

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

Tuesday, August 30, 2022 WELL WORK PERMIT Horizontal 6A / New Drill

ANTERO RESOURCES CORPORATION 1615 WYNKOOP STREET DENVER, CO 80202

Re: Permit approval for TRUNK 2H

47-095-02816-00-00

This well work permit is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to any additional specific conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas Inspector.

Please be advised that form WR-35, Well Operators Report of Well Work is to be submitted to this office within 90 days of completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

Per 35 CSR 4-5.2.g this permit will expire in two (2) years from the issue date unless 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: TRUNK 2H

SHIRLEY J WELLS & SUSIE Farm Name:

U.S. WELL NUMBER:

47-095-02816-00-00

Horizontal 6A New Drill

Date Issued: 8/30/2022

PERMIT CONDITIONS

West Virginia Code § 22-6A-8(d) allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

CONDITIONS

- This proposed activity may require permit coverage from the United States Army Corps of Engineers (USACE). Through this permit, you are hereby being advised to consult with USACE regarding this proposed activity.
- 2. If the operator encounters an unanticipated void, or an anticipated void at an unanticipated depth, the operator shall notify the inspector within 24 hours. Modifications to the casing program may be necessary to comply with W. Va. Code § 22-6A-Sa (12), which requires drilling to a minimum depth of thirty feet below the bottom of the void, and installing a minimum of twenty (20) feet of casing. Under no circumstance should (20) feet of casing below the bottom of the void or install less than twenty
- 3. When compacting fills, each lift before compaction shall not be more than 12 inches in height, and the moisture content of the fill material shall be within limits as determined by the Standard Proctor Density test of the actual soils used in specific engineered fill, ASTM D698, Standard Test Method for Laboratory Compaction Characteristics of Soil Using Standard Effort, to achieve 95 % compaction of the optimum density. Each lift shall be tested for compaction, with a minimum of two tests per lift per acre of fill. All test results shall be maintained on site and available for review.
- 4. Operator shall install signage per § 22-6A-8g (6) (B) at all source water locations included in their approved water management plan within 24 hours of water management plan activation.
- 5. Oil and gas water supply wells will be registered with the Office of Oil and Gas and all such wells will be constructed and plugged in accordance with the standards of the Bureau for Public Health set forth in its Legislative rule entitled Water Well Regulations, 64 C.S.R. 19. Operator is to contact the Bureau of Public Health regarding permit requirements. In lieu of plugging, the operator may transfer the well to the surface owner upon agreement of the parties. All drinking water wells within fifteen hundred feet of the water supply well.
- 6. Pursuant to the requirements pertaining to the sampling of demestic water supply wells/springs the operator shall, no later than thirty (30) days after receipt of analytical data provide a written copy to the Chief and any
- 7. 24 hours prior to the initiation of the completion process the operator shall notify the Chief or his designee.
- During the completion process the operator shall monitor annulus pressures and report any anomaly noticed to
 the chief or his designes immediately.
- 9. If any explosion or other accident causing loss of life or serious personal injury occurs in or about a well or explosion or a well, the well operator or its commector shall give notice, stating the particulars of the explosion or accident, to the oil and gas inspector and the Chief, within 24 hours of said excident.
- 10. During the casing and comming process, in the event coment does not return to the surface, the oil and gas inspector shall be notified within 24 hopes.

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API	Number:	
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PERMIT CONDITIONS

11. The operator shall provide to the Office of Oil and Ges the dates of each of the following within 30 days of their commences: completion of construction of the well pad, commencement of drilling, constituted well work, and completion of the well. Such notice shall be provided by conding an email to DEFOOGNotify@vv.grv.

WW-6B (04/15)

API NO, 47-095 -		
OPERATOR WELL	NO.	Trunk Unit 2H
Well Pad Name:	Wrigle	y Pad

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

1) Well Opera	tor: Antero	Resources	Corporal	494507062	095-Tyler	Meade	Bens Run 7.5'
¥				Operator ID	County	District	Quadrangle
2) Operator's	Well Number	r: Trunk Uni	t 2H	Well F	ad Name: Wrig	ley Pad	
3) Farm Name	e/Surface Ow	ner: Shirley We	Ils/Susie Cunn	ingham Public R	oad Access: Ro	ck Run Ro	
4) Elevation, o	current groun	id: 964'	El	evation, propose	ed post-construc	tion: ~937	1
5) Well Type	(a) Gas Other	X	_ Oil	Ur	nderground Stora	age	
	(b)If Gas	Shallow Horizontal	X	Deep	-		
6) Existing Pa	d: Yes or No	No					
	_			The second second second second	s and Expected liciated Pressure-		
8) Proposed T	otal Vertical	Depth: 660	0' TVD				
9) Formation	at Total Verti	ical Depth:	Marcellus				
10) Proposed	Total Measur	red Depth:	6600'				
11) Proposed	Horizontal L	eg Length:	0' *Oper	to modification	n at a later date)	
12) Approxim	ate Fresh Wa	ater Strata De	pths:	397'			
13) Method to			repuis.	N. J N. J P. J L. V.	well records. Depths ha	ve been adjusted	according to surface elevation
14) Approxim		-					
15) Approxim					SAV XW-12		
16) Approxim	ate Depth to	Possible Voi	d (coal mi	ne, karst, other)	: None Anticip	ated	
17) Does Prop directly overly				ns Yes	N	o X	
(a) If Yes, pi	rovide Mine l	Info: Name	:				
		Depth					
		Seam:					RECEIVED Office of Oil and Gas
		Owne	r:				AUG 1 5 2022
							WV Department of Environmental Protection

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5tumby 09/02/2022 8/9/22 WW-6B (04/15) API NO. 47- 095 OPERATOR WELL NO. Trunk Unit 2H
Well Pad Name: Wrigley Pad

18)

CASING AND TUBING PROGRAM

TYPE	Size (in)	New or Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling (ft)	INTERVALS: Left in Well (ft)	CEMENT: Fill-up (Cu. Ft.)/CTS
Conductor	20"	New	X-60	78.67#	100'	100'	CTS, 96 Cu. Ft.
Fresh Water	13-3/8"	New	J-55	54.5#	555'	555'	CTS, 578 Cu. Ft.
Coal	9-5/8"	New	J-55	36#	3100'	3100'	CTS, 1262 Cu. Ft.
Intermediate							1
Production	5-1/2"	New	P-110HP	20#	6600'	6600'	CTS, 746 Cu. Ft.
Tubing	2-3/8"	New	N-80	4.7#		HE	
Liners							

ТҮРЕ	Size (in)	Wellbore Diameter (in)	Wall Thickness (in)	Burst Pressure (psi)	Anticipated Max. Internal Pressure (psi)	Cement Type	Cement Yield (cu. ft./k)
Conductor	20"	24"	0.375"	2250	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"	14,360	2500	Class G/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	Office of Oil and Ga
		AUG 1 5 2022

WV Department of Environmental Protection

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WW-6B (10/14) API NO. 47- 095 OPERATOR WELL NO. Trunk Unit 2H
Well Pad Name: Wrigley 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.

*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): 28.45 acres
- 22) Area to be disturbed for well pad only, less access road (acres): 10.35 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.

*Note: Attach additional sheets as needed.

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WW-9 (4/16)

API Number 47 -

Operator's Well No. Trunk Unit 2H

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

FLUIDS/CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name Antero Resources Corporation OP Code 494507062
Watershed (HUC 10) Outlet Middle Island Creek Quadrangle Bens Run 7.5
Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes V
Will a pit be used? Yes No V
If so, please describe anticipated pit waste: No pit will be used at this site (Drilling and howback Fluids will be stored in tanks. Cullings will be tanked and hauled off site.)
Will a synthetic liner be used in the pit? Yes No If so, what ml.? N/A
Proposed Disposal Method For Treated Pit Wastes:
Land Application
Underground Injection (UIC Permit Number *UIC Permit # will be provided on Form WR-34 Reuse (at API Number Future permitted well locations when applicable API# will be provided on Form WR-34
Off Site Disposal (Supply form WW-9 for disposal location) (Meadowfill Landfill Permit #SWF-1032-98) Other (Explain Northwestern Landfill Permit #SWF-1025/WV0109410
Wetzel County Landfill (Permit #SWF-1021) Will closed loop system be used? If so, describe: Yes, fluids stored in tanks, cuttings removed offsite and taken to landfill.
Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. Stiff poam, Production - Weter Bassed Mud or
-If oil based, what type? Synthetic, petroleum, etc. Synthetic
Additives to be used in drilling medium? Please See Attachment
Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. Drill cuttings stored in tanks, removed offsite and taken to landfill.
-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) N/A
-Landfill or offsite name/permit number? Meadowfill Landfill (Permit #SWF-1032-98), Northwestern Landfill (Permit #SWF-1025/WV0109410) Wetzel County Landfill (Permit #SWF-1021)
Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed.
I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action. I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment. RECEIVED Office of Oil and Gas
Company Official Title Director, Environmental and Regulatory Compliance
WV Department of Environmental Protection
Subscribed and sworn before me this 27 day of July , 2022
Notary Public DIANE BLAIR
My commission expires 27 Apr 2024 NOTARY PUBLIC STATE OF COLORADO NOTARY ID 19994011871 MY COMMISSION EXPIRES 27-Apr-2024



Form WW-9 Additives Attachment

SURFACE INTERVAL

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- 1. Fresh Water
- 2. Soap -Foamer AC
- 3. Air

INTERMEDIATE INTERVAL

STIFF FOAM RECIPE:

- 1) 1 ppb Soda Ash / Sodium Carbonate-Alkalinity Control Agent
- 2) 1 ppb Conqor 404 (11.76 ppg) / Corrosion Inhibitor
- 3) 4 ppb KLA-Gard (9.17 ppg) / Amine Acid Complex-Shale Stabilizer
- 4) 1ppb Mil Pac R / Sodium Carboxymethylcellulose-Filtration Control Agent
- 5) 12 ppb KCL / Potassium Chloride-inorganic Salt
- 6) Fresh Water 80 bbls
- 7) Air

