

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

API 47 - 095 - 02439 County Tyler District Centerville
 Quad Middlebourne 7.5' Pad Name Lemuel Pad Field/Pool Name -----
 Farm name Antero Resources Corporation Well Number Midge 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 4363659m Easting 507455m
 Landing Point of Curve Northing 4363604m Easting 507525m
 Bottom Hole Northing 4361228m Easting 508405m

Elevation (ft) 1155' 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 6/23/2017 Date drilling commenced 12/10/2017 Date drilling ceased 7/16/2018
 Date completion activities began 9/11/2018 Date completion activities ceased 10/18/2018
 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 None Identified 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 1328', 1468' Cavern(s) encountered (Y/N) depths No
 Is coal being mined in area (Y/N) No

Reviewed by:

WR-35
Rev. 8/23/13

API 47-095 - 02439 Farm name Antero Resources Corporation Well number Midge 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"	112'	New	78.67#, A252	N/A	Y
Surface	17-1/2"	13-3/8"	642'	New	54.5#, J-55	N/A	Y
Coal							
Intermediate 1	12-1/4"	9-5/8"	2589'	New	36#, J-55	N/A	Y
Intermediate 2							
Intermediate 3							
Production	8-3/4"/8-1/2"	5-1/2"	15411'	New	23#, HCPP-110	N/A	Y
Tubing		2-3/8"	6756'		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	540 sx	15.6	1.20	648	0'	8 Hrs.
Coal							
Intermediate 1	Class A	900 sx	15.6	1.18	1062	0'	8 Hrs.
Intermediate 2							
Intermediate 3							
Production	Class H	710 sx (Lead) 1395 sx (Tail)	14.0 (Lead), 15.2 (Tail)	1.45 (Lead), 1.83 (Tail)	3582	~500' into Intermediate Casing	8 Hrs.
Tubing							

Drillers TD (ft) 15431' MD, 6582' TVD (BHL), 6600' (Deepest Point Drilled) Loggers TD (ft) 15431' MD

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

Plug back procedure N/A

Kick off depth (ft) 5788'

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 - 02439 Farm name Antero Resources Corporation Well number Midge Unit 3H

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								

Please insert additional pages as applicable.

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API 47- 095 - 02439 Farm name Antero Resources Corporation Well number Midge Unit 3H

PRODUCING FORMATION(S)	DEPTHS		
Marcellus	6537' (TOP)	TVD	6801' (TOP) MD

Please insert additional pages as applicable.

GAS TEST Build up Drawdown Open Flow OIL TEST Flow Pump

SHUT-IN PRESSURE Surface 4100 psi Bottom Hole --- psi DURATION OF TEST --- hrs

OPEN FLOW Gas 12617 mcfpd Oil 273 bpd NGL --- bpd Water 680 bpd GAS MEASURED BY Estimated Orifice Pilot

LITHOLOGY/ FORMATION	TOP		BOTTOM		DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H 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 Frontier Drilling LLC
Address 562 Spring Run Road City Pennsboro State WV Zip 26415

Logging Company Reach Wireline
Address 100 Nu Energy Drive, Suite 1 City Aledo State TX Zip 76008

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

Stimulating Company US Well Services
Address 535 Industrial Park Drive City Jane Lew State WV Zip 26378

Please insert additional pages as applicable.

Completed by Karin Cox Telephone 303-357-6820
Signature  Title Permitting Agent Date 2/28/2019

