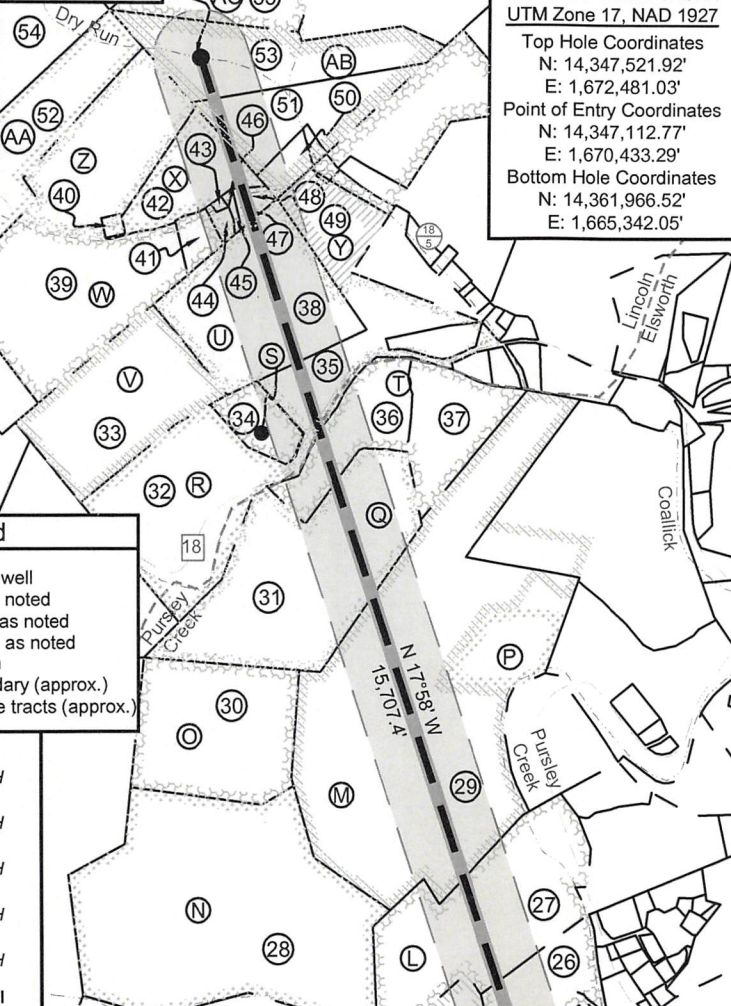
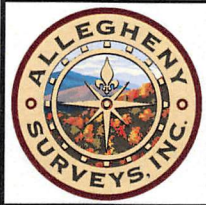


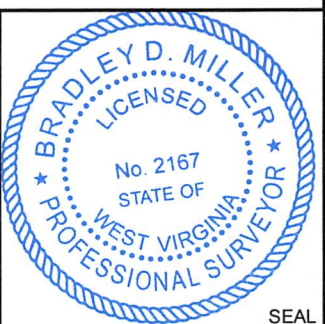
Antero Resources
Well No. Possum Unit 2H
 BHL MOD
 Antero Resources Corporation

10,503' to Bottom Hole
 3,371' to Top Hole
 TOP HOLE LATITUDE 39 - 32 - 30
 BTM HOLE LATITUDE 39 - 35 - 00



Notes:
 Well No. Possum Unit 2H
 UTM Zone 17, NAD 1927
 Top Hole Coordinates
 N: 14,347,521.92'
 E: 1,672,481.03'
 Point of Entry Coordinates
 N: 14,347,112.77'
 E: 1,670,433.29'
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 of 1927, North Zone
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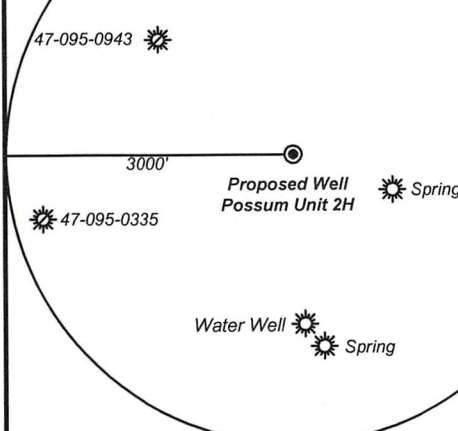


I, the undersigned, hereby certify that this plat is correct to the best of my knowledge and belief and shows all the information required by law and the rules issued and prescribed by the Department of Environmental Protection.
 Bradley D. Miller, P.S. 2167

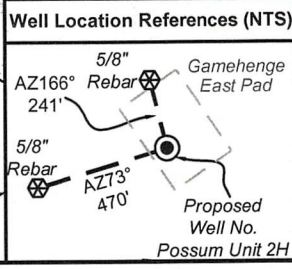
- Legend**
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 - Surface boundary (approx.)
 - Interior surface tracts (approx.)

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 - Maggie Unit 2H 47-095-02638
 - Maggie Unit 1H 47-095-02637
 - Harpua Unit 2H 47-095-02641
 - Harpua Unit 1H 47-095-02636
 - Proposed Well Possum Unit 2H 47-095-02642
 - Possum Unit 1H 47-095-02640

Note: It appears 1 water wells and 2 springs were found within 2000' of proposed well. No occupied dwellings or buildings 2,500 square feet or larger used to house or shelter dairy cattle or poultry husbandry are located within 625' of the center of the well pad.



