

#### 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

Wednesday, July 28, 2021 WELL WORK PERMIT Horizontal 6A / New Drill

ANTERO RESOURCES CORPORATION 1615 WYNKOOP STREET

DENVER, CO 80202

Re: Permit approval for NALLEY 5H

47-095-02748-00-00

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: NALLEY 5H

Farm Name: ROBERT D. NALLEY, ET UX

U.S. WELL NUMBER: 47-095-02748-00-00

Horizontal 6A New Drill Date Issued: 7/28/2021

API Number: 47-095-02748

### 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. <u>Failure to adhere to the specified permit conditions may result in enforcement action</u>.

#### **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-5a (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 the operator drill more than one hundred (100) feet below the bottom of the void or install less than twenty (20) feet of casing below the bottom of the void.
- 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 shall be flow tested by the operator upon request of the drinking well owner prior to operating the water supply well.
- 6. Pursuant to the requirements pertaining to the sampling of domestic 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 of the users who may have requested such analyses.
- 7. 24 hours prior to the initiation of the completion process the operator shall notify the Chief or his designee.
- 8. During the completion process the operator shall monitor annular pressures and report any anomaly noticed to the chief or his designee immediately.
- 9. If any explosion or other accident causing loss of life or serious personal injury occurs in or about a well or well work on a well, the well operator or its contractor 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 accident.
- 10. During the casing and cementing process, in the event cement does not return to the surface, the oil and gas inspector shall be notified within 24 hours.

API Number: 47-095-02748

### PERMIT CONDITIONS

11. The operator shall provide to the Office of Oil and Gas the dates of each of the following within 30 days of their occurrence: completion of construction of the well pad, commencement of drilling, completion of any other permitted well work, and completion of the well. Such notice shall be provided by sending an email to DEPOOGNotify@wv.gov.

API NO. 47-095 -	02	.740
OPERATOR WELL	NO.	Nailey Unit 5H
Well Pad Name:	Nalley	Pad

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

1) Well Opera	tor: Antero	Resources	Corpora	494507062	095 - Tyler	Lincoln	Paden City 7.5'
•				Operator ID	County	District	Quadrangle
2) Operator's '	Well Numbe	er: Nalley Un	it 5H	Well Pa	ad Name: Nalle	ey Pad	
3) Farm Name	/Surface Ov	vner: Robert	D. Nalley	et ux Public Ro	oad Access: W	/-18 Tyler	Highway
4) Elevation, c	urrent grou	nd: 972'	EI	evation, proposed	d post-construct	ion:	
5) Well Type	(a) Gas Other	X	Oil	Und	derground Stora	.ge	
	(b)If Gas	Shallow	X	Deep			
6) Existing Pac	d: Ves or No	Horizontal Yes	<u>X</u>				DA4
7) Proposed Ta	arget Forma	tion(s), Depth		ipated Thickness ss- 55 feet, Assoc			7-26-31
8) Proposed To							
9) Formation a			Marcellus				CEIVED
10) Proposed 7	Total Measu	red Depth:	6600' MD	)			
11) Proposed F	Horizontal L	eg Length:	D'			JUL	262
12) Approxima			pths:	158'			Department of nental Protection
13) Method to			_	17-095-00912-00		EHAILOHII	nonce reception
14) Approxima			-				
15) Approxima							
		-		ne, karst, other):	None Anticipa	ited	
17) Does Propo directly overly	osed well lo	cation contain	coal sear			x	
(a) If Yes, pro	ovide Mine	Info: Name:					
		Depth					
		Seam:					
		Owner	•			····	

WW-6B (04/15)

API NO. 47-085 - 02148 OPERATOR WELL NO. Natley Unit 5H Well Pad Name: NaRey 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	H-40	94#	80	80	CTS, 77 Cu. Ft.
Fresh Water	13-3/8"	New	J-55	54.5#	300	300	CTS, 574 Cu. Ft.
Coal	9-5/8"	New	J-55	36#	2500	2500	CTS, 1018 Cu. Ft.
Intermediate							
Production	5-1/2°	New	P-110	23#	6600	6600	1381 Cu. Ft
Tubing	2-3/8"	New	N-80	4.7#			
Liners							

ТҮРЕ	Size (in)	Wellbore Diameter (in)	Wall 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							
Production	5-1/2"	8-3/4" & 8-1/2"	0.415"	12,630	2500	Land-H/POZ & Tail - H	H/POZ-1.44 & H-1.8
Tubing	2-3/8"	4.778"	0.19"	11,200			
Liners							RECEIVED

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WV Department of Environmental Protection Kind: N/A Sizes: N/A Depths Set: N/A

**PACKERS** 

API NO. 47- 095	0	3748
OPERATOR WELL		
Wall Dad Name:	Nation	Pod

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

Drill, perforate, fracture a new horizontal shallow well and complete 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): 34.58 acres
- 22) Area to be disturbed for well pad only, less access road (acres): 6.43 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:

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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

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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.

API Number 47 - 095 - 02748
Operator's Well No. Nestsy Unit 5H

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

## OFFICE OF OIL AND GAS FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name Antero Resources Corp	cration	OP Code 49450706	<u> </u>
Watershed (HUC 10) Outlet Middle	Island Creek Q	uadrangle Paden City 7.5'	and the second s
Do you anticipate using more than 5,	000 bbls of water to complete the	proposed well work? Yes 📝	No
Will a pit be used? Yes	No 🗸		
If so, please describe anticip	ated pit waste: No pit will be used at this att	(Oriting and Flowback Fluids will be stored in tanks. Cuti	
Will a synthetic liner be use	d in the pit? Yes No _	If so, what ml.? N/A	- J-31-31
Proposed Disposal Method	For Treated Pit Wastes:		المعادي ,
Reuse (at	nd Injection (UIC Permit Numb API Number <u>Future permitted well locs</u> isposal (Supply form WW-9 for d	tions when applicable. AP# will be provided lisposal location) [Meadowfill Land	on Form WR-34
Will closed loop system be used? If	so, describe: Yes, fluids stored in	lanks, cuttings removed offsite and	taken to landfill.
Drilling medium anticipated for this		\$urito	- Air/Fresinerter, Intermed ste - IIT Foun, Production - Water Based Mud
-If oil based, what type? Sy	nthetic, petroleum, etc. Synthetic		
Additives to be used in drilling media	m? Please See Attachment		• •
Drill cuttings disposal method? Leav	e in pit, landfill, removed offsite,	etc. Drill cuttings stored in tanks, remov	ed offsite and taken to landfill.
-If left in pit and plan to soli	dify what medium will be used? (	cement, lime, sawdust) N/A	
-Landfill or offsite name/per	mit number? Meadowfill Landfill (Perm	it #SWF-1032-88), Northwestern Landfill (Pe	mil # SWF-1025/WV0109410)
Permittee shall provide written notice West Virginia solid waste facility. Th where it was properly disposed.	to the Office of Oil and Gas of ar e notice shall be provided within 2	y load of drill cuttings or associa 24 hours of rejection and the perm	nittee shall also disclose
on August 1, 2005, by the Office of C provisions of the permit are enforcea law or regulation can lead to enforcen I certify under penalty of la application form and all attachment obtaining the information, I believe penalties for submitting false informa	ble by law. Violations of any tent action.  In that I have personally examins thereto and that, based on my that the information is true, acc	epartment of Environmental Prot m or condition of the general pot ted and am familiar with the in y inquiry of those individuals it turate, and complete. I am awa	formation submitted on this mmediately responsible for that there are significant RECEIVED Office of Oil and Gas
Company Official (Typed Name) Grant	etchen Kohler	-	JUI 2621
Company Official Title Senior Enviro		· · · · · · · · · · · · · · · · · · ·	WV Department of Environmental Protection
Subscribed and swom before me this_	23 day of 114	. 2021	
F Rexamble A	15/18/82	Notary Pub	ALEXANDRIA CASTILLO
	23, 2022		ALEXANDRIA CASTILLO HOTARY PUBLIC STATE OF COLORADO NOTARY ID 20184028703 AY COMMISSION EXPIRES JALY 23, 2022

Form WW-9 Operator's Well No. Nailey Unit 5H Antero Resources Corporation Proposed Revegetation Treatment: Acres Disturbed 34.58 Prevegetation pH Tons/acre or to correct to pH 6.5 Fertilizer type Hay or straw or Wood Fiber (will be used where needed) Fertilizer amount\_500 lbs/acre Mulch 2-3 Tons/acre Main Access Rond (12.31 scres) + Access Road 2 (18scres) + Staging Area B (1.09) + Well Ped (6.43scres) + Spoil Pile 1 (3.33scres) + Topacil (11.04scres) = 34.58 Seed Mixtures Permanent Temporary Seed Type lbs/acre Seed Type lbs/acre 10-15 Annual Ryegrass 40 Crownvetch Tall Fescue Field Bromegrass See attached Table IV-3 for additional seed type (Nalley Pad Design) See attached Table IV-4A for additional seed type (Nalley Pad Design) \*or type of grass seed requested by surface owner \*or type of grass seed requested by surface owner Maps(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided). If water from the pit will be land applied, include dimensions (L x W x D) of the pit, and dimensions (L x W), and area in acreage, of the land application area. Photocopied section of involved 7.5' topographic sheet. Plan Approved by: Comments: \_\_\_\_ JUL 26 .21 WV Department of **Environmental Protection** Oil + Bus Inspire Date: 1-26-21

Field Reviewed?

#### Form WW-9 Additives Attachment

#### **SURFACE INTERVAL**

- 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

5. 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

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VW Department of Environmental Protection 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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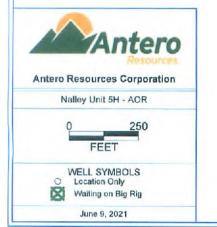
JUN 2 4 2021

WV Department of Environmental Protection



# Nalley Unit 5H





Office of Oil and Gas

JUN 2 4 2021

WV Department of Environmental Protection

4709502748

Perforated Formation(s) | Producible Formation(s) not perf'd

WV Department of Environmental Protection JUN 2 4 2021

 UWI (APINum)
 Well Name

 47095021300000
 PURSLEY UNIT

 47095021750000
 PURSLEY UNIT

Well Number

1H

2D

Operator Hist Oper
ANTERO RESOURCES CORPORATION
ANTERO RESOURCES CORPORATION
ANTERO RESOURCES CORPORATION
ANTERO RESOURCES CORPORATION

TD

5,200

Perforated Interval (shallowest, deepest)



### 911 Address 2983 Tyler Highway Sisterville, WV 26175

# Well Site Safety Plan Antero Resources

Well Name: Nalley Unit 5H

7-26-21

Pad Location: NALLEY PAD

Tyler County/Lincoln District

**GPS Coordinates:** 

Entrance - Lat 39.537176"/Long -80.956037" (NAD83)

Pad Center - Lat 39.544550"/Long -80.954729" (NAD83)

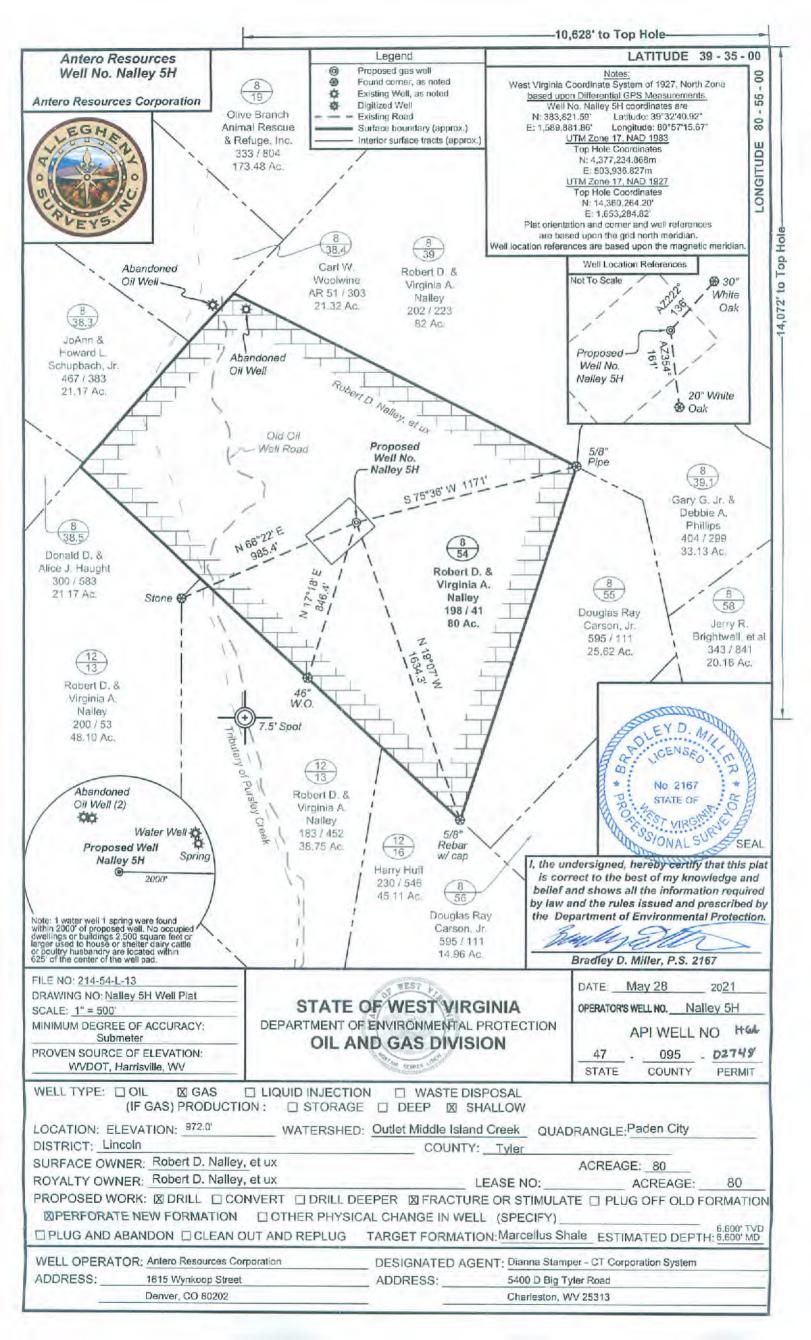
**Driving Directions:** From Sistersville, WV Head south on WV-2/Chelsea street for 1 mile. Turn left onto WV-18 S/Tyler Highway and continue for 2.9 miles. Access road will be on left.

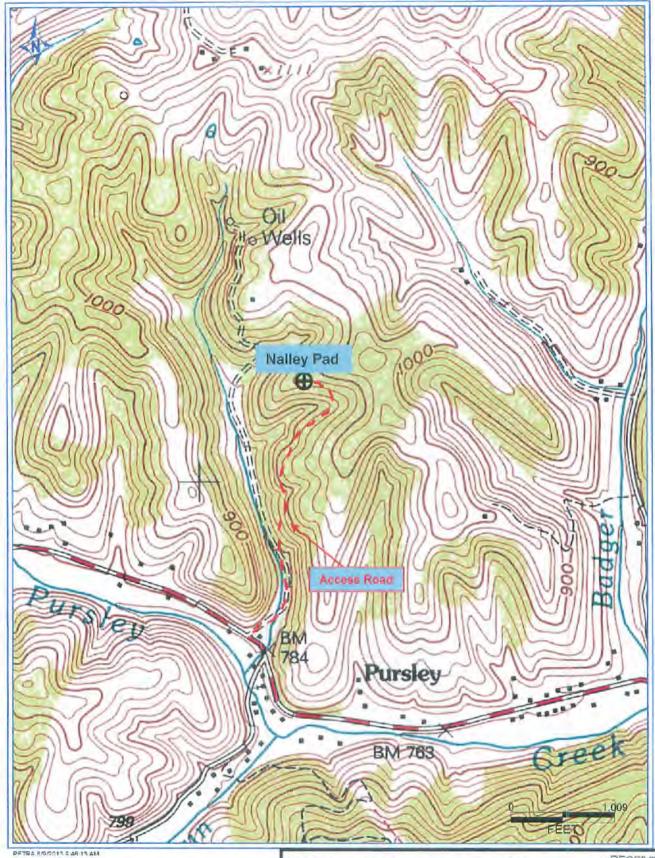
**Alternate Route:** From the Volunteer Fire Department in Middlebourne, WV-Head northeast on WV-18N/Mains St towards Sistersville, WV for 8.2 miles. The access road will be on your right.

EMERGENCY (24 HOUR) CONTACT 1-800-878-1373 CEIVED Office of Oil and Gas

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Antero Resources Corporation and Gas

Appalachian Basin Nalley Pad Tyler County

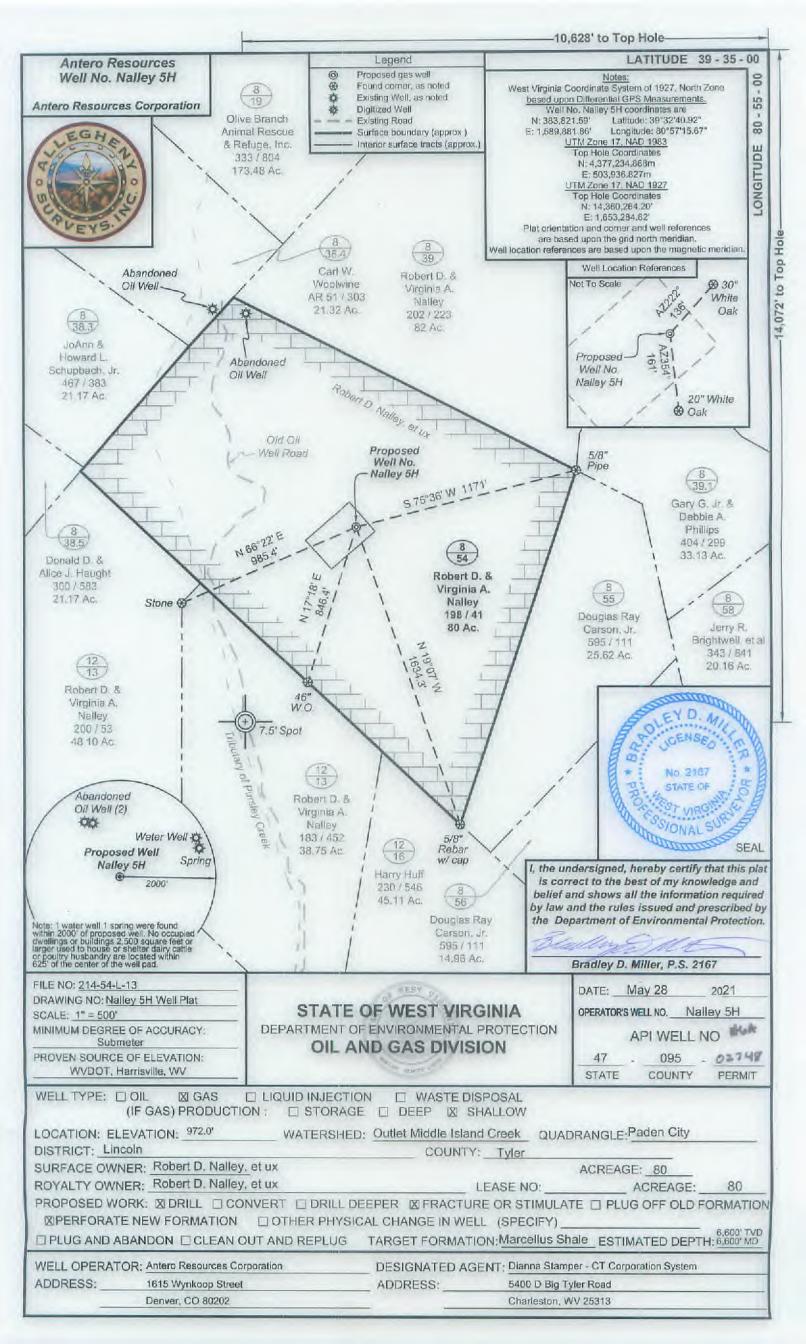
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WV Department of Environmental Fictertion

Quadrangle: Paden City

Watershed: Point Pleasant Creek

District: Lincoln Date: 6-22-2021



Operator's Well Number

Nalley Unit 5H

# 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
Robert D. Nalley et ux Lease  Robert D. Nalley et ux  Antero Resources Appalachian Corporation	Antero Resources Appalachian Corporation Antero Resources Corporation	1/8+ Name Change	403/711 <b>557/430</b>

Operator's Well No. Nalley Unit 5H

WW-6AI (5/13)

#### 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
Robert D. Nalley et ux Lease		· · · · · · · · · · · · · · · · · · ·		
	Robert D. Nalley et ux Antero Resources Appalachian Corporation	Antero Resources Appalachian Corporation	1/8 + Name Change	403/711 557/430

\*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.

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WV Department of Environmental Protection

### 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 Reso	urces Corporation
By:	Tim Rady	Inc. Tady
Its:	VP of Land	1



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

June 8, 2021

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

RE:

Nalley Unit 5H

Quadrangle: Paden City 7.5'

Tyler County/Lincoln District, West Virginia

Mr. Martin:

Antero Resources Corporation (Antero) is submitting the following application for a new well work permit for the Nalley Unit 5H horizontal shallow well. 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 Nalley Unit 5H horizontal lateral will drill through including any and all roads crossed under as identified on the attached survey plat.

Sincerely,

Jared Hurst Land Manager

Jared Hurst

Office of Oil and Gas

JUN 2 4 2021

WW Department of Environmental Protection Date of Notice Certification: 06/22/2021

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

API No. 47- 095

Operator's Well No. Nalley Unit 5H Well Pad Name: Nalley Pad

State:	tract of land as follows: West Virginia	Easting:	503939.827m
County:	Tyler	UTM NAD 83 Basting. Northing:	4377234.868m
District:	Lincoln		WV-18 Tyler Highway
Quadrangle:	Paden City 7.5'	Generally used farm name:	Robert D. Nailey et ux
Watershed:	Outlet Middle Island Creek		
prescribed by it has provid information r of giving the requirements Virginia Cod	the secretary, shall be verified and ed the owners of the surface described equired by subsections (b) and (c), surface owner notice of entry to of subsection (b), section sixteen	, every permit application filed under this shall contain the following information: (14 ribed in subdivisions (1), (2) and (4), subsessection sixteen of this article; (ii) that the required pursuant to subsection (a), section to of this article were waived in writing by the tender proof of and certify to the secretary thant.	A certification from the operator that ection (b), section ten of this article, uirement was deemed satisfied as a re- en of this article six-a; or (iii) the no- he surface owner; and Pursuant to W
that the Ope	West Virginia Code § 22-6A, the Corator has properly served the requirect ALL THAT APPLY	Operator has attached proof to this Notice Cored parties with the following:	OOG OFFICE USE ONLY
☐ 1. NO	TICE OF SEISMIC ACTIVITY of	NOTICE NOT REQUIRED BECAU SEISMIC ACTIVITY WAS CONDUCT	- KECELLED
☐ 2. NO	TICE OF ENTRY FOR PLAT SUR	EVEY or  NO PLAT SURVEY WAS CO	NDUCTED RECEIVED
■ 3. NO	TICE OF INTENT TO DRILL OF	NOTICE NOT REQUIRED BECAU NOTICE OF ENTRY FOR PLAT SURV WAS CONDUCTED or	- TOCELTED
		☐ WRITTEN WAIVER BY SURFACE	CE OWNER
		(PLEASE ATTACH)	
■ 4. NO	TICE OF PLANNED OPERATION	(PLEASE ATTACH)	□ RECEIVED
2 - 1	TICE OF PLANNED OPERATION	(PLEASE ATTACH)	□ 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-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:

Notary Public

#### 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 Diana C

Its: SVP Operations

Telephone: 303-357-7223

Address: 1615 Wynkoop Street

Denver, CO 80202

Facsimile: 303-357-7315

Email: mstanton@anteroresources.com

NOTARY SEAL

ALEXANDRIA CASTILLO
NOTARY PUBLIC
STATE OF COLORADO
NOTARY ID 20184029703
MY COMMISSION EXPIRES JULY 23, 2022

Subscribed and sworn before me this 23 day of June.

Alexandria & Cotius

My Commission Expires July 23, 2072

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@wy.gov.

WW-6A (9-13) API NO. 47- 995 OPERATOR WELL NO. Nalley Unit 5H
Well Pad Name: Nalley Pad

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

Notice Time Requirement: notice shall be provided no later th	an the filing date of permit application.
Date of Notice: 6/23/2021 Date Permit Application Filed: 6/2	3/2021
Notice of:	
✓ PERMIT FOR ANY ☐ CERTIFICATE OF AP	PROVAL FOR THE
<u> </u>	AN IMPOUNDMENT OR PIT
Delivery method pursuant to West Virginia Code § 22-6A-1	0(b)
☐ PERSONAL ☐ REGISTERED ☑ METH	HOD OF DELIVERY THAT REQUIRES A
SERVICE MAIL RECE	EIPT OR SIGNATURE CONFIRMATION
the surface of the tract on which the well is or is proposed to be local and gas leasehold being developed by the proposed well work, described in the erosion and sediment control plan submitted pursu operator or lessee, in the event the tract of land on which the well pursu operator or lessee, in the event the tract of land on which the well pursu operator or lessee, in the event the tract of land on which the well pursu work, if the surface tract is to be used for the placement, consimpoundment or pit as described in section nine of this article; (5) have a water well, spring or water supply source located within one provide water for consumption by humans or domestic animals; an proposed well work activity is to take place. (c)(1) If more than the subsection (b) of this section hold interests in the lands, the application of the sheriff required to be maintained pursuant to section provision of this article to the contrary, notice to a lien holder is not	the well plat to each of the following persons: (1) The owners of record of cated; (2) The owners of record of the surface tract or tracts overlying the if the surface tract is to be used for roads or other land disturbance as unit to subsection (c), section seven of this article; (3) The coal owner, proposed to be drilled is located [sic] is known to be underlain by one or racts overlying the oil and gas leasehold being developed by the proposed truction, enlargement, alteration, repair, removal or abandonment of any Any surface owner or water purveyor who is known to the applicant to be thousand five hundred feet of the center of the well pad which is used to be do
☑ Application Notice ☑ WSSP Notice ☑ E&S Plan Notice	e ☑ Well Plat Notice is hereby provided to:
☑ SURFACE OWNER(s)	☐ COAL OWNER OR LESSEE
Name: Robert D. & Virginia A. Nalley Address: 2549 Tyler Highway	Name: NO DECLARATIONS ON RECORD WITH COUNTY
Sistersville, WV 26175	Address:
Name:	
Address:	□ COAL OPERATOR
Address:	☐ COAL OPERATOR  Name: NO DECLARATIONS ON RECORD WITH COUNTY
	□ COAL OPERATOR
SURFACE OWNER(s) (Road and/or Other Disturbance)	☐ COAL OPERATOR Name: NO DECLARATIONS ON RECORD WITH COUNTY Address:
SURFACE OWNER(s) (Road and/or Other Disturbance) Name:	☐ COAL OPERATOR  Name: NO DECLARATIONS ON RECORD WITH COUNTY
SURFACE OWNER(s) (Road and/or Other Disturbance) Name: Address:	☐ COAL OPERATOR Name: NO DECLARATIONS ON RECORD WITH COUNTY Address:  [Z] WATER PURVEYOR(s)/OWNER(s) OF WATER WELL.
□ SURFACE OWNER(s) (Road and/or Other Disturbance) Name: Address: Name:	☐ COAL OPERATOR Name: NO DECLARATIONS ON RECORD WITH COUNTY Address:  WATER PURVEYOR(s)/OWNER(s) OF WATER WELL. SPRING OR OTHER WATER SUPPLY SOURCE Name: NO WELLS WITHIN 1500'
SURFACE OWNER(s) (Road and/or Other Disturbance) Name: Address:	☐ COAL OPERATOR Name: NO DECLARATIONS ON RECORD WITH COUNTY Address:  WATER PURVEYOR(s)/OWNER(s) OF WATER WELL. SPRING OR OTHER WATER SUPPLY SOURCE Name: NO WELLS WITHIN 1500' Address:
□ SURFACE OWNER(s) (Road and/or Other Disturbance) Name: Address: Name: Address:	☐ COAL OPERATOR Name: NO DECLARATIONS ON RECORD WITH COUNTY Address:  ☐ WATER PURVEYOR(s)/OWNER(s) OF WATER WELL. SPRING OR OTHER WATER SUPPLY SOURCE Name: NO WELLS WITHIN 1500' Address:  ☐ OPERATOR OF ANY NATURAL GAS STORAGE FIELD
□ SURFACE OWNER(s) (Road and/or Other Disturbance) Name: Address:  Name: Address: □ SURFACE OWNER(s) (Impoundments or Pits)	☐ COAL OPERATOR Name: NO DECLARATIONS ON RECORD WITH COUNTY Address:  ☐ WATER PURVEYOR(s)/OWNER(s) OF WATER WELL. SPRING OR OTHER WATER SUPPLY SOURCE Name: NO WELLS WITHIN 1500' Address:  ☐ OPERATOR OF ANY NATURAL GAS STORAGE FIELD Name: Office of Oil and Gas
□ SURFACE OWNER(s) (Road and/or Other Disturbance) Name: Address: Name: Address:	☐ COAL OPERATOR Name: NO DECLARATIONS ON RECORD WITH COUNTY Address:  ☐ WATER PURVEYOR(s)/OWNER(s) OF WATER WELL. SPRING OR OTHER WATER SUPPLY SOURCE Name: NO WELLS WITHIN 1500' Address:  ☐ OPERATOR OF ANY NATURAL GAS STORAGE FIELD

API NO. 47- 095 OPERATOR WELL NO.

WD

Well Pad Name: Nalley 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 e of un. Office of Oil and Gas 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 stayon 2 4 2021

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 shall: (1) to request sampling and analysis; (2) advise the surface owner and water purveyor of the rebuttable presumption for contamination or reduction 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/oiland-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

API NO. 47-095 - O2748
OPERATOR WELL NO. Nalley Unit 5H

Well Pad Name: Nalley 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 drilling horizontal wells, including reasonable means of mitigating such factors, if necessary.

#### 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:

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 confine the applicant's proposed well work to the Secretary at:

Chief, Office of Oil and Gas Department of Environmental Protection 601 57<sup>th</sup> St. SE Charleston, WV 25304 (304) 926-0450 JUN 2 4 2021

W Department of Environmental Protection

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- 995 - O2748

OPERATOR WELL NO. Nalley Unit 5H

Well Pad Name: Nalley 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 <a href="http://www.dep.wv.gov/oil-and-gas/Horizontal-Permits/Pages/default.aspx">http://www.dep.wv.gov/oil-and-gas/Horizontal-Permits/Pages/default.aspx</a> 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- 095 OPERATOR WELL NO. Nalley Unit 5H Well Pad Name: Nalley Pad

Notice is hereby given by:

Well Operator: Antero Resources Corporation

Telephone: (303) 357-7223 Diana ( Email: mstanton@anteroresources.com

Address: 1615 Wynkoop Street

Denver, CO 80202

Facsimile: 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.

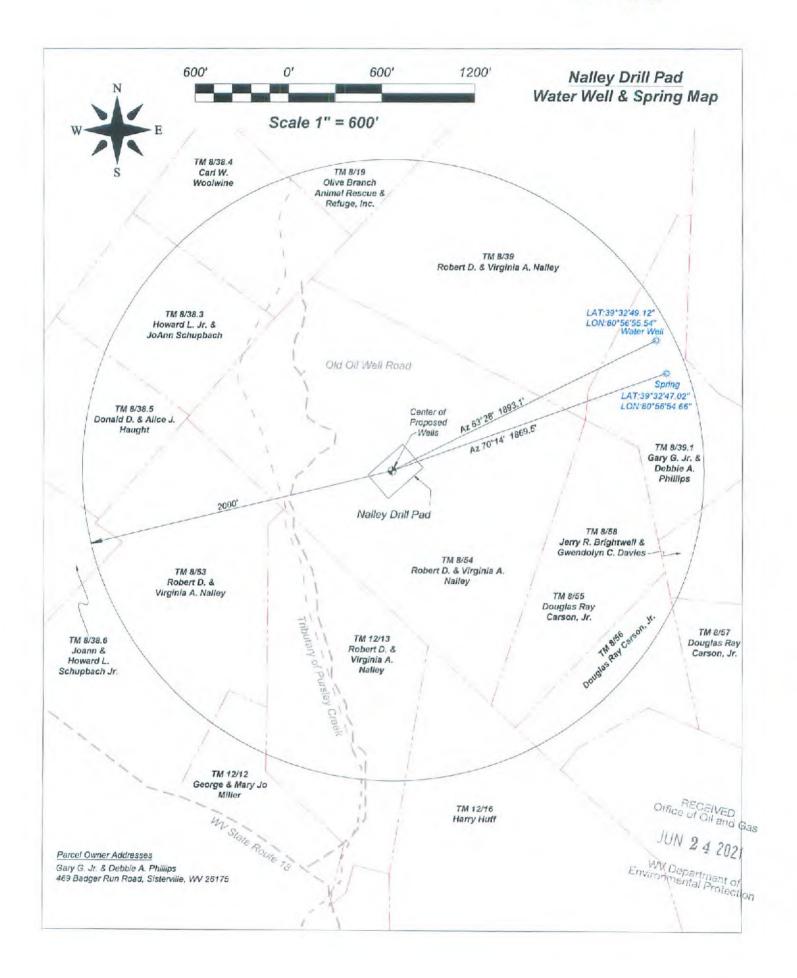
ALEXANDRIA CASTILLO NOTARY PUBLIC STATE OF COLORADO NOTARY ID 20184029703 MY COMMISSION EXPIRES JULY 23, 2022

Subscribed and sworn before me this 23 day of June, 2021

Alexandrax Cotius Notary Public

My Commission Expires July 23, 2022

Environmental Profession



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.

Date of Notic	e: 05/24/2021 Date Per		
Delivery met	hod pursuant to West Virginia Code § 2	22-6A-16(b)	
☐ HAND	■ CERTIFIED MAIL		
DELIVE		QUESTED	
receipt reques drilling a hori of this subsec subsection ma	sted or hand delivery, give the surface own izontal well: <i>Provided</i> , That notice given tion as of the date the notice was provided	ner notice of its intent to enter upon the pursuant to subsection (a), section te to the surface owner: <i>Provided, how</i> ner. The notice, if required, shall incl	an operator shall, by certified mail return the surface owner's land for the purpose of en of this article satisfies the requirements wever. That the notice requirements of this lude the name, address, telephone number, or's authorized representative.
	reby provided to the SURFACE OV		
The second secon	D. & Virginia A. Nalley	Name:	
Address: 2549		Address:	-
Notice is he Pursuant to W the surface ov	Vest Virginia Code § 22-6A-16(b), notice when's land for the purpose of drilling a ho	orizontal well on the tract of land as for	
Notice is he Pursuant to V	reby given: Vest Virginia Code § 22-6A-16(b), notice		
Notice is he Pursuant to W the surface ov State: County: District:	reby given: Vest Virginia Code § 22-6A-16(b), notice wner's land for the purpose of drilling a ho West Virginia	urizontal well on the tract of land as for UTM NAD 83  Basting: Northing: Public Road Access:	503936.827m 4377234.868m WV-18 (Tyler Hwy)
Notice is he Pursuant to W the surface ov State: County: District: Quadrangle:	reby given: Vest Virginia Code § 22-6A-16(b), notice wher's land for the purpose of drilling a howest Virginia  Tyler  Lincoln  Paden City	urizontal well on the tract of land as for Easting: Northing:	503936.827m 4377234.868m
Notice is he Pursuant to W the surface ov State: County:	reby given: Vest Virginia Code § 22-6A-16(b), notice wher's land for the purpose of drilling a howest Virginia  Tyler  Uncoln	urizontal well on the tract of land as for UTM NAD 83  Basting: Northing: Public Road Access:	503936.827m 4377234.868m WV-18 (Tyler Hwy)
Notice is he Pursuant to W the surface ov State: County: District: Quadrangle: Watershed:	reby given: Vest Virginia Code § 22-6A-16(b), notice wher's land for the purpose of drilling a howest Virginia  Tyler  Lincoln  Paden City	urizontal well on the tract of land as for UTM NAD 83  Basting: Northing: Public Road Access:	503936.827m 4377234.868m WV-18 (Tyler Hwy)
Notice is he Pursuant to W the surface ov State: County: District: Quadrangle: Watershed: This Notice Pursuant to V facsimile nur related to hor	reby given: Vest Virginia Code § 22-6A-16(b), notice wher's land for the purpose of drilling a howest Virginia  Tyler  Lincoln  Paden City  Outlet Middle Island Greek  Shall Include: West Virginia Code § 22-6A-16(b), this note and electronic mail address of the rizontal drilling may be obtained from the	urizontal well on the tract of land as for Easting: UTM NAD 83 Easting: Northing: Public Road Access: Generally used farm name:  notice shall include the name, addreperator and the operator's authorize Secretary, at the WV Department of	503936.827m 4377234.868m WV-18 (Tyler Hwy)
Notice is he Pursuant to W the surface ov State: County: District: Quadrangle: Watershed: This Notice Pursuant to V facsimile nur related to hor located at 600 Notice is he	reby given: Vest Virginia Code § 22-6A-16(b), notice wher's land for the purpose of drilling a howest Virginia  Tyler  Lincoln  Paden City  Outlet Middle Island Creek  Shall Include: West Virginia Code § 22-6A-16(b), this mber and electronic mail address of the rizontal drilling may be obtained from the 157th Street, SE, Charleston, WV 25304 (creby given by:	urizontal well on the tract of land as for Easting:  UTM NAD 83 Easting: Northing: Public Road Access: Generally used farm name:  notice shall include the name, addroperator and the operator's authorize Secretary, at the WV Department of 304-926-0450) or by visiting www.de	ollows: 503936.827m 4377234.868m WV-18 (Tyler Hwy) Nalley, Robert D. & Virginia A.  ress, telephone number, and if available, ed representative. Additional information of Environmental Protection headquarters, ep.wv.gov/oil-and-gas/pages/default.aspx.
Notice is he Pursuant to W the surface ov State: County: District: Quadrangle: Watershed: This Notice Pursuant to V facsimile nur related to hor located at 601 Notice is he Well Operato	reby given: Vest Virginia Code § 22-6A-16(b), notice wher's land for the purpose of drilling a howest Virginia  Tyler  Lincoln  Paden City  Outlet Middle Island Greek  Shall Include: West Virginia Code § 22-6A-16(b), this mber and electronic mail address of the rizontal drilling may be obtained from the 157th Street, SE, Charleston, WV 25304 (compared to the content of the conte	nrizontal well on the tract of land as for UTM NAD 83 Easting: Northing: Public Road Access: Generally used farm name:  notice shall include the name, addroperator and the operator's authorize Secretary, at the WV Department of 304-926-0450) or by visiting www.de	ollows: 503936.827m 4377234.868m WV-18 (Tyler Hwy) Nalley, Robert D. & Virginia A.  ress, telephone number, and if available, ed representative. Additional information of Environmental Protection headquarters, ep.wv.gov/oil-and-gas/pages/default.aspx.
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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 regulators of our regulators. 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)

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

Notice Time I Date of Notic	Requirement: notice shall be prov e: 06/23/2021 Date Per	ided no later than the filing mit Application Filed: 06/2		application,	
Delivery metl	nod pursuant to West Virginia C	ode § 22-6A-16(c)			
■ CERTIF	TIED MAIL	☐ HAND			
	N RECEIPT REQUESTED	DELIVERY			
return receipt the planned or required to be drilling of a hadamages to the (d) The notice of notice.	V. Va. Code § 22-6A-16(c), no late requested or hand delivery, give the peration. The notice required by provided by subsection (b), section orizontal well; and (3) A propose a surface affected by oil and gas ones required by this section shall be about the surface of the surface of the sheriff	this subsection shall inclu- this subsection shall inclu- in ten of this article to a surf- ed surface use and compens perations to the extent the da- given to the surface owner a	I will be used for de: (1) A copy ace owner whos ation agreemen umages are comp	or the drilling of a horiz of this code section; ( e land will be used in o t containing an offer of pensable under article s	zontal well notice of (2) The information conjunction with the of compensation for six-b of this chapter.
		at the time of notice):			
(at the address		Name:			
(at the address Name: Robert D	& Virginia A. Nalley	Name:	¥:		_
(at the address Name: Robert D Address: 2549 Sistensville, WV 26	& Virginia A. Natley Tyler Highway 1775  Pby given:	Address		yall aparatas bas decel	oned a place of
(at the address Name: Robert D Address: 2549 Sistersville, WV 26  Notice is here Pursuant to W operation on State: County:	& Virginia A. Nalley Tyler Highway  20175  2019 Given: Lest Virginia Code § 22-6A-16(c), the surface owner's land for the put West Virginia Tyler	Address  notice is hereby given that the prose of drilling a horizonta  UTM NAD 8	ne undersigned value on the tra Basting: Northing:	ct of land as follows: 503936.827 4377234.868	oped a planned
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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 in 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.



## WEST VIRGINIA DEPARTMENT OF TRANSPORTATION Division of Highways

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

Byrd E. White, III Secretary of Transportation/ Commissioner of Highways

Jimmy Wriston, P. E. Deputy Secretary/ Deputy Commissioner

June 2, 2021

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

Subject: DOH Permit for the Nalley Pad, Tyler County
Nalley Unit 5H Well Site

Dear Mr. Martin,

This well site will be accessed from a DOH permit #06-2013-0438 which has been issued to Antero Resources for access to the State Road for a well site located off WV Route 18 at MP 26.86 in Tyler County.

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: Mallory Stanton Antero Resources CH, OM, D-6 File Office of Oil and Gas
JUN 2 4 2021

Environmental Protection

# List of Anticipated Additives Used for Fracturing or Stimulating Well

Additives	Chemical Abstract Service Number (CAS #)		
Fresh Water	7732-18-5		
2 Phosphobutane 1,2,4 tricarboxylic acid	37971-36-1		
Ammonium Persulfate	7727-54-0		
Anionic copolymer	Proprietary		
Anionic polymer	Proprietary		
BTEX Free Hydrotreated Heavy Naphtha	64742-48-9		
Cellulase enzyme	Proprietary		
Demulsifier Base	Proprietary		
Ethoxylated alcohol blend	Mixture		
Ethoxylated Nonylphenol	68412-54-4		
Ethoxylated oleylamine	26635-93-8		
Ethylene Glycol	107-21-1		
Glycol Ethers	111-76-2		
Guar gum	9000-30-0		
Hydrogen Chloride	7647-01-0		
Hydrotreated light distillates, non-aromatic, BTEX free	64742-47-8		
Isopropyl alcohol	67-63-0		
liquid, 2,2-dibromo-3-nitrilopropionamide	10222-01-2		
Microparticle	Proprietary		
Petroleum Distillates (BTEX Below Detect)	64742-47-8		
Polyacrylamide	57-55-6		
Propargyl Alcohol	107-19-7		
Propylene Glycol	57-55-6		
Quartz	14808-60-7		
Sillica, crystalline quartz	7631-86-9		
Sodium Chloride	7647-14-5		
Sodium Hydroxide	1310-73-2		
Sugar	57-50-1		
Surfactant	68439-51-0		
Suspending agent (solid)	14808-60-7		
Tar bases, quinoline derivs, benzyl chloride-quaternized	72480-70-7		
Solvent Naphtha, petroleum, heavy aliph	64742-96-7		
Soybean Oil, Me ester	67784-80-9		
Copolymer of Maleic and Acrylic Acid	52255-49-9		
DETA phosphonate	15827-60-8		
Hexamthylene Triamine Penta	34690-00-1		
Phosphino Carboxylic acid polymer	71050-62-9		
Hexamethylene Diamine Tetra	23605-75-5		
2-Propenoic acid, polymer with 2 propenamide	9003-06-9		
Hexamethylene diamine penta (methylene phosphonic acid)	23605-74-5		
Diethylene Glycol	111-46-6		
Methenamine	100-97-0		
Polyethylene polyamine	68603-67-8 Envi		
Coco amine	61791-14-8		
2-Propyn-1-olcompound with methyloxirane	38172-91-7		

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(Section XIV. Chapter 24-C)

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WYDOH COUNTY ROAD MAP



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DESIGN CERTIFICATION

WEST VIRGINIA COUNTY MAP



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WALEND RESOURCES CORPORATION

MERCHANGE ADDRESSES.

