

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

API 47 - 095 - 02463 County Tyler District Meade
Quad Middlebourne 7.5' Pad Name Neat Pad Field/Pool Name -----
Farm name Roger R. Weese Well Number Jack Unit 3H
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 4363570m Easting 505381m
Landing Point of Curve Northing 4363720.61m Easting 505515.03m
Bottom Hole Northing 4366986m Easting 504361m

Elevation (ft) 1005' 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 9/8/2017 Date drilling commenced 11/15/2017 Date drilling ceased 10/6/2018
Date completion activities began 12/18/2018 Date completion activities ceased 3/25/2019
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 100', 121', 166' Open mine(s) (Y/N) depths No
Salt water depth(s) ft None Identified Void(s) encountered (Y/N) depths No
Coal depth(s) ft 1441' Cavern(s) encountered (Y/N) depths No
Is coal being mined in area (Y/N) No

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Reviewed

Reviewed by:
JOB
6/24/2019

API 47-095 - 02463 Farm name Roger R. Weese Well number Jack Unit 3H

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"	373'	New	48#, H-40	N/A	Y
Coal							
Intermediate 1	12-1/4"	9-5/8"	2573'	New	36#, J-55	N/A	Y
Intermediate 2							
Intermediate 3							
Production	8-3/4"/8-1/2"	5-1/2"	18158'	New	23#, P-110	N/A	Y
Tubing		2-3/8"	6530'		4.7#, N-80		
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	120	0'	8 Hrs.
Surface	Class A	320 sx	15.6	1.18	826	0'	8 Hrs.
Coal							
Intermediate 1	Class A	870 sx	15.6	1.18	1181	0'	8 Hrs.
Intermediate 2							
Intermediate 3							
Production	Class H	670 sx (Lead) 1815 sx (Tail)	13.5 (Lead), 15.2 (Tail)	1.53 (Lead), 1.83 (Tail)		-500' into Intermediate Casing	8 Hrs.
Tubing							

Drillers TD (ft) 18178' MD, 6241' TVD (BHL), 6344' (Deepest Point Drilled) Loggers TD (ft) 18178' MD

Deepest formation penetrated Marcellus Plug back to (ft) N/A

Plug back procedure N/A

Kick off depth (ft) 6200'

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 - 02463 Farm name Roger R. Weese Well number Jack Unit 3H

<u>PRODUCING FORMATION(S)</u>	<u>DEPTHS</u>	
<u>Marcellus</u>	<u>6293' (TOP)</u> TVD	<u>6608' (TOP)</u> MD
_____	_____	_____
_____	_____	_____
_____	_____	_____

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 7176 mcfpd Oil 152 bpd NGL --- bpd Water 9 bpd GAS MEASURED BY Estimated Orifice Pilot

<u>LITHOLOGY/ FORMATION</u>	<u>TOP</u>	<u>BOTTOM</u>	<u>TOP</u>	<u>BOTTOM</u>	<u>DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H₂S, ETC)</u>
	<u>DEPTH IN FT NAME TVD</u>	<u>DEPTH IN FT TVD</u>	<u>DEPTH IN FT MD</u>	<u>DEPTH IN FT MD</u>	

***PLEASE SEE ATTACHED EXHIBIT 3**

Please insert additional pages as applicable.

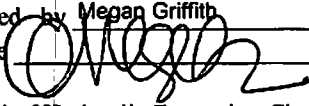
Drilling Contractor Frontier Drilling LLC
Address 562 Spring Run Road City Pennsboror State WV Zip 26415

Logging Company Allied Horizontal Wireline Services
Address 381 Colonial Manor Road City North Huntington State PA Zip 15642

Cementing Company C&J Energy Services
Address 1650 Hackers Creek City Jane Lew State WV Zip 26378

Stimulating Company Baker Hughes
Address 837 Philippi Pike City Clarksburg State WV Zip 26301

Please insert additional pages as applicable.