PRODUCTION INTERVAL

1. Alpha 1655

Salt Inhibitor

2. Mil-Carb

Calcium Carbonate

3. Cottonseed Hulls

Cellulose-Cottonseed Pellets – LCM

4. Mil-Seal

Vegetable, Cotton & Cellulose-Based Fiber Blend – LCM

Clay-Trol

Amine Acid Complex – Shale Stabilizer

6. Xan-Plex

Viscosifier For Water Based Muds

7. Mil-Pac (All Grades)

Sodium Carboxymethylcellulose – Filtration Control Agent

8. New Drill

Anionic Polyacrylamide Copolymer Emulsion – Shale Stabilizer

9. Caustic Soda

Sodium Hydroxide – Alkalinity Control

10. Mil-Lime

Calcium Hydroxide – Lime

11. LD-9

Polyether Polyol – Drilling Fluid Defoamer

12. Mil Mica

Hydro-Biotite Mica – LCM

13. Escaid 110

Drilling Fluild Solvent - Aliphatic Hydrocarbon

14. Ligco

Highly Oxidized Leonardite - Filteration Control Agent

15. Super Sweep

Polypropylene – Hole Cleaning Agent

16. Sulfatrol K

Drilling Fluid Additive – Sulfonated Asphalt Residuum

17. Sodium Chloride, Anhydrous

Inorganic Salt

18. D-D

Drilling Detergent – Surfactant

19. Terra-Rate

Organic Surfactant Blend

20. W.O. Defoam

Alcohol-Based Defoamer

21. Perma-Lose HT

Fluid Loss Reducer For Water-Based Muds

22. Xan-Plex D

Polysaccharide Polymer - Drilling Fluid Viscosifier

23. Walnut Shells

Ground Cellulosic Material - Ground Walnut Shells - LCM

24. Mil-Graphite

Natural Graphite – LCM

25. Mil Bar

Barite – Weighting Agent

26. X-Cide 102

Biocide

27. Soda Ash

Sodium Carbonate – Alkalinity Control Agent

28. Clay Trol

Amine Acid complex - Shale Stabilizer

29. Sulfatrol

Sulfonated Asphalt – Shale Control Additive

30. Xanvis

Viscosifier For Water-Based Muds

31. Milstarch

Starch - Fluid Loss Reducer For Water Based Muds

32. Mil-Lube

Drilling Fluid Lubricant

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Office of Oil and Gas

JUL 28 2022

WV Department of Environmental Protection Form WW-9

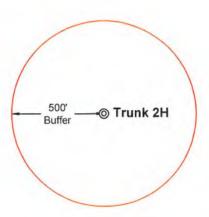
10 M W W 2		Operator's	s Well No. Trunk Unit 2H
Antero Resources Corporation			
Proposed Revegetation Treatment: Acres Disturbe	28.45	acres Prevegetation	pH
Lime 2-4 Tons/acre or to c	correct to pH	6.5	
Fertilizer typeHay or Straw or Wood Fiber (will be used to	where needed)		
Fertilizer amount 500	lb	s/acre	
Mulch 2-3 Access Road "A" (4.61 acres) + Staging area (0.75 acres) + Well	Tons/a Pad (10.35 acres		2.74 acres) = 28.45 Total Affected Acres
	Seed	l Mixtures	
Temporary		Per	manent
Seed Type lbs/acre		Seed Type	lbs/acre
Annual Ryegrass 40		Crownvetch	10-15
Field Bromegrass 40		Tall Fescue	30
See attached Table IV-3 for additional see type, (Wrigley Pad	Design)	See attached Table IV-4 for addition	al seed type (Wrigley Pad Design)
*or type of grass seed requested by surface owner		*or type of grass seed reque	ested by surface owner
Plan Approved by: Steve May			
Comments:			
Title: W GIF GAS TUSPICAD		Date: 8/9/27	RECEIVED Office of Oil and Gas
Field Reviewed? () Yes	() No	AUG 1 5 2022
			WV Department of Environmental Protection

LEGEND

- Proposed gas well
- Existing Well, as noted
- Digitized Well, as noted



The orientation of this survey is Grid North, and its coordinate base is the West Virginia Coordinate System of 1927, North Zone



Bridgeport Office Phone: (304) 848-5035 Fax: (304) 848-5037

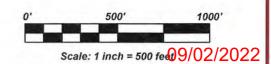
PARTY CHIEF: C. Lynch
RESEARCH: J. Miller
SURVEYED: Dec. 2016
FIELD CREW: C.L., K.M.

U CONTRACTOR OF THE CONTRACTOR

Sheet 1 of 1

172 Thompson Drive Bridgeport, WV 26330

DRAWN BY:	J. Smith
PREPARED:	July 15, 2022
PROJECT NO:	194-51-U-21
DRAWING NO:	Trunk 2H Vert AOR





911 Address 1199 Rock Run Rd Friendly, WV 26146

Well Site Safety Plan Antero Resources

Well Name: Wrigley Unit 5V, Little Unit 1H-2H, Martindill Unit

1H-2H, Trunk Unit 1H-2H

Pad Location: Wrigley Pad

Tyler County/Meade District

GPS Coordinates:

Entrance - Lat 39.423516"/Long -81.006496" (NAD83) Pad Center - Lat 39.421315"/Long -81.007502" (NAD83)

Driving Directions:

From the town of Wick: Head north on Friendly Rush Fork/Hog Run Rd for 59 ft, Turn left onto Wick Rd for 1.7 miles, Turn right to stay on Wick Rd for 351 ft, Turn right onto Rock Run Rd for 1.1 miles, Access road will be on your left.

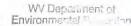
Alternate Route:

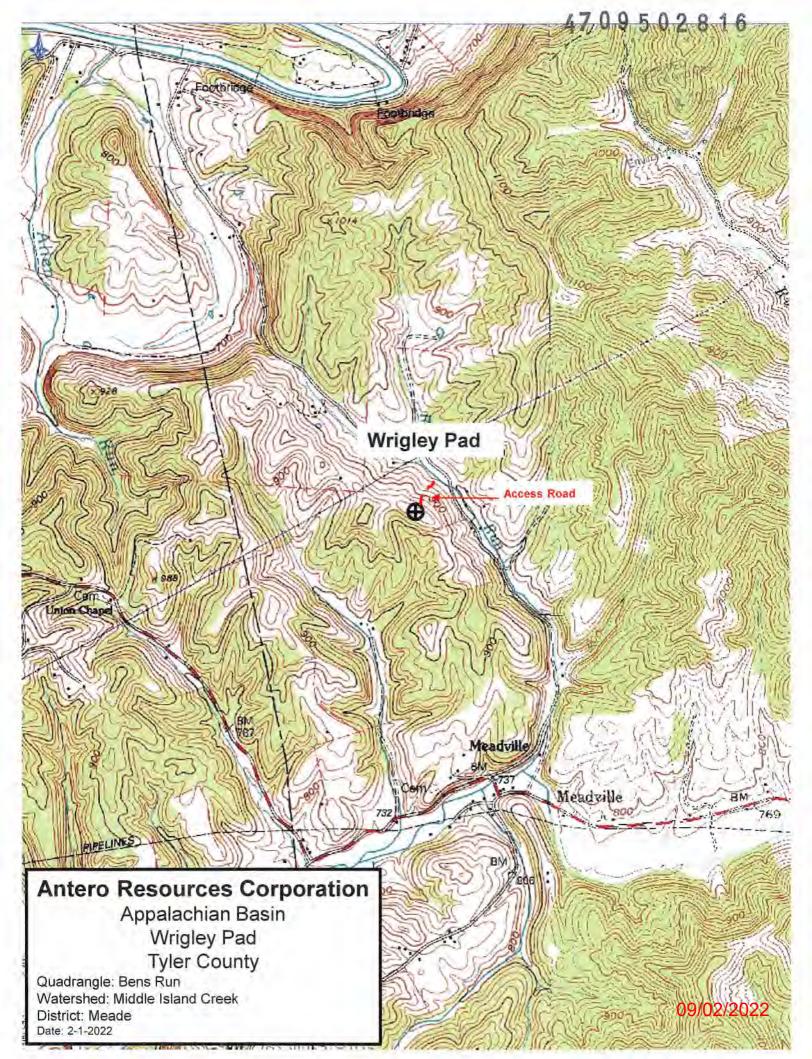
From the town of Long Reach: Head southwest on WV-2 S for 1.9 miles, Turn left onto Arvilla Rd for 4.0 miles, Turn right to stay on Arvilla Rd for 1.1 miles, Turn left onto Beech Run for 1.7 miles, Slight right onto Allen Run for 0.5 miles, Continue onto Falls Mills Rd/Shiloh-Slicker for 0.1 miles, Turn right onto Rock Run Rd for 1.7 miles, Access road will be on your right.