	Bearing	Dist.
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L4	S 27°21' E	1,075.7'
L5	S 79°39' W	2,088.9'



FILE NO: 39-54-E-16
 DRAWING NO: Possum 2H Well Plat
 SCALE: 1" = 2000'
 MINIMUM DEGREE OF ACCURACY: Submeter
 PROVEN SOURCE OF ELEVATION: WVDOT, Harrisville, WV

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS DIVISION

DATE: November 6 20 19
 OPERATOR'S WELL NO. Possum 2H
 API WELL NO
 47 - 095 - 02642
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
 Proposed 1061'
 LOCATION: ELEVATION: Existing 1072' WATERSHED: Outlet Middle Island Creek QUADRANGLE: Paden City
 DISTRICT: Ellsworth/Lincoln Sandra L. Baumgardner; COUNTY: Tyler 217.30; 91.831;
 SURFACE OWNER: Barbara Kay Turner Jean Cline; Diane W. Kestle; Kathryn L. Watkins; COUNTY: Tyler 74.169; 452.99125;
 Scott Denomme, et ux; David E. Bowyer; Michael D. Reynolds; ACREAGE: 26.18 62.84375; 64.18;
 ROYALTY OWNER: Naomi V. Beagle; Linda L. Newbrough; Sarah A. Midcap (2); LEASE NO: ACREAGE: 109.48; 46.43;
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 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) BHL MOD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 7,000' TVD
 25,300' MD

WELL OPERATOR: Antero Resources Corporation DESIGNATED AGENT: Dianna Stamper - CT Corporation System
 ADDRESS: 1615 Wynkoop Street ADDRESS: 5400 D Big Tyler Road
 Denver, CO 80202 Charleston, WV 25313

ID	TM/Par	Owner	Bk/Pg	Acres
1	15-18	Barbara Kay Turner	398/670	26.18
2	15-19	David Mendenhall, et al	282/723	45.00
3	14-27	Ridgetop Capital LP	372/299	64.96
4	14-60.2	Douglas & Tricia Long	333/872	24.47
5	14-60	James A. Jr. & Angela K. Long	333/188	23.99
6	14-58	Linda Newbrough	WB 36/617	10.31
7	14-57	Danny Eugene Cochran	344/251	40.30
8	14-56.1	Boyd M. & Patricia L. Parr	358/643	35.33
9	14A-29	Victor A. & Lorraine Weekley	299/300	13.00
10	14A-29.1	Mensore J.C. Distributors	285/213	1.00
11	14-23	Jackie R. Brookover II	321/749	6.88
12	14-20.1	Jackie R. Brookover II	346/29	13.46
13	14-24	Ridgetop Capital LP	372/299	124.76
14	14-26	Barbara Kay Turner	398/670	26.34
15	14-25	Stanley M. & Irene E. Koterba, et al	331/32	126.05
16	14-18	Terry W. & Carolyn Sue Tracy	193/473	37.00
17	14-9	Robert L. Keller	299/379	116.90
18	14-8	Christine Connell, et al	---/---	37.00
19	14-25.2	Andrew B. & Angela M. Negie	489/577	3.00
20	14-25.1	Roy F. Gorrell	447/180	2.00
21	14-10	Sarah A. Midcap	342/568	40.00
22	14-9.1	John W. & Ida L. Murner	338/162	6.00
23	9-36.2	Ron & Charlene Vancamp	296/390	28.79
24	9-39	Tyler County Board of Education	290/88	65.00
25	9-40.1	Tyler County Board of Education	290/88	9.17
26	9-40	Sarah A. Midcap	168/3	16.83
27	9-31	Sarah A. Midcap	168/3	74.00
28	9-30	Heartwood Forestland Fund II LP	326/547	144.31
29	9-15	Heartwood Forestland Fund II LP	326/547	225.64
30	9-20	Heartwood Forestland Fund II LP	326/547	57.61
31	9-14	Leroy Kent Morris, et al	480/311	93.63
32	13-8	D.H. Jr., & Janice K. Lancaster	351/288	52.84
33	13-3	Mark E. Heintzman	221/635	51.96
34	13-4	William Franklin Ferrell	207/417	10.75
35	9-44	Diane W. Clark	WB 39/544	40.68
36	9-1	Linda L. Stemple	369/9	24.24
37	9-2	William & Margaret Garrett	284/41	22.19
38	9-36	Diane W. Clark	WB 39/544	59.00
39	9-28	Constance Heintzman	WB 43/505	104.50
40	9-29	Russell D. & Mary A. Adams	190/300	1.00
41	9-28.1	Ervin L. & Betty M. Bassett	299/158	4.35
42	9-30	Ervin L. & Betty M. Bassett	309/391	19.57
43	9-30.4	Ervin L. & Betty M. Bassett	337/119	0.34
44	9-30.5	Georgeanna & Scott Michael	414/470	1.53
45	9-30.6	Georgeanna & Scott Michael	423/709	0.58
46	9-30.3	Ervin L. & Betty M. Bassett	337/119	0.23
47	9-30.2	Mark B. Hubbard, Jr.	309/388	1.27
48	9-30.1	Mark B. Hubbard, Jr.	423/709	1.38
49	9-35	Mark E. Heintzman	246/532	19.75
50	9-31.2	Ralph & Sylvia Harter	347/178	4.57
51	9-31	Russell L. & Mary E. Myers	347/263	31.45
52	9-27	Robert Livio Bolner	226/593	59.00
53	9-31.1	Russell L. & Mary E. Myers	340/654	38.04
54	9-24	Ethan A. & Marsha L. Riffle	299/26	82.00
55	9-19	Russell L. & Mary E. Myers	337/26	93.17

Lessor	
A	Linda L. Newbrough
B	Jack Russell Folger, et ux
C	Naomi V. Beagle
D	Douglas H. Long, et ux
E	James A. Long, Jr., et ux
F	Linda L. Newbrough
G	Nathaniel Hendricks
H	Scott Denomme, et ux
I	Scott Denomme, et ux
J	Stanley M. & Irene E. Koterba
K	Sarah A. Midcap
L	Sarah A. Midcap
M	David E. Bowyer
N	Waco Oil & Gas Co. Inc.
O	BRC Appalachian Minerals I, LLC
P	Marilyn S. Parkinson
Q	Sandra L. Baumgardner
R	Donald Lancaster, Jr., et ux
S	Thomas Goodwin, et ux
T	Kathryn L. Watkins
U	Diane W. Kestle
V	Melodee Matheny
W	BRC Appalachian Minerals I, LLC
X	Jean Cline
Y	Mark E. Heintzman
Z	Martha Hayes, et vir
AA	Richard L. Clark
AB	Michael D. Reynolds
AC	Timothy L. Vancamp



FILE NO: 39-54-E-16
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 Submeter
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 WVDOT, Harrisville, WV

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS DIVISION

DATE: November 6 20 19
 OPERATOR'S WELL NO. Possum 2H
 API WELL NO
 47 - 095 - 02642
 STATE COUNTY PERMIT

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 ADDRESS: 1615 Wynkoop Street ADDRESS: 5400 D Big Tyler Road
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west virginia department of environmental protection

Office of Oil and Gas
601 57th Street, S.E.
Charleston, WV 25304
(304) 926-0450
fax: (304) 926-0452

Austin Caperton, Cabinet Secretary
www.dep.wv.gov

Wednesday, January 15, 2020
PERMIT MODIFICATION APPROVAL
Horizontal 6A / New Drill

ANTERO RESOURCES CORPORATION
1615 WYNKOOP STREET

DENVER, CO 80202

Re: Permit Modification Approval for POSSUM UNIT 2H
47-095-02642-00-00

Extend Lateral Length

ANTERO RESOURCES CORPORATION

The Office of Oil and Gas has reviewed the attached permit modification for the above referenced permit. The attached modification has been approved and well work may begin. Please be reminded that the oil and gas inspector is to be notified twenty-four (24) hours before permitted well work is commenced.

If there are any questions, please feel free to contact me at (304) 926- 0450.

James A. Martin
Chief

Operator's Well Number: POSSUM UNIT 2H
Farm Name: BARBARA KAY TURNER
U.S. WELL NUMBER: 47-095-02642-00-00
Horizontal 6A New Drill
Date Modification Issued: 1/15/2020

Promoting a healthy environment.

WW-6B
(04/15)

API NO. 47- 095 - 02642
OPERATOR WELL NO. Possum Unit 2H
Well Pad Name: Gamehenge East Pad

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
WELL WORK PERMIT APPLICATION

- 1) Well Operator: Antero Resources Corporation

<u>494507062</u>	<u>095 - Tyler</u>	<u>Ellsworth</u>	<u>Paden City 7.5'</u>
------------------	--------------------	------------------	------------------------

Operator ID County District Quadrangle
- 2) Operator's Well Number: Possum Unit 2H Well Pad Name: Gamehenge East Pad
- 3) Farm Name/Surface Owner: Barbara Kay Turner Public Road Access: State Ridge Road
- 4) Elevation, current ground: 1072' Elevation, proposed post-construction: ~1061'
- 5) Well Type (a) Gas Oil _____ Underground Storage _____
Other _____
(b)If Gas Shallow Deep _____
Horizontal
- 6) Existing Pad: Yes or No No
- 7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):
Marcellus Shale: 7000' TVD, Anticipated Thickness- 55 feet, Associated Pressure- 2850#
- 8) Proposed Total Vertical Depth: 7000' TVD
- 9) Formation at Total Vertical Depth: Marcellus
- 10) Proposed Total Measured Depth: 25300' MD
- 11) Proposed Horizontal Leg Length: 15707'
- 12) Approximate Fresh Water Strata Depths: 363'
- 13) Method to Determine Fresh Water Depths: Offset well records. Depths have been adjusted according to surface elevations.
- 14) Approximate Saltwater Depths: 1093'
- 15) Approximate Coal Seam Depths: 550'
- 16) Approximate Depth to Possible Void (coal mine, karst, other): None Anticipated
- 17) Does Proposed well location contain coal seams directly overlying or adjacent to an active mine? Yes _____ No
- (a) If Yes, provide Mine Info: Name: _____
Depth: _____
Seam: _____
Owner: _____

RECEIVED
Office of Oil and Gas

NOV 12 2019

WW-6B
(04/15)

API NO. 47-095 - 02642

OPERATOR WELL NO. Possum Unit 2H

Well Pad Name: Gamehenge East Pad

18)

CASING AND TUBING PROGRAM

TYPE	<u>Size (in)</u>	<u>New or Used</u>	<u>Grade</u>	<u>Weight per ft. (lb/ft)</u>	<u>FOOTAGE: For Drilling (ft)</u>	<u>INTERVALS: Left in Well (ft)</u>	<u>CEMENT: Fill-up (Cu. Ft.)/CTS</u>
Conductor	20"	New	H-40	94#	80	80	CTS, 77 Cu. Ft.
Fresh Water	13-3/8"	New	J-55	54.5#	413 *see # 19	413 *see # 19	CTS, 574 Cu. Ft.
Coal	9-5/8"	New	J-55	36#	2500	2500	CTS, 1018 Cu. Ft.
Intermediate							
Production	5-1/2"	New	P-110	23#	25300	25300	6549 Cu. Ft
Tubing	2-3/8"	New	N-80	4.7#			
Liners							

TYPE	<u>Size (in)</u>	<u>Wellbore Diameter (in)</u>	<u>Wall Thickness (in)</u>	<u>Burst Pressure (psi)</u>	<u>Anticipated Max. Internal Pressure (psi)</u>	<u>Cement Type</u>	<u>Cement Yield (cu. ft./k)</u>
Conductor	20"	24"	0.438"	1530	50	Class A	~1.18
Fresh Water	13-3/8"	17-1/2"	0.38"	2730	1000	Class A	~1.18
Coal	9-5/8"	12-1/4"	0.352"	3520	1500	Class A	~1.18
Intermediate							
Production	5-1/2"	8-3/4" & 8-1/2"	0.415"	12,630	2500	Lead-H/POZ & Tail - H	H/POZ-1.44 & H-1.8
Tubing	2-3/8"	4.778"	0.19"	11,200			
Liners							

PACKERS

Kind:	N/A			
Sizes:	N/A			
Depths Set:	N/A			

RECEIVED
Office of Oil and Gas

NOV 12 2019

WV Department of
Environmental Protection

WW-6B
(10/14)

API NO. 47- 095 - 02642

OPERATOR WELL NO. Possum Unit 2H

Well Pad Name: Gamehenge East Pad

19) Describe proposed well work, including the drilling and plugging back of any pilot hole:

Drill, perforate, fracture a new horizontal shallow well and complete Marcellus Shale.

*Antero will be air drilling the fresh water string which makes it difficult to determine when fresh water is encountered. Therefore, we have built in a buffer for the casing setting depth which helps to ensure that all fresh water zones are covered.

20) Describe fracturing/stimulating methods in detail, including anticipated max pressure and max rate:

Antero plans to pump Slickwater into the Marcellus Shale formation in order to ready the well for production. The fluid will be comprised of approximately 99 percent water and sand, with less than 1 percent special-purpose additives as shown in the attached "List of Anticipated Additives Used for Fracturing or Stimulating Well."

Anticipated Max Pressure - 9300 lbs
Anticipated Max Rate - 80 bpm

21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 7.45 acres

22) Area to be disturbed for well pad only, less access road (acres): 7.45 acres

23) Describe centralizer placement for each casing string:

Conductor: no centralizers

Surface Casing: one centralizer 10' above the float shoe, one on the insert float collar and one every 4th joint spaced up the hole to surface.

Intermediate Casing: one centralizer above float joint, one centralizer 5' above float collar and one every 4th collar to surface.

Production Casing: one centralizer at shoe joint and one every 3 joints to top of cement in intermediate casing.

24) Describe all cement additives associated with each cement type:

Conductor: no additives, Class A cement.

Surface: Class A cement with 2-3% calcium chloride and 1/4 lb of flake

Intermediate: Class A cement with 1/4 lb of flake, 5 gallons of clay treat

Production: Lead cement- 50/50 Class H/Poz + 1.5% salt + 1% C-45 + 0.5% C-16a + 0.2% C-12 + 0.45% C-20 + 0.05% C-51

Production: Tail cement- Class H + 45 PPS Calcium Carbonate + 1.0% FL-160 + 0.2% ACGB-47 + 0.05% ACSA-51 + 0.2% ACR-20

25) Proposed borehole conditioning procedures:

Conductor: blowhole clean with air, run casing, 10 bbls fresh water.

Surface: blowhole clean with air, trip to conductor shoe, trip to bottom, blowhole clean with air, trip out, run casing, circulate pipe capacity + 40 bbls fresh water followed by 25 bbls bentonite mud, 10 bbls fresh water spacer.

Intermediate: blowhole clean with air, trip to surface casing shoe, trip to bottom, blowhole clean with air, trip out, run casing, circulate 40 bbls brine water followed by 10 bbls fresh water and 25 bbls bentonite mud, pump 10 bbls fresh water.

Production: circulate with 14 lb/gal NaCl mud, trip to middle of lateral, circulate, pump high viscosity sweep, trip to base of curve, pump high viscosity sweep, trip to top of curve, trip to bottom, circulate, pump high viscosity sweep, trip out, run casing, circulate 10 bbls fresh water, pump 48 bbls barite pill, pump 10 bbls fresh water followed by 48 bbls mud flush and 10 bbls water.

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Office of Oil and Gas

*Note: Attach additional sheets as needed.

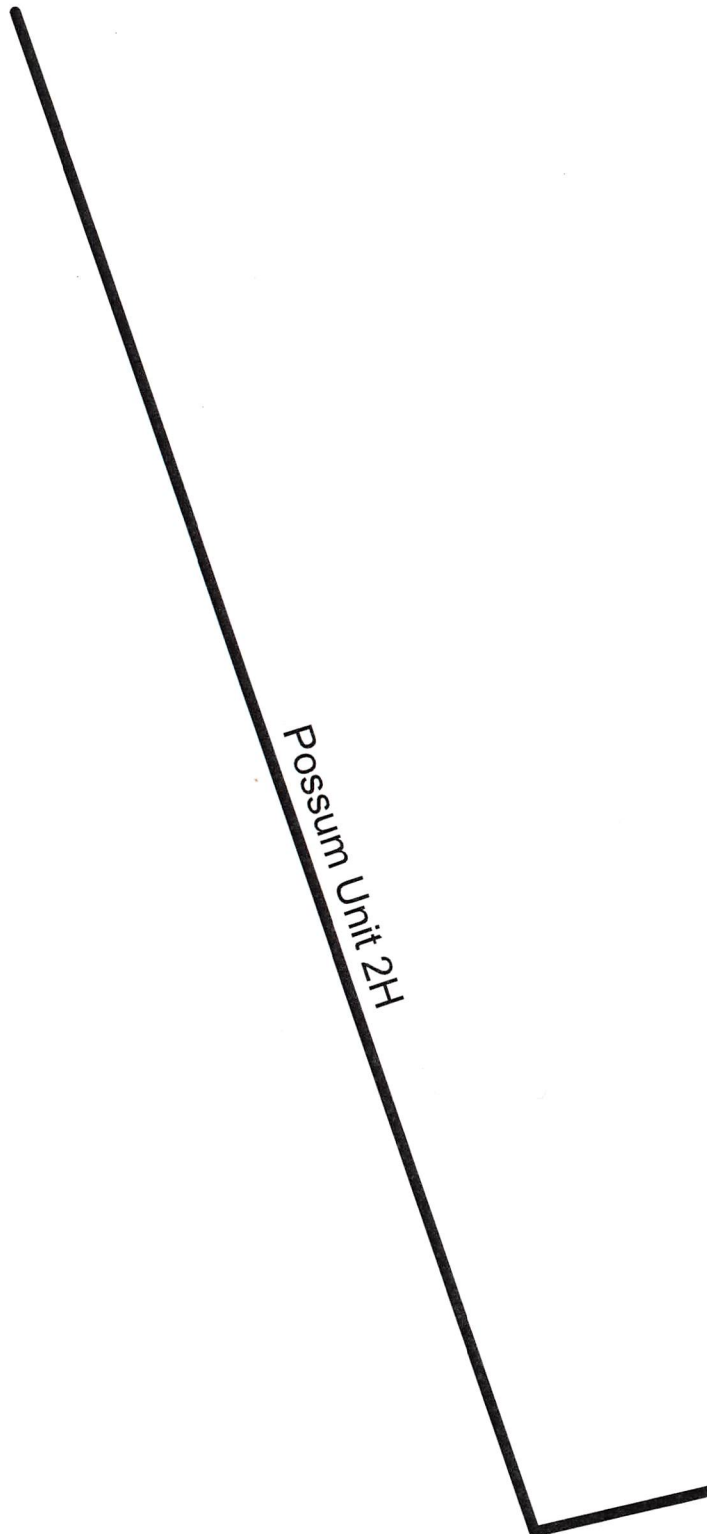
NOV 12 2019

Page 3 of 3



POSSUM UNIT 2H (GAMEHENGE EAST PAD) - AREA OF REVIEW
35-8-5.11 PAGE 1

PERMIT MODIFICATION API # 47-095-02642



Antero Resources Corporation

Possam Unit 2H - AOR



REMARKS
No Wells of Interest

June 20, 2019

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Office of Oil and Gas

NOV 12 2019

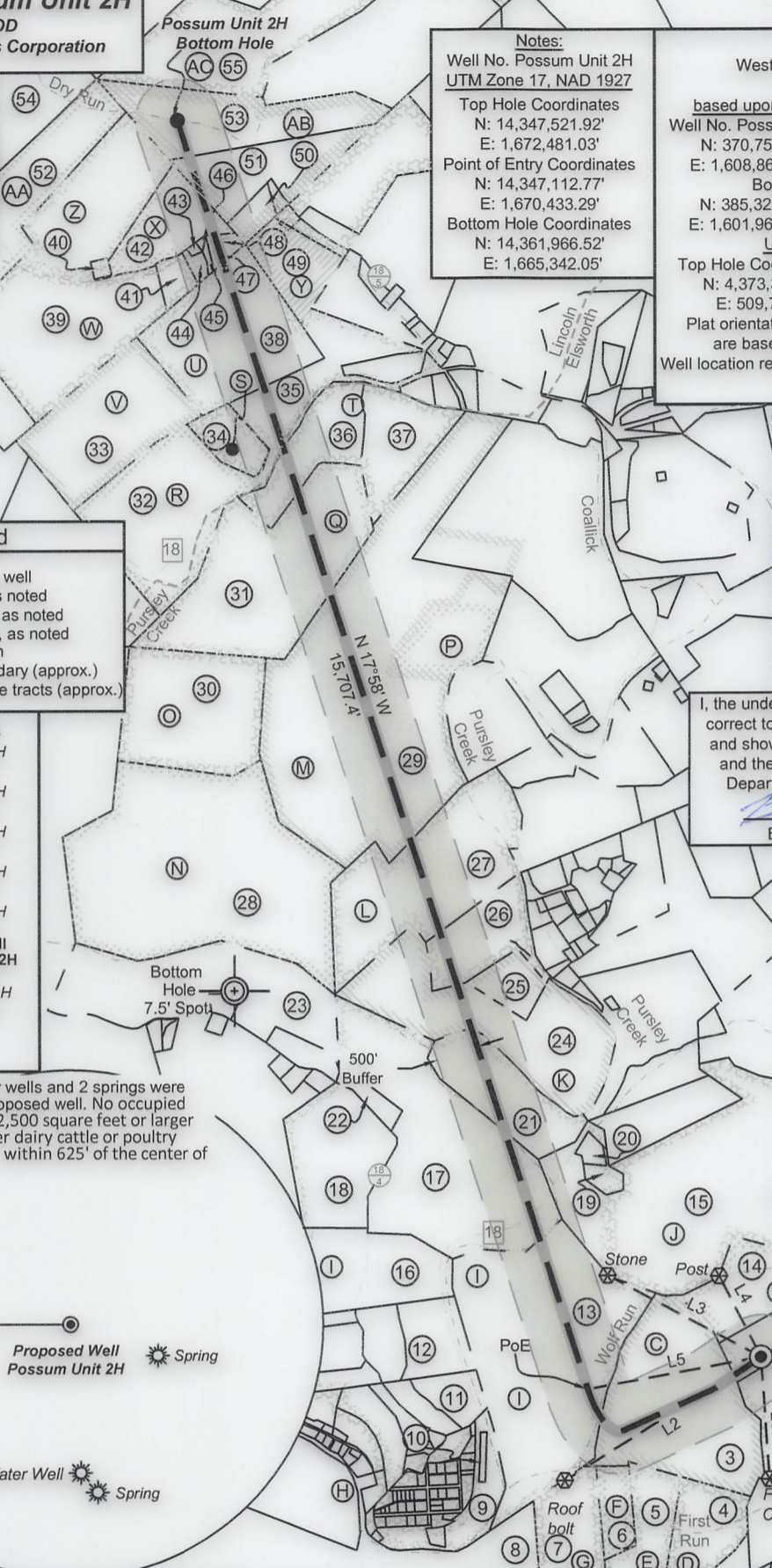
WV Department of
Environmental Protection

Antero Resources
Well No. Possum Unit 2H
 BHL MOD
 Antero Resources Corporation

10,503' to Bottom Hole

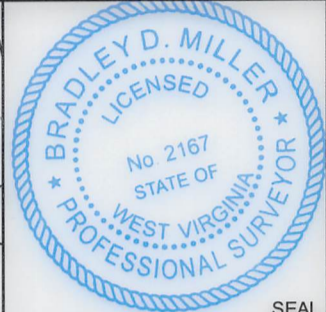
3,371' to Top Hole

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 BTM HOLE LATITUDE 39 - 35 - 00



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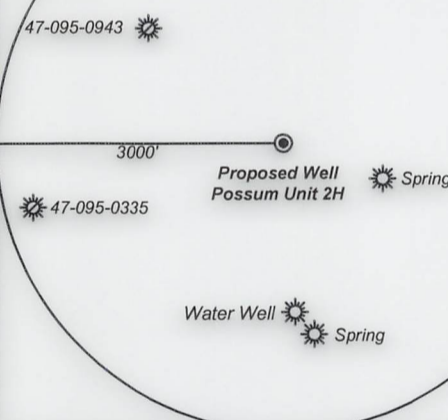
I, the undersigned, hereby certify that this plat is correct to the best of my knowledge and belief and shows all the information required by law and the rules issued and prescribed by the Department of Environmental Protection.
 Bradley D. Miller, P.S. 2167

Legend
 Proposed gas well
 Monument, as noted
 Existing Well, as noted
 Digitized Well, as noted
 Creek or Drain
 Surface boundary (approx.)
 Interior surface tracts (approx.)

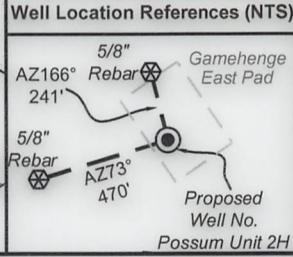
Wellhead Layout (NTS)

 Maggie Unit 3H
 47-095-02639
 Maggie Unit 2H
 47-095-02638
 Maggie Unit 1H
 47-095-02637
 Harpua Unit 2H
 47-095-02641
 Harpua Unit 1H
 47-095-02636
 Proposed Well
 Possum Unit 2H
 47-095-02642
 Possum Unit 1H
 47-095-02640

Note: It appears 1 water wells and 2 springs were found within 2000' of proposed well. No occupied dwellings or buildings 2,500 square feet or larger used to house or shelter dairy cattle or poultry husbandry are located within 625' of the center of the well pad.



	Bearing	Dist.
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L2	N 58°04' E	2,743.1'
L3	S 62°03' E	2,057.4'
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L5	S 79°39' W	2,088.9'



FILE NO: 39-54-E-16
 DRAWING NO: Possum 2H Well Plat
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 Submeter
 PROVEN SOURCE OF ELEVATION:
 WVDOT, Harrisville, WV

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS DIVISION

DATE: November 6 20 19
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 API WELL NO
 47 - 095 - 02642
 STATE COUNTY PERMIT

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 (IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
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 DISTRICT: Ellsworth/Lincoln Sandra L. Baumgardner; COUNTY: Tyler 217.30; 91.831;
 Jean Cline; Diane W. Kestle; Kathryn L. Watkins; 74.169; 452.99125;
 SURFACE OWNER: Barbara Kay Turner Scott Denomme, et ux; David E. Bowyer; Michael D. Reynolds; ACREAGE: 26.18 62.84375; 64.18;
 ROYALTY OWNER: Naomi V. Beagle; Linda L. Newbrough; Sarah A. Midcap (2); LEASE NO: ACREAGE: 109.48; 46.43;
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) BHL MOD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 7,000' TVD
 25,300' MD

WELL OPERATOR: Antero Resources Corporation DESIGNATED AGENT: Dianna Stamper - CT Corporation System
 ADDRESS: 1615 Wynkoop Street ADDRESS: 5400 D Big Tyler Road
 Denver, CO 80202 Charleston, WV 25313

ID	TM/Par	Owner	Bk/Pg	Acres
1	15-18	Barbara Kay Turner	398/670	26.18
2	15-19	David Mendenhall, et al	282/723	45.00
3	14-27	Ridgetop Capital LP	372/299	64.96
4	14-60.2	Douglas & Tricia Long	333/872	24.47
5	14-60	James A. Jr. & Angela K. Long	333/188	23.99
6	14-58	Linda Newbrough	WB 36/617	10.31
7	14-57	Danny Eugene Cochran	344/251	40.30
8	14-56.1	Boyd M. & Patricia L. Parr	358/643	35.33
9	14A-29	Victor A. & Lorraine Weekley	299/300	13.00
10	14A-29.1	Mensore J.C. Distributors	285/213	1.00
11	14-23	Jackie R. Brookover II	321/749	6.88
12	14-20.1	Jackie R. Brookover II	346/29	13.46
13	14-24	Ridgetop Capital LP	372/299	124.76
14	14-26	Barbara Kay Turner	398/670	26.34
15	14-25	Stanley M. & Irene E. Koterba, et al	331/32	126.05
16	14-18	Terry W. & Carolyn Sue Tracy	193/473	37.00
17	14-9	Robert L. Keller	299/379	116.90
18	14-8	Christine Connell, et al	---/---	37.00
19	14-25.2	Andrew B. & Angela M. Negie	489/577	3.00
20	14-25.1	Roy F. Gorrell	447/180	2.00
21	14-10	Sarah A. Midcap	342/568	40.00
22	14-9.1	John W. & Ida L. Murner	338/162	6.00
23	9-36.2	Ron & Charlene Vancamp	296/390	28.79
24	9-39	Tyler County Board of Education	290/88	65.00
25	9-40.1	Tyler County Board of Education	290/88	9.17
26	9-40	Sarah A. Midcap	168/3	16.83
27	9-31	Sarah A. Midcap	168/3	74.00
28	9-30	Heartwood Forestland Fund II LP	326/547	144.31
29	9-15	Heartwood Forestland Fund II LP	326/547	225.64
30	9-20	Heartwood Forestland Fund II LP	326/547	57.61
31	9-14	Leroy Kent Morris, et al	480/311	93.63
32	13-8	D.H. Jr., & Janice K. Lancaster	351/288	52.84
33	13-3	Mark E. Heintzman	221/635	51.96
34	13-4	William Franklin Ferrell	207/417	10.75
35	9-44	Diane W. Clark	WB 39/544	40.68
36	9-1	Linda L. Stemple	369/9	24.24
37	9-2	William & Margaret Garrett	284/41	22.19
38	9-36	Diane W. Clark	WB 39/544	59.00
39	9-28	Constance Heintzman	WB 43/505	104.50
40	9-29	Russell D. & Mary A. Adams	190/300	1.00
41	9-28.1	Ervin L. & Betty M. Bassett	299/158	4.35
42	9-30	Ervin L. & Betty M. Bassett	309/391	19.57
43	9-30.4	Ervin L. & Betty M. Bassett	337/119	0.34
44	9-30.5	Georgeanna & Scott Michael	414/470	1.53
45	9-30.6	Georgeanna & Scott Michael	423/709	0.58
46	9-30.3	Ervin L. & Betty M. Bassett	337/119	0.23
47	9-30.2	Mark B. Hubbard, Jr.	309/388	1.27
48	9-30.1	Mark B. Hubbard, Jr.	423/709	1.38
49	9-35	Mark E. Heintzman	246/532	19.75
50	9-31.2	Ralph & Sylvia Harter	347/178	4.57
51	9-31	Russell L. & Mary E. Myers	347/263	31.45
52	9-27	Robert Livio Bolner	226/593	59.00
53	9-31.1	Russell L. & Mary E. Myers	340/654	38.04
54	9-24	Ethan A. & Marsha L. Riffle	299/26	82.00
55	9-19	Russell L. & Mary E. Myers	337/26	93.17

Lessor	
A	Linda L. Newbrough
B	Jack Russell Folger, et ux
C	Naomi V. Beagle
D	Douglas H. Long, et ux
E	James A. Long, Jr., et ux
F	Linda L. Newbrough
G	Nathaniel Hendricks
H	Scott Denomme, et ux
I	Scott Denomme, et ux
J	Stanley M. & Irene E. Koterba
K	Sarah A. Midcap
L	Sarah A. Midcap
M	David E. Bowyer
N	Waco Oil & Gas Co. Inc.
O	BRC Appalachian Minerals I, LLC
P	Marylin S. Parkinson
Q	Sandra L. Baumgardner
R	Donald Lancaster, Jr., et ux
S	Thomas Goodwin, et ux
T	Kathryn L. Watkins
U	Diane W. Kestle
V	Melodee Matheny
W	BRC Appalachian Minerals I, LLC
X	Jean Cline
Y	Mark E. Heintzman
Z	Martha Hayes, et vir
AA	Richard L. Clark
AB	Michael D. Reynolds
AC	Timothy L. Vancamp