Completed by Megan Griffith Telephone 303-357-7223
Signature  Title Permitting Agent Date 6/10/2019

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

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API 47-095-02463 Farm Name Roger R. Weese Well Number Jack Unit 3H

EXHIBIT 1

Stage No.	Perforation Date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formations
1	12/18/2018	17999.8		60	Marcellus
2	12/19/2018	17800.72	17968.62	60	Marcellus
3	12/19/2018	17601.64	17769.54	60	Marcellus
4	12/19/2018	17402.56	17570.46	60	Marcellus
5	12/20/2018	17203.48	17371.38	60	Marcellus
6	12/20/2018	17004.4	17172.3	60	Marcellus
7	12/20/2018	16805.32	16973.22	60	Marcellus
8	12/21/2018	16606.24	16774.14	60	Marcellus
9	12/21/2018	16407.16	16575.06	60	Marcellus
10	12/21/2018	16208.08	16375.98	60	Marcellus
11	12/21/2018	16009	16176.9	60	Marcellus
12	12/22/2018	15809.92	15977.82	60	Marcellus
13	12/22/2018	15610.84	15778.74	60	Marcellus
14	12/22/2018	15411.76	15579.66	60	Marcellus
15	12/23/2018	15212.68	15380.58	60	Marcellus
16	12/23/2018	15013.6	15181.5	60	Marcellus
17	12/23/2018	14814.52	14982.42	60	Marcellus
18	12/23/2018	14615.44	14783.34	60	Marcellus
19	12/24/2018	14416.36	14584.26	60	Marcellus
20	12/26/2018	14217.28	14385.18	60	Marcellus
21	12/26/2018	14018.2	14186.1	60	Marcellus
22	12/27/2018	13819.12	13987.02	60	Marcellus
23	12/27/2018	13620.04	13787.94	60	Marcellus
24	12/28/2018	13420.96	13588.86	60	Marcellus
25	12/28/2018	13221.88	13389.78	60	Marcellus
26	12/28/2018	13022.8	13190.7	60	Marcellus
27	12/28/2018	12823.72	12991.62	60	Marcellus
28	12/29/2018	12624.64	12792.54	60	Marcellus
29	12/29/2018	12425.56	12593.46	60	Marcellus
30	12/29/2018	12226.48	12394.38	60	Marcellus
31	12/30/2018	12027.4	12195.3	60	Marcellus
32	12/30/2018	11828.32	11996.22	60	Marcellus
33	12/30/2018	11629.24	11797.14	60	Marcellus
34	12/30/2018	11430.16	11598.06	60	Marcellus
35	12/31/2018	11231.08	11398.98	60	Marcellus
36	12/31/2018	11032	11199.9	60	Marcellus
37	12/31/2018	10832.92	11000.82	60	Marcellus
38	12/31/2018	10633.84	10801.74	60	Marcellus
39	1/1/2019	10434.76	10602.66	60	Marcellus
40	1/1/2019	10235.68	10403.58	60	Marcellus
41	1/1/2019	10036.6	10204.5	60	Marcellus
42	1/1/2019	9837.52	10005.42	60	Marcellus
43	1/2/2019	9638.44	9806.34	60	Marcellus
44	1/2/2019	9439.36	9607.26	60	Marcellus
45	1/2/2019	9240.28	9408.18	60	Marcellus
46	1/2/2019	9041.2	9209.1	60	Marcellus
47	1/3/2019	8842.12	9010.02	60	Marcellus
48	1/3/2019	8643.04	8810.94	60	Marcellus
49	1/4/2019	8443.96	8611.86	60	Marcellus
50	1/4/2019	8244.88	8412.78	60	Marcellus
51	1/4/2019	8045.8	8213.7	60	Marcellus
52	1/4/2019	7846.72	8014.62	60	Marcellus
53	1/5/2019	7647.64	7815.54	60	Marcellus
54	1/5/2019	7448.56	7616.46	60	Marcellus
55	1/5/2019	7249.48	7417.38	60	Marcellus
56	1/5/2019	7050.4	7218.3	60	Marcellus
57	1/6/2019	6851.32	7019.22	60	Marcellus
58	1/6/2019	6652.24	6820.14	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 (bbbls)	Amount of Nitrogen/ other (units)
1	12/18/2018	72.1	7929	6933	3747	182670	5172.929	N/A
2	12/19/2018	77.55	7685	5276	3010	404160	8159.167	N/A
3	12/19/2018	74.44	7954	5758	3506	405960	8886.095	N/A
4	12/19/2018	78.07	7958	5656	3146	404180	8293.238	N/A
5	12/20/2018	80.77	7812	5832	3151	407640	8388.929	N/A
6	12/20/2018	77.59	7686	6058	3435	408920	8449.286	N/A
7	12/20/2018	81.76	7872	5773	3103	407700	8410.857	N/A
8	12/21/2018	79.56	8044	5754	3703	407620	8385.857	N/A
9	12/21/2018	73.46	8122	5589	3387	412280	10000.4	N/A
10	12/21/2018	65.12	7267	5060	3417	411340	10725.19	N/A
11	12/21/2018	77.68	7974	5461	3518	404800	8391.429	N/A
12	12/22/2018	77.32	7819	5313	3584	404320	8418.667	N/A
13	12/22/2018	77.09	8024	5300	3370	404360	8278.167	N/A
14	12/22/2018	78.38	7928	5331	3746	399380	8100.286	N/A
15	12/23/2018	78.57	8082	5316	3731	410460	8274.238	N/A
16	12/23/2018	76.94	7907	5133	3513	401300	8234.905	N/A
17	12/23/2018	76.02	7850	5301	3584	407540	8342.929	N/A
18	12/23/2018	81.11	7988	5367	3711	404960	8288	N/A
19	12/24/2018	80.26	7925	5480	3805	400400	8331.952	N/A
20	12/26/2018	79.71	7865	5466	3674	408040	8386.833	N/A
21	12/26/2018	77.8	8088	5725	3612	410800	8396.048	N/A
22	12/27/2018	75	7873	4736	3564	399720	8139.095	N/A
23	12/27/2018	77.5	7692	5510	3902	405600	8912.429	N/A
24	12/28/2018	79.41	7737	5554	3690	403880	8108.643	N/A
25	12/28/2018	80.8	7481	5560	3667	406200	8191.548	N/A
26	12/28/2018	80.9	7627	5480	3498	393240	7898.524	N/A
27	12/28/2018	79.08	7897	5452	3486	397960	7959.214	N/A
28	12/29/2018	70.88	7803	5622	3378	401600	9706.548	N/A
29	12/29/2018	80.5	7846	5226	4079	414860	8116.595	N/A
30	12/29/2018	76.49	8064	5660	3491	402340	9161.619	N/A
31	12/30/2018	77.21	7571	5419	3577	405960	8009.071	N/A
32	12/30/2018	79.6	7615	5396	3923	408940	8091.048	N/A
33	12/30/2018	80.1	7545	5511	3610	408080	8106.524	N/A
