

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

Harold D. Ward, Cabinet Secretary www.dep.wv.gov

Monday, May 24, 2021 PERMIT MODIFICATION APPROVAL Horizontal 6A / New Drill

ANTERO RESOURCES CORPORATION 1615 WYNKOOP STREET

DENVER, CO 80202

Re: Permit Modification Approval for WADE 1H 47-095-02729-00-00

Lateral Extension

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 Chie

Operator's Well Number:
Farm Name:WADE 1H
ROGER D. BLIZZARD & RUTH E. SPENCERU.S. WELL NUMBER:
Horizontal 6A47-095-02729-00-00May 24, 2021May 24, 2021

Promoting a healthy environment.



Antero Resources 1615 Wynkoop Street Denver, CO 80202 Office 303.357.7310 Fax 303.357.7315

West Virginia Department of Environmental Protection Office of Oil and Gas Attn: Ms. Laura Adkins 601 57th Street Charleston, WV 25304

Ms. Laura Adkins:

April 26, 2021

Antero Resources Corporation (Antero) would like to submit the following permit modifications for the following approved wells on the existing Blizzard Pad: Wade Unit 1H (API # 47-095-02729).

Attached you will find the following documents:

- > REVISED Form WW-6B, which shows the updated POE & Measured Depth
- > REVISED Form WW-6A1, which shows the new leases we will be drilling into
- > REVISED Mylar Plat, which shows the new Lateral Length & Estimated Measured Depth
- > AOR & As-Built Design

If you have any questions please feel free to contact me at (303) 357-7223.

Thank you in advance for your consideration.

Sincerel Megan Griffith

Permitting Agent Antero Resources Corporation

RECEIVED Office of Oil and Gas

APR 2 9 2021

WV Department of Environmental Protection

Enclosures

PERMIT MODIFICATION API # 47-095-02729

API NO. 47- 095 - 02729 OPERATOR WELL NO. Wade Unit 1H Well Pad Name: Blizzard Pad

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

1) Well Operator: Anter	o Resources Corpor	494507062	095 - Tyler	Ellsworth	Shirley 7.5'
		Operator ID	County	District	Quadrangle
2) Operator's Well Numb	ber: Wade Unit 1H	Well P	ad Name: Blizza	ard Pad	
3) Farm Name/Surface O	WNET: Roger D. Blizzard & Ruth	E. Spencer Public Ro	ad Access: US	Route 34	
4) Elevation, current grou	and: 1004'	Elevation, propose	d post-constructi	on:	
5) Well Type (a) Gas Other	X Oil	Un	derground Stora	ge	
(b)If Gas	Shallow X	Deep			
() E. J. J. D. J. Mar and	Horizontal X				DAH
 Existing Pad: Yes or N Proposed Target Form Marcellus Shale: 7000' 	ation(s), Depth(s), Ant	the second se	and the second sec		DA H 5-14-21
8) Proposed Total Vertica	al Depth: 7000' TVD				
9) Formation at Total Ve		us			
10) Proposed Total Meas	ured Depth: 26100'				
11) Proposed Horizontal	Leg Length: 16322'				
12) Approximate Fresh V	Vater Strata Depths:	16'			
 Method to Determine Approximate Saltwat 	and a second second second second second	47-095-02274 13'			
15) Approximate Coal Se					
16) Approximate Depth t	and the second sec		None Anticipa	ted	
17) Does Proposed well l directly overlying or adja	ocation contain coal se	ams		x	
(a) If Yes, provide Mine	e Info: Name:				RECEIVED
and the second second second	Depth:				Office of Oil and Gas
	Seam:				MAY 17 2021
	Owner:			_	WV Department of Environmental Protectio

Page 1 of 3

05/28/2021

API NO. 47-_095 __02729 OPERATOR WELL NO. Wade Unit 1H Well Pad Name: Blizzard Pad

WW-6B (04/15)

18)

CASING AND TUBING PROGRAM

ТҮРЕ	Size (in)	<u>New</u> <u>or</u> <u>Used</u>	<u>Grade</u>	<u>Weight per ft.</u> (lb/ft)	FOOTAGE: For Drilling (ft)	INTERVALS: Left in Well (ft)	<u>CEMENT:</u> <u>Fill-up</u> (Cu. Ft.)/CTS
Conductor	20"	New	H-40	94#	80	80	CTS, 77 Cu. Ft.
Fresh Water	13-3/8"	New	J-55	54.5#	300	300	CTS, 417 Cu. Ft.
Coal	9-5/8"	New	J-55	36#	2500	2500	CTS, 1018 Cu. Ft.
Intermediate				5			
Production	5-1/2"	New	P-110	23#	26100	26100	6769 Cu. Ft
Tubing	2-3/8"	New	N-80	4.7#			
Liners							



ТҮРЕ	Size (in)	Wellbore Diameter (in)	<u>Wall</u> Thickness (in)	Burst Pressure (psi)	Anticipated Max. Internal Pressure (psi)	Cement Type	<u>Cement</u> <u>Yield</u> (cu. ft./k)
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				1			
Production	5-1/2"	8-3/4" & 8-1/2"	0.415"	12,630	2500	Lead-H/POZ & Tall - H	H/POZ-1.44 & H-1.8
Tubing	2-3/8"	4.778"	0.19"	11,200			
Liners				1			

PACKERS

Kind:	N/A	
Sizes:	N/A	RECEIVED Office of Oil and Gas
Depths Set:	N/A	MAY 1 7 2021

WV Department of Environmental Protection

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WW-6B (10/14) API NO. 47-_095 - 02729 OPERATOR WELL NO. Wade Unit 1H Well Pad Name: Blizzard Pad

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

Drill a new horizontal shallow well into the Marcellus Shale.

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): Existing 26.80 acres

22) Area to be disturbed for well pad only, less access road (acres): Existing 9.52 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.

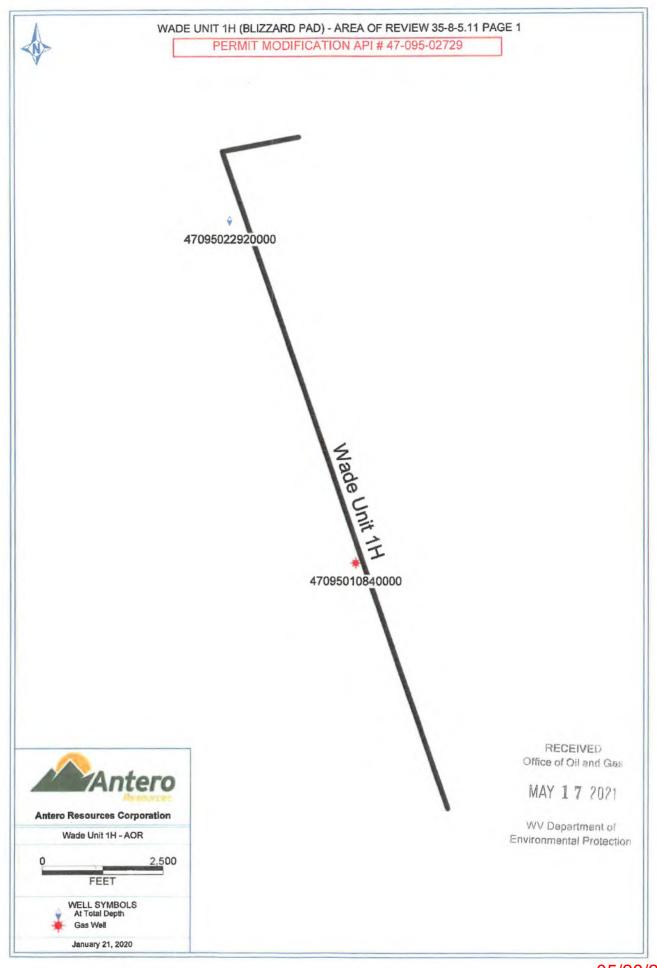
24) Describe all cement additives associated with each cement type:

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:

*Note: Attach additional sheets as needed.





UWI (APINum)	Well Name	Well Number	Operator	Hist Oper	TD	Perforated Interval (shallowest, deepest)	Perforated Formation(s)	Producible Formation(s) not perf'd
47095022920000	TAYLOR	1	BOWYER DAVID	BOWYER DAVID	5,300	WOC	N/A	N/A
47095010840000	WADE NORMAN	1FC18	FRENCH CREEK DEV	FRENCH CREEK DEV	5,990	4570 - 4610	Speechley, Balltown, Alexander, Marcellus	Big Injun

WV Department of Environmental Protection

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MAY 17 2021

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WW-6A1 (5/13) Operator's Well No. Wade Unit 1H

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 –

- 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
WVDNR Lease	WVDNR	Antero Resources Corporation	1/8+	0099/0338

*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:

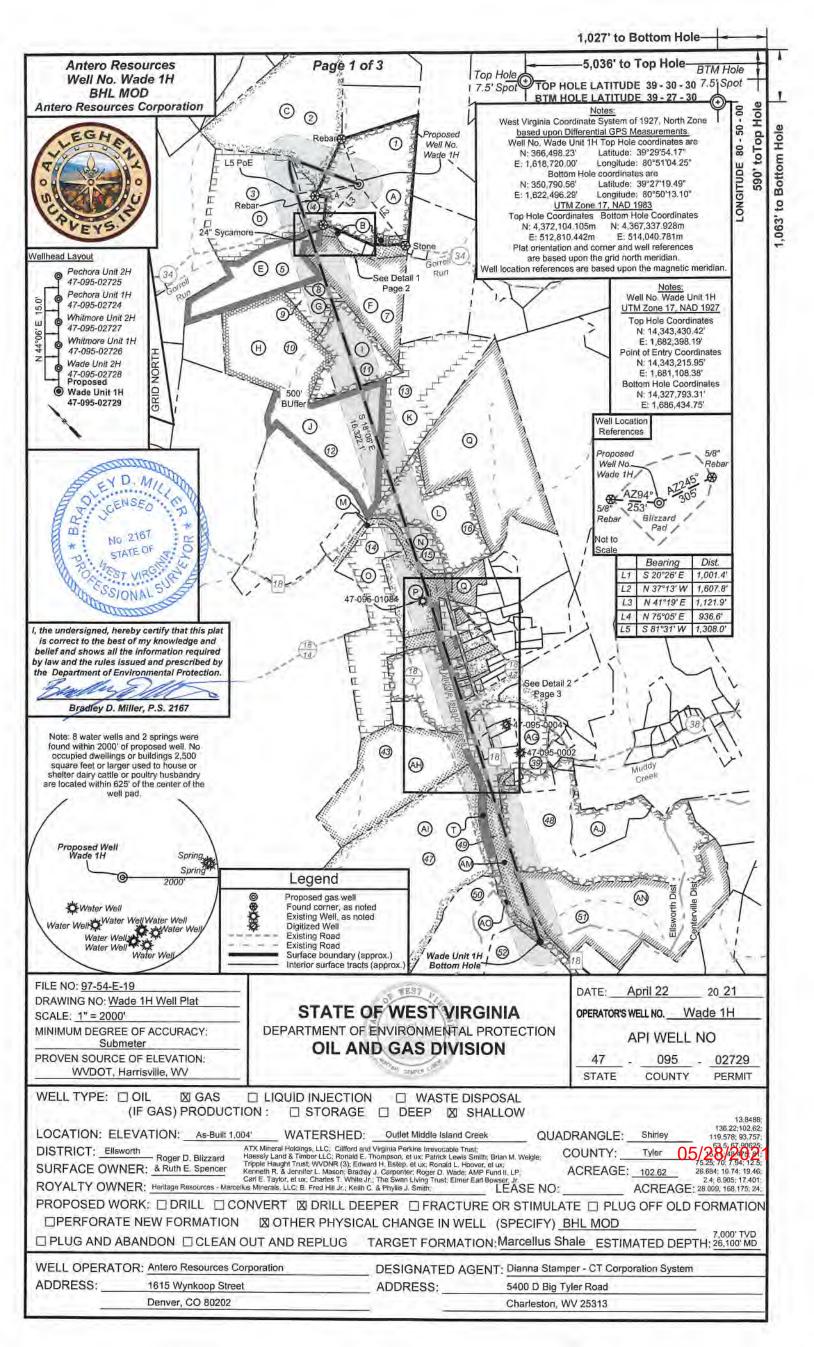
- WV Division of Water and Waste Management
- WV Division of Natural Resources WV Division of Highways
- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service
- County Floodplain Coordinator

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

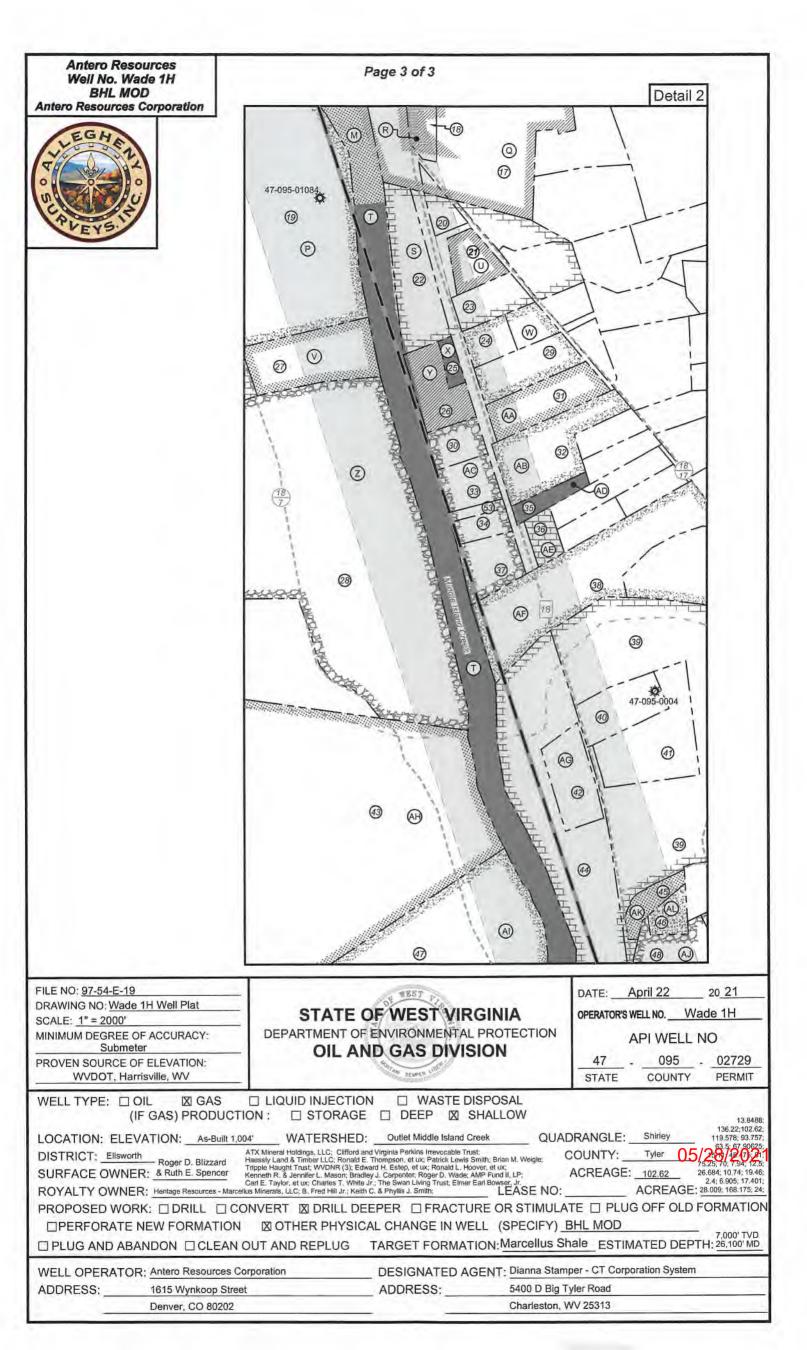
Covenancy milization - At least 7	Well Operator:	Antero Resources Corporation	MAY 17 2021
mineral owners in tract. At least 75% of the royalty owners have executed a luons	By:	Tim Rady	WV Depariment of
on the tract. The Interests of the remaining co-tenents were acquired pursuoni to the Co-tenency Modernization	Its:	VP of Land	Environmental Protection
and Majority Projection Act			

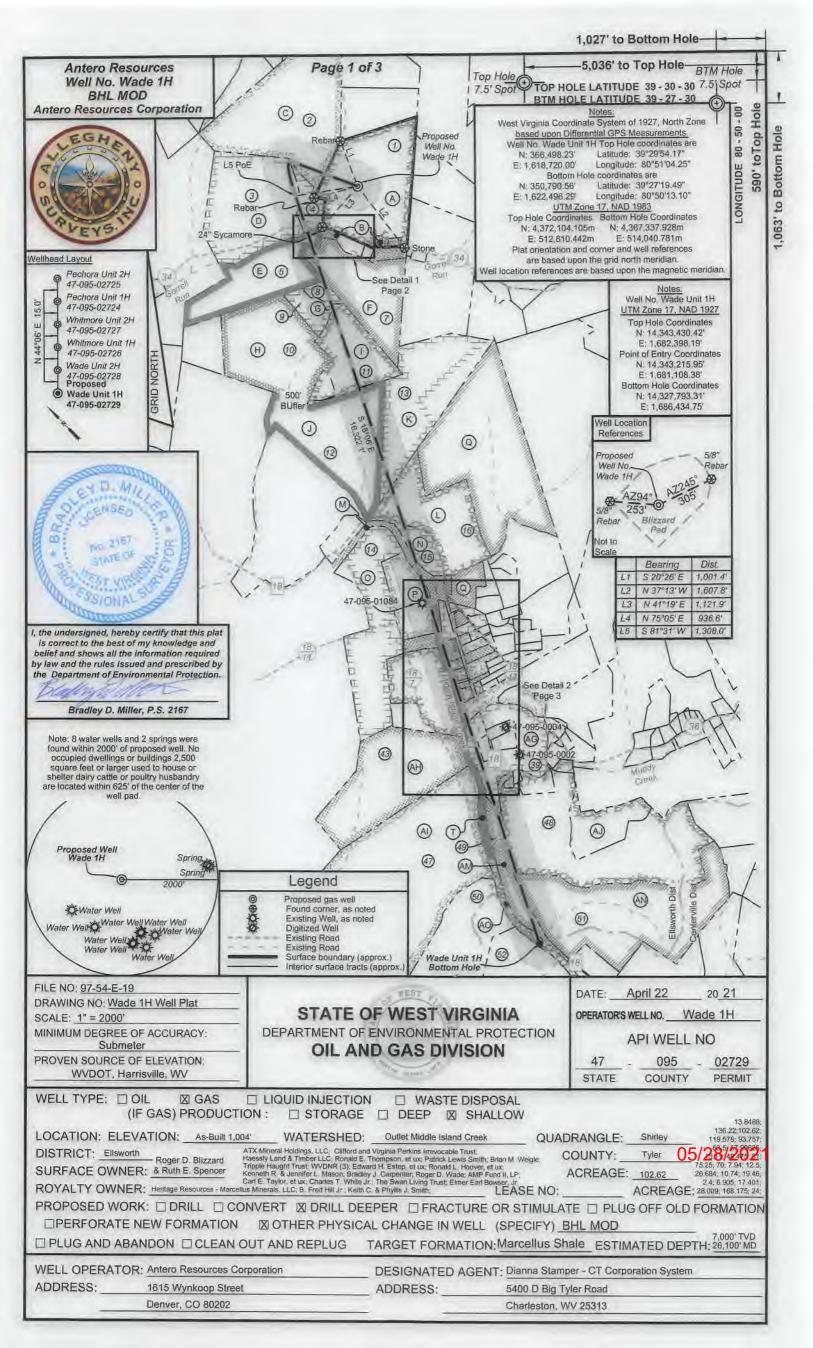
Page 1 of 1

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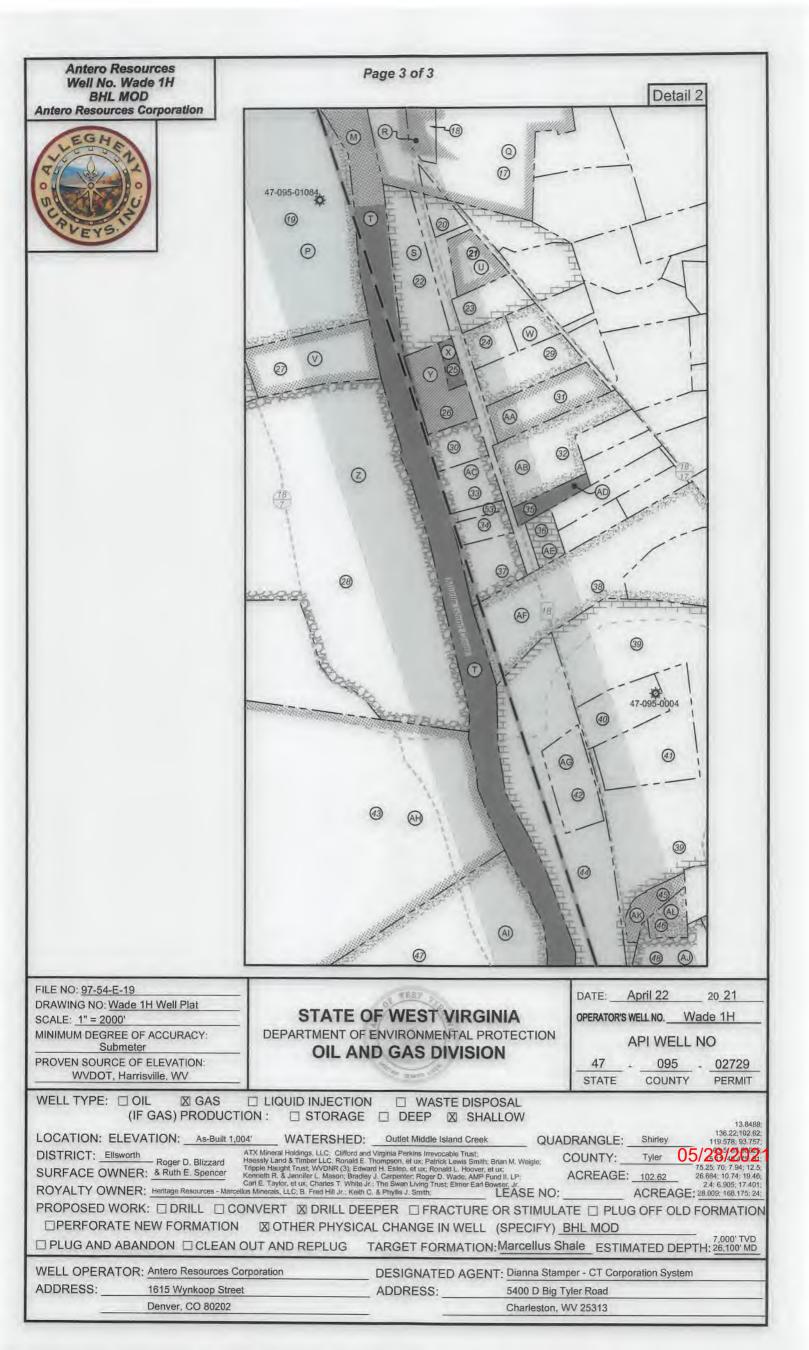


Antero Resources Well No. Wade 1H BHL MOD Antero Resources Corporation	Page 2 of 3	THE GHE HE HE HE
A Marcellus Minerals, LLC T B Heritage Resources - Marcellus Minerals, LLC V Danny L C B. Fred Hill Jr. W Jan D Clifford and Virginia Perkins Irrevocable Trust X ATX Min E Carl E. Taylor, et ux Z Bri F The Swan Living Trust AA Lloyd G Charles T. White Jr. AB Dav H Ridgetop Capital II, LP AC ATX Min I Elmer Earl Bowser Jr. AD Bri J Kenneth R. & Jennifer L. Mason AE Robert C K Haessly Land & Timber, LLC AF AM L Bradley J. Carpenter AG Bri M WVDNR AH Rhe N Ronald E. Thompson, et ux AI Keinth P Roger D. Wade AK Keith Q E. Lorna Howard AL Moun Q E. Lorna Howard AL Moun	ck Lewis Smith 2 15-30 Thomas C. & WVDNR 3 15-34 Michael . & Terri E. Botkins 4 15-34.1 Randy & F. . & Nancy J. Wade 6 21-7 Gary O. & nes R. Pinney 7 21-14 Carl E. rerail Holdings, LLC 8 21-16 Stephanie & an M. Weigle 10 21-17 Stephanie & d H. Estep, et ux 9 21-17 Stephanie & an M. Weigle 11 21-53 Haessly L atar M. Weigle 11 21-53 Haessly L atar M. Glover 15 21-54 S D'Neil Dotson, et ux 16 21-55 Ronald & 17 22-42 Sharon 17 22-42 Sharon 17 22-42 Sharon 18 21-56 Rog 20 21-60 Danny 24 24 28-1 Lois J. Estep Tar 22 Lois J. Estep <td< th=""><th>Owner DB/PG Acress zard & Ruth E. Spencer 340/170 102.62 Xeudeann L. Grinage 458/73 124.08 & Bente H. Biddle 294/537 82.34 Pamela L. Lancaster 370/776 11.42 & Elsie M. Taylor 391/181 63.50 & Anita K. Bennett 332 / 605 1.75 & Elsie M. Taylor 391/181 67.91 Joseph W. Havranek 254/153 4.50 Joseph W. Havranek 254/153 45.08 Joseph W. Havranek 254/153 45.48 & Kenneth Mason 345/743 81.0 .and & Timber, LLC 337/101A 89.88 Ann Seago, et al WB 41/119 31.18 Janet Thompson 400/552 12.50 Will Gorby WB 4/343 70.00 Christenson, et al 635/420 144.26 Smith Cemetery 107/393 3.00 ger D. Wade 485/486 26.68 & Terri Botkins 342/556 1.51 av</th></td<>	Owner DB/PG Acress zard & Ruth E. Spencer 340/170 102.62 Xeudeann L. Grinage 458/73 124.08 & Bente H. Biddle 294/537 82.34 Pamela L. Lancaster 370/776 11.42 & Elsie M. Taylor 391/181 63.50 & Anita K. Bennett 332 / 605 1.75 & Elsie M. Taylor 391/181 67.91 Joseph W. Havranek 254/153 4.50 Joseph W. Havranek 254/153 45.08 Joseph W. Havranek 254/153 45.48 & Kenneth Mason 345/743 81.0 .and & Timber, LLC 337/101A 89.88 Ann Seago, et al WB 41/119 31.18 Janet Thompson 400/552 12.50 Will Gorby WB 4/343 70.00 Christenson, et al 635/420 144.26 Smith Cemetery 107/393 3.00 ger D. Wade 485/486 26.68 & Terri Botkins 342/556 1.51 av
3 0 6 4 3 24" Sycamore 8 6 6 E F 7	34 27-16 Revoca 35 28-4.6 Bria 36 28-14 Robert 37 27-17 David 8 38 28-10 Carol K 39 28-10 Carol K 40 28-16.1 Bria 41 28-16 Kathy / 42 28-15.1 Keith 43 27-19 Lynda 44 28-15 Troy 45 28-25 Ripley Alm 46 28-24 Mt. Aris Unio 47 27-20 Kenneth 48 26-29 Ke 49 28-27 Kenneth 50 4-5 Roger 50 2-1 Larry	id Newbrough able Family Trust 369/370 0.94 able Family Trust able Family Trust 397/415 0.83 & Sandra Dotson 213/445 0.87 & Sandra Dotson 213/445 0.87 & Diana Weekley 575/9 1.94 (mapp Rev. Trust 435/461 9.20 Ann Seago, et al WB 41/119 12.11 rian Weigle 353/776 2.36 Ann Seago, et al WB 41/119 4.54 & Phyllis Smith 3307/393 6.60 Ispeliman, et al 119/512 86.00 r& Kelly Smith 337/393 6.60 an Methodist Church 199/1 0.86 on Church & Cemetery 246/47 0.97 & Jennifer Mason 332/960 269.00 aith Chodist Church WB 35/228 116.72 & Jennifer Mason 332/960 269.00 aith Chodist Church 18/383 136.22 & Jennifer Mason 312/203 182.74 & Jennifer Mason 312/203 182.74
FILE NO: <u>97-54-E-19</u> DRAWING NO: <u>Wade 1H Well Plat</u> SCALE: <u>1" = 2000' MINIMUM DEGREE OF ACCURACY: E Submeter PROVEN SOURCE OF ELEVATION: WVDOT, Harrisville, WV</u>	STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OIL AND GAS DIVISION	DATE: <u>April 22</u> 20 <u>21</u> OPERATOR'S WELL NO. <u>Wade 1H</u> API WELL NO <u>47</u> - <u>095</u> - <u>02729</u> STATE COUNTY PERMIT
(IF GAS) PRODUCTION : LOCATION: ELEVATION: As-Built 1,004' DISTRICT: Elisworth Roger D. Blizzard SURFACE OWNER: & Ruth E. Spencer ROYALTY OWNER: Heritage Resources - Marcellus Mine PROPOSED WORK: DRILL CONVE	WATERSHED: Outlet Middle Island Creek QUAD Ineral Holdings, LLC; Clifford and Virginia Perkins Inervocable Trust; / Land & Timber LLC; Ronald E. Thompson, et ux; Patrick Lewis Smith; Brian M. Weigle; In R. & Jennifer L. Mason; Bradley J. Carpenter, Roger D. Wade; AMP Fund II, LP; Taylor, et ux; Charles T. While J.; The Swan Living Trust; Elmer Eat Bowser, Jr. rails, LLC; B. Fred Hill Jr; Kellth C. & Phyllis J. Smith; ERT IX DRILL DEEPER IFRACTURE OR STIMULAT OTHER PHYSICAL CHANGE IN WELL (SPECIFY) E	
WELL OPERATOR: Antero Resources Corpora ADDRESS: 1615 Wynkoop Street		per - CT Corporation System





Antero Resources Well No. Wade 1H BHL MOD Antero Resources Corporation	Page 2 of 3		C C C C C C C C C C C C C C C C C C C
B Marcellus Minerals, LLC V Llo C B, Fred Hill Jr. W D Clifford and Virginia Perkins Irrevocable Trust X AT. D Clifford and Virginia Perkins Irrevocable Trust X AT. E Carl E, Taylor, et ux Z F The Swan Living Trust AA G Charles T, White Jr. AB H Ridgetop Capital II, LP AC J Kenneth R. & Jennifer L. Mason AE R Haessiy Land & Timber, LLC AF L Bradley J. Carpenter AG M WVDNR AH N Ronald E, Thompson, et ux AI P Roger D, Wade AK Q E, Lorna Howard AL Q E, Lorna Howard AL	Patrick Lewis Smith WVDNR my L. & Terri E. Botkins yd E. & Nancy J. Wade James R. Pinney K Mineral Holdings, LLC dward H. Estep, et ux Brian M. Weigle Lloyd Carl Seckman David E. Bowyer K Mineral Holdings, LLC Brian M. Glover bert O'Neil Dotson, et ux AMP Fund II, LP Brian M. Weigle Rheba McMichael ath R. & Jennifer L. Mason Keith C. Smith, et ux Keith C. Smith, et ux Keith C. Smith, et ux Wount Aris Cemetery Triple Haught Trust onald L. Hoover, et ux WVDNR	ID TM/Par Owne 1 15-33 Roger D. Blizzard & F 2 15-30 Thomas C. & Jeude 3 15-34 Michael & Bento 4 15-34.1 Randy & Pamela 5 21-6 Carl E. & Elsie 6 21-7 Gary O. & Anila 7 21-14 Carl E. & Elsie 8 21-76 Stephanie & Josepl 9 21-17 Stephanie & Josepl 10 21-53 Haessly Land & 11 21-54 Stephanie & Josepl 12 21-55 Ronald & Janet 13 21-53 Haessly Land & 14 27-10 Kathy Ann Se 15 21-55 Ronald & Janet 16 21-54 Sybill Gc 17 22-42 Sharon Christe 18 21-57 ALF Smith C 19 21-56 Roger D. Y 20 21-60 Danny & Terr 21 21-61 Danny & Terr </th <th>Buth E. Spencer 340/170 102.62 ann L. Grinage 458/73 124.08 a H. Biddle 294/537 82.34 L. Lancaster 370/776 11.42 M. Taylor 391/181 63.50 K. Bennett 332 / 605 1.75 M. Taylor 391/181 67.91 W. Havranek 254/153 4.50 h. W. Havranek 254/153 40.38 Hall II, LP 385/781 83.68 nW. Havranek 254/153 45.48 ago, et al WB 41/119 31.18 Thompson 340/522 12.50 riber, LUC 337/101A 89.88 ago, et al WB 41/119 31.18 Thompson 400/552 12.50 riby WB 34/343 70.00 nson, et al 635/420 144.26 ematery 107/393 3.00 Wade 485/486 26.68 Botkins 342/556 0.86 Botkins <td< th=""></td<></th>	Buth E. Spencer 340/170 102.62 ann L. Grinage 458/73 124.08 a H. Biddle 294/537 82.34 L. Lancaster 370/776 11.42 M. Taylor 391/181 63.50 K. Bennett 332 / 605 1.75 M. Taylor 391/181 67.91 W. Havranek 254/153 4.50 h. W. Havranek 254/153 40.38 Hall II, LP 385/781 83.68 nW. Havranek 254/153 45.48 ago, et al WB 41/119 31.18 Thompson 340/522 12.50 riber, LUC 337/101A 89.88 ago, et al WB 41/119 31.18 Thompson 400/552 12.50 riby WB 34/343 70.00 nson, et al 635/420 144.26 ematery 107/393 3.00 Wade 485/486 26.68 Botkins 342/556 0.86 Botkins <td< th=""></td<>
3) 3) 24" Sycam 5) 6) 6) 6) 7) 7] 1LE NO: 97-54-E-19		41 28-16 Kathy Ann Sei 42 28-15.1 Keith & Phyll 43 27-19 Lynda Spellm 44 28-15 Troy & Keily 45 28-25 Ripley Alma Meth 46 28-24 Mt. Aris Union Churn 47 27-20 Kenneth & Jenn 48 28-29 Keith C. S 49 28-27 Kenneth & Jenn 50 4-5 Roger & Sand 51 28-28 Ronald & Lind 52 2-1 Larry & Betty 53 27-16.1 John He	Is Smith 350/565 2.40 an, et al 119/512 86.00 VSmith 337/393 6.60 odist Church 199/1 0.86 odist Church 199/1 0.86 odist Church 199/1 0.86 odist Church 332/960 269.00 Smith WB 35/228 116.72 ifer Mason 353/389 72.00 y Weese 312/203 182.74 a Hoover 184/383 136.22 Fletcher 312/200 120.00 elt 448/274 0.15
DRAWING NO: <u>Wade 1H Well Plat</u> SCALE: <u>1" = 2000'</u> MINIMUM DEGREE OF ACCURACY: Submeter PROVEN SOURCE OF ELEVATION: WVDOT, Harrisville, WV	STATE OF WEST VI DEPARTMENT OF ENVIRONMENT OIL AND GAS DIV		TE: <u>April 22</u> 20 <u>21</u> ATOR'S WELL NO. <u>Wade 1H</u> API WELL NO 47 ATE <u>095</u> - <u>02729</u> PERMIT
(IF GAS) PRODUCTIO	WATERSHED: Outlet Middle Islam TX Mineral Holdings, LLC; Ciliford and Virginia Perkins Irrevocable aessly Land & Timber LLC; Ronald E. Thompson, et ux; Patrick Ley engels Haught Trust; WVDNR (3); Edward H. Estep, et ux; Ronald L. enneth R. & Jennifer L. Mason, Bradley J. Carpenter, Roger D. Was all E. Taylor, et ux; Charles T. White J., The Swan Living Trust; Etr s Minerals, LLC; B. Fred Hill Jr; Keith C. & Phyllis J. Smith; NVERT X DRILL DEEPER IFRACT X OTHER PHYSICAL CHANGE IN V	SHALLOW Creek QUADRAN Trust: COUN Hoover, ef ux: COUN Hoover, ef ux: COUN Hoover, ef ux: COUN Lease NO: COUN TURE OR STIMULATE COUN VELL (SPECIFY) BHL M	Tyler 05/28/26/ 75.25.70:7.94:19 2.4:6.905:17.4 ACREAGE: 28.009:168.175: PLUG OFF OLD FORMATIC
WELL OPERATOR: Antero Resources Cor ADDRESS: 1615 Wynkoop Street Denver, CO 80202	poration DESIGNATED ADDRESS:	AGENT: Dianna Stamper - C 5400 D Big Tyler Ro Charleston, WV 253	ad