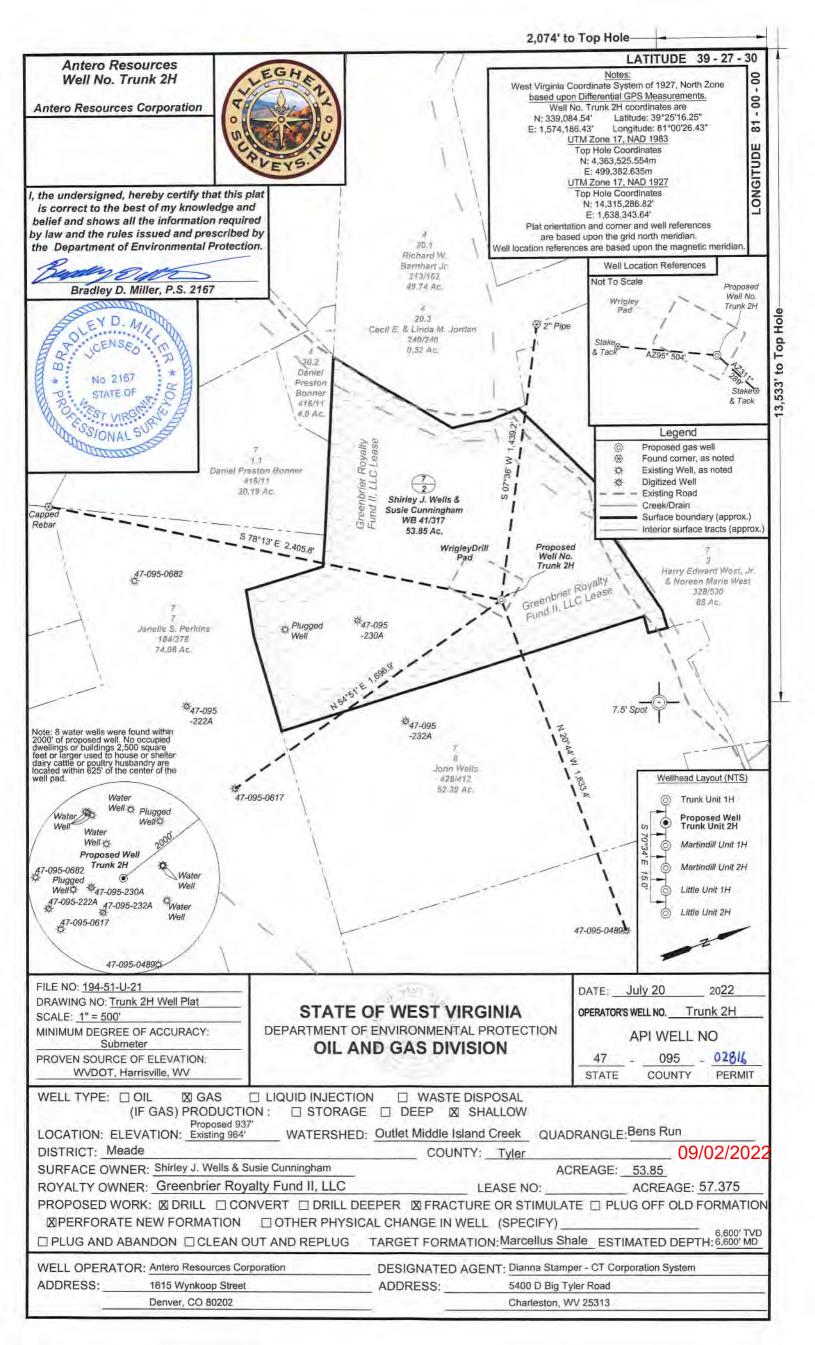
EMERGENCY (24 HOUR) CONTACT 1-800-878-1373

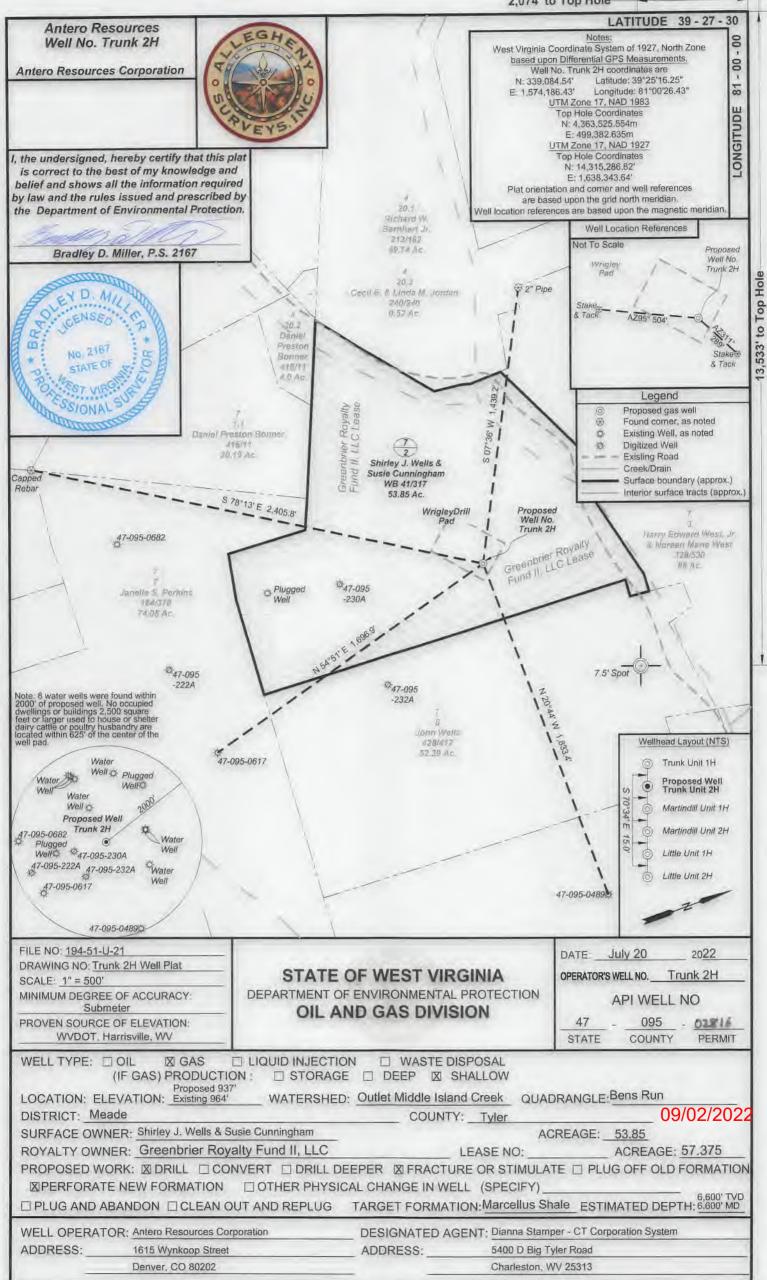
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SSP Page 1









WW-6A1	
(5/13)	

Operator's	Well No.	Trunk 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:

Lease Name or Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
Greenbrier Royalty Fund II, L	LC Lease			
	Greenbrier Royalty Fund II, LLC	Antero Resources Corporation	1/8+	0108/0631

*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.

Well Operator:	Antero Resources Corporation
By:	Tim Rady
Its:	Senior Vice President - Land



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

July 26, 2022

West Virginia Department of Environmental Protection Chief, Office of Oil and Gas Attn: Mr. James Martin 601 57th Street SE Charleston, WV 25304

RE:

Trunk Unit 1H - 2H

Quadrangle: Bens Run 7.5'

Tyler County/Meade District, West Virginia

Mr. Martin:

Antero Resources Corporation (Antero) is submitting the following applications for a new well work permits for the Trunk Unit 1H – 2H horizontal shallow wells. As an authorized representative, I certify that Antero has the right to extract, produce or market the oil or gas for all leases through which the Trunk Unit 1H – 2H horizontal laterals will drill through including any and all roads crossed under as identified on the attached survey plats.

Sincerely,

Tyler Adams Landman

Tyler Adams

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE CERTIFICATION 47 0 9 5 0 2 8 1 6

Date of Notic	e Certification: 07/26/2022		API No. 47- 095 -		
		Opera	tor's Well No. Trun	c Unit 2H	
		Well I	Pad Name: Wrigley	Pad	
Notice has b					
	-	§ 22-6A, the Operator has provided the	ne required parties v	vith the Notice Forms listed	
	tract of land as follows:	T. da	400000 00		
State:	West Virginia	UTM NAD 83 Eastin			
County:	Tyler	North	ing: 4363525.55m Rock Run Rd		
District:	Meade	Public Road Access:			
Quadrangle: Watershed:	Bens Run Outlet Middle Island Creek	Generally used farm nar	IIE: wens		
watersned:	Outlet Middle Island Creek				
information re of giving the requirements Virginia Code	equired by subsections (b) and (c), so surface owner notice of entry to su of subsection (b), section sixteen of	bed in subdivisions (1), (2) and (4), ection sixteen of this article; (ii) that the arrow pursuant to subsection (a), seef this article were waived in writing ender proof of and certify to the secret.	he requirement was tion ten of this arti g by the surface ov	deemed satisfied as a result cle six-a; or (iii) the notice vner; and Pursuant to West	
that the Ope	West Virginia Code § 22-6A, the Operator has properly served the require	perator has attached proof to this Not d parties with the following:	ice Certification	OOG OFFICE USE ONLY	
□ 1. NO	FICE OF SEISMIC ACTIVITY or	NOTICE NOT REQUIRED BY SEISMIC ACTIVITY WAS CON		☐ RECEIVED/ NOT REQUIRED	
☐ 2. NO	TICE OF ENTRY FOR PLAT SURV	VEY or 🔳 NO PLAT SURVEY WA	AS CONDUCTED	☐ RECEIVED	
■ 3. NO	FICE OF INTENT TO DRILL or	NOTICE NOT REQUIRED BY NOTICE OF ENTRY FOR PLATS WAS CONDUCTED or		☐ RECEIVED/ NOT REQUIRED	
		☐ WRITTEN WAIVER BY SU (PLEASE ATTACH)	RFACE OWNER		
■ 4. NO	TICE OF PLANNED OPERATION			☐ RECEIVED	
■ 5. PUB	BLIC NOTICE			☐ RECEIVED	
■ 6. NO	TICE OF APPLICATION			□ RECEIVED	

Required Attachments:

The Operator shall attach to this Notice Certification Form all Notice Forms and Certifications of Notice that have been provided to the required parties and/or any associated written waivers. For the Public Notice, the operator shall attach a copy of the Class II Legal Advertisement with publication date verification or the associated Affidavit of Publication. The attached Notice Forms and Certifications of Notice shall serve as proof that the required parties have been noticed as required under West Virginia Code § 22-6A. Pursuant to West Virginia Code § 22-6A-11(b), the Certification of Notice to the person may be made by affidavit of personal service, the return receipt card or other postal receipt for certified mailing.

By:

Certification of Notice is hereby given:

THEREFORE, I Diana Hoff , have read and understand the notice requirements within West Virginia Code § 22-6A. I certify that as required under West Virginia Code § 22-6A, I have served the attached copies of the Notice Forms, identified above, to the required parties through personal service, by registered mail or by any method of delivery that requires a receipt or signature confirmation. I certify under penalty of law that I have personally examined and am familiar with the information submitted in this Notice Certification and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment,

Well Operator: Antero Resources Corporation

Diana Hoff

Its: Senior VP of Operations

Telephone: 303-357-7310

Address: 1615 Wynkoop Street

Denver, CO 80202

Facsimile: 303-357-7315

Email: mstanton@anteroresources.com

NOTARY SEAL

DIANE BLAIR
NOTARY PUBLIC
STATE OF COLORADO
NOTARY ID 19994011871
MY COMMISSION EXPIRES 27-Apr-2024

Subscribed and sworn before me this 27 day of

Fday of July 2022

___Notary Public

My Commission Expires

27 Apr 2024

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

of

WW-6A (9-13)

API NO. 47- 095 OPERATOR WELL NO. Trunk Unit 2H Well Pad Name: Wrigley Pad

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS **NOTICE OF APPLICATION**

Noti	ce Time Requiren	nent: notice shall be provi	led no later than the filing date of permit application.
	of Notice: 03/24/202 ce of:	22 Date Permit Applica	ion Filed: 07/27/2022
V	PERMIT FOR AN	Y CERTIFI	CATE OF APPROVAL FOR THE
ت	WELL WORK		UCTION OF AN IMPOUNDMENT OR PIT
	WELL WORK	CONSTI	OCTION OF AN IMPOUNDMENT ORTH
Deliv	very method purs	uant to West Virginia C	de § 22-6A-10(b)
	PERSONAL	REGISTERED	✓ METHOD OF DELIVERY THAT REQUIRES A
	SERVICE	MAIL	RECEIPT OR SIGNATURE CONFIRMATION
the such oil ardescriptore well important proving proposition of the correction of t	arface of the tract of the digas leasehold being the digas leasehold being the digas leasehold being the digas leasehold being the digas lease digas digas lease digas digas lease digas digas lease digas lease digas lease digas lease digas lease digas digas digas lease digas lease digas d	n which the well is or is prong developed by the proposand sediment control plans event the tract of land on we event the tract of land on we entered in section of the state is to be used for the proposed in section nine of gor water supply source loomption by humans or domewity is to take place. (c)(1) I cation hold interests in the lauried to be maintained purposed the contrary, notice to a liquires, in part, that the open	nis article, and the well plat to each of the following persons: (1) The owners of record of posed to be located; (2) The owners of record of the surface tract or tracts overlying the ed well work, if the surface tract is to be used for roads or other land disturbance as ubmitted pursuant to subsection (c), section seven of this article; (3) The coal owner, which the well proposed to be drilled is located [sic] is known to be underlain by one or rface tract or tracts overlying the oil and gas leasehold being developed by the proposed accement, construction, enlargement, alteration, repair, removal or abandonment of any his article; (5) Any surface owner or water purveyor who is known to the applicant to ated within one thousand five hundred feet of the center of the well pad which is used to tic animals; and (6) The operator of any natural gas storage field within which the former than three tenants in common or other co-owners of interests described in ads, the applicant may serve the documents required upon the person described in the uant to section eight, article one, chapter eleven-a of this code. (2) Notwithstanding any en holder is not notice to a landowner, unless the lien holder is the landowner. W. Va. ator shall also provide the Well Site Safety Plan ("WSSP") to the surface owner and any did water testing as provided in section 15 of this rule.
Ø A	pplication Notice	☑ WSSP Notice ☑ E&	S Plan Notice Well Plat Notice is hereby provided to:
_	RFACE OWNER	(s)	☐ COAL OWNER OR LESSEE
Nam	e: Shirley Wells		Name: NO DECLARATIONS ON RECORD WITH COUNTY
Addr	ess: 1509 Maple Avenu	Je .	Address:
	Wellsville, OH 439	68-1253	
Nam			☐ COAL OPERATOR
Addr	ess: 1509 Maple Avenu		Name: NO DECLARATIONS ON RECORD WITH COUNTY
	Wellsville, OH 439		Address:
		(s) (Road and/or Other Di	
Nam	e:		SURFACE OWNER OF WATER WELL
Addr	ess:		AND/OR WATER PURVEYOR(s)
.T		· · · · · · · · · · · · · · · · · · ·	Name: PLEASE SEE ATTACHMENT
MBN.	C	· · · · · · · · · · · · · · · · · · ·	Address:
MUUI	CSS:		OPERATOR OF ANY NATURAL GAS STORAGE FIELD
ı SI I	REACE OWNER	(s) (Impoundments or Pits	
Nam		· · · •	
			Address:
· .~~			*Please attach additional forms if necessary

WW-6A (8-13) 4709502816 API NO. 47-095

OPERATOR WELL NO. Trunk Unit 2H

Well Pad Name: Wrigley Pad

Notice is hereby given:

Pursuant to West Virginia Code § 22-6A-10(b), notice is hereby given that the undersigned well operator has applied for a permit for well work or for a certificate of approval for the construction of an impoundment or pit.

This Notice Shall Include:

Pursuant to W. Va. Code § 22-6A-10(b), this notice shall include: (1) copies of the application; (2) the erosion and sediment control plan required by section seven of this article; and (3) the well plat.

Pursuant to W. Va. Code § 22-6A-10(f), this notice shall include: (1) a statement of the time limits for filing written comments; (2) who may file written comments; (3) the name and address of the secretary for the purpose of filing the comments and obtaining additional information; and (4) a statement that the persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water.

Pursuant to W. Va. Code R. § 35-8-5.7.a, the operator shall provide the Well Site Safety Plan to the surface owner and any water purveyor or surface owner subject to notice and water testing as provided in section 15 of this rule.

Pursuant to W. Va. Code R. § 35-8-15.2.c, this notice shall: (1) contain a statement of the surface owner's and water purveyor's right to request sampling and analysis; (2) advise the surface owner and water purveyor of the rebuttable presumption for contamination or deprivation of a fresh water source or supply; advise the surface owner and water purveyor that refusal to allow the operator to conduct a pre-drilling water well test constitutes a method to rebut the presumption of liability; (3) advise the surface owner and water purveyor of his or her independent right to sample and analyze any water supply at his or her own expense; advise the surface owner and water purveyor whether or not the operator will utilize an independent laboratory to analyze any sample; and (4) advise the surface owner and or water purveyor that he or she can obtain from the Chief a list of water testing laboratories in the subject area capable of and qualified to test water supplies in accordance with standard acceptable methods.

Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx.

Well Location Restrictions

Pursuant to W. Va. Code § 22-6A-12, Wells may not be drilled within two hundred fifty feet measured horizontally from any existing water well or developed spring used for human or domestic animal consumption. The center of well pads may not be located within six hundred twenty-five feet of an occupied dwelling structure, or a building two thousand five hundred square feet or larger used to house or shelter dairy cattle or poultry husbandry. This limitation is applicable to those wells, developed springs, dwellings or agricultural buildings that existed on the date a notice to the surface owner of planned entry for surveying or staking as provided in section ten of this article or a notice of intent to drill a horizontal well as provided in subsection (b), section sixteen of this article was provided, whichever occurs first, and to any dwelling under construction prior to that date. This limitation may be waived by written consent of the surface owner transmitted to the department and recorded in the real property records maintained by the clerk of the county commission for the county in which such property is located. Furthermore, the well operator may be granted a variance by the secretary from these distance restrictions upon submission of a plan which identifies the sufficient measures, facilities or practices to be employed during well site construction, drilling and operations. The variance, if granted, shall include terms and conditions the department requires to ensure the safety and protection of affected persons and property. The terms and conditions may include insurance, bonding and indemnification, as well as technical requirements. (b) No well pad may be prepared or well drilled within one hundred feet measured horizontally from any perennial stream, natural or artificial lake, pond or reservoir, or a wetland, or within three hundred feet of a naturally reproducing trout stream. No well pad may be located within one thousand feet of a surface or ground water intake of a public water supply. The distance from the public water supply as identified by the department shall be measured as follows: (1) For a surface water intake on a lake or reservoir, the distance shall be measured from the boundary of the lake or reservoir. (2) For a surface water intake on a flowing stream, the distance shall be measured from a semicircular radius extending upstream of the surface water intake. (3) For a groundwater source, the distance shall be measured from the wellhead or spring. The department may, in its discretion, waive these distance restrictions upon submission of a plan identifying sufficient measures, facilities or practices to be employed during well site construction, drilling and operations to protect the waters of the state. A waiver, if granted, shall impose any permit conditions as the secretary considers necessary. (c) Notwithstanding the foregoing provisions of this section, nothing contained in this section prevents an operator from conducting the activities permitted or authorized by a Clean Water Act Section 404 permit or other approval from the United States Army Corps of Engineers within any waters of the state or within the restricted areas referenced in this section. (d) The well location restrictions set forth in this section shall not apply to any well on a multiple well pad if at least one of the wells was permitted prior to the effective date of this article. (e) The secretary shall, by December 31, 2012, report to the Legislature on the noise, light, dust and volatile organic compounds generated by the drilling of horizontal wells as they relate to the well location restrictions regarding occupied dwelling structures pursuant to this section. Upon a finding, if any, by the secretary that the well location restrictions regarding occupied dwelling structures are inadequate or otherwise require alteration to address the items

WW-6A (8-13)

API NO. 47-⁷095 - OPERATOR WELL NO. Trunk Unit 2H

Well Pad Name: Wrigley Pad
examined in the study required by this subsection, the secretary shall have the authority to propose for promulgation legislative rules establishing guidelines and procedures regarding reasonable levels of noise, light, dust and volatile organic compounds relating to

Water Well Testing:

Pursuant to West Virginia Code § 22-6A-10(d), notification shall be made, with respect to surface landowners identified in subsection (b) or water purveyors identified in subdivision (5), subsection (b) of this section, of the opportunity for testing their water well. The operator shall provide an analysis to such surface landowner or water purveyor at their request.

Water Testing Laboratories:

Pursuant to West Virginia Code § 22-6A-10(i), persons entitled to notice pursuant to subsection (b) of this section may contact the department to ascertain the names and locations of water testing laboratories in the subject area capable and qualified to test water supplies in accordance with standard accepted methods. In compiling that list of names the department shall consult with the state Bureau for Public Health and local health departments. A surface owner and water purveyor has an independent right to sample and analyze any water supply at his or her own expense. The laboratory utilized by the operator shall be approved by the agency as being certified and capable of performing sample analyses in accordance with this section.

Rebuttable Presumption for Contamination or Deprivation of a Fresh Water Source or Supply:

drilling horizontal wells, including reasonable means of mitigating such factors, if necessary.

W. Va. Code § 22-6A-18 requires that (b) unless rebutted by one of the defenses established in subsection (c) of this section, in any action for contamination or deprivation of a fresh water source or supply within one thousand five hundred feet of the center of the well pad for horizontal well, there is a rebuttable presumption that the drilling and the oil or gas well or either was the proximate cause of the contamination or deprivation of the fresh water source or supply. (c) In order to rebut the presumption of liability established in subsection (b) of this section, the operator must prove by a preponderance of the evidence one of the following defenses: (1) The pollution existed prior to the drilling or alteration activity as determined by a predrilling or prealteration water well test. (2) The landowner or water purveyor refused to allow the operator access to the property to conduct a predrilling or prealteration water well test. (3) The water supply is not within one thousand five hundred feet of the well. (4) The pollution occurred more than six months after completion of drilling or alteration activities. (5) The pollution occurred as the result of some cause other than the drilling or alteration activity. (d) Any operator electing to preserve its defenses under subdivision (1), subsection (c) of this section shall retain the services of an independent certified laboratory to conduct the predrilling or prealteration water well test. A copy of the results of the test shall be submitted to the department and the surface owner or water purveyor in a manner prescribed by the secretary. (e) Any operator shall replace the water supply of an owner of interest in real property who obtains all or part of that owner's supply of water for domestic, agricultural, industrial or other legitimate use from an underground or surface source with a comparable water supply where the secretary determines that the water supply has been affected by contamination, diminution or interruption proximately caused by the oil or gas operation, unless waived in writing by that owner. (f) The secretary may order the operator conducting the oil or gas operation to: (1) Provide an emergency drinking water supply within twenty-four hours; (2) Provide temporary water supply within seventy-two hours; (3) Within thirty days begin activities to establish a permanent water supply or submit a proposal to the secretary outlining the measures and timetables to be used in establishing a permanent supply. The total time in providing a permanent water supply may not exceed two years. If the operator demonstrates that providing a permanent replacement water supply cannot be completed within two years, the secretary may extend the time frame on case-by-case basis; and (4) Pay all reasonable costs incurred by the real property owner in securing a water supply. (g) A person as described in subsection (b) of this section aggrieved under the provisions of subsections (b), (e) or (f) of this section may seek relief in court... (i) Notwithstanding the denial of the operator of responsibility for the damage to the real property owner's water supply or the status of any appeal on determination of liability for the damage to the real property owner's water supply, the operator may not discontinue providing the required water service until authorized to do so by the secretary or a court of competent jurisdiction.

Written Comment:

Pursuant to West Virginia Code § 22-6A-11(a), all persons described in subsection (b), section ten of this article may file written comments with the secretary as to the location or construction of the applicant's proposed well work within thirty days after the application is filed with the secretary. All persons described in West Virginia Code § 22-6A-10(b) may file written comments as to the location or construction of the applicant's proposed well work to the Secretary at:

Chief, Office of Oil and Gas Department of Environmental Protection 601 57th St. SE Charleston, WV 25304 (304) 926-0450

Such persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water. NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.

WW-6A (8-13) API NO. 47-095 -

OPERATOR WELL NO. Trunk Unit 2H

Well Pad Name: Wrigley Pad

Time Limits and Methods for Filing Comments.

The law requires these materials to be served on or before the date the operator files its Application. You have THIRTY (30) DAYS after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection" to the planned work described in these materials, then the permit may be issued at any time.

Pursuant to West Virginia Code § 22-6A-11(c)(2), Any objections of the affected coal operators and coal seam owners and lessees shall be addressed through the processes and procedures that exist under sections fifteen, seventeen and forty, article six of this chapter, as applicable and as incorporated into this article by section five of this article. The written comments filed by the parties entitled to notice under subdivisions (1), (2), (4), (5) and (6), subsection (b), section ten of this article shall be considered by the secretary in the permit issuance process, but the parties are not entitled to participate in the processes and proceedings that exist under sections fifteen, seventeen or forty, article six of this chapter, as applicable and as incorporated into this article by section five of this article.

Comment Requirements

Your comments must be in writing and include your name, address and telephone number, the well operator's name and well number and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

Disclaimer: All comments received will be placed on our web site http://www.dep.wv.gov/oil-and-gas/Horizontal-Permits/Pages/default.aspx and the applicant will automatically be forwarded an email notice that such comments have been submitted. The applicant will be expected to provide a response to comments submitted by any surface owner, water purveyor or natural gas storage operator noticed within the application.

Permit Denial or Condition

The Chief has the power to deny or condition a well work permit. Pursuant to West Virginia Code § 22-6A-8(d), the permit may not be issued or be conditioned, including conditions with respect to the location of the well and access roads prior to issuance if the director determines that:

- (1) The proposed well work will constitute a hazard to the safety of persons;
- (2) The plan for soil erosion and sediment control is not adequate or effective;
- (3) Damage would occur to publicly owned lands or resources; or
- (4) The proposed well work fails to protect fresh water sources or supplies.

A permit may also be denied under West Virginia Code § 22-6A-7(k), the secretary shall deny the issuance of a permit if the secretary determines that the applicant has committed a substantial violation of a previously issued permit for a horizontal well, including the applicable erosion and sediment control plan associated with the previously issued permit, or a substantial violation of one or more of the rules promulgated under this article, and in each instance has failed to abate or seek review of the violation within the time prescribed by the secretary pursuant to the provisions of subdivisions (1) and (2), subsection (a), section five of this article and the rules promulgated hereunder, which time may not be unreasonable.

Pursuant to West Virginia Code § 22-6A-10(g), any person entitled to submit written comments to the secretary pursuant to subsection (a), section eleven of this article, shall also be entitled to receive from the secretary a copy of the permit as issued or a copy of the order modifying or denying the permit if the person requests receipt of them as a part of the written comments submitted concerning the permit application. Such persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water.

WW-6A (8-13)

API NO. 47-

OPERATOR WELL NO. Trunk Unit 2H

Well Pad Name: Wrigley Pad

Office of Oil and Gas

Notice is hereby given by:

Well Operator: Antero Resources Corporation

(303) 357-7310 Telephone: mstanton@anteroresources.com Email:

Address: 1615 Wynkoop Street Denver, CO 80202

Facsimile: 303-357-7315

WV Department of Environmental Protection

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

DIANE BLAIR NOTARY PUBLIC STATE OF COLORADO NOTARY ID 19994011871 MY COMMISSION EXPIRES 27-Apr-2024

Subscribed and sworn before me this 27 day of Ju

Notary Public

My Commission Expires

JUL 28 2022

WW-6A Notice of Application Attachment (WRIGLEY PAD- MULTIPEE WELLS)

WATER SOURCE OWNERS: Within 2000'

TM 4 PCL 20.3

1 Water Well: 1585.3" (W1)

Owner:

Cecil E. & Linda M. Jordan

Address:

535 Washington St.

Newell, WV 26050-1127

TM 4 PCL 20.1

3 Water Wells:1545.2" (W2) 1461.6' (W3) & 1430.3' (W5)

Owner:

Richard W. Barnhart, Jr.

Address:

1431 Rock Run Rd.

Friendly, WV 26146-7505

TM 7 PCL 2

1 Water Well: 792.4' (W4)

Owner:

Susie Cunningham

Address:

1509 Maple Ave.

Wellsville, OH 43968-1258

TM 7 PCL 3

2 Water Wells: 853.5' (W6) & 870.0' (W7)

Owner:

Harry Edward West

Address:

1059 Rock Run Rd.

Friendly, WV 26146-7506

TM 7 PCL 8

1 Water Well: 1021.5' (W8)

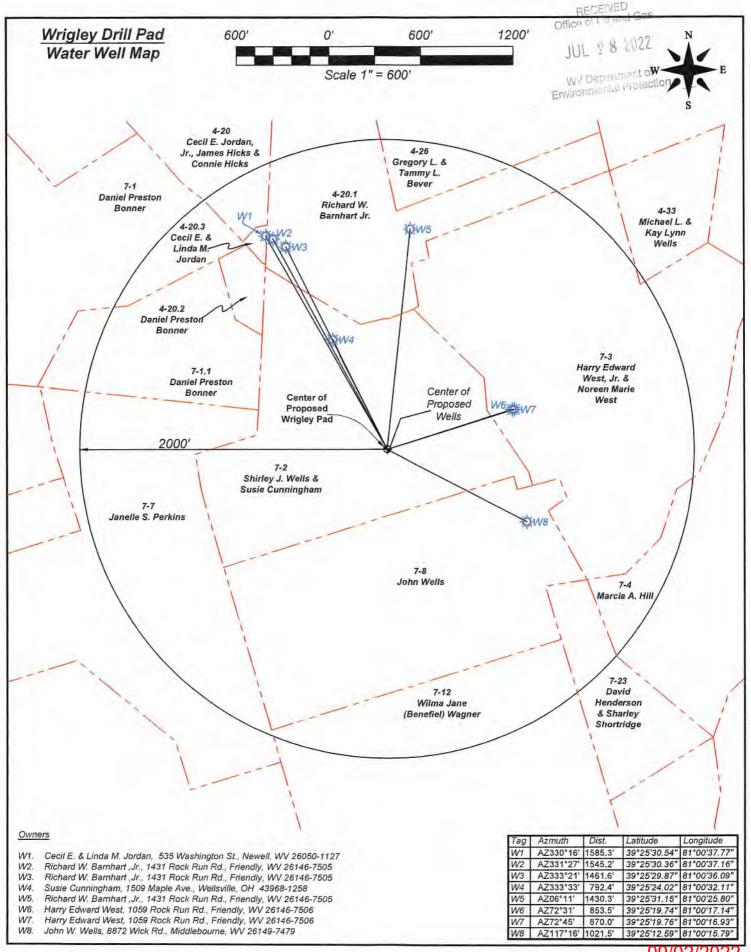
Owner:

John W. Wells

Address:

8872 Wick Rd.

Middlebourne, WV 26149-7479



WW-6A4 (1/12)

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF INTENT TO DRILL

Pursuant to W. Va. Code § 22-6A-16(b), the Notice of Intent to Drill is only required if the notice requirements of W. Va. Code § 22-6A-10(a) have NOT been met or if the Notice of Intent to Drill requirement has NOT been waived in writing by the surface owner.

(.,)		•		•
Notice Time I Date of Notic	Requirement: Notice shall be e: 02/03/2022	provided at least TEN (10) Date Permit Application		a permit application.
Delivery met	hod pursuant to West Virgini	a Code § 22-6A-16(b)		
☐ HAND	■ CERTIFIED M	I AIL		
DELIVE	RY RETURN REC	CEIPT REQUESTED		
receipt reques drilling a hori of this subsec subsection ma and if availab	ted or hand delivery, give the secondal well: <i>Provided</i> , That notion as of the date the notice way be waived in writing by the secondary	surface owner notice of its in otice given pursuant to substant as provided to the surface of surface owner. The notice, onic mail address of the open	intent to enter upon section (a), section owner: <i>Provided, ho</i> if required, shall in	on, an operator shall, by certified mail return the surface owner's land for the purpose of ten of this article satisfies the requirements owever, That the notice requirements of this aclude the name, address, telephone number, ator's authorized representative.
	ey Wells	• • • • • • • • • • • • • • • • • • • •	me: Susie Cunningh	nam
Address: 1509	Maple Ave		dress: 1509 Maple Ave	
	ville, OH 43968-1258		Wellsville, OH 43	
the surface ov State: County: District: Quadrangle: Watershed:	wner's land for the purpose of d West Virginia Tyler Meade Bens Run 7.5' Outlet Middle Island Creek	UTM NA	Facting	499382.63m
This Notice Pursuant to V facsimile nun related to hor	Shall Include: Vest Virginia Code § 22-6A- ber and electronic mail addre izontal drilling may be obtained	ess of the operator and the ed from the Secretary, at the	operator's authorice WV Department	dress, telephone number, and if available, ized representative. Additional information of Environmental Protection headquarters, dep.wv.gov/oil-and-gas/pages/default.aspx.
	reby given by:			
	Antero Resources Appalachian Cor		rized Representativ	e: Mallory Stanton
Address:	1615 Wynkoop St.	Addre	ss:	1615 Wynkoop St.
	Denver, CO 80202			Denver, CO 80202
Telephone:	303-357-7310	Teleph	ione:	303-357-7310
Email:	mstanton@anteroresources.com	Email:		mstanton@anteroresources.com
Facsimile:	303-357-7315	Facsin	nile:	303-357-7315

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

WW-6A5 (1/12)

Operator Well No. Trunk Unit 2H 4 7 0 9 5 0 2 8 1 6

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF PLANNED OPERATION

	e Time Ro of Notice:	equirement: notice shall be provid 07/27/2022 Date Perm	led no later than the control of the			application.
Delive	ery metho	od pursuant to West Virginia Coo	de § 22-6A-16(c)			
	CERTIFII	ED MAIL	☐ HAND			
		RECEIPT REQUESTED	DELIVER	Y		
return the pla require drillin damag	receipt reanned ope ed to be p g of a horges to the se are notices	equested or hand delivery, give the cration. The notice required by the rovided by subsection (b), section rizontal well; and (3) A proposed surface affected by oil and gas open	surface owner whis subsection shaten of this article surface use and rations to the exte	hose land all include to a surface compensent the da	I will be used for de: (1) A copy ace owner whos ation agreement amages are comp	cation, an operator shall, by certified mail or the drilling of a horizontal well notice of of this code section; (2) The information the land will be used in conjunction with the at containing an offer of compensation for pensable under article six-b of this chapter, sted in the records of the sheriff at the time
	address l	y provided to the SURFACE OW isted in the records of the sheriff at		e): Name:	Susie Cunninghar	m
Addre	·	laple Ave		Address		···
ı iddi c		lle, OH 43968-1253		7 Iuui CSS	Wellsville, OH 439	968-1253
Pursua	tion on th y:	• •	oose of drilling a h		I well on the tra Easting: Northing:	well operator has developed a planned act of land as follows: 499382.63m 4363525.55m Rock Run Rd
Quadr	angle: E	ens Run	Gene	erally use	ed farm name:	Wells
Water	_	outlet Middle Island Creek		·		
Pursua to be horizo surfac inform headq	ant to West provided ontal well; e affected nation rela	by W. Va. Code § 22-6A-10(b) to and (3) A proposed surface use and by oil and gas operations to the lated to horizontal drilling may be ocated at 601 57 th Street, SE,	to a surface owner of compensation a compensation a certain the damage obtained from the compensation of t	er whose agreementes are content of the secret	e land will be un nt containing an ompensable und ary, at the WV	code section; (2) The information required used in conjunction with the drilling of a noffer of compensation for damages to the ler article six-b of this chapter. Additional Department of Environmental Protection or by visiting

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

Operator Well No. Trunk Unit 1H

WW-6A5 (1/12)

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF PLANNED OPERATION

	tice: 07/27/2022 Date	provided no later than the filing Permit Application Filed:	ng date of permit	application.	RECEIVED Office of Cil and Gas
	ethod pursuant to West Virgin				JUL 28 IL.2
Denvery in	ethod pursuant to west virgin	a Code § 22-0A-10(c)			WYL compon
CER	TIFIED MAIL	☐ HAND			Environment
RET	URN RECEIPT REQUESTED	DELIVERY			
return receithe planned required to drilling of damages to (d) The not of notice. Notice is h (at the additional receipt the state of	W. Va. Code § 22-6A-16(c), no pt requested or hand delivery, give a horizontal well; and (3) A protection the surface affected by oil and gainers required by this section shall be the surface affected to the SURFAC ess listed in the records of the shall be the surface affected to the surface affected by this section shall be the surface affected to the SURFAC ess listed in the records of the shall be the surface affected to the surfac	the surface owner whose lates the surface owner whose lates the subsection shall induction ten of this article to a supposed surface use and compast operations to the extent the lates of the surface owner. E OWNER(s) the surface of the surface owner of the surface owner. Name of the surface owner of the surface owner of the surface owner of the surface owner. Name of the surface owner of the surface owner ow	and will be used for lude: (1) A copy irface owner whose ensation agreement damages are come er at the address line.	or the drilling of of this code se se land will be un nt containing an opensable under sted in the recon	f a horizontal well notice of ection; (2) The information used in conjunction with the n offer of compensation for article six-b of this chapter.
Address: Notice is h Pursuant to	ereby given: West Virginia Code § 22-6A-16 On the surface owner's land for the		Wellsville, OH 43 t the undersigned ntal well on the tra	well operator ha	
Notice is h Pursuant to operation of State:	vellsville, 0H 43968-1253 ereby given: West Virginia Code § 22-6A-16	(c), notice is hereby given that e purpose of drilling a horizo	t the undersigned ntal well on the tra	well operator ha	
Notice is h Pursuant to operation of State: County:	ereby given: West Virginia Code § 22-6A-16 On the surface owner's land for th	(c), notice is hereby given that e purpose of drilling a horizo UTM NAI	t the undersigned tral well on the transport Easting: Northing:	well operator ha	
Notice is h Pursuant to operation of State: County: District:	ereby given: West Virginia Code § 22-6A-16 on the surface owner's land for th West Virginia Tyler Meade	(c), notice is hereby given that e purpose of drilling a horizo UTM NAI	t the undersigned ntal well on the tra Easting: Northing:	well operator ha act of land as fo 499378.30m	
Notice is h Pursuant to operation of State: County: District: Quadrangle	ereby given: West Virginia Code § 22-6A-16 on the surface owner's land for th West Virginia Tyler Meade : Bens Run	(c), notice is hereby given that e purpose of drilling a horizo UTM NAI	t the undersigned ntal well on the tra Easting: Northing:	well operator hat to f land as fo 499378.30m 4363527.00m	
Notice is h Pursuant to operation of State: County: District: Quadrangle Watershed This Notice Pursuant to to be prov horizontal surface aff information headquarte	ereby given: West Virginia Code § 22-6A-160 on the surface owner's land for the West Virginia Tyler Meade Bens Run Outlet Middle Island Creek e Shall Include: West Virginia Code § 22-6A-160 of the West Virginia Code § 2	(c), notice is hereby given that e purpose of drilling a horizo UTM NAI Public Ros Generally (c), this notice shall include: (0(b) to a surface owner who use and compensation agree to the extent the damages are any be obtained from the Sec	Wellsville, OH 43 It the undersigned ntal well on the trace 183 Easting: Northing: Access: Used farm name: (1)A copy of this ose land will be ment containing an compensable understary, at the WV	well operator has act of land as fo 499378.30m 4363527.00m Rock Run Rd Wells code section; (2 used in conjunct offer of comp der article six-b/ Department o	2) The information required ction with the drilling of a ensation for damages to the of this chapter. Additional f Environmental Protection
Notice is h Pursuant to operation of State: County: District: Quadrangle Watershed This Notic Pursuant to to be prov horizontal surface affi information headquarte gas/pages/o	ereby given: West Virginia Code § 22-6A-160 on the surface owner's land for the West Virginia Tyler Meade Bens Run Outlet Middle Island Creek e Shall Include: West Virginia Code § 22-6A-160 of the West Virginia Code	(c), notice is hereby given that e purpose of drilling a horizo UTM NAI Public Ros Generally (c), this notice shall include: (0(b) to a surface owner who use and compensation agrees of the extent the damages are any be obtained from the Sec E, Charleston, WV 2530	Wellsville, OH 43 It the undersigned ntal well on the tra 10 83 Easting: Northing: Access: Used farm name: (1)A copy of this ose land will be ment containing an compensable understary, at the WV 4 (304-926-0450)	well operator hat act of land as for a 499378.30m a 4363527.00m a 4363527.00m a 4364 a	2) The information required ction with the drilling of a ensation for damages to the of this chapter. Additional f Environmental Protection
Notice is h Pursuant to operation of State: County: District: Quadrangle Watershed This Notice Pursuant to to be proviously horizontal surface affi information headquarte gas/pages/o	ereby given: West Virginia Code § 22-6A-16 on the surface owner's land for the West Virginia Tyler Meade Bens Run Outlet Middle Island Creek e Shall Include: West Virginia Code § 22-6A-16 ded by W. Va. Code § 22-6A-16 well; and (3) A proposed surface extended by oil and gas operations to related to horizontal drilling means, located at 601 57th Street, Stefault.aspx.	(c), notice is hereby given that e purpose of drilling a horizo UTM NAI Public Ros Generally (c), this notice shall include: (0(b) to a surface owner who use and compensation agree to the extent the damages are any be obtained from the Sec	Wellsville, OH 43 It the undersigned ntal well on the trace 183 Easting: Northing: de Access: used farm name: (1) A copy of this ose land will be ment containing an compensable understary, at the WV 4 (304-926-0450)	well operator has act of land as for a section and a section and a section; (2) used in conjunct of section article six-by Department of or by visiting section.	2) The information required ction with the drilling of a ensation for damages to the of this chapter. Additional f Environmental Protection
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The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

API NO. 47- 095 OPERATOR WELL NO. Trunk Unit 2H
Well Pad Name: Wrigley Pad

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

VOLUNTARY STATEMENT OF NO OBJECTION

Instructions to Persons Named on Page WW-6A

The well operator named on page WW-6A is applying for a permit from the State of West Virginia to conduct oil or gas well work. Well work permits are valid for twenty-four (24) months. Please contact the listed well operator and the Office of Oil and Gas if you do not own any interest in the listed surface tract.

Comment and Waiver Provisions

Pursuant to West Virginia Code § 22-6A-11(a), all persons described in subsection (b), section ten of this article may file written comments with the secretary as to the location or construction of the applicant's proposed well work within thirty days after the application is filed with the secretary.

Pursuant to West Virginia Code § 22-6A-8(b) No permit may be issued less than thirty days after the filing date of the application for any well work except plugging or replugging; and no permit for plugging or replugging may be issued less than five days after the filing date of the application except a permit for plugging or replugging a dry hole: *Provided*, That if the applicant certifies that all persons entitled to notice of the application under the provisions of subsection (b), section ten of this article have been served in person or by certified mail, return receipt requested, with a copy of the well work application, including the erosion and sediment control plan, if required, and the well plat, and further files written statements of no objection by all such persons, the secretary may issue the well work permit at any time.

VOLUNTARY STATEMENT OF NO OBJECTION

County: District: Quadrangle:	Tyler Meade	Public Road	Northing:	
7,170,710,711,711	70707.0		Angener	4363525.55m Rock Run Rd
Quadrangie.	Bens Run			Wells
Watershed:	Outlet Middle Island Creek	Generally used farm name:		
TELIDEA	CE OWNER			
1 SUKFA	LE OWNER			
		T T		
□ SURFA	CE OWNER (Road and/or Other Distu	rbance)	Print Name: Date:	
	CE OWNER (Road and/or Other Disturction Of CE OWNER (Impoundments/Pits)		Date:	V V S . OL S 1/25 M
□ SURFA	CE OWNER (Impoundments/Pits)	I I	Oate: FOR EXECUT	ION BY A CORPORATION, ETC.
□ SURFA		I I	Date:	ION BY A CORPORATION, ETC.
□ SURFA	CE OWNER (Impoundments/Pits)	I I	Date:	ION BY A CORPORATION, ETC
□ SURFA	CE OWNER (Impoundments/Pits) OWNER OR LESSEE	I I	Oate: FOR EXECUT Company: By: ts:	ION BY A CORPORATION, ETC

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at deprivacyofficer@wv.gov.



WEST VIRGINIA DEPARTMENT OF TRANSPORTATION

Division of Highways

1900 Kanawha Boulevard East • Building Five • Room 110 Charleston, West Virginia 25305-0430 • (304) 558-3505

Jimmy Wriston, P. E. Secretary of Transportation Commissioner of Highways

July 11, 2022

James A. Martin, Chief Office of Oil and Gas Department of Environmental Protection 601 57th Street, SE Charleston, WV 25304

Subject: DOH Permit for the Wrigley Pad, Tyler County
Trunk Unit 2H Well Site

Dear Mr. Martin,

D. Alan Reed, P.E.

State Highway Engineer

This well site will be accessed from a DOH permit #06-2022-0028 which has been issued to Antero Resources for access to the State Road for a well site located off Tyler County Route 7/3 SLS MP 1.19.

This operator is in compliance with §22-6A-20 of the WV Code. Operator has signed a STATEWIDE OIL AND GAS ROAD MAINTENANCE BONDING AGREEMENT and provided the required Bond. This operator is currently in compliance with the DOH OIL AND GAS POLICY dated October 1, 2018. This letter is valid for permitting purposes for one year from the date of this letter.

Very Truly Yours,

Gary K. Clayton, P.E.

Regional Maintenance Engineer Central Office O&G Coordinator

Cc: Diane Blair

Antero Resources CH, OM, D-6

File

Subdivision 3.3.e A listing of the anticipated additives that may be used in the water used for fracturing or stimulating the well. (A listing of the additives that were actually used in the fracturing or stimulating of the well shall be submitted as part of the completion report required by W. Va. Code 22-6-22.)

FRACTURING/STIMULATING INTERVAL

TOTAL CONTROL OF THE PARTY AND	
Additive	Chemical Abstract Service Number (CAS #)
1. Fresh Water	Office of Oil and Gas
2. 2 Phosphobutane 1,2,4 tricarboxylic acid	3/9/1-36-1
3. Ammonium Persulfate	7727-54-0 JUL 2 8 2022
4. Anionic copolymer	Proprietary
5. Anionic polymer	Proprietary WV Department of Environmental From the Environmental From the Environmental From the Environmental From the Environment of Environmental From the Environment of Environment
6. BTEX Free Hydrotreated Heavy Naphtha	64742-48-9 Environment
7. Cellulase enzyme	(Proprietary)
8. Demulsifier Base	(Proprietary)
9. Ethoxylated alcohol blend	Mixture
10. Ethoxylated Nonylphenol	68412-54-4
11. Ethoxylated oleylamine	26635-93-8
12. Ethylene Glycol	107-21-1
13. Glycol Ethers	111-76-2
14. Guar gum	9000-30-0
15. Hydrogen Chloride	7647-01-0
16. Hydrotreated light distillates, non-aromatic, BTEX fre	ee 64742-47-8
17. Isopropyl alcohol	67-63-0
18. Liquid, 2,2-dibromo-3- nitrilopropionamide	10222-01-2
19. Microparticle	Proprietary
20. Petroleum Distillates (BTEX Below Detect)	64742-47-8
21. Polyacrylamide	57-55-6
22. Propargyl Alcohol	107-19-7
23. Propylene Glycol	57-55-6
24. Quartz	14808-60-7
25. Sillica crystalline quartz	7631-86-9
26. Sodium Chloride	7647-14-5
	1310-73-2
27. Sodium Hydroxide	57-50-1
28. Sugar	68439-51-0
29. Surfactant	14808-60-7
30. Suspending agent (solid)	
31. Tar bases, quinolone derivs, benzyl chloride-quartern	
32. Solvent Naptha, petroleum, heavy allph	64742-96-7
33. Soybean Oil, Me ester	67784-80-9
34. Copolymer of Maleic and Acrylic Acid	52255-49-9
35. DETA Phosphonate	15827-60-8
36. Hexamythylene Triamine Penta	34690-00-1
37. Phosphino Carboxylic acid polymer	71050-62-9
38. Hexamethylene diamine penta	23605-74-5
39. 2-Propenoic acid, polymer with 2 propenamide	9003-06-9
40. Hexamethylene diamine penta (methylene phospho	•
41. Diethylene Glycol	111-46-6
42. Methenamine	100-97-0
43. Polyethylene polyamine	68603-67-8
44. Coco amine	61791-14-8
45. 2-Propyn-1-olcompound with methyloxirane	38172-91-7

WRIGLEY WELL PAD & WATER CONTAINMENT PAD

SITE DESIGN & CONSTRUCTION PLAN. **EROSION & SEDIMENT CONTROL PLANS**

> MEADE DISTRICT, TYLER COUNTY, WEST VIRGINIA SUGAR CREEK WATERSHED

> USGS 7.5 BENS RUN & MIDDLEBOURNE QUAD MAPS



LOCATION COORDINATES:
ACCESS RADA DIRITANCE
LATITUDE: 39.423516 | LONGITUDE: -81.008495 (MAD 23)
LATITUDE: 39.42340 | LONGITUDE: -81.008495 (MAD 27)
N 4382772.30 & 489440.50 (UTM 20NE 17 METERS)

GENERAL DESCRIPTION:
THE ACCESS ROAD, STAGING AREA, WATER CONTRUCTED TO AID THE BEING CONSTRUCTED TO AID IN THE DEVELOPMENT OF INDIVIDUAL MARKELIUS SHALE GAS WELLS

FLOODPLAIN NOTES:
THE PROPOSED SITE IS LOCATED IN FLOOD ZONE 'X' PER FEMA MAP NUMBERS #51090CO105C

MISS UTILITY STATEMENT:

WILL HOTTEN MISS LITERATE PROBLEM FOR THE LOCATION OF WEST VIRGINIA FOR THE LOCATION OF LITERATE PROBLEM FOR THE MISS PROBLEM FOR THE PROBLEM FOR THE

ANTHER RESOURCES CORPORATION WILL OFFAIN AN ENCROCHMENT PERMIT (FORM MM-108) FROM THE WEST VERGINA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS, PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES.

CONSIDERATION OF THE DELECTION OF THE SECURITY DISTRIBUTION OF THE MAD POSSIBLE OF MAISTAR ECOLOGY TO MOVE US. A SECURITY OF THE U.S. ARMY COURS OF DENOISEES (USACE) AND US THE EST FOR WATERS AND WELLANDS THAT ARE MOST LIFELY WITHIN THE RECULATORY POPPHEN OF THE U.S. ARMY COURS OF DENOISEES (USACE) AND US THE WEST VIRGINAL DEPARTMENT OF OF THE U.S. ARMY COURS OF DENOISEES (USACE) AND US THE WEST VIRGINAL DEPARTMENT OF THE U.S. ARMY COURS OF THE WEST VIRGINAL DEPARTMENT OF THE U.S. ARMY COURS OF THE WEST VIRGINAL DEPARTMENT OF THE LEAD PRESENTATION. THE MAP DOES NOT. IN ANY WAY, REFRESHAT A JURISDICTIONAL DETERMINATION OF THE LAUDWARD LIGHTS OF WATERS AND WESTAKEN SHE WAY HER REQULATED BY THE U.S.C. OF THE WORDER IT IS STRONGLY OF THE WEST VIRGINAL DEPARTMENT OF THE DELECTIONS OF THE SECURITY PRIOR TO SERVICED CONSTRUCTION ON THE POPPHENT LOCALIBLE OF THE POPPHENT LOCALIBLE OF THE POPPHENT LOCALIBLE OF THE POPPHENT LOCALIBLE OF THE WEST VIRGINAL AND ON STATE REQULATORY AGENCIES FROM TO ANY PROPOSED IMPACTS TO WATERS OF THE POSS. INCLUDIO WETLAND FILLS AND STREAM CHOSSINGS.