34	12/30/2018	78.75	7643	5311	3749	406780	8026.286	N/A
35	12/31/2018	78.13	7467	5187	3728	402040	7934.905	N/A
36	12/31/2018	81.1	7470	5860	3703	408600	8036.571	N/A
37	12/31/2018	81.2	7726	5603	3403	406620	7977.357	N/A
38	12/31/2018	81.27	7389	5601	3768	404440	7959.119	N/A
39	1/1/2019	77.42	7350	6056	3643	413840	8076.262	N/A
40	1/1/2019	73.5	7690	5600	3419	409140	8750.286	N/A
41	1/1/2019	78.3	7375	6074	3892	404720	7991.976	N/A
42	1/1/2019	79.59	7458	6204	3587	406760	8030.762	N/A
43	1/2/2019	80.81	7539	5921	3785	415480	8367.857	N/A
44	1/2/2019	81.74	7099	5932	3929	408060	8090.595	N/A
45	1/2/2019	78.52	7482	5676	3580	409300	7983	N/A
46	1/2/2019	80.64	7272	5756	3925	411820	8199.429	N/A
47	1/3/2019	77.55	7102	6028	3661	404900	8095.714	N/A
48	1/3/2019	80.37	7181	5902	3714	404020	7946.857	N/A
49	1/4/2019	81.35	7515	6283	3952	404960	8629.786	N/A
50	1/4/2019	80.24	7253	5694	4397	410740	7889.905	N/A
51	1/4/2019	82.82	7375	5457	4494	360820	7739.976	N/A
52	1/4/2019	82.39	6826	6677	3902	410360	7994.762	N/A
53	1/5/2019	83.21	7133	6371	3977	410120	7923.738	N/A
54	1/5/2019	82.43	7073	6509	4234	409660	7975.429	N/A
55	1/5/2019	82.51	7111	6657	3753	411240	7890.5	N/A
56	1/5/2019	82.13	7154	6133	3642	414980	7994.857	N/A
57	1/6/2019	83.07	6870	6311	4019	408360	7907.476	N/A
58	1/6/2019	84.35	6900	5700	4557	413140	7951.5	N/A
		78.0	7,738	5,579	3,589	18,052,990	373,941	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	0	190	0	190
Sandy siltstone	190	290	190	290
Sandstone	290	600	290	600
Silty Sandstone	600	870	600	870
limey siltstone	870	945	870	945
silty sandstone, tr. coal	945	1,095	945	1,095
silty sandstone	1,095	1,490	1,095	1,490
silty shale	1,490	1,620	1,490	1,620
sandstone, tr coal	1,620	1,630	1,620	1,630
silty sandstone	1,630	1,670	1,630	1,670
sandstone	1,670	1,745	1,670	1,745
sandy shale	1,745	1,770	1,745	1,770
shaly sand	1,770	1,892	1,770	1,892
Big Lime	1,907	2,623	1,907	2,624
Fifty Foot Sandstone	2,623	2,728	2,624	2,728
Gordon	2,728	3,063	2,728	3,066
Fifth Sandstone	3,063	3,132	3,066	3,135
Bayard	3,132	3,890	3,135	3,901
Speechley	3,890	4,180	3,901	4,195
Balltown	4,180	4,580	4,195	4,600
Bradford	4,580	4,947	4,600	4,973
Benson	4,947	5,181	4,973	5,209
Alexander	5,181	6,187	5,209	6,307
Sycamore	6,039	6,163	6,106	6,283
Middlesex	6,163	6,246	6,283	6,456
Burkett	6,246	6,269	6,456	6,529
Tully	6,269	6,282	6,529	6,581
Marcellus	6,282	NA	6,581	NA

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

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Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	12/18/2018
Job End Date:	1/6/2019
State:	West Virginia
County:	Tyler
API Number:	47-095-02463-00-00
Operator Name:	Antero Resources Corporation
Well Name and Number:	Jack Unit 3H
Latitude:	39.42155800
Longitude:	-80.93765600
Datum:	NAD27
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	6,343
Total Base Water Volume (gal):	20,783,574
Total Base Non Water Volume:	0



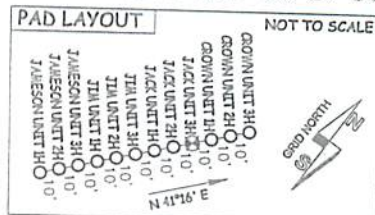
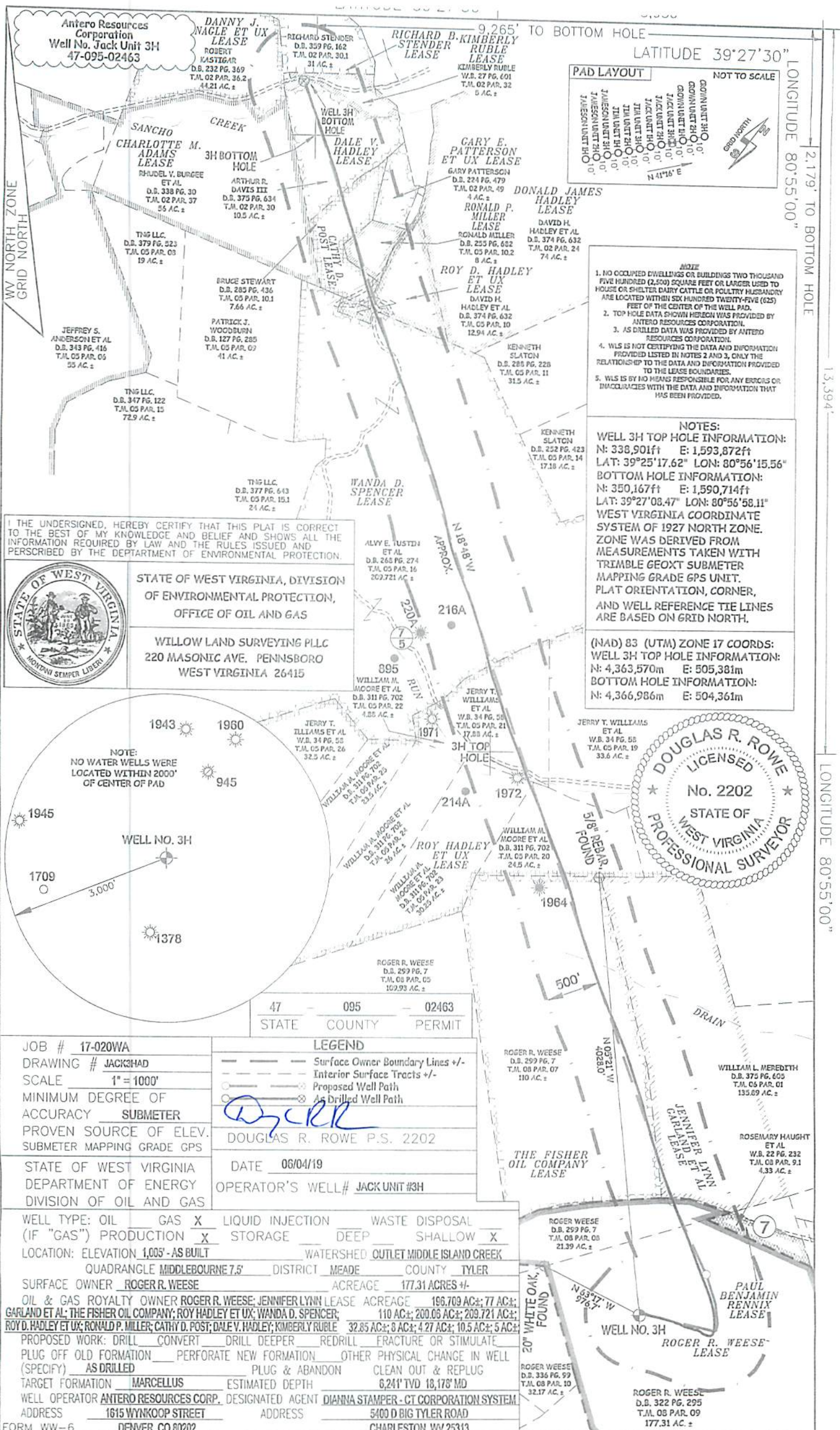
Hydraulic Fracturing Fluid Composition:

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
Fresh Water	Operator	Base Fluid					
			Water	7732-18-5	100.00000	88.00038	Density = 8.340
Ingredients	Listed Above	Listed Above					
			Water	7732-18-5	100.00000	0.11476	

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SP BREAKER	Halliburton	Breaker			Listed Below				
EXCELERATE PS-2	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	Proprietary	100.00000	11.84348		
			Inorganic salt		Proprietary	30.00000	0.01579		
			Hydrotreated light petroleum distillate	64742-47-8		30.00000	0.01579		
			Acrylamide acrylate polymer		Proprietary	30.00000	0.01579		Denise Tuck, Halliburton, 3000 N. Sam Houston Pkwy E., Houston, TX 77032, 281-871-6226
			Guar gum	9000-30-0		100.00000	0.01270		
			Hydrochloric acid	7647-01-0		15.00000	0.01013		
			Ethylene glycol	107-21-1		60.00000	0.00843		
			Glutaraldehyde	111-30-8		30.00000	0.00262		
			Teimer		Proprietary	10.00000	0.00141		
			Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl chlorides	68424-85-1		5.00000	0.00044		
			Sodium persulfate	7775-27-1		100.00000	0.00041		
			Sodium polyacrylate	9003-04-7		1.00000	0.00014		
			Methanol	67-56-1		100.00000	0.00013		
			Ethanol	64-17-5		1.00000	0.00009		
			Modified thiourea polymer		Proprietary	30.00000	0.00003		
			Phosphoric acid	7664-38-2		0.10000	0.00001		

