

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

API 47 - 095 - 02471 County Tyler District Meade
Quad Middlebourne 7.5' Pad Name Neat Pad Field/Pool Name -----
Farm name Roger R. Weese Well Number Jameson 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 4363554m Easting 505371m
Landing Point of Curve Northing 4363689.08m Easting 504915.93m
Bottom Hole Northing 4366833m Easting 503768m

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 10/4/2017 Date drilling commenced 11/15/2017 Date drilling ceased 11/1/2018
Date completion activities began 12/14/2018 Date completion activities ceased 3/24/2019
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 by: JOB
6/24/2019

API 47-095 - 02471 Farm name Roger R. Weese Well number Jameson Unit 3H

CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade w/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"	372'	New	48#, H-40	N/A	Y
Coal							
Intermediate 1	12-1/4"	9-5/8"	2618'	New	36#, J-55	N/A	Y
Intermediate 2							
Intermediate 3							
Production	8-3/4"/8-1/2"	5-1/2"	18396'	New	23#, P-110	N/A	Y
Tubing		2-3/8"	6592'		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	904 sx	15.6	1.18	1181	0'	8 Hrs.
Intermediate 2							
Intermediate 3							
Production	Class H	770 sx (Lead) 1770 sx (Tail)	13.5 (Lead), 15.2 (Tail)	1.53 (Lead), 1.83 (Tail)		~500' into Intermediate Casing	8 Hrs.
Tubing							

Drillers TD (ft) 18416' MD, 6214' TVD (BHL), 6329' (Deepest Point Drilled) Loggers TD (ft) 18416' 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

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API 47-095-02471 Farm Name Roger R. Weese Well Number Jameson Unit 3H

