

APPROVED

WR-35
Rev. 8/23/13

Page ___ of ___

NAME: [Signature]

DATE: 8/16/17

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

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JUL 11 2017

WV Department of
Environmental Protection

API 47 - 017 - 06426 County Doddridge District Grant
Quad Smithburg 7.5' Pad Name Misery Pad Field/Pool Name ----
Farm name Denzil C. Spencer et al Well Number Michelle 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 4356844m Easting 521635m
Landing Point of Curve Northing 4357067.064m Easting 521522.990m
Bottom Hole Northing 4359572m Easting 520515m

Elevation (ft) 1001' 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 01/21/2014 Date drilling commenced 03/24/2015 Date drilling ceased 03/04/2016
Date completion activities began 08/12/2016 Date completion activities ceased 11/25/2016
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 475' Open mine(s) (Y/N) depths No
Salt water depth(s) ft 1477', 1511', 1675' Void(s) encountered (Y/N) depths No
Coal depth(s) ft 177', 257', 1542' Cavern(s) encountered (Y/N) depths No
Is coal being mined in area (Y/N) No

Reviewed by:

09/15/2017

API 47-017 - 06426 Farm name Denzil C. Spencer et al Well number Michelle Unit 1H

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"	40'	New	94#, J-55	N/A	Y
Surface	17-1/2"	13-3/8"	563'	New	48#, H-40	N/A	Y
Coal							
Intermediate 1	12-1/4"	9-5/8"	2523'	New	36#, J-55	N/A	Y
Intermediate 2							
Intermediate 3							
Production	8-3/4"/8-1/2"	5-1/2"	16191'	New	23#, P-110	N/A	Y
Tubing		2-3/8"	6893'		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	193 sx	15.6	1.19	230	0'	8 Hrs.
Surface	Class A	667 sx	15.6	1.18	787	0'	8 Hrs.
Coal							
Intermediate 1	Class A	920 sx	15.6	1.18	1086	0'	8 Hrs.
Intermediate 2							
Intermediate 3							
Production	Class H	1130 sx (Lead) 1464 sx (Tail)	14.37 (Lead), 15.17 (Tail)	1.21 (Lead), 1.83 (Tail)	4046	-500' into Intermediate Casing	8 Hrs.
Tubing							

Drillers TD (ft) 16191' MD, 6769' TVD (BHL) & 6805' TVD (Deepest Point Drilled) Loggers TD (ft) 16157' MD
 Deepest formation penetrated Marcellus Plug back to (ft) N/A
 Plug back procedure N/A

Kick off depth (ft) 6337'

** This is a subsequent well. Antero only runs wireline logs on one well on a multi-well pad (Anne Unit 2H API #47-017-06374). Please reference the wireline logs submitted with Form WR-35 for Anne Unit 2H. A Cement Bond Log has been included with this submittal.