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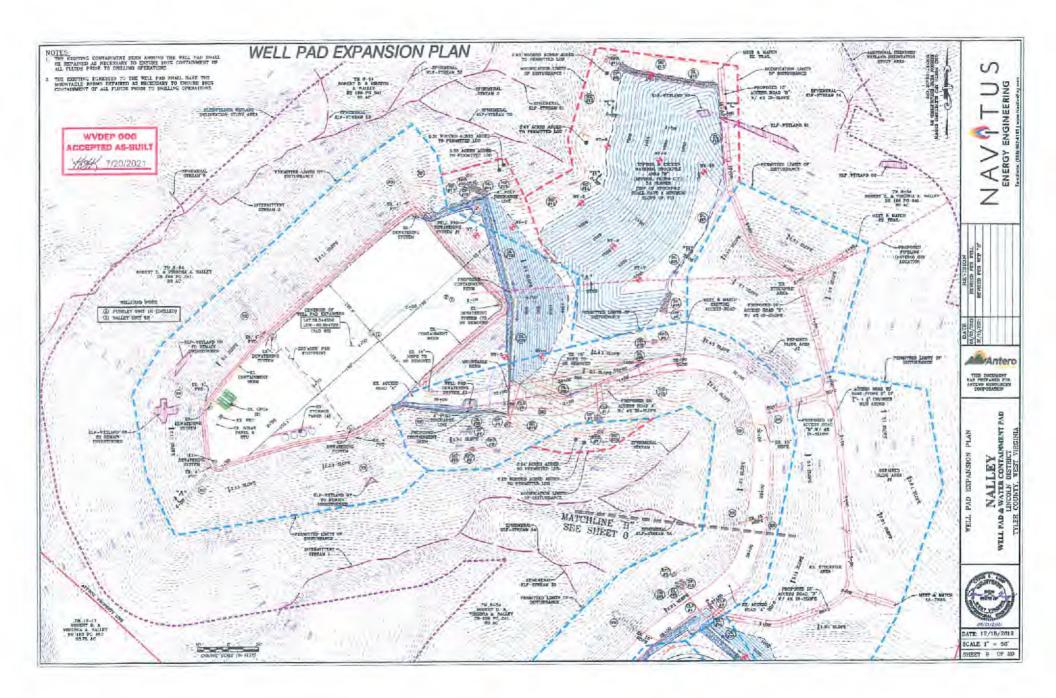
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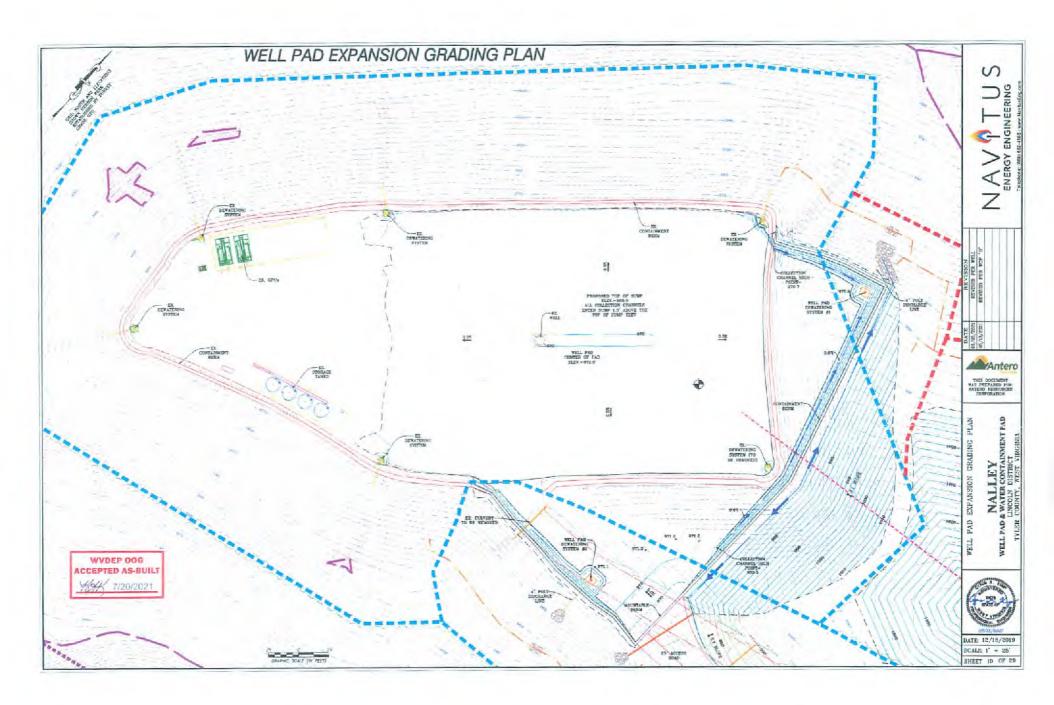
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LOCATION COORDINATES
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LATITUDE 39.837176 LONGITUDE -80.936037 (NAD RD) LATITUDE: 38.537099 LONGITUDE: -80.956205 (MAD 27) R 4378391 21 E 503777.85 (UTM ZONE 17 METERS)

CENTROIS OF MULL DAD EXPANSION CENTROID OF WELL PAD EXPANSION
LATITUDE: 32.544550 LONGITUDE: -80.954729 (NAD 83)
LATITUDE: 39.54474 LONGITUDE: -80.954880 (NAD 27)
N 4377209.71 E 593889.89 (UTM ZONE 17 METERS)

CENTER OF PROPOSED WATER CONTAINMENT TANK "A CENTER OF PROPUSED WATER CANADAMENT (NAD 83)
LATTUDE: 38.540904 LONGITUDE: -80.954184 (NAD 83)
LATTUDE: 38.540904 LONGITUDE: -80.954184 (NAD 83)
N 4376813.53 E 563938.90 (UTM ZONE 17 METERS)

CENTROID OF PROPOSED WATER CONTAINMENT TANK "B LATITUDE: 30.642935 LONGITUDE: -60.952717 (NAD 83) H 4377030.50 E 504062.64 (UTM ZONE 17 METERS)

GENERAL DESCRIPTION

THE ACCESS ROAD(S), WATER CONTABRAINT PAD, AND WELL PAD HAVE HEEN CONSTRUCTED TO ALL IN THE DEVELOPMENT OF INDIVIDUAL AGRICULUS SHALE GAS WELLS.

FLOODPLAIN NOTE

THE SITE IS LOCATED WITHIN FINA FLOOD ZONE X PER FEMA FLOOD MAP #54095C0040C.

ENVIRONMENTAL NOTES

WITHOUT DEPURENTING WERE PERFORMED NOVEMBER 2018 BY KLENFELDER TO REVIEW THE SITE
FOR WATERS AND WITHOUT THAT MRE MOST LIMELY WITHIN THE REQUILITORY PURVIEW OF THE U.S. ARMY CORPS OF ENGINEERS (USACE) AND/OR THE WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL ARMY CORPS OF ENGINEERS (USACE) AND/OR THE WEST VIRGINA DEPARTMENT OF ENVIRONMENTAL PROTECTION (WTDEP). THE DECEMBER OF DEBA INVESTIGATIONS, FEATURES MAP (MAP I) WAS PREPARED BY KLEINFELDER AND SUBGRAZES THE BESULTS OF THE FIELD BELIEVE TON. THE MAP DOES NOT, IN MAY WAY, REPRESENT A JUNESDICTIONAL DETERMINATION OF THE LANDHAM LIMITS OF WATERS AND WESTLANDS WHICH MAY SE RECULATED SY THE USACE OR THE WOULD.

GEOTECHNICAL NOTES:
A SUBSULVADE INVESTIGATION OF THE PROPOSED SITE WAS PERFORMED BY PENNSYLVANIA SOIL &
BOCK INC. BETFEEN NOVEMBER 29, 2010 A DECEMBER 07, 2018. THE REPORT PREPARED BY
PENNSYLVANIA SOIL & ROCK, DEC. DATED LANDARY 25, 2019, REPLECTS THE RESULTS OF THE
SUBSULVANE DIVESTIGATION. THE REPORTDATION AND RECONMENDATIONS CONTAINED IN THESE REPORT
BEENE DEED IN THE PREPARATION OF THESE PLANS. PLANSE RESERT TO THE SUBSULPANIA.
BY PENNSYLVANIAL SOIL & ROCK, DEC. FOR ADDITIONAL DEPORTMENT.

