

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

Thursday, April 28, 2022 WELL WORK PERMIT Horizontal 6A / New Drill

ANTERO RESOURCES CORPORATION 1615 WYNKOOP STREET DENVER, CO 80202

Re: Permit approval for ECKLEBERRY 1H 47-103-03492-00-00

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.

> Martin James A

Operator's Well Number: ECKLEBERRY 1H

Farm Name: JAMES ALLEN SELL

U.S. WELL NUMBER: 47-103-03492-00-00

Horizontal 6A New Drill

Date Issued: 4/28/2022

API	Number:

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-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.
- 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 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.

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, cessation 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. 47403 1 0 3 0 3 4 9 2

OPERATOR WELL NO. Eckleberry Unit 1H

Well Pad Name: Furbee Pad

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

1) Well Operator: Antero Reso	urces Corporal	494507062	013-Wetzel	Green /	Pine Grove 7.5'
		Operator ID	County	District	Quadrangle
2) Operator's Well Number: Eck	leberry Unit 1H	/ Well Pa	d Name: Furbe	ee Pad 🖊	
3) Farm Name/Surface Owner:	lames Allen Sel	Public Ro	ad Access: Fur	bee Ridge	Road [′]
4) Elevation, current ground:	240' Ele	evation, proposed	post-constructi	on: ~1212	
5) Well Type (a) Gas X Other	Oil	Und	lerground Stora	ge	
(b)If Gas Shal	low X zontal X	Deep			
6) Existing Pad: Yes or No No					
7) Proposed Target Formation(s), Marcellus Shale: 7000' TVD, Ar		행 (1.14명) 기계 기계 전 원하였어?	•		
8) Proposed Total Vertical Depth	: 7000' TVD	/			
9) Formation at Total Vertical De					
10) Proposed Total Measured De	pth: 7000' MD	1			
11) Proposed Horizontal Leg Ler	ngth: 0' *Open	to modification a	at a later date		
12) Approximate Fresh Water Str	rata Depths:	575' 🗸			
13) Method to Determine Fresh V	Water Depths: 4	7103308970000) 1		
14) Approximate Saltwater Depth	ns: 2284'				
15) Approximate Coal Seam Dep	oths: 973'				
16) Approximate Depth to Possib	ole Void (coal mi	ne, karst, other):	None Anticipa	ted	
17) Does Proposed well location directly overlying or adjacent to a		ns Yes	No	, x	RECEIVED Office of Oil and Gas
(a) If Yes, provide Mine Info:	Name:				MAR 2 8 2022
(-), p	Depth:				WV Department of Environmental Protection
	Seam:				
	Owner:				

WW-6B (04/15) API NO. 47- 103 OPERATOR WELL NO. Eckleberry Unit 1H
Well Pad Name: Furbee 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	79#	80	80	CTS, 77 Cu. Ft.
Fresh Water	13-3/8"	New	J/K-55	54.5#	625	625 ~	CTS, 651 Cu. Ft.
Coal	9-5/8"	New	J/K-55	36#	2500	2500	CTS, 1018 Cu. Ft.
Intermediate							
Production	5-1/2"	New	P-110CY	20#	7000	7000	CTS, 3857 Cu. Ft.
Tubing	2-3/8"	New	N-80	4.7#			
Liners							

Imst. L. Longolfs (3-31-22

TYPE	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	~1.18
Tubing	2-3/8"	4.778"	0.19"	11,200			
Liners							

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APR 04 2022

PACKERS

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

WW-6B (10/14)

API NO. 47- 103

OPERATOR WELL NO. Eckleberry Unit 1H

Well Pad Name: Furbee Pad

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

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

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

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

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

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

- 21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 30.09 acres
- 22) Area to be disturbed for well pad only, less access road (acres): 13.86 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.