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 _____

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

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EXHIBIT 1

Stage No.	Perforation Date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formations
1	8/12/2016	15918	16061	60	Marcellus
2	9/23/2016	15718	15886	60	Marcellus
3	9/23/2016	15519	15687	60	Marcellus
4	9/23/2016	15319	15487	60	Marcellus
5	9/24/2016	15120	15288	60	Marcellus
6	9/24/2016	14920	15088	60	Marcellus
7	9/24/2016	14721	14889	60	Marcellus
8	9/24/2016	14521	14689	60	Marcellus
9	9/25/2016	14322	14490	60	Marcellus
10	9/25/2016	14122	14290	60	Marcellus
11	9/25/2016	13923	14091	60	Marcellus
12	9/25/2016	13723	13891	60	Marcellus
13	9/26/2016	13524	13692	60	Marcellus
14	9/26/2016	13324	13492	60	Marcellus
15	9/26/2016	13125	13293	60	Marcellus
16	9/26/2016	12925	13093	60	Marcellus
17	9/27/2016	12726	12894	60	Marcellus
18	9/27/2016	12526	12694	60	Marcellus
19	9/27/2016	12327	12495	60	Marcellus
20	9/27/2016	12127	12295	60	Marcellus
21	9/27/2016	11928	12096	60	Marcellus
22	9/28/2016	11728	11896	60	Marcellus
23	9/28/2016	11529	11697	60	Marcellus
24	9/28/2016	11329	11497	60	Marcellus
25	9/28/2016	11130	11298	60	Marcellus
26	9/29/2016	10930	11098	60	Marcellus
27	9/29/2016	10731	10899	60	Marcellus
28	9/29/2016	10531	10699	60	Marcellus
29	9/29/2016	10332	10500	60	Marcellus
30	9/29/2016	10132	10300	60	Marcellus
31	9/30/2016	9933	10101	60	Marcellus
32	9/30/2016	9733	9901	60	Marcellus
33	9/30/2016	9534	9702	60	Marcellus
34	9/30/2016	9334	9502	60	Marcellus
35	10/2/2016	9135	9303	60	Marcellus
36	10/2/2016	8935	9103	60	Marcellus
37	10/2/2016	8736	8904	60	Marcellus
38	10/2/2016	8536	8704	60	Marcellus
39	10/3/2016	8337	8505	60	Marcellus
40	10/3/2016	8137	8305	60	Marcellus
41	10/3/2016	7938	8106	60	Marcellus
42	10/3/2016	7738	7906	60	Marcellus
43	10/3/2016	7539	7707	60	Marcellus
44	10/3/2016	7339	7507	60	Marcellus
45	10/4/2016	7140	7308	60	Marcellus
46	10/4/2016	6940	7108	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	9/22/2016	71.0	7834	5665	5512	352280	8294	N/A
2	9/23/2016	73.4	8008	5811	5774	353070	8290	N/A
3	9/23/2016	76.5	7896	6175	5984	353300	8281	N/A
4	9/23/2016	76.0	7914	5660	5497	352800	8257	N/A
5	9/24/2016	78.0	7852	5825	5699	352760	8246	N/A
6	9/24/2016	75.1	7604	5974	5373	353120	8224	N/A
7	9/24/2016	76.6	7579	5788	4378	353850	8238	N/A
8	9/24/2016	76.0	7904	5902	4626	352730	8212	N/A
9	9/25/2016	75.0	7862	5496	4125	353010	8200	N/A
10	9/25/2016	77.4	7851	6475	4024	353840	8310	N/A
11	9/25/2016	75.5	7845	5959	4108	353650	8215	N/A
12	9/25/2016	71.0	7907	5647	4634	353320	10207	N/A
13	9/26/2016	76.0	7683	5661	5407	353060	8072	N/A
14	9/26/2016	78.3	7362	5862	5146	353950	8090	N/A
15	9/26/2016	77.2	7202	5801	4799	354200	8076	N/A
16	9/26/2016	77.5	7369	5345	5414	352800	8047	N/A
17	9/27/2016	78.8	7498	6019	5437	352420	8030	N/A
18	9/27/2016	74.5	7468	6046	5454	353500	8029	N/A
19	9/27/2016	77.9	7352	5876	4979	356580	8111	N/A
20	9/27/2016	78.2	7412	5718	5248	354260	8015	N/A
21	9/27/2016	77.6	7292	5615	5306	353975	7977	N/A
22	9/28/2016	77.6	7273	5671	5485	353910	7988	N/A
23	9/28/2016	76.7	7391	5885	4621	337230	9155	N/A
24	9/28/2016	73.6	7420	5598	4081	332190	7975	N/A
25	9/28/2016	77.4	7655	5482	5256	354400	10159	N/A
26	9/29/2016	76.5	7459	5667	5183	341900	8378	N/A
27	9/29/2016	77.8	7275	5712	4961	354090	8050	N/A
28	9/29/2016	80.1	7257	5593	4302	353240	8150	N/A
29	9/29/2016	80.1	7456	5591	4770	353800	9650	N/A
30	9/29/2016	78.8	7204	5738	5210	354250	8323	N/A
31	9/30/2016	79.9	7003	5612	5469	353150	7937	N/A
32	9/30/2016	78.1	7010	6137	5342	354940	8015	N/A
33	9/30/2016	79.2	7042	6337	4790	355010	7943	N/A
34	9/30/2016	78.1	7606	5921	5622	355360	10120	N/A
35	10/2/2016	80.4	7009	6069	5710	353900	7907	N/A
36	10/2/2016	77.1	7086	5772	5442	353710	7967	N/A
37	10/2/2016	76.7	7087	4891	5048	332780	8823	N/A
38	10/2/2016	77.7	7073	5809	5508	353400	9222	N/A
39	10/3/2016	80.0	7077	5510	4622	354200	7846	N/A
40	10/3/2016	80.0	7316	5538	5411	354500	8770	N/A
41	10/3/2016	79.0	6857	5779	5503	354380	8051	N/A
42	10/3/2016	78.0	6833	5810	4679	357680	7872	N/A
43	10/3/2016	79.1	7183	6163	4574	352470	9307	N/A
44	10/3/2016	80.5	7209	6249	5547	354400	7906	N/A
45	10/4/2016	73.8	7406	5880	4571	323035	8780	N/A
46	10/4/2016	79.0	6619	5732	3580	354020	7820	N/A
AVG=		77.2	7,402	5,793	5,048	16,174,420	8,381	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
Fresh Water	488'	N/A	488'	N/A
Shale/ Siltstone	0	177	0	177
Shale/ Trace Coal	est. 177	207	est. 177	207
Shale/ Siltstone	est. 207	257	est. 207	257
Shale/ Trace Coal	est. 257	277	est. 257	277
Shale/ Sandstone	est. 277	657	est. 277	657
Limestone/ Siltstone	est. 657	967	est. 657	967
Sandstone	est. 967	987	est. 967	987
Shale/ Limestone/ Siltstone	est. 987	1117	est. 987	1117
Siltstone/ Sandstone	est. 1117	1177	est. 1117	1177
Shale/ Siltstone	est. 1177	1237	est. 1177	1237
Sandstone	est. 1237	1257	est. 1237	1257
Shale/ Siltstone	est. 1257	1397	est. 1257	1397
Sandstone/ Siltstone	est. 1397	1542	est. 1397	1542
Sandstone/ Coal	est. 1542	1602	est. 1542	1602
Siltstone/ Shale	est. 1602	1933	est. 1602	1935
Big Lime	1933	2048	1935	2050
Big Injun	2048	2487	2050	2489
Gantz Sand	2487	2609	2489	2611
Fifty Foot Sandstone	2609	2667	2611	2669
Gordon	2667	3008	2669	3011
Fifth Sandstone	3008	3064	3011	3067
Bayard	3064	3410	3067	3413
Warren	3410	3792	3413	3795
Speechley	3792	4522	3795	4525
Bradford	4522	4985	4525	4988
Benson	4985	5241	4988	5244
Alexander	5241	5434	5244	5437
Elk	5434	6010	5437	6013
Rhinestreet	6010	6353	6013	6356
Sycamore	6353	6528	6356	6546
Middlesex	6528	6665	6546	6734
Burkett	6665	6692	6734	6783
Tully	6692	6745	6783	6902
Marcellus	6745	N/A	6902	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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Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	9/5/2016
Job End Date:	9/21/2016
State:	West Virginia
County:	Doddridge
API Number:	47-017-06426-00-00
Operator Name:	Antero Resources Corporation
Well Name and Number:	Michelle 1H
Latitude:	39.36078100
Longitude:	-80.74886900
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	6,805
Total Base Water Volume (gal):	16,710,962
Total Base Non Water Volume:	0

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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
Water	Antero Resources	Carrier/Base Fluid					
			Water	7732-18-5	100.00000	89.38506	
Sand	U.S. Well Services, LLC	Proppant					
			Crystalline Silica, quartz	14808-60-7	100.00000	10.37347	
HCL Acid (12.6%-17.5%)	U.S. Well Services, LLC	Bulk Acid					
			Water	7732-18-5	87.40000	0.12376	
			Hydrogen Chloride	7647-01-0	17.50000	0.02877	
WFRA-405	U.S. Well Services, LLC	Friction Reducer					
			2-Propenoic acid, polymer with 2-propenamide	9003-06-9	30.00000	0.02259	
			Hydrated light distillate (petroleum)	64742-47-8	30.00000	0.01819	
LGC-15	U.S. Well Services, LLC	Gelling Agents					
			Guar Gum	9000-30-0	50.00000	0.01754	
			Petroleum Distillates	64742-47-8	60.00000	0.01661	
			Suspending agent (solid)	14808-60-7	3.00000	0.00268	
			Surfactant	68439-51-0	3.00000	0.00105	

Bioclear 2000	U.S. Well Services, LLC	Anti-Bacterial Agent					
			2,2-dibromo-3-nitripropionamide	10222-01-2	20.00000	0.00419	
			Deionized Water	7732-18-5	28.00000	0.00239	
SI-1100s	U.S. Well Services, LLC	Scale Inhibitor					
			Copolymer of Maleic and Acrylic acid	52255-49-9	10.00000	0.00150	
			Potassium salt of diethylene triamine penta (methylene phosphonic acid)	15827-60-8	3.00000	0.00052	
			Hexamethylene tramine penta (methylene phosphonic acid)	34690-00-1	3.00000	0.00050	
			Phosphino carboxylic acid polymer	71050-62-9	3.00000	0.00050	
AP One	U.S. Well Services, LLC	Gel Breakers					
			Ammonium Persulfate	7727-54-0	100.00000	0.00037	
AI-302	U.S. Well Services, LLC	Acid Corrosion Inhibitors					
			Water	7732-18-5	95.00000	0.00027	
			2-Propyn-1-olcompound with methyloxirane	38172-91-7	15.00000	0.00004	

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)

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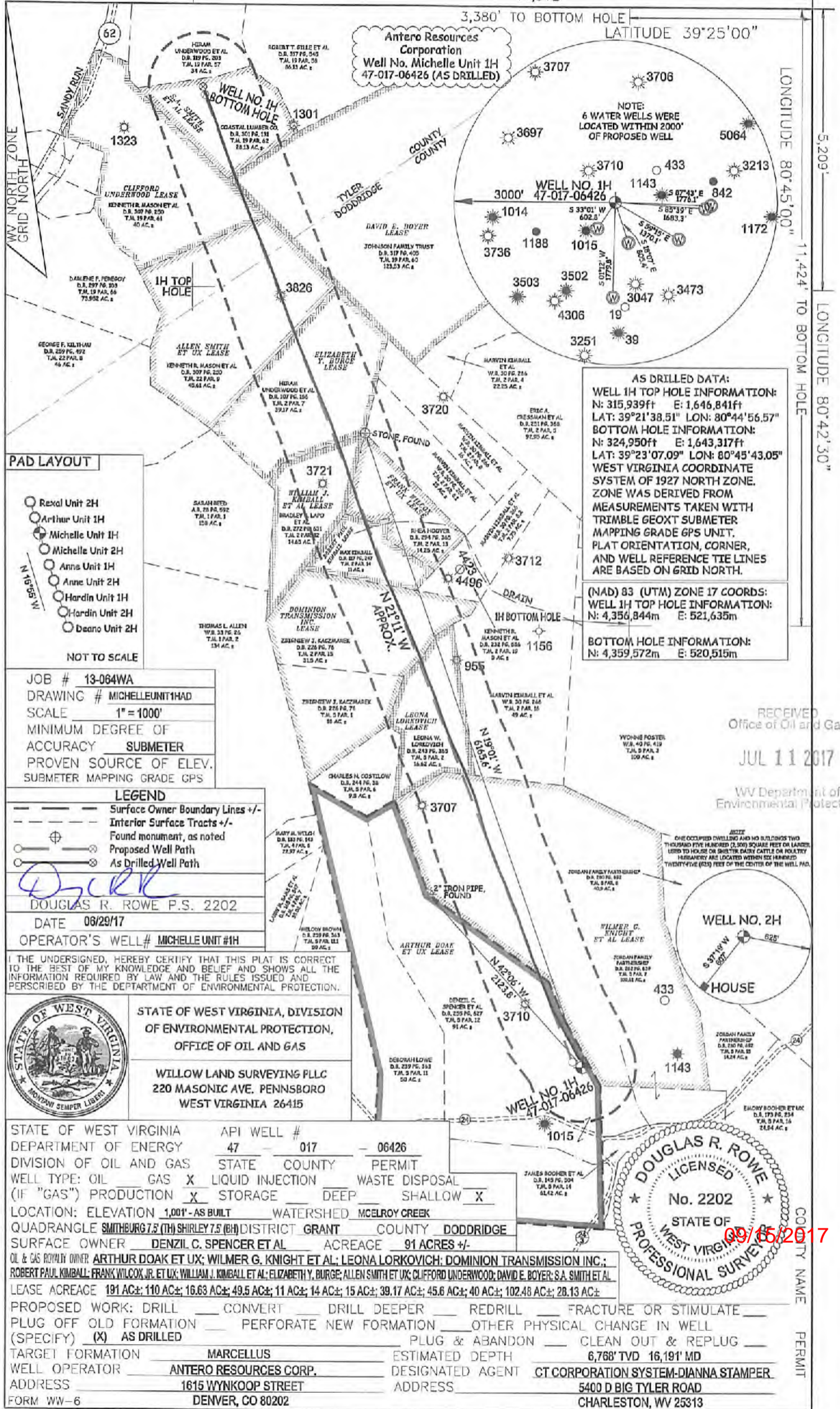
WV Department of
Environmental Protection

LATITUDE 39°22'30"

11,512'

3,380' TO BOTTOM HOLE

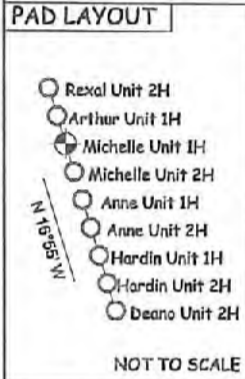
LATITUDE 39°25'00"



Antero Resources Corporation
Well No. Michelle Unit 1H
47-017-06426 (AS DRILLED)

AS DRILLED DATA:
WELL 1H TOP HOLE INFORMATION:
 N: 315,939ft E: 1,646,841ft
 LAT: 39°21'38.51" LON: 80°44'56.57"
BOTTOM HOLE INFORMATION:
 N: 324,950ft E: 1,643,317ft
 LAT: 39°23'07.09" LON: 80°45'43.05"
WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH ZONE.
 ZONE WAS DERIVED FROM MEASUREMENTS TAKEN WITH TRIMBLE GEOXT SUBMETER MAPPING GRADE GPS UNIT. PLATT ORIENTATION, CORNER, AND WELL REFERENCE TIE LINES ARE BASED ON GRID NORTH.

(NAD) 83 (UTM) ZONE 17 COORDS:
WELL 1H TOP HOLE INFORMATION:
 N: 4,356,844m E: 521,635m
BOTTOM HOLE INFORMATION:
 N: 4,359,572m E: 520,515m



JOB # 13-064WA
 DRAWING # MICHELLEUNIT1HAD
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY SUBMETER
 PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS

LEGEND
 - - - Surface Owner Boundary Lines +/-
 - - - Interior Surface Tracts +/-
 ⊕ Found monument, as noted
 ⊙ Proposed Well Path
 ⊙ As Drilled Well Path

D. Rowe
 DOUGLAS R. ROWE P.S. 2202
 DATE 06/29/17
 OPERATOR'S WELL# MICHELLE UNIT #1H

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

STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS
 API WELL # 47-017-06426
 STATE COUNTY PERMIT
 WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1,001' - AS BUILT WATERSHED MCELROY CREEK
 QUADRANGLE SMITHBURG 7.5 (TH) SHIRLEY 7.5 (CH) DISTRICT GRANT COUNTY DODDRIDGE
 SURFACE OWNER DENZIL C. SPENCER ET AL ACREAGE 91 ACRES +/-
 OIL & GAS ROYALTY OWNER ARTHUR DOAK ET UX; WILMER G. KNIGHT ET AL; LEONA LORKOVICH; DOMINION TRANSMISSION INC.; ROBERT PAUL KIMBALL; FRANK WILCOX JR. ET UX; WILLIAM J. KIMBALL ET AL; ELIZABETH Y. BURGE; ALLEN SMITH ET UX; CLIFFORD UNDERWOOD; DAVID E. BOYER; S.A. SMITH ET AL