PROJECT CONTACTS:

OPERATOR: ANTERO RESOURCES CORPORATION 536 WHITE OAKS HLVD. HRIDGEPORT, WV 28530 PHONE: (304) 848-4100

ELI WAGGNER - ENVIRONMENTAL ENGINEER & SPRINATORY MANAGER DFFTCR: (304) 542-4068 CELL: (304) 476-9770

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AARON KUNZLER - CONSTRUCTION SUPERVISOR CELL: (405) 227-8344

ROBERT B. WIRKS - PIELD ENGINEER DEFTOR (304) 842-4100 CELL: (304) 627-7405

CHARLES E. COMPTON, III - SURVEYING COORDINATOR CELL: (504) 719-8449

DAVID PATSY - LAND AGENT CKIL: (804) 478-8090

ENGINEER/SURVEYOH:
NAVITUS ENGINEERING, INC.
CYKUS S. KUDAP, PE - PROJECT MANAGER/ENGINEER
OFFICE: (888) 862-4185 CELL (640) 508-6747

MATT ALBRICHT - PROJECT MANAGER OFFICE: (724) 772-7072 CTLL (809) P47-5298

PROPENTIANIA SOIL & ROCK, INC.
CHRISTOPHER W. SAMIDS - PROPERT ENGINEER
(412) 372-4000 CELL: (412) 589-0862

KLF-Weifand 01 (Road)

- RESTRICTIONS NOTES:

  1. THERE ARE NO WETLANDS, LAKES, PONDS, OR RESERVOIRS WITHIN 100 FEET OF THE WELL PAD AND LOD, THERE ARE PREMITTED AT THE APPROPRIATE AGENCIES. THERE ARE PERMITTED BY THE APPROPRIATE AGENCIES.

  2. THERE ARE NO RATURALLY PRODUCING TROUT STREAMS WITHIN 300 FEET OF TEZ WELL PAD AND
- THERE ARE NO GROUNDWATER DITAKE OR PUBLIC WATER SUPPLY PACILITIES WITHIN 1000 FEET DE
- THE WELL PAD AND LOD. THERE ARE NO EXISTING VATER WELLS OR DEVELOPED SPRINGS WITHIN 250 FEST OF BEING DIRECTOR.
- THERE ARE NO OCCUPIED DWELLING STRUCTURES WITHIN 525 FERT OF THE CENTER OF THE WELL THERE ARE NO AGRICULTURAL BUILDINGS LARGER THAN 2,500 SQUARE FEET WITHIN 625 FRET OF THE CENTER OF THE WELL PAD.

NALLEY WETLAND IMPACT (SOUARE FEET) Area Total Impac Disburbance FIR (SF) LOD. (SF) (AC) ISFI 350 372 177 0.009 KLF-Wetand 03 (Road) KLF-Wetland D4 (Road) KLF-Wetland 50 (Stockgile)

### NALLEY WELL PAD & WATER CONTAINMENT PAD AS-BUILT AND EROSION & SEDIMENT CONTROL IMPROVEMENT PLAN

LINCOLN DISTRICT, TYLER COUNTY, WEST VIRGINIA POINT PLEASANT CREEK WATERSHED

USGS 7.5 PADEN CITY QUAD MAP



#### WEST VIRGINIA COUNTY MAP



(NOT TO SCALE)

DESIGN CERTIFICATION THE DRAWINGS, CONSTRUCTION NOTES, AND REFERENCE HIAGRAMS ATTACKED HERETO HAVE SEEN PREPARED IN ACCORDANCE WITH THE WEST VERGINAL CODE OF STATE RULES.

The rate was sold of the way and a local

#### WVDOH COUNTY ROAD MAP



MISS Utility of West Virginia 1-600-245-4848 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:
1 - COVER SHEET
2 - CONSTRUCTION AND EAS CONTROL NOTES LEGEND

LEGEND
MATERIAL QUANTITIES
STORM DRAINAGE & EAS COMPUTATIONS
OVERALL PLAN SHEET INDEX & VOLUMES
ACCESS ROAD AS-BUILT FLAN

WATER CONTAINMENT PAD PLAN
WELL PAD EXPANSION PLAN
WELL PAD EXPANSION GRADING PLAN

11 - MATER CONTADNMENT PAD "B" GRADING PLAN
12 - WATER CONTADNMENT PAD "A" GRADING PLAN
13 - ACCESS BOAD PROFILES

13 - ACCESS HOAD PROFILES
14 - WELL PAD EXPANSION, WATER CONTAINMENT PAD
& ACCESS ROAD SECTIONS
15 - WELL PAD EXPANSION SECTIONS

15 - MELL PAD EXPANSION SECTIONS
16 - 17 - WHERE CONTAGNMENT PAD SECTIONS
18 - STOCKPILE SECTIONS
19 - STOCKPILE SECTIONS
27 - ACCESS BOAD AS-HILLS RECLAMATION PIAN
28 - MATTER CONTAGNMENT PAD ESCLAMATION PIAN
29 - THILL PAD EXPANSION RECLAMATION PIAN
20 - CANDALTERS -

CESOO-GESOS - GEOTECHNICAL DETAILS

TOD! SAL	-	Modelcation	Total
Access Road "A" & Staging Area "A" (3.712)	12.06	0.45	12.51
Access Road "A" is Staging Area "A" (58")	0.18	0.00	0.18
Ex Staging Area "9" / Prop. Water Confairment Pad	0.82	0.00	1.09
Well Pad Expansion	6.10	0.33	6.43
Ex. Water Containment Pad / Prop. Water Containment Pad "B"	1.62	1.71	3.33
Excess/Topisoli Material Stocksilles	5.82	5.22	11.04
Total Affected Area	26.60	7.98	34.58
Total Wooded Acres Disturbed	25.71	7.75	33.46
Impedisto Robert D. A. Virginia A. Nalley			33.40
Access Road "A" & Stacing Area "A" (3701)	0.51	0.00	0.81
Total Affected Area	0.51	0.00	0.61
Total Wooded Acres Disturbed	0.00	0.00	0.00
Impacts to Hobert D. & Virginis A. Halin			0.00
Access Road "A" & Staping Area "A" (18")	0.23	0.15	0.38
Total Affected Area	0.23	0.16	0.38
	11 20	0.15	0.31
Total Wooded Acres Disturbed			0.21
Impacts to Rosert Q, & virginia A, Salie			5.A7
Access Road "A" & Staging Area "A" [1,56"]	5.51	0.15	0.18
Access Road "B" (58")	0.18	0.00	1.09
Ex. Staging Area "B" / Prop. Water Containment Pad	0.00	1.19	1.19
Excess/Topool/Material Stockalles			
Total Affected Area	6.51	1.62	8.13
Total Wooded Acres Disturbed	6.47	1.62	8.09
repects to Robert O. 4. Veginia A. Nate			-
Access Road "A" & Staging Area "A" (1.763)	5.51 6.10	0.14	5.65
Well Pad Expansion		0.33	6.43
Ex. Water Containment Pad / Prop. Water Conteinment Pad "B"	1,52	171	3 33
Excess/Topsoil Material Stocksides	5.82	4.03	9.85
Total Affected Area	19.05	6.21	25,26
Total Wooded Acres Disturbed	19.04	8.02	25,06

Projected.	I STATES	(MAC) 27 Lat 6 E.b.m.	LIMINGLES II	MAKE BLOW BALL
Stat Street	HAD DE		- Date 17	Townson.
Puncley Unit 1H (Drilled Visit)	N 365753.19	LAT 39-32-42 3242	(1) 83/7/219 83/	LAT 39-32-40,5985
			E 803800 81	LCNG -80-87-15-5078
Well Pad Elevation	977.0			

Mini Nazan	rug ct	NAME OF LIFT & LONG	TONE IT	NAC AT Lan. 8 Lang
		Property	I WHAT LEEDING	
Malley		LAT 39-33-49 9214 LONG -60-37-15 5725	N 4377254 87 E 501038 83	LAT 39-33-41 1959 1 CNG -40-37-13-0585
Presented Well		972.8	E 210190 1/3	2049 48431-12030

S ENGINEERING ENERGY



THIS DOCUMENT WAS PREPARED FOR AVIERO RESOURCES CORPORATION

PAD NALLEY
A WATER CONTAIN
LINCOLN DISTRICT
COUNTY, WEST VI COVER PAD



DATE: 12/18/2019 SCALE AS SHOWN SHEET 1 OF 29