EXHIBIT 1

Stage No.	Perforation Date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formations
1	1/26/2019	18236.8		60	Marcellus
2	1/27/2019	18037.798	18205.633	60	Marcellus
3	1/27/2019	17838.796	18006.631	60	Marcellus
4	1/27/2019	17639.794	17807.629	60	Marcellus
5	1/28/2019	17440.792	17608.627	60	Marcellus
6	1/28/2019	17241.79	17409.625	60	Marcellus
7	1/29/2019	17042.788	17210.623	60	Marcellus
8	1/29/2019	16843.786	17011.621	60	Marcellus
9	1/29/2019	16644.784	16812.619	60	Marcellus
10	1/29/2019	16445.782	16613.617	60	Marcellus
11	2/8/2019	16246.78	16414.615	60	Marcellus
12	2/8/2019	16047.778	16215.613	60	Marcellus
13	2/9/2019	15848.776	16016.611	60	Marcellus
14	2/9/2019	15649.774	15817.609	60	Marcellus
15	2/9/2019	15450.772	15618.607	60	Marcellus
16	2/10/2019	15251.77	15419.605	60	Marcellus
17	2/10/2019	15052.768	15220.603	60	Marcellus
18	2/10/2019	14853.766	15021.601	60	Marcellus
19	2/10/2019	14654.764	14822.599	60	Marcellus
20	2/11/2019	14455.762	14623.597	60	Marcellus
21	2/11/2019	14256.76	14424.595	60	Marcellus
22	2/11/2019	14057.758	14225.593	60	Marcellus
23	2/12/2019	13858.756	14026.591	60	Marcellus
24	2/12/2019	13659.754	13827.589	60	Marcellus
25	2/12/2019	13460.752	13628.587	60	Marcellus
26	2/12/2019	13261.75	13429.585	60	Marcellus
27	2/13/2019	13062.748	13230.583	60	Marcellus
28	2/13/2019	12863.746	13031.581	60	Marcellus
29	2/13/2019	12664.744	12832.579	60	Marcellus
30	2/13/2019	12465.742	12633.577	60	Marcellus
31	2/14/2019	12266.74	12434.575	60	Marcellus
32	2/14/2019	12067.738	12235.573	60	Marcellus
33	2/14/2019	11868.736	12036.571	60	Marcellus
34	2/15/2019	11669.734	11837.569	60	Marcellus
35	2/16/2019	11470.732	11638.567	60	Marcellus
36	2/16/2019	11271.73	11439.565	60	Marcellus
37	2/16/2019	11072.728	11240.563	60	Marcellus
38	2/16/2019	10873.726	11041.561	60	Marcellus
39	2/17/2019	10674.724	10842.559	60	Marcellus
40	2/17/2019	10475.722	10643.557	60	Marcellus
41	2/17/2019	10276.72	10444.555	60	Marcellus
42	2/18/2019	10077.718	10245.553	60	Marcellus
43	2/18/2019	9878.716	10046.551	60	Marcellus
44	2/18/2019	9679.714	9847.549	60	Marcellus
45	2/19/2019	9480.712	9648.547	60	Marcellus
46	2/19/2019	9281.71	9449.545	60	Marcellus
47	2/19/2019	9082.708	9250.543	60	Marcellus
48	2/19/2019	8883.706	9051.541	60	Marcellus
49	2/20/2019	8684.704	8852.539	60	Marcellus
50	2/20/2019	8485.702	8653.537	60	Marcellus
51	2/21/2019	8286.7	8454.535	60	Marcellus
52	2/21/2019	8087.698	8255.533	60	Marcellus
53	2/21/2019	7888.696	8056.531	60	Marcellus
54	2/22/2019	7689.694	7857.529	60	Marcellus
55	2/22/2019	7490.692	7658.527	60	Marcellus
56	2/22/2019	7291.69	7459.525	60	Marcellus
57	2/23/2019	7092.688	7260.523	60	Marcellus
58	2/23/2019	6893.686	7061.521	60	Marcellus
59	2/23/2019	6694.684	6862.519	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	1/26/2019	67.76	7999	7685	3352	180450	5624.476	N/A
2	1/27/2019	72.63	7777	5666	3170	407000	8630.929	N/A
3	1/27/2019	70.08	7535	6135	3541	401910	9377.69	N/A
4	1/27/2019	76.82	8131	5960	3547	406360	8303.714	N/A
5	1/28/2019	75.5	8155	5618	4445	403080	11211.74	N/A
6	1/28/2019	78.56	8178	5823	4013	401320	8403.524	N/A
7	1/29/2019	79.16	8302	5827	3863	409220	8269.071	N/A
8	1/29/2019	73.21	7997	4489	3669	408800	8317.429	N/A
9	1/29/2019	79.48	7948	5543	3630	407960	8349.738	N/A
10	1/29/2019	80.11	8030	5612	3656	409440	8300.452	N/A
11	2/8/2019	76.37	7573	5997	3768	406340	8353.571	N/A
12	2/8/2019	78.16	7723	5633	3749	405700	8305.262	N/A
13	2/9/2019	78.03	7816	5604	4025	404080	8331.667	N/A
14	2/9/2019	79.9	7940	5721	3673	406960	8560.095	N/A
15	2/9/2019	78.55	7973	4660	3842	410700	8507.333	N/A
16	2/10/2019	75.25	7897	5526	4335	407340	8250.714	N/A
17	2/10/2019	77.6	8038	5504	4234	415580	8575.548	N/A
18	2/10/2019	80	7828	5348	3377	408520	8419.429	N/A
19	2/10/2019	76.27	8052	4293	4743	404940	8248.548	N/A
20	2/11/2019	78.45	7955	5264	3737	396405	8264.786	N/A
21	2/11/2019	75.6	8230	5279	3460	420875	8666.024	N/A
22	2/11/2019	77.91	8082	5313	3617	415600	8342.571	N/A
23	2/12/2019	78.83	7883	5351	3759	409660	8361.81	N/A
24	2/12/2019	78	7869	5318	3491	407660	8360.238	N/A
25	2/12/2019	78.6	7776	5373	3633	387880	8031.738	N/A
26	2/12/2019	79.12	8198	5288	6004	354196	8248.119	N/A
27	2/13/2019	78.04	7927	5577	3728	418884	8492.357	N/A
28	2/13/2019	79	7993	5197	3805	399080	7759.19	N/A
29	2/13/2019	75.5	8011	5486	3768	404380	9321.429	N/A
30	2/13/2019	77.49	8027	5465	3738	406260	8197.786	N/A
31	2/14/2019	76.96	7632	5235	3561	406600	8216.905	N/A
32	2/14/2019	78.2	7676	5304	3813	407740	8171.286	N/A
33	2/14/2019	79.36	7702	5470	3947	408210	8133.071	N/A
34	2/15/2019	78.85	7671	5610	3922	409420	8423.333	N/A
35	2/16/2019	60.67	8213	5496	3694	295990	7532.214	N/A
36	2/16/2019	78.9	7655	5369	4544	396350	7872.381	N/A
37	2/16/2019	78.7	7664	5473	4422	396240	7869.048	N/A
38	2/16/2019	73.29	7592	5429	3672	406500	8056.857	N/A
39	2/17/2019	79.75	7435	5422	3637	398520	8077.381	N/A
40	2/17/2019	78.8	7512	5267	3676	401120	7796.262	N/A
41	2/17/2019	78.12	7452	5714	3630	404020	7939.333	N/A
42	2/18/2019	77.82	7378	5543	4149	404780	8118.286	N/A
43	2/18/2019	79.9	7410	5519	4071	409040	7973.833	N/A
44	2/18/2019	82.88	7841	5515	3278	410160	8135.405	N/A
45	2/19/2019	77	8202	5547	4324	412760	8290.429	N/A
46	2/19/2019	82.48	7370	5219	4155	407680	8030.905	N/A
47	2/19/2019	82.75	7693	5554	4778	405400	8098.857	N/A
48	2/19/2019	79.88	7478	5538	4497	409100	7894.143	N/A
49	2/20/2019	79.8	7466	6010	3803	405740	7871.024	N/A
50	2/20/2019	80.23	7226	5715	4413	405680	8069.095	N/A
51	2/21/2019	82.05	7372	5768	3894	410980	8084.5	N/A
52	2/21/2019	82.2	7189	5856	3841	406600	8024.31	N/A
53	2/21/2019	80.75	7374	5493	3650	410640	7919.381	N/A
54	2/22/2019	80	7530	5781	3656	403960	8632.667	N/A
55	2/22/2019	80.1	7293	6653	3800	405460	7998.476	N/A
56	2/22/2019	83.13	7491	6581	3708	412320	7990.643	N/A
57	2/23/2019	79.44	7332	6006	3872	397440	8346.643	N/A
58	2/23/2019	82.91	6984	6039	4141	407780	7903.048	N/A
59	2/23/2019	77.42	7225	6081	4397	402420	8733.833	N/A
		77.1	7,864	5,499	3,860	17,894,030	372,993	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
limy 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	1,878	1,770	1,882
Big Lime	1,893	2,616	1,897	2,635
Fifty Foot Sandstone	2,616	2,731	2,635	2,754
Gordon	2,731	3,046	2,754	3,078
Fifth Sandstone	3,046	3,128	3,078	3,162
Bayard	3,128	3,889	3,162	3,946
Speechley	3,889	4,171	3,946	4,237
Balltown	4,171	4,565	4,237	4,639
Bradford	4,565	4,936	4,639	5,020
Benson	4,936	5,164	5,020	5,254
Alexander	5,164	6,179	5,254	6,394
Sycamore	6,042	6,155	6,206	6,370
Middlesex	6,155	6,239	6,370	6,541
Burkett	6,239	6,263	6,541	6,607
Tully	6,263	6,276	6,607	6,651
Marcellus	6,276	NA	6,651	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:	1/26/2019
Job End Date:	2/23/2019
State:	West Virginia
County:	Tyler
API Number:	47-095-02471-00-00
Operator Name:	Antero Resources Corporation
Well Name and Number:	Jameson Unit 3H
Latitude:	39.42142200
Longitude:	-80.93777500
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	6,328
Total Base Water Volume (gal):	21,142,113
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	87.97142	Density = 8.330
Ingredients	Listed Above	Listed Above					
			Water	7732-18-5	100.00000	0.20768	

EXCELERATE PS-2	Halliburton	Friction Reducer							
							Listed Below		
SAND- PREMIUM WHITE-30/50	Halliburton	Proppant							
							Listed Below		
WG-36 GELLING AGENT	Halliburton	Gelling Agent							
							Listed Below		
SAND-COMMON WHITE-100 MESH, SSA-2	Halliburton	Proppant							
							Listed Below		
FDP-S1296-17	Halliburton	Corrosion Inhibitor							
							Listed Below		
MC B-8614	Halliburton	Biocide							
							Listed Below		
SCALECHEK LP-70	Halliburton	Scale Inhibitor							
							Listed Below		
SAND- PREMIUM WHITE-40/70	Halliburton	Proppant							
							Listed Below		

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SP BREAKER	Halliburton	Breaker												
					Listed Below									
HYDROCHLORIC ACID	Halliburton	Solvent												
					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		11.78206					
			Hydrochloric acid		7647-01-0		15.00000		0.02428					
			Acrylamide acrylate polymer		Proprietary		30.00000		0.01503				Denise Tuck, Halliburton, 3000 N. Sam Houston Pkwy E., Houston, TX 77032, 281-871-6226	
			Inorganic salt		Proprietary		30.00000		0.01503					
			Hydrotreated light petroleum distillate		64742-47-8		30.00000		0.01503					
			Guar gum		9000-30-0		100.00000		0.01106					
			Ethylene glycol		107-21-1		60.00000		0.00864					
			Glutaraldehyde		111-30-8		30.00000		0.00257					
			Telmer		Proprietary		10.00000		0.00144					
			Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl chlorides		68424-85-1		5.00000		0.00043					
			Sodium persulfate		7775-27-1		100.00000		0.00040					
			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		0.00004					
			Mixture of dimer and trimer fatty acids of indefinite composition derived from tall oil		61790-12-3		30.00000		0.00004					

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				Phosphoric acid	7664-38-2	0.10000	0.00001
				Hexadecene	629-73-2	5.00000	0.00001
				Ethoxylated alcohols	Proprietary	5.00000	0.00001
				Propargyl alcohol	107-19-7	5.00000	0.00001
				Acrylic acid	79-10-7	0.01000	0.00000
				Sodium sulfate	7757-82-6	0.10000	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)

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LATITUDE 39°27'30"

5,962'

11,213' TO BOTTOM HOLE

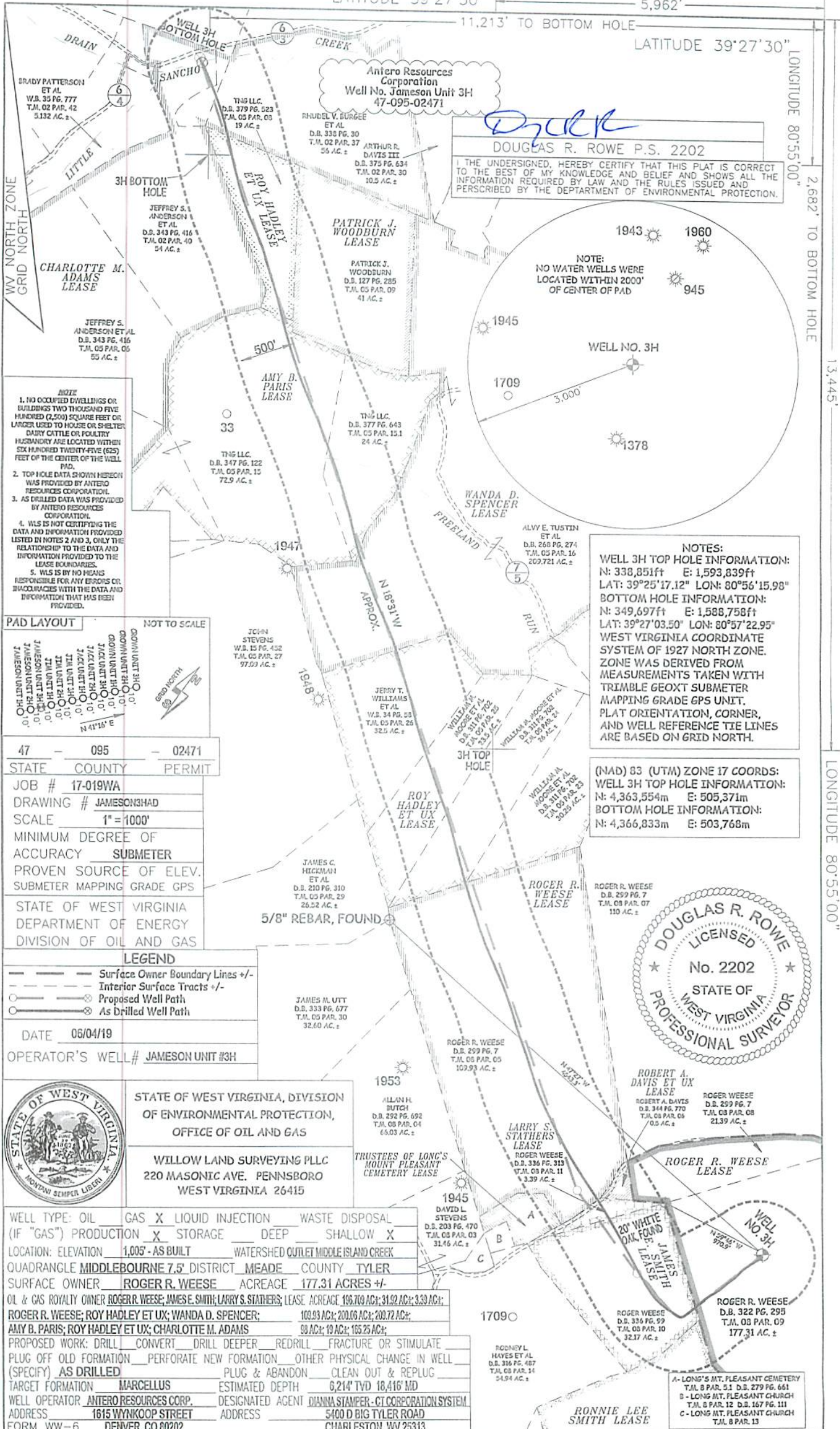
LATITUDE 39°27'30"

LONGITUDE 80°55'00"

2,682' TO BOTTOM HOLE

13,445'

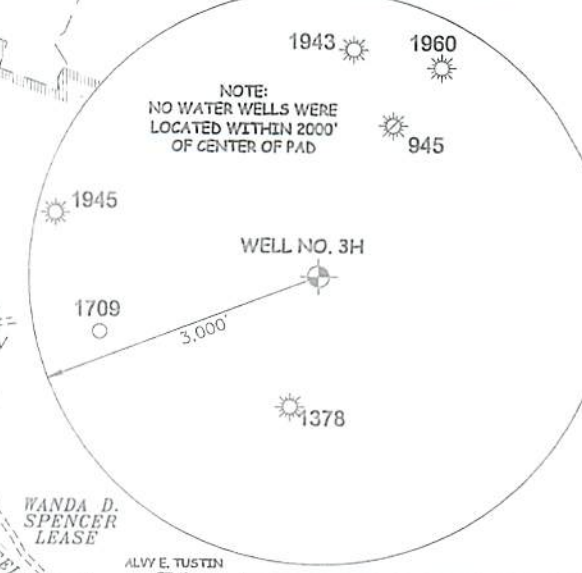
LONGITUDE 80°55'00"



Drill

DOUGLAS R. ROWE P.S. 2202

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.



NOTES:

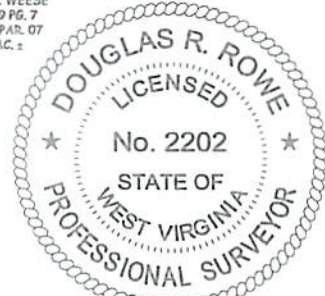
WELL 3H TOP HOLE INFORMATION:
 N: 338,851ft E: 1,593,839ft
 LAT: 39°25'17.12" LON: 80°56'15.98"

BOTTOM HOLE INFORMATION:
 N: 349,697ft E: 1,588,758ft
 LAT: 39°27'03.50" LON: 80°57'22.95"

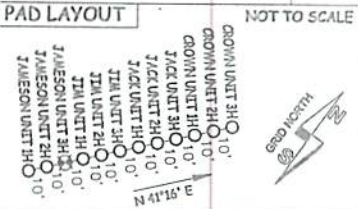
WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH ZONE. ZONE WAS DERIVED FROM MEASUREMENTS TAKEN WITH TRIMBLE GEOXT SUBMETER MAPPING GRADE GPS UNIT. PLAT ORIENTATION, CORNER, AND WELL REFERENCE TIE LINES ARE BASED ON GRID NORTH.

(NAD) 83 (UTM) ZONE 17 COORDS:
 WELL 3H TOP HOLE INFORMATION:
 N: 4,363,554m E: 505,371m

BOTTOM HOLE INFORMATION:
 N: 4,366,833m E: 503,768m



- 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.
 2. TOP HOLE DATA SHOWN HEREON 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.



47	095	02471
STATE	COUNTY	PERMIT
JOB #	17-019WA	
DRAWING #	JAMESON3HAD	
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

DATE 06/04/19

OPERATOR'S WELL# JAMESON UNIT #3H



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

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

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; JAMES E. SMITH; LARRY S. STATHERS; LEASE ACREAGE 106.709 AC.; 31.92 AC.; 3.30 AC.;

ROGER R. WEESE; ROY HADLEY ET UX; WANDA D. SPENCER; 109.93 AC.; 200.06 AC.; 200.72 AC.;

AMY B. PARIS; ROY HADLEY ET UX; CHARLOTTE M. ADAMS 98 AC.; 19 AC.; 165.25 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 6,214' TVD 18,416' MID

WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER - CT CORPORATION SYSTEM

ADDRESS 1615 WYNKOOP STREET ADDRESS 5400 D BIG TYLER ROAD

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