API 47-095-02439 Farm Name Antero Resources Corporation Well Number Midge Unit 3H					
EXHIBIT 1					
Stage No.	Perforation Date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formations
1	9/11/2018	15203.3	15308	24	Marcellus
2	9/12/2018	15004.49	15172.165	48	Marcellus
3	9/12/2018	14805.68	14973.355	48	Marcellus
4	9/12/2018	14606.87	14774.545	48	Marcellus
5	9/12/2018	14408.06	14575.735	48	Marcellus
6	9/13/2018	14209.25	14376.925	48	Marcellus
7	9/13/2018	14010.44	14178.115	48	Marcellus
8	9/13/2018	13811.63	13979.305	48	Marcellus
9	9/14/2018	13612.82	13780.495	48	Marcellus
10	9/14/2018	13414.01	13581.685	48	Marcellus
11	9/14/2018	13215.2	13382.875	48	Marcellus
12	9/14/2018	13016.39	13184.065	48	Marcellus
13	9/15/2018	12817.58	12985.255	48	Marcellus
14	9/15/2018	12618.77	12786.445	48	Marcellus
15	9/15/2018	12419.96	12587.635	48	Marcellus
16	9/15/2018	12221.15	12388.825	48	Marcellus
17	9/16/2018	12022.34	12190.015	48	Marcellus
18	9/16/2018	11823.53	11991.205	48	Marcellus
19	9/16/2018	11624.72	11792.395	48	Marcellus
20	9/17/2018	11425.91	11593.585	48	Marcellus
21	9/17/2018	11227.1	11394.775	48	Marcellus
22	9/17/2018	11028.29	11195.965	48	Marcellus
23	9/17/2018	10829.48	10997.155	48	Marcellus
24	9/18/2018	10630.67	10798.345	48	Marcellus
25	9/18/2018	10431.86	10599.535	48	Marcellus
26	9/18/2018	10233.05	10400.725	48	Marcellus
27	9/19/2018	10034.24	10201.915	48	Marcellus
28	9/19/2018	9835.43	10003.105	48	Marcellus
29	9/19/2018	9636.62	9804.295	48	Marcellus
30	9/20/2018	9437.81	9605.485	48	Marcellus
31	9/20/2018	9239	9406.675	48	Marcellus
32	9/20/2018	9040.19	9207.865	48	Marcellus
33	9/21/2018	8841.38	9009.055	48	Marcellus
34	9/21/2018	8642.57	8810.245	48	Marcellus
35	9/21/2018	8443.76	8611.435	48	Marcellus
36	9/22/2018	8244.95	8412.625	48	Marcellus
37	9/23/2018	8046.14	8213.815	48	Marcellus
38	9/23/2018	7847.33	8015.005	48	Marcellus
39	9/23/2018	7648.52	7816.195	48	Marcellus
40	9/23/2018	7449.71	7617.385	48	Marcellus
41	9/24/2018	7250.9	7418.575	48	Marcellus
42	9/24/2018	7052.09	7219.765	48	Marcellus
43	9/24/2018	6853.28	7020.955	48	Marcellus

API 47-095-02439 Farm Name Antero Resources Corporation Well Number Midge Unit 3H

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	9/11/2018	66.2469	6856.495	5627	4296	274300	8908	N/A
2	9/12/2018	78.0911	7582.513	6165	3260	399920	8087	N/A
3	9/12/2018	72.2506	7756.204	6981	4727	368300	9438	N/A
4	9/12/2018	77.3336	7578.309	5432	4204	397100	7866	N/A
5	9/12/2018	74.3335	7263.658	5776	3526	399320	8013	N/A
6	9/13/2018	78.6765	7568.845	5824	3655	399000	7852	N/A
7	9/13/2018	74.9405	7406.585	5578	3596	398580	7909	N/A
8	9/13/2018	75.5869	7556.752	5716	3904	400000	7908	N/A
9	9/14/2018	74.9945	7572.175	5586	3964	399100	7975	N/A
10	9/14/2018	79.9565	7585.354	5394	4359	400000	7792	N/A
11	9/14/2018	76.7092	7562.165	5478	5124	400560	7769	N/A
12	9/14/2018	75.7545	7181.677	5739	4536	399140	7926	N/A
13	9/15/2018	74.7576	7181.509	5337	4155	399800	7776	N/A
14	9/15/2018	64.8056	7380.506	5632	4341	399780	11525	N/A
15	9/15/2018	78.2536	7205.26	5618	4743	399180	7784	N/A
16	9/15/2018	75.0575	6890.219	5301	3983	399300	7874	N/A
17	9/16/2018	78.3905	7190.106	5364	4129	402320	7709	N/A
18	9/16/2018	78.9176	7390.414	7937	4863	400140	7625	N/A
19	9/16/2018	79.9345	7229.251	5291	4821	399180	7809	N/A
20	9/17/2018	78.4872	7103.25	5484	4435	399240	7942	N/A
21	9/17/2018	76.3264	7157.271	5326	4489	396400	7690	N/A
22	9/17/2018	77.2645	7251.805	5200	4105	399360	7853	N/A
23	9/17/2018	76.3293	7047.657	5575	4835	400720	7882	N/A
24	9/18/2018	79.5866	7201.698	5502	4305	401500	7606	N/A
25	9/18/2018	78.3504	7368.426	5539	4416	403240	7690	N/A
26	9/18/2018	67.5	7395.5	5650	4111	365100	10115	N/A
27	9/19/2018	76.5467	7090.447	5570	4690	397260	7594	N/A
28	9/19/2018	70.2358	7093.439	4769	4366	397780	8960	N/A
29	9/19/2018	76.5642	6718.529	5399	3719	399300	7648	N/A
30	9/20/2018	79.629	7218.296	5594	4470	393900	8164	N/A
31	9/20/2018	69.676	7898.315	5564	4629	387200	7618	N/A
32	9/20/2018	76.6954	6660.857	5376	4745	399880	7769	N/A
33	9/21/2018	77.2076	6831.152	5593	4296	398420	8827	N/A
34	9/21/2018	79.5262	6740.964	5760	4311	399420	7616	N/A
35	9/21/2018	76.3566	6441.747	5724	3648	399680	7727	N/A
36	9/22/2018	77.6553	6445.643	5838	3750	400020	7743	N/A
37	9/23/2018	77.5059	6736.243	5617	3946	399140	7741	N/A
38	9/23/2018	71.7084	6849.292	5512	3933	397700	10553	N/A
39	9/23/2018	80.7903	6678.667	5455	4284	398600	7658	N/A
40	9/23/2018	78.3539	6484.052	5677	4286	399060	8540	N/A
41	9/24/2018	80.2743	6522.947	5403	4072	399000	8283	N/A
42	9/24/2018	80.3235	6561.129	5490	4299	401260	7900	N/A
43	9/24/2018	76.6927	6204.6	5754	4336	383920	7640	N/A
	AVG=	76	7,108	5,631	4,248	16,952,120	350,304	TOTAL