GEOTECHNICAL NOTES:
A SINSUPACE INVESTIGATION OF THE PROPOSED SITE WAS PERFORMED BY PENNSYLVANIA SOIL &
BOCK, INC. ON APRIL 10-19, 2019. THE REPORT PROPARED BY PENNSYLVANIA SOIL & BOCK, INC.
DATED JUNE 6, 2019. BRAYISED SEPTEMBER 22, 2021, REPLICITS THE RESULTS OF THE SUBSURFACE
INSTRUCTION. THE INFORMATION AND RECOMMENDATIONS CONTAINED IN THIS REPORT THEM USED
IN THE PREPARATION OF THESE PLANS. PLANSE REFER TO THE SUBSURFACE INVESTIGATION EXPOSIT
OF TREMINISTANTA SOIL & ROCK, INC., FOR ADDITIONAL INFORMATION, AS REEDED.

PROJECT CONTACTS:

OPERATOR: ANTERO RESOURCES CORPORATION 536 WHITE DAKS BLVD. BRIDGEPORT, WY 26380 PHONE: (304) 842-4100 FAX: (304) 842-4102

ELI WAGONER - FNVRONMENTAL ENGINEER & REGULATORY NANAGER OFFICE: (304) 842-4088 CELL: (304) 476-9770

AARDH KUNZLER - CONSTRUCTION MANAGER CELL: (304) 842-4191

POHERY EDDY - UTILITY COORDINATOR

JIM WILSON - LAND AGENT OFFICE (204) 842-4419 CELL (204) 571-2708

ENGINEER/SURVEYOR:
NAVITUS ENGINEERING, INC.
CYRUS S. KUMP, PE - PROJECT

OFFICE (888) 662-4165 CELL (540) 686-8747 ENVIRONMENTAL

ALISTAR ECOLOGY, LLC RYAN L WARD - ENVIRONMENTAL SCIENTIST (806) 213-2666 CELL (304) 692-7477

AGROR AUNZALER - CUNSTRUCTION MANAGER CELLE (1904) 9482-4191 | GENT | FENSION STAMS SOIL & ROCK, INC. FENSION STAMS SOIL & ROC

- RESTRICTIONS NOTES:

 1 THERE ARE NO LAKES, PORDS, OR RESERVOIRS WITHIN 100 PEST OF THE WELL PAD AND LOD. THERE ARE PERSONNAL STREAMS & WITHAND IMPACTS THAT WILL NEED TO BE PERSONNETED BY THE APPROPRIATE AGENCIES.
- THERE ARE NO NATURALLY PRODUCING TROUT STREAMS WITHIN 300 FEET OF THE WELL PAD AND LOD.
- THERE ARE NO GROUNDWATER INTAKE OR PUBLIC WATER SUPPLY FACILITIES WITHIN 1000 FEET OF THE WELL PAD AND LOD.
- THERE ARE NO APPARENT EXISTING WATER WELLS OR DEVELOPED SPRINGS WITHIN 250 FEET OF THE WELLS) BEING DRILLED.
- THERE ARE NO AGRICULTURAL BUILDINGS LARGER THAN 2,500 SQUARE FEET WITHIN 825
 FEET OF THE CENTER OF THE WELL TAD.







REPRODUCTION NOTE THESE PLANS WERE CREATED TO BE PARTITED ON 22 TO A" (ANSI D) PAPER HALF SCALE DRAWINGS ARE ON 17 MIT (ANSI H) PAPER

DESIGN CERTIFICATION:
THE DRAWNGS, CONSTRUCTION NOTES, AND REFERENCE DIAGRAMS
ATTACHED HERRETO HAVE BEEN PREPARED IN ACCORDANCE WITH
THE WEST VIRGINIA DODE OF STATE RULES, DIVISION OF
ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS CISS 35-6.

IMESE PLANS WERE CREATED FOR COLOR PLOTTING AND ANY MODULTHORS IN GRAY SCALE OR COLOR MAY PESSILT IN A LOSS OF MAKION AND SHOULD NOT HE USED FOR CONSTRUCTION PUBLISHED



MISS Utility of West Virginia 1-800-245-4848 West Virginia State Law (Section XIV: Chapter 24-C) Requires that you call two business days before you dig in the state of West Virginia. IT'S THE LAW!!

SHEET INDEX:

- COVER SHEET
 CONSTRUCTION AND EAS CONTROLS NOTES
 LEGEND

- COVERS STREAM
 CONSTRUCTION AND EAS SOME
 MAXIBRAL QUANTITIES
 MAXIBRAL QUANTITIES
 MAXIBRAL QUANTITIES
 STREAM REPLANAGE & EAS COMPUTATIONS
 EXCITING CONDITIONS
 FRACTICUTES
 PACCIES FROM STREAM FROM PAPER
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 PACCIES FROM PAPER
 DA & STOCKPILE PLAN
 11 WELL PAD GREINING PLAN
 12 WELL PAD GREINING PLAN
 14 WELL PAD GREINING PLAN
 15 ACCESS FROM PROPILE
 16 WELL PAD ASTROMOS
 17 STREAM CRISSING DETAILS
 17 STREAM CRISSING DETAILS
 18 STREAM CRISSING DETAILS
 18 STREAM CRISSING DETAILS
 18 ACCESS FROM STREAM
 FROM PROPILE
 18 ACCESS FROM PROPILE
 18 AC

	REA (AC)
Total Size	
Access Road "A" (1576")	461
Staging Area	0.75
Well Pad	10.35
Excess/Topsoil Material Stockpiles	12.74
Total Affected Area	28.45
Total Wooded Acres Disturbed	16 80
impacts to Shirley J. Wells E Susie Conningham Raigh D. Wells Otio G. Wells TM 7	
Access Road "A" (1576")	4.61
	4.61 0.75
Access Road "A" (1576')	
Access Road "A" (1576') Staging Area	0.75
Access Road "A" (1576") Staging Area Well Pad	10.35

Well Name	NAD 27	MAD 27 Lat & Long	(METERS) ZONE 17	IMD IS LAT & Long
	DESCRIPTION OF THE PERSON OF T	Pen	mitted Location	Name and Address of the Owner, where
Trunk	N 200089-52	LAT 39-25-16:2020	N 4383527 on	LAT 39-25-16 5602
UNIT 1H	E 1574172.28	LONG 81/00/25/6074	E 499378 30	LONG 41400-25.0018
Trunk	N 339094 54	CAT-30-26-16-2452	FI 4303025.50	LAT 39-25-10,5223
UNIT 2H	E 1574195 43	LONG -81-00-26-4250	E 499362 63	LONG -81-00-25 8205
Martindill	N 339079.56	LAT 39-25-16 1983	N 4353524.11	LAT 30:25 16:4754
UNIT TH	E 1574200.57	LONG -81-10-25 2447	E 495385.97	LONG 41-00-25 6391
Martindill	N 309074 58	LAT 30-25-16 1514	N-4363522 68	LAT 30-25-16 4265
UNIT 2H	E 1574214.72	LONG -01-00-26 0033	E 499391 30	LONG 81-00-25-4578
Little	N 339069.60	LAT-39-25-15 1045	N 4363621.22	LAT 39-25-16 3817
UNIT 18	E 1574229.87	LONG -81-06-75 8120	E 496395 64	CNG-61-00-25-2764
Little	N 339064 62	LAT 39-25-15-0577	N.4363519.77	LAT 39-25-16-3548
UNIT 2H	E 1574243 02	LONG 81-00-25,7006	E 497309 98	LONG 81-00-25 0961
Oxbow	N 338145.72	LAT 39-25-16 8041	N 4303542 79	LAT 3# 25-17.0512
UNIT IH	E 1573913.90	LONG-#1-00-29 9485	E 490798-41	LCNG-81-09-29 3430
Onbow	N 339141 57	CAT 39-25-16 7905	N 4363541 45	LAT 39-25-17 0376
UNIT 2H	E 1573925 25	LONG -81-00-29 7058	E 499302 78	LONG-81-05-29 1003
Rain	N 339136 41	LAT 19-25-16 7188	14 4383540, 10	LAT 39-25-16 9939
UNIT TH	E 1573939.51	LONG -61-00/29-5831	E 493307.15	LCN3-81-05-28.9777
Rati	N 339131.75	LAT 38-25-18-6732	N 4353578.75	LAT 39-25-15-9503
UNIT 2H	€ 1573962.77	LONG-#1-00-29-4005	E 402211 51	LONG -81-08-28 7980
Wrighty	N 330150 15	EAT 30-25-17 0700	N 4363850.93	LAT 39-25-17.3500
LINIT SV	E 1574108.63	LONG -81-00-27,4600	E.409357,68	LCNG-61-00-26 8500
Proposed Wat R	ad Elevation	937.0		

WRIGLEY WETL	AND IMPAC	T (SQUARE FEE	ETY.
Wetland and Impact Cause	FIII (SF)	Total Impact (SF)	Total Impact
GAI Wettered 12 (Access Road)	70	70	0.002
ASE Wetland 1 (Access Road)	1.593	1.593	0.04

WRIGLEYPE	RENVIAL B	TREAM IMPACT	LINEAR FEET	
	Penns	nent impacts	Tarop. Impacts	*****
Stream and Impact Cause		Ininta/Outlets Structures (LF)	Controls (LF)	(LF)
GA! Streem 1 (Access Road)	65	0	34	99

The second second	Perma	nent impacts	Temp Impacts	Tatal Impac
Streem and Impact Gause	Culvert /Fill (LF)	Inlets/Outlets Structures (LF)	Controls (LF)	(LF)
ASE Stream 10 (Access Road)	37	18	28	81
GAI Stream 35 ASE Stream 9 (Access Road)	89	45	22	156

S EERING ENGIN

REVISION REVISED PER WELLS	DATE	22 REVISE		1	
	VISION	D PER WE	1		



WRIGLEY COVER 8 PAD



DATE: 01/17/2022 SCALE AS SHOWN SHEET 1 OF 27