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- NOTES:**
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.
 2. TOP HOLE DATA SWIN HELSON WAS PROVIDED BY ANTERO RESOURCES CORPORATION.
 3. AS DRILLED DATA WAS PROVIDED BY ANTERO RESOURCES CORPORATION.
 4. WLS IS NOT CERTIFYING THE DATA AND INFORMATION PROVIDED LISTED IN NOTES 2 AND 3, ONLY THE RELATIONSHIP TO THE DATA AND INFORMATION PROVIDED TO THE LEASE BOUNDARIES.
 5. WLS IS BY NO MEANS RESPONSIBLE FOR ANY ERRORS OR INACCURACIES WITH THE DATA AND INFORMATION THAT HAS BEEN PROVIDED.

NOTES:

WELL 3H TOP HOLE INFORMATION:
 N: 338,901ft E: 1,593,872ft
 LAT: 39°25'17.62" LON: 80°56'15.56"

BOTTOM HOLE INFORMATION:
 N: 350,167ft E: 1,590,714ft
 LAT: 39°27'08.47" LON: 80°56'58.11"

WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH ZONE. 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.

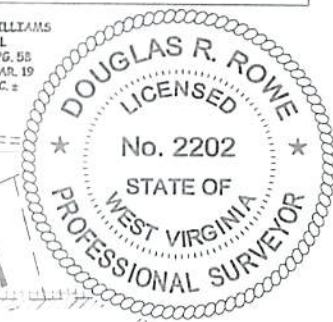
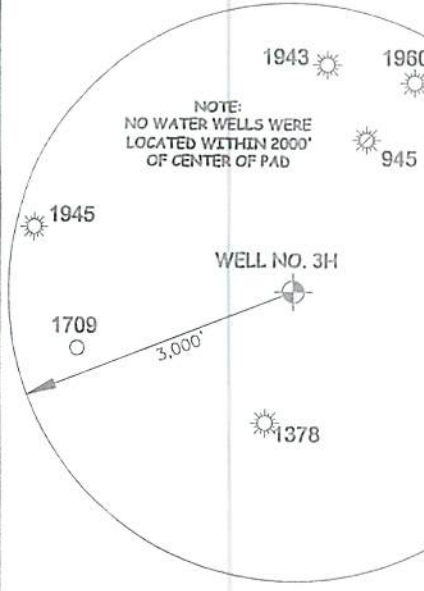
(NAD) 83 (UTM) ZONE 17 COORDS:
WELL 3H TOP HOLE INFORMATION:
 N: 4,363,570m E: 505,381m
BOTTOM HOLE INFORMATION:
 N: 4,366,986m E: 504,361m

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



47 STATE 095 COUNTY 02463 PERMIT

JOB # 17-020WA
 DRAWING # JACK3HAD
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY SUBMETER
 PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS
 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

DOUGLAS R. ROWE P.S. 2202
 DATE 06/04/19
 OPERATOR'S WELL# JACK UNIT #3H

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1,005' - AS BUILT WATERSHED OUTLET MIDDLE ISLAND CREEK
 QUADRANGLE MIDDLEBOURNE 7.5' DISTRICT MEADE COUNTY TYLER
 SURFACE OWNER ROGER R. WEESE ACREAGE 177.31 ACRES +/-
 OIL & GAS ROYALTY OWNER ROGER R. WEESE; JENNIFER LYNN LEASE ACREAGE 166,709 AC +/-; 77 AC +/-;
 GARLAND ET AL; THE FISHER OIL COMPANY; ROY HADLEY ET UX; WANDA D. SPENCER; 110 AC +/-; 200.06 AC +/-; 209,721 AC +/-;
 ROY D. HADLEY ET UX; RONALD P. MILLER; CATHY D. POST; DALE V. HADLEY; KIMBERLY RUBLE; 32.85 AC +/-; 8 AC +/-; 4.27 AC +/-; 10.5 AC +/-; 5 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 6,241' TVD 18,178' MD
 WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER - CT CORPORATION SYSTEM
 ADDRESS 1615 WYNKOOP STREET ADDRESS 5400 D BIG TYLER ROAD
 DENVER, CO 80202 CHARLESTON, WV 25313