LEASE ACREAGE 191 AC±; 110 AC±; 16.63 AC±; 49.5 AC±; 11 AC±; 14 AC±; 15 AC±; 39.17 AC±; 45.6 AC±; 40 AC±; 102.48 AC±; 28.13 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 6,768' TVD 16,191' MD
 WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT CT CORPORATION SYSTEM-DIANNA STAMPER
 ADDRESS 1615 WYNKOOP STREET ADDRESS 5400 D BIG TYLER ROAD
 FORM WW-6 DENVER, CO 80202 CHARLESTON, WV 25313

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COUNTY NAME PERMIT

LATITUDE 39°22'30"

11.512'

3,380' TO BOTTOM HOLE

LATITUDE 39°25'00"

5,209'

LONGITUDE 80°45'00"

11,424' TO BOTTOM HOLE

LONGITUDE 80°42'30"

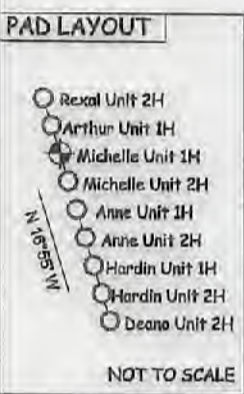
Antero Resources Corporation
Well No. 1H
47-017-06426 (AS DRILLED)

NOTE:
6 WATER WELLS WERE
LOCATED WITHIN 2000'
OF PROPOSED WELL.

AS DRILLED DATA:
WELL 1H TOP HOLE INFORMATION:
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LAT: 39°21'38.51" LON: 80°44'56.57"
BOTTOM HOLE INFORMATION:
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WEST VIRGINIA COORDINATE
SYSTEM OF 1927 NORTH ZONE.
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N: 4,359,572m E: 520,515m



JOB # 13-064WA
DRAWING # MICHELLEUNIT1HAD
SCALE 1" = 1000'
MINIMUM DEGREE OF ACCURACY SUBMETER
PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS

LEGEND
--- Surface Owner Boundary Lines +/-
--- Interior Surface Tracts +/-
⊕ Found monument, as noted
○ Proposed Well Path
⊗ As Drilled Well Path

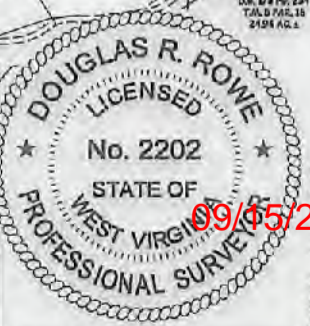
DOUGLAS R. ROWE P.S. 2202
DATE 06/29/17
OPERATOR'S WELL# MICHELLE UNIT #1H

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

STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS
API WELL # 47 - 017 - 06426
WELL TYPE: OIL GAS X LIQUID INJECTION WASTE DISPOSAL
(IF "GAS") PRODUCTION X STORAGE DEEP SHALLOW X
LOCATION: ELEVATION 1,001' - AS BUILT WATERSHED MCELROY CREEK
QUADRANGLE SMITHBURG 7.5 (TH) SHIRLEY 7.5 (OH) DISTRICT GRANT COUNTY DODDRIDGE
SURFACE OWNER DENZIL C. SPENCER ET AL ACREAGE 91 ACRES +/-
OIL & GAS ROYALTY OWNER ARTHUR DOAK ET UX; WILMER G. KNIGHT ET AL; LEONA LORKOVICH; DOMINION TRANSMISSION INC.; ROBERT PAUL KIMBALL; FRANK WILCOX JR. ET UX; WILLIAM J. KIMBALL ET AL; ELIZABETH Y. BURGE; ALLEN SMITH ET UX; CLIFFORD UNDERWOOD; DAVID E. BOYER; S.A. SMITH ET AL



LEASE ACREAGE 191 AC±; 110 AC±; 16.63 AC±; 49.5 AC±; 11 AC±; 14 AC±; 15 AC±; 39.17 AC±; 45.6 AC±; 40 AC±; 102.48 AC±; 28.13 AC±
PROPOSED WORK: DRILL ___ CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___
PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) (X) AS DRILLED ___
TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,769' TVD 16,191' MD
WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT CT CORPORATION SYSTEM-DIANNA STAMPER
ADDRESS 1615 WYNKOOP STREET ADDRESS 5400 D BIG TYLER ROAD
FORM WW-6 DENVER, CO 80202 CHARLESTON, WV 25313

09/05/2017

COUNTY NAME

PERMIT