Operator's Well Number V

Wade Unit 1H

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
Heritage Resources Marcellus Minerals Lease			
Heritage Resources Marcellus Minerals	Antero Resources Corporation	1/8+	0627/0134
B. Fred Hill Jr. Lease			
B. Fred Hill Jr.	Antero Resources Corporation	1/8+	0531/0516
Cliff & Virginia Perkins Irrevocable Trust Lease			
Cliff & Virginia Perkins Irrevocable Trust	Antero Resources Corporation	1/8+	0480/0710
Carl E. Taylor et ux Lease			
Carl E. Taylor et ux	Statoil USA Onshore Properties	1/8	0436/0001
Statoil USA Onshore Properties	EQT Production Company	Assignment	0539/0239
EQT Production Company	Antero Resources Corporation	Assignment	0663/0001
The Swan Living Trust Lease			
The Swan Living Trust	Antero Resources Corporation	1/8+	0400/0694
Charles T. White Jr. Lease			
Charles T. White Jr.	Statoil USA Onshore Properties	1/8+	0397/0564
Statoil USA Onshore Properties	EQT Production Company	Assignment	0539/0239
EQT Production Company	Antero Resources Corporation	Assignment	0663/0001
Eimer Earl Bowser Jr. Lease			
Elmer Earl Bowser Jr.	Antero Resources Corporation	1/8	0559/0053
Kenneth R. & Jennifer L. Mason Lease			
Kenneth R. & Jennifer L. Mason	Antero Resources Corporation	1/8+	0437/0280
Haessly Land & Timber LLC Lease			
Haessly Land & Timber LLC	Antero Resources Corporation	1/8+	0087/0713
Bradley J. Carpenter Lease			
Bradley J. Carpenter	Antero Resources Corporation	1/8+	RECEIVE0621/0039 Office of Oil and Gas
Ronald E. Thompson et ux Lease			1111 4 m 0201
Ronald E. Thompson et ux	Antero Resources Corporation	1/8+	MAY 1 7 0031/0068

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.

Operator's Well Number Wade Unit 1H

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	Grantor, lessor, etc.	Grantee, lessee, etc.	Royalty	Book/Page
P	Roger D. Wade Lease Roger D. Wade	Antero Resources Corporation	1/8+	0069/0147
M	WVDNR Lease WVDNR	Antero Resources Corporation	1/8+	0099/0310
X	ATX Mineral Holdings LLC Lease ATX Mineral Holdings LLC	Antero Resources Corporation	1/8+	0082/0399
AF	AMP Fund II LP Lease AMP Fund II LP	Antero Resources Corporation	1/8+	0557/0685
N/S	<u>Brian M. Welgle Lease</u> Brian M. Welgle	Antero Resources Corporation	1/8+	0661/0546
Pr 1	<u>Triple Haught Trust Lease</u> Triple Haught Trust	Antero Resources Corporation	1/8+	0591/0013
AX	<u>Keith C. Smith et ux Lease</u> Keith C. Smith et ux	Antero Resources Corporation	1/8+	0547/0461
<i>b</i> ø	<u>Ronald L. Hoover et ux Lease</u> Ronald L. Hoover et ux	Antero Resources Corporation	1/8+	0072/0183
An	Triple Haught Trust Lease Triple Haught Trust	Antero Resources Corporation	1/8+	0591/0013

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