API 47-095-02439 Farm Name Antero Resources Corporation Well Number Midge Unit 3H				
EXHIBIT 3				
LITHOLOGY/ FORMATION	TOP DEPTH (TVD)	BOTTOM DEPTH (TVD)	TOP DEPTH (MD)	BOTTOM DEPTH (MD)
	From Surface	From Surface	From Surface	From Surface
Sandstone	0	528	0	528
Silty sandstone	est 528	568	est 528	568
Sandy siltstone	est 568	608	est 568	608
Silty shale	est 608	688	est 608	688
Calcareous shale	est 688	788	est 688	788
Shaly siltstone	est 788	848	est 788	848
Silty Marlstone	est 848	948	est 848	948
Calcareous shale	est 948	1,008	est 948	1,008
Sandy siltstone	est 1008	1,088	est 1008	1,088
Calcareous shale	est 1088	1,328	est 1088	1,328
Coal / shale	est 1328	1,468	est 1328	1,468
Sandy shale/coal	est 1468	1,908	est 1468	1,908
Sandy siltstone	est 1908	1,997	est 1908	2,001
Big Lime	1,997	2,267	2,001	2,271
Big Injun	2,267	2,750	2,271	2,754
Gantz Sand	2,750	2,858	2,754	2,862
Fifty Foot Sandstone	2,858	2,982	2,862	2,987
Gordon	2,982	3,103	2,987	3,107
Fifth Sandstone	3,103	3,407	3,107	3,413
Bayard	3,407	3,691	3,413	3,700
Warren	3,691	4,074	3,700	4,087
Speechley	4,074	4,316	4,087	4,332
Balltown	4,316	4,719	4,332	4,741
Bradford	4,719	4,984	4,741	5,009
Benson	4,984	5,399	5,009	5,428
Alexander	5,399	5,894	5,428	5,927
Rhinestreet	5,894	6,254	5,927	6,305
Sycamore	6,254	6,392	6,305	6,473
Middlesex	6,392	6,483	6,473	6,629
Burkett	6,483	6,511	6,629	6,708
Tully	6,511	6,537	6,708	6,801
Marcellus	6,537	N/A	6,801	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.

Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	9/11/2018
Job End Date:	9/24/2018
State:	West Virginia
County:	Tyler
API Number:	47-095-02439-00-00
Operator Name:	Antero Resources Corporation
Well Name and Number:	Midge 3H
Latitude:	39.41817700
Longitude:	-80.91131800
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	6,599
Total Base Water Volume (gal):	15,121,862
Total Base Non Water Volume:	0



Hydraulic Fracturing Fluid Composition:

Trade Name	Supplier	Purpose	Ingredients	Chemical Service Abstract Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments
Water	Antero Resources	Carrier/Base Fluid	Water	7732-18-5	100.00000	87.88833	
Sand	U.S. Well Services, LLC	Proppant					
HCL Acid (12.6%-17.5%)	U.S. Well Services, LLC	Bulk Acid	Crystalline Silica, quartz	14808-60-7	100.00000	11.81156	
			Water	7732-18-5	87.40000	0.14209	
			Hydrogen Chloride	7647-01-0	17.50000	0.03304	
LGC-15	U.S. Well Services, LLC	Gelling Agents					
			Guar Gum	9000-30-0	50.00000	0.04072	
			Petroleum Distillates	64742-47-8	60.00000	0.03856	
			Suspending agent (solid)	14808-60-7	3.00000	0.00623	
			Surfactant	68439-51-0	3.00000	0.00244	
WFRA-405	U.S. Well Services, LLC	Friction Reducer					
			2-Propenoic acid, polymer with propenamide	29003-06-9	30.00000	0.01542	
			Hydrated light distillate (petroleum)	64742-47-8	30.00000	0.01241	

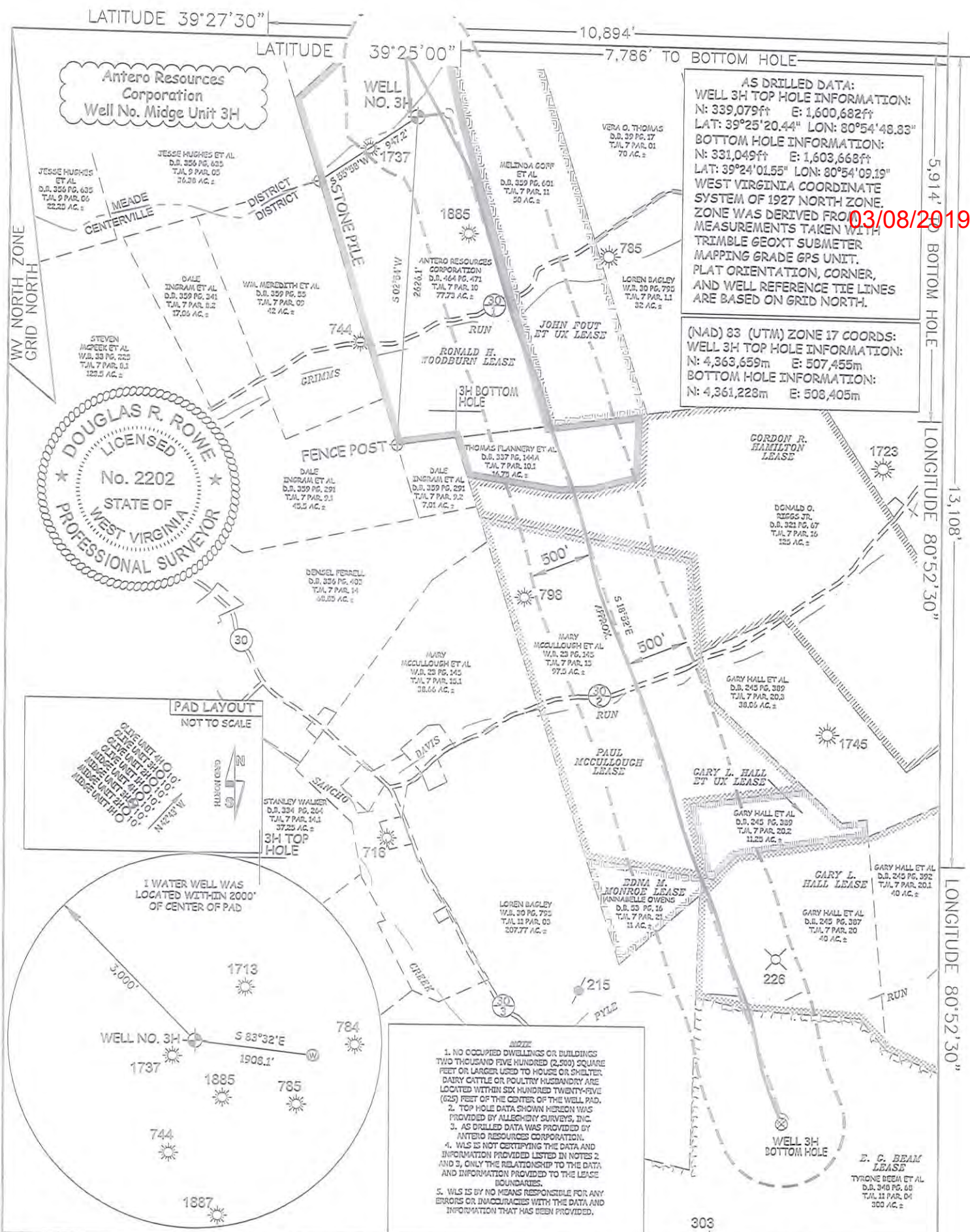
Bioclear 2000	U.S. Well Services, LLC	Anti-Bacterial Agent							
			2,2-dibromo-3-nitripropionamide	10222-01-2	20.00000	0.00403			
AP One	U.S. Well Services, LLC	Gel Breakers	Deionized Water	7732-18-5	28.00000	0.00230			
SI-1200s	U.S. Well Services, LLC	Scale Inhibitor	Ammonium Persulfate	7727-54-0	100.00000	0.00146			
AI-303	U.S. Well Services, LLC	Acid Corrosion Inhibitors	Proprietary Scale Inhibitor	Proprietary	10.00000	0.00130			
			Ethylene glycol	107-21-1	40.00000	0.00005			
			Cinnamaldehyde	104-55-2	20.00000	0.00002			
			Formic acid	64-18-6	20.00000	0.00002			
			Butyl cellosolve	111-76-2	20.00000	0.00002			
			Polyether	60828-78-6	10.00000	0.00001			
			Acetophenone, thiourea, formaldehyde polymer	68527-49-1	5.00000	0.00000			