FILE NO: 39-54-E-16
 DRAWING NO: Possum 2H Well Plat
 SCALE: 1" = 2000'
 MINIMUM DEGREE OF ACCURACY:
Submeter
 PROVEN SOURCE OF ELEVATION:
WVDOT, Harrisville, WV

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS DIVISION

DATE: November 6 20 19
 OPERATOR'S WELL NO. Possum 2H
 API WELL NO
47 - 095 - 02642
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
 Proposed 1061'
 LOCATION: ELEVATION: Existing 1072' WATERSHED: Outlet Middle Island Creek QUADRANGLE: Paden City
 DISTRICT: Ellsworth/Lincoln Sandra L. Baumgardner; COUNTY: Tyler 217.30; 91.831;
 SURFACE OWNER: Barbara Kay Turner Jean Cline; Diane W. Kestle; Kathryn L. Watkins; 74.169; 452.99125;
 ROYALTY OWNER: Naomi V. Beagle; Linda L. Newbrough; Sarah A. Midcap (2); Scott Denomme, et ux; David E. Bowyer; Michael D. Reynolds; ACREAGE: 26.18 62.84375; 64.18;
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 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) BHL MOD 93.63; 74.47; 25.5;
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 7,000' TVD
25,300' MD
 WELL OPERATOR: Antero Resources Corporation DESIGNATED AGENT: Dianna Stamper - CT Corporation System
 ADDRESS: 1615 Wynkoop Street ADDRESS: 5400 D Big Tyler Road
Denver, CO 80202 Charleston, WV 25313

WW-6A1

Operator's Well Number Possum Unit 2H

INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE
Chapter 22, Article 6A, Section 5(a)(5)
IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that –

- (1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Grantor, lessor, etc.	Grantee, lessee, etc.	Royalty	Book/Page
<u>Linda L. Newbrough Lease</u>			
Linda L. Newbrough	Chesapeake Appalachia, LLC	1/8	0373/0234
Chesapeake Appalachia, LLC	Statoil USA Onshore Properties, Inc	Assignment	0376/0733
Statoil USA Onshore Properties, Inc	EQT Production Company	Assignment	0539/0239
EQT Production Company	Antero Resources Corporation	Assignment	0663/0001
<u>Naomi V. Beagle Lease</u>			
Naomi V. Beagle	Antero Resources Corporation	1/8+	0535/0464
<u>Scott Denomme, et ux Lease</u>			
Scott Denomme, et ux	Antero Resources Corporation	1/8+	0535/0187
<u>Sarah A. Midcap Lease (TM 9 PCL 39)</u>			
Sarah A. Midcap	Antero Resources Corporation	1/8+	0472/0580
<u>Sarah A. Midcap Lease (TM 9 PCL 31)</u>			
Sarah A. Midcap	Antero Resources Corporation	1/8+	0472/0582
<u>David E. Bowyer Lease</u>			
David E. Bowyer	Antero Resources Corporation	1/8+	0569/0503
<u>Sandra L. Baumgardner Lease</u>			
Sandra L. Baumgardner	Antero Resources Corporation	1/8+	0576/0083
<u>Kathryn L. Watkins Lease</u>			
Kathryn L. Watkins	Triad Hunter LLC	1/8	0387/0657
Triad Hunter LLC	Antero Resources Corporation	Assignment	0496/0776
<u>Diane W. Kestle Lease</u>			
Diane W. Kestle	Antero Resources Corporation	1/8+	0504/0232
<u>Jean Cline Lease</u>			
Jean Cline	Antero Resources Corporation	1/8+	0538/0813

RECEIVED
 Office of Oil and Gas
 NOV 12 2019
 WV Department of
 Environmental Protection

*Partial Assignments to Antero Resources Corporation include 100% rights to extract, produce and market the oil and gas from the Marcellus and any other formations completed with this well.

WW-6A1
(5/13)

Operator's Well No. Possum Unit 2H

**INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE
Chapter 22, Article 6A, Section 5(a)(5)
IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)**

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- (1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Lease Name or Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
<u>Michael D. Reynolds Lease</u>	Michael D. Reynolds	Antero Resources Corporation	1/8+	0633/0549

*Partial Assignments to Antero Resources Corporation include 100% rights to extract, produce and market the oil and gas from the Marcellus and any other formations completed with this well.

**Acknowledgement of Possible Permitting/Approval
In Addition to the Office of Oil and Gas**

The permit applicant for the proposed well work addressed in this application hereby acknowledges the possibility of the need for permits and/or approvals from local, state, or federal entities in addition to the DEP, Office of Oil and Gas, including but not limited to the following:

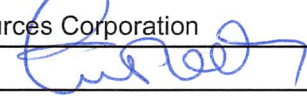
- WV Division of Water and Waste Management
- WV Division of Natural Resources WV Division of Highways
- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service
- County Floodplain Coordinator

The applicant further acknowledges that any Office of Oil and Gas permit in no way overrides, replaces, or nullifies the need for other permits/approvals that may be necessary and further affirms that all needed permits/approvals should be acquired from the appropriate authority before the affected activity is initiated.

RECEIVED
Office of Oil and Gas

NOV 12 2019

WV Department of
Environmental Protection

Well Operator: Antero Resources Corporation
By: Tim Rady 
Its: VP of Land