACE OWNER ANTERO RESOURCES CORPORATION ACREAGE 127.86 ACRES +/- OIL & GAS ROYALTY OWNER B.F. REED ET UX; KENNETH ORR ET AL; JACOB A. CUMBERLEDGE ET UX; GAY CUMBERLEDGE ET AL; FANNY D. DAVIS ET AL; ENID McCULLOUGH ET VIR; W.S. WRIGHT ET AL; JAMES B. FAHEY ET UX LEASE ACREAGE 130 AC.±; 85 AC.±; 225 AC.±; 79.16 AC.±; 74 AC.±; 103 AC.±; 73 AC.±; 57.2 AC.± PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) AS DRILLED PLUG & ABANDON CLEAN OUT & REPLUG TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,412' TVD 17,335' MD WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER - CT CORPORATION SYSTEM ADDRESS 1615 WYNKOOP ST. ADDRESS 5400 D BIG TYLER ROAD DENVER, CO 80202 CHARLESTON, WV 25313

McElroy District - Tyler County Surface Owner list including names like June Griffin, Roger Griffin, Harry Vangoy, Charles Straight, Charles Kimball, Albert Bebee, Todd Orr, Antero Resources Corp., Larry Stevens, John Owens, Paul Weekley, Paul Weekley, Patricia Montgomery, John Lewis Jr., Robert Walsh, Judith Malloy, Harvey Burns, Anna Barrola, Terrence Fraser, Terrence Fraser, Ronnie Wilson Jr., Lloyd Talkington, Ronald Cumberledge, Randall Anderson, Harold Yost, Larry Marable, Kenneth Mason, Jacqueline Wichman Trust, Kenneth Mason, Michael Kimball, Bobby Griffin, Matthew March, Smith Morris Trust, Randall Clugston, Randall Clugston, Ronald Cumberledge, Dena Pratt, Randall Clugston, Jacqueline Wichman Trust, William Middleton, Thomas Allen, Thomas Allen, George Kiltou, Thomas Allen, Terry Dotson, Margaret Dotson, Warren Putnam, Jacqueline Wichman Grant District - Doddridge County, Steven Reed, Warren Putnam.

217' TO BOTTOM HOLE LONGITUDE 80°45'00" 4,973' LONGITUDE 80°45'00"

COUNTY NAME PERMIT

06/25/2021