Ingredients shown above are subject to 29 CFR 1910.1200(i) and appear on Material Safety Data Sheets (MSDS). Ingredients shown below are Non-MSDS.

* Total Water Volume sources may include fresh water, produced water, and/or recycled water

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

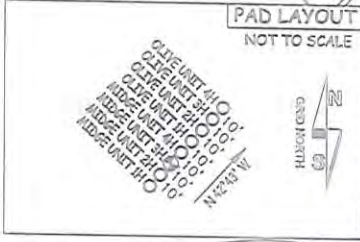
Note: For Field Development Products (products that begin with FDP), MSDS level only information has been provided. Ingredient information for chemicals subject to 29 CFR 1910.1200(i) and Appendix D are obtained from suppliers Material Safety Data Sheets (MSDS)



AS DRILLED DATA:
WELL 3H TOP HOLE INFORMATION:
 N: 339,079ft E: 1,600,682ft
 LAT: 39°25'20.44" LON: 80°54'48.83"
BOTTOM HOLE INFORMATION:
 N: 331,049ft E: 1,603,668ft
 LAT: 39°24'01.55" LON: 80°54'09.19"
 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: 4,363,659m E: 507,455m
BOTTOM HOLE INFORMATION:
 N: 4,361,228m E: 508,405m

03/08/2019



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 ALECHRY SURVEYS, INC.
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.

JOB # 16-028WA
 DRAWING # MIDGE3HAD
 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

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

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

DOUGLAS R. ROWE P.S. 2202
 DATE 01/21/19
 OPERATOR'S WELL# MIDGE UNIT #3H

WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS") PRODUCTION STORAGE ___ DEEP ___ SHALLOW
 LOCATION: ELEVATION 1155' AS-BUILT WATERSHED OUTLET MIDDLE ISLAND CREEK
 QUADRANGLE MIDDLEBOURNE 7.5' DISTRICT CENTERVILLE COUNTY TYLER
 SURFACE OWNER ANTERO RESOURCES CORPORATION ACREAGE 77.73 ACRES +/-
 OIL & GAS ROYALTY OWNER RONALD H. WOODBURN; JOHN FOUT ET UX; GORDON R. HAMILTON; LEASE ACREAGE 94 AC±; 50 AC±; 125 AC±;
 PAUL MCCULLOUGH; EDNA M. MONROE; GARY L. HALL; E. G. BEAM 97.5 AC±; 11 AC±; 80 AC±; 317 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 6,592' TVD 15,431' 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

5,914' BOTTOM HOLE

13,108' LONGITUDE 80°52'30"

LONGITUDE 80°52'30"