API Number 47 - 103

Operator's Well No. Eckleberry Unit 1H

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) Fishing Creek	Quadrangle Pine Grove 7.5'
Do you anticipate using more than 5,000 bbls of water to	complete the proposed well work? Yes No No
If so, please describe anticipated pit waste:	it will be used at this site (Drilling and Flowback Fluids will be stored in tanks, Cuttings will be lanked and hauted 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 Waste	es:
Land Application	
	Permit Number *UIC Permit # will be provided on Form WR-34
	n WW-9 for disposal location) (Meadowfill Landfill Permit #SWF-1032-98) Northwestern Landfill Permit #SWF-1025/
Will closed loop system be used? If so describe: Yes, fil	WV0109410 Wetzel County (Permit #SWF-1021) uids stored in tanks, cuttings removed offsite and taken to landfill.
Drilling medium anticipated for this well (vertical and hor	Surface - Alr/Freshwater, lotermediate =
-If oil based, what type? Synthetic, petroleum, et	
Additives to be used in drilling medium? Please See Attac	
	noved offsite, etc. Drill cuttings stored in tanks, removed offsite and taken to landfill.
-If left in pit and plan to solidify what medium w	
Editorial of offsite marie perfine manifer.	wifill Landfill (Permit #SWF-1032-98), Northwestern Landfill (Permit #SWF-1025/WV0109410) el County (Permit #SWF-1021)
	and Gas of any load of drill cuttings or associated waste rejected at any vided within 24 hours of rejection and the permittee shall also disclose
on August 1, 2005, by the Office of Oil and Gas of the We provisions of the permit are enforceable by law. Violatic law or regulation can lead to enforcement action. I certify under penalty of law that I have person application form and all attachments thereto and that,	and conditions of the GENERAL WATER POLLUTION PERMIT issued est Virginia Department of Environmental Protection. I understand that the ons of any term or condition of the general permit and/or other applicable conally examined and am familiar with the information submitted on this based on my inquiry of those individuals immediately responsible for in is true, accurate, and complete. I am aware that there are significant ossibility of fine or imprisonment.
Company Official Signature Gretchen Kohler	RECEIVED Office of Oil and Gas
Company Official (Typed Name) Gretchen Kohler	MAJ 9 8 2022
Company Official Title Director of Environmental & Regula	atory Compliance MAR 2 8 2022
	WV Department of Environmental Protection
Subscribed and sworn before me this 24 day	of March , 2022
Diane Blai	Notary Public NOTARY PUBLIC
My commission expires 27	Apr 2024 STATE OF COLORADO NOTARY ID 19994011871 MY COMMISSION EXPIRE 528/90/2022

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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MAR 28 2022

WV 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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WV Department of Environmental Protection

Operator's Well No. Eckleberry Unit 1H

Proposed Revegetation Treatmen	nt: Acres Disturbed 30.09 ac	Prevegetation	pH	
Lime 2-4	_ Tons/acre or to correct to pH	6.5		
Fertilizer type Hay or s	traw or Wood Fiber (will be used to	where needed)		
Fertilizer amount 500	lb	s/acre		
Mulch 2-3	Tons/e			
Access Road "A" ((1.79 acres) + Access Road "B" (3.15 acres) + Well Pad (13.86 acres) + Excess/Topsoil Ma 30.09 Acres	aterial Stockpiles (11.29 acres) =	
	See	i Mixtures		
Тетр	orary	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	seed type (Furbee Pad Design)	See attached Table IV-4A for additi	onal seed type (Furbee Pad Design	
		to two of groon and requested by surface owner		
provided). If water from the pit vacreage, of the land application is	d proposed area for land applic will be land applied, include di area.	*or type of grass seed recention (unless engineered plans in mensions (L x W x D) of the pit,	cluding this info have been	
Attach: Maps(s) of road, location, pit and provided). If water from the pit vacreage, of the land application of the photocopied section of involved	d proposed area for land applic will be land applied, include di area. 7.5' topographic sheet.	ration (unless engineered plans in mensions (L x W x D) of the pit,	cluding this info have been	
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Furbee Unit 5H

(6)

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MAR 2 8 2022

WV Department of Environmental Protection



04/29/2022



911 Address 1615 Furbee Ridge Rd. Reader, WV 26167

Well Site Safety Plan Antero Resources

Well Name: Furbee Unit 5H, Eckleberry 1H-2H, Lenny 1H-2H, Reader 1H-2H

Pad Location: FURBEE PAD

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Wetzel County/Green District

APR 04 2022

GPS Coordinates:

WV Department of Environmental Protection

Entrance - Lat 39.554902"/Long -80.730989" (NAD83)

Pad Center - Lat 39.556880"/Long -80.731075(NAD83)

Driving Directions:

From Reader: Head northwest onto Border Lane toward Old Mexican Rd. for 16 ft. - sharp left onto CO Rd. 40/2 for 0.3 miles - turn left onto Brush Run Rd. for 466 ft. - turn left onto Furbee Ridge Rd. - access road will be on your left.

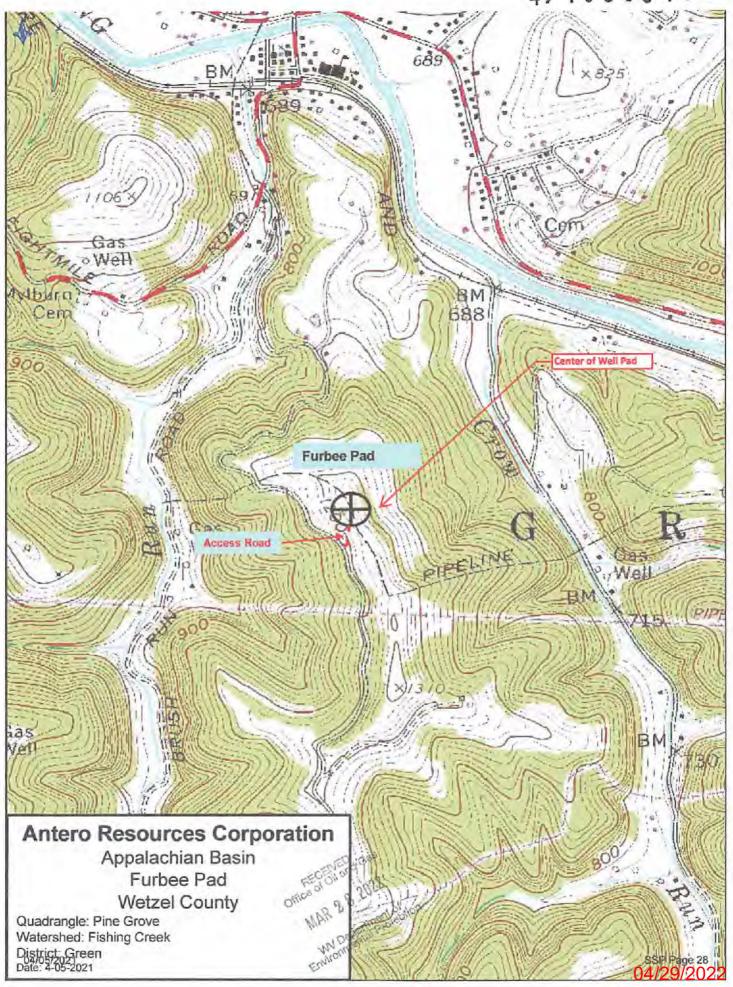
Alternate Route:

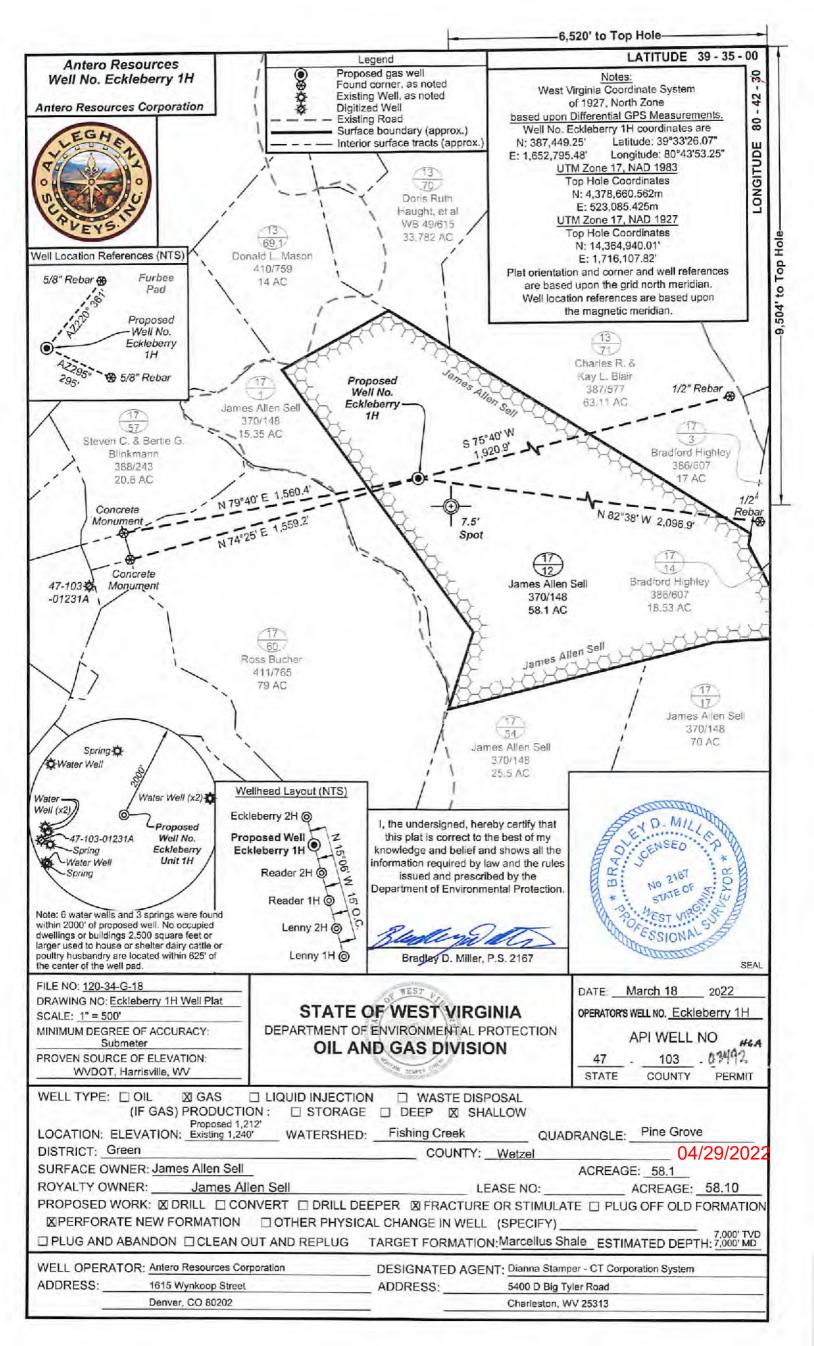
From New Martinsville: head West onto Virginia St. toward 3rd St/Energy Rd for 128 ft. - turn left at the first cross street onto WV-2 S/WV-7E/3rd St. for 0.5 miles - turn left onto WV-7E for 2.8 miles - turn right onto WV-20 for 9.6 miles - turn right onto CO Rd. 40/2 for 0.4 miles - turn left onto Furbee Ridge Rd. - access road will be on your left.

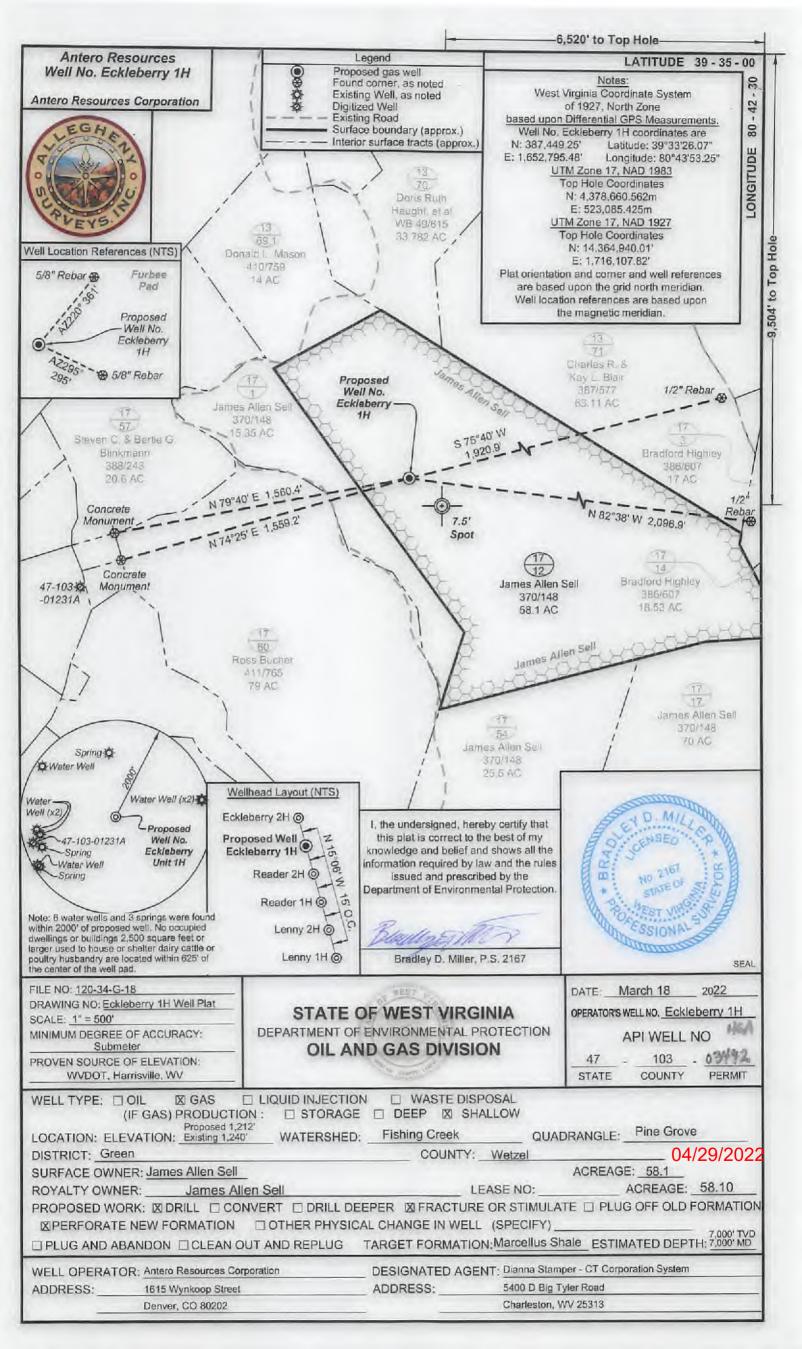
EMERGENCY (24 HOUR) CONTACT 1-800-878-1373

Lamel 2 Stoypolde 3-31-22

1







Operator's Well Number

Eckleberry Unit 1H

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

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

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

Grantor, lessor, etc.	Grantee, lessee, etc.	Royalty	Book/Page
James Allen Sell Lease			
James Allen Sell	Antero Resources Corporation	1/8+	258A/0467

*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.

RECEIVED Office of Oil and Gas

MAR 28 2022

WV Department of Environmental Protection

WW-6A	1
(5/13)	

Operator's Well No.	Eckleberry Unit 1H
Operator b eme.	

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

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- (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:

	James Allen Sell	Antero Resources Corporation	1/8+	258A/0467
James Allen Sell Lease				
Lease Name or Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page

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 CEIVED Office of Oil and Gas

Well Operator:	Antero Resou	rces, Corporation	MAR 2 8 2022
By:	Tim Rady	Tools	
Its:	VP of Land		WV Department of Environmental Protection

Page 1 of _____

^{*}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.



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

March 8, 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:

Furbee Pad, Eckleberry Unit 1H and 2H

Quadrangle: Pine Grove 7.5'

Wetzel County/Green District, West Virginia

Mr. Martin:

Antero Resources Corporation (Antero) is submitting the following application for a new well work permits for the Eckleberry 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 Eckleberry Unit 1H & 2H horizontal laterals will drill through including any and all roads crossed under as identified on the attached survey plat.

Sincerely,

Kelsey Silipo Senior Landman

> RECEIVED Office of Oil and Gas

MAR 2 8 2022

WV Department of Environmental Protection Date of Notice Certification: 03/23/2022

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

ADI No. 47- 103

			Operator's	Well No. Eckle	berry Unit 1H
			_	Name: Furbee	
	ne provisions in West Virginia Code	§ 22-6A, the Operator has prov	vided the rec	quired parties v	vith the Notice Forms listed
	tract of land as follows:		Post :	500005	
State:	West Virginia Wetzel	UTM NAD 83	Easting:	523085m	
County: District:			Northing:	4378660m	
	Green	Public Road Acc		Furbee Ridge Rd	
Quadrangle: Watershed:	Pine Grove 7.5' Fishing Creek	Generally used fa	rm name:	James Allen Sell	
prescribed by it has provide information re of giving the requirements Virginia Code	West Virginia Code § 22-6A-7(b), the secretary, shall be verified and seed the owners of the surface descriequired by subsections (b) and (c), surface owner notice of entry to so of subsection (b), section sixteen on § 22-6A-11(b), the applicant shall have been completed by the applicant	shall contain the following info bed in subdivisions (1), (2) a ection sixteen of this article; (ii urvey pursuant to subsection (of this article were waived in tender proof of and certify to the	rmation: (14 nd (4), subs) that the re a), section a writing by	 A certification section (b), section quirement was ten of this artithe surface ov 	on from the operator that (introduction ten of this article, the deemed satisfied as a result cle six-a; or (iii) the notice when; and Pursuant to Wes
	West Virginia Code § 22-6A, the Orrator has properly served the require		nis Notice C	ertification	OOG OFFICE USE
*PLEASE CHE	ECK ALL THAT APPLY				ONLY
☐ 1. NO	TICE OF SEISMIC ACTIVITY or	NOTICE NOT REQUIR SEISMIC ACTIVITY WAS			RECEIVED/ NOT REQUIRED
☐ 2. NO	TICE OF ENTRY FOR PLAT SUR	VEY or 🔳 NO PLAT SURVI	EY WAS CO	ONDUCTED	☐ RECEIVED
■ 3. NO	TICE OF INTENT TO DRILL or	☐ NOTICE NOT REQUIR NOTICE OF ENTRY FOR F WAS CONDUCTED or			□ RECEIVED/ NOT REQUIRED
		☐ WRITTEN WAIVER IF (PLEASE ATTACH)	BY SURFA	CE OWNER	
■ 4. NOT	TICE OF PLANNED OPERATION				☐ RECEIVED
■ 5. PUB	BLIC NOTICE		RECE! Office of Ci	MED I and Gas	RECEIVED
■ 6. NOT	TICE OF APPLICATION		MAR 2	8 2022	☐ RECEIVED
			WV Depa Environment	at Protection	

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.

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

By: Diana Hoff Diana O Hoff

Its: Senior VP of Operations

Senior VP of Operations

Telephone: 303-357-7310

Address: 1615 Wynkoop Street

Denver, CO 80202 Facsimile: 303-357-7315

Email: mstanton@anteroresources.com

DIANY BEARFAL NOTARY PUBLIC STATE OF COLORADO NOTARY ID 19994011871 MY COMMISSION EXPIRES 27-Apr-2024 Subscribed and sworn before me this 24 day of Mou 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.

RECEIVEL Office of Oil and Gas

MAR 2 8 2022

WV Dependent of Environmental Profession. WW-6A (9-13) API NO. 47- 103 OPERATOR WELL NO. Eckleberry Unit 1H
Well Pad Name: Furbee 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 than the filing date of permit application. Date of Notice: 03/24/2022 Date Permit Application Filed: 03/24/2022 Notice of: PERMIT FOR ANY ☐ CERTIFICATE OF APPROVAL FOR THE WELL WORK CONSTRUCTION OF AN IMPOUNDMENT OR PIT Delivery method pursuant to West Virginia Code § 22-6A-10(b) REGISTERED METHOD OF DELIVERY THAT REQUIRES A PERSONAL SERVICE RECEIPT OR SIGNATURE CONFIRMATION Pursuant to W. Va. Code § 22-6A-10(b) no later than the filing date of the application, the applicant for a permit for any well work or for a certificate of approval for the construction of an impoundment or pit as required by this article shall deliver, by personal service or by registered mail or by any method of delivery that requires a receipt or signature confirmation, copies of the application, the erosion and sediment control plan required by section seven of this article, and the well plat to each of the following persons: (1) The owners of record of the surface of the tract on which the well is or is proposed to be located; (2) The owners of record of the surface tract or tracts overlying the oil and gas leasehold being developed by the proposed well work, if the surface tract is to be used for roads or other land disturbance as described in the erosion and sediment control plan submitted pursuant to subsection (c), section seven of this article; (3) The coal owner, operator or lessee, in the event the tract of land on which the well proposed to be drilled is located [sic] is known to be underlain by one or more coal seams; (4) The owners of record of the surface tract or tracts overlying the oil and gas leasehold being developed by the proposed well work, if the surface tract is to be used for the placement, construction, enlargement, alteration, repair, removal or abandonment of any impoundment or pit as described in section nine of this article; (5) Any surface owner or water purveyor who is known to the applicant to have a water well, spring or water supply source located within one thousand five hundred feet of the center of the well pad which is used to provide water for consumption by humans or domestic animals; and (6) The operator of any natural gas storage field within which the proposed well work activity is to take place. (c)(1) If more than three tenants in common or other co-owners of interests described in subsection (b) of this section hold interests in the lands, the applicant may serve the documents required upon the person described in the records of the sheriff required to be maintained pursuant to section eight, article one, chapter eleven-a of this code. (2) Notwithstanding any provision of this article to the contrary, notice to a lien holder is not notice to a landowner, unless the lien holder is the landowner. W. Va. Code R. § 35-8-5.7.a requires, in part, that the operator shall also provide the Well Site Safety Plan ("WSSP") 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. ☑ Application Notice ☑ WSSP Notice ☑ E&S Plan Notice ☑ Well Plat Notice is hereby provided to: ☑ SURFACE OWNER(s) ☐ COAL OWNER OR LESSEE Name: NO DECLARATIONS ON RECORD WITH COUNTY Name: James Allen Sell Address: 11024 Shortline Highway Address: Reader, WV 26167-8596 Name: □ COAL OPERATOR Name: NO DECLARATIONS ON RECORD WITH COUNTY Address: Address: SURFACE OWNER(s) (Road and/or Other Disturbance) Name: James Allen Sell ☑ WATER PURVEYOR(s)/OWNER(s) OF WATER WELL, Address: 11024 Shortline Highway SPRING OR OTHER WATER SUPPLY SOURCE Reader, WV 26167-8596 Name: PLEASE SEE ATTACHMENT Name: Address: Address: OPERATOR OF ANY NATURAL GAS STORAGE FIELDED
Office of Oil and Gas □ SURFACE OWNER(s) (Impoundments or Pits) Name: Name: Address: MAR 2 8 2022 Address: *Please attach additional forms if necessary WV Department of Environmental Profession WV Department of

API NO. 4/4 73 1 0 3 0 3 4 9 2 OPERATOR WELL NO. Eckleberry Unit 1H Well Pad Name: Furbor 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. Vu. 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-eas/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 rescryoir, 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. 44 163 1 0 3 0 3 4 9 2 OPERATOR WELL NO. Eckleberry Unit 1H

Well Pad Name: Furbee 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 comments as to the location or construction of the applicant's proposed well work to the Secretary at:

Office of Oil and Gas

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

MAR 2 8 2022

WV 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) PINO. 47-107 10 3 0 3 4 9 2

OPERATOR WELL NO. Eckleberry Unit 1H
Well Pad Name: Furbee 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.

Office of Oil and Gas

WV Papariment of Environmental Fig. sction WW-6A (8-13)

OPERATOR WELL NO. Eckleberry Unit 1H Well Pad Name: Furbee Pad

Notice is hereby given by:

Well Operator: Antero Resources Corporation

Telephone:

Email:

(303) 357-7310

Diana 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.

DIANE BLAIR NOTARY PUBLIC STATE OF COLORADO NOTARY ID 19994011871 MY COMMISSION EXPIRES 27-Apr-2024 Subscribed and sworn before me this 24 day of Mar, 2022.

Notary Public

My Commission Expires

27 Apr 2024

Office of Oil and Gas MAR 28 2022 WW Department of Environmental Projection

WW-6A Notice of Application Attachment (Furbee Pad Wells):

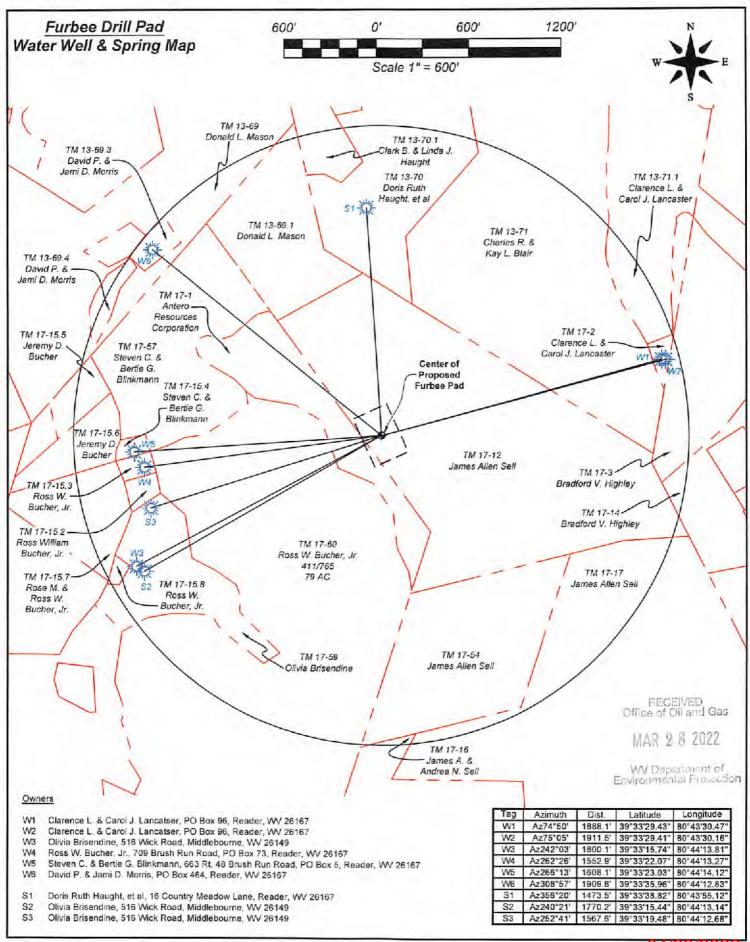
SPRING WATER SOURCE OWNER(s): Within 1500'

TM 13-70

1 Spring Well: 1473.5' (S1)

Owner: Doris Ruth Haught, et al
Address: 16 Country Meadow Lane

Reader, WV 26167-1500



WW-6A4 (1/12) Operator Well No. Eckleberry Unit H 2

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		at least TEN (10) days prior to filing a ermit Application Filed: 03/24/2022	permit application.	
Delivery met	hod pursuant to West Virginia Code	§ 22-6A-16(b)		
☐ HAND	■ CERTIFIED MAIL			
DELIVE		EOUESTED		
receipt request drilling a hor of this subsect subsection mand if availab Notice is he Name: Jame Address: 1102	V. Va. Code § 22-6A-16(b), at least ten of sted or hand delivery, give the surface or izontal well: <i>Provided</i> , That notice give tion as of the date the notice was provided by the surface of the facsimile number and electronic mails reby provided to the SURFACE Of the Sallen Sell As Shortline Highway der, WV 26167-8596	when notice of its intent to enter upon the pursuant to subsection (a), section teled to the surface owner: <i>Provided</i> , how when. The notice, if required, shall included address of the operator and the operator www.	ne surface owner's land for the n of this article satisfies the rever. That the notice requires ude the name, address, teleph	ne purpose of requirements ments of this none number,
SETTLEF TREET EAT.				
Pursuant to V he surface ov	reby given: Vest Virginia Code § 22-6A-16(b), notice wner's land for the purpose of drilling a West Virginia	horizontal well on the tract of land as fo		o enter upon
Pursuant to V he surface ov State: County:	Vest Virginia Code § 22-6A-16(b), notice when's land for the purpose of drilling a	horizontal well on the tract of land as fo UTM NAD 83 Easting: Northing:	llows:	o enter upon
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Pursuant to V he surface ov State: County: District: Quadrangle: Watershed: This Notice Pursuant to V facsimile nur related to hor ocated at 601	Vest Virginia Code § 22-6A-16(b), notice wher's land for the purpose of drilling a West Virginia Wetzel Green Pine Grove 7.5' Fishing Creek Shall Include: West Virginia Code § 22-6A-16(b), the mober and electronic mail address of the rizontal drilling may be obtained from the 157th Street, SE, Charleston, WV 25304	horizontal well on the tract of land as fo UTM NAD 83 Easting: Northing: Public Road Access: Generally used farm name: is notice shall include the name, addre operator and the operator's authorize the Secretary, at the WV Department of	Illows: 523085m 4378660m Furbee Ridge Rd James Allen Sell ess, telephone number, and ad representative. Additional f Environmental Protection h	if available, information neadquarters,
Pursuant to V he surface ov State: County: District: Quadrangle: Watershed: This Notice Pursuant to V facsimile nur related to hor ocated at 601 Notice is he	Vest Virginia Code § 22-6A-16(b), notice vener's land for the purpose of drilling a least virginia west Virginia wetzel Green Pine Grove 7.5' Fishing Creek Shall Include: West Virginia Code § 22-6A-16(b), the modern and electronic mail address of the rizontal drilling may be obtained from the state of the control of the state of the control of the state of the control of the state of the	horizontal well on the tract of land as fo UTM NAD 83 Easting: Northing: Public Road Access: Generally used farm name: is notice shall include the name, addre operator and the operator's authorize the Secretary, at the WV Department of (304-926-0450) or by visiting www.de	Illows: 523085m 4378660m Furbee Ridge Rd James Allen Sell ess, telephone number, and ad representative. Additional f Environmental Protection h	if available, information neadquarters,
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Pursuant to V the surface ov State: County: District: Quadrangle: Watershed: Fhis Notice Pursuant to V facsimile nur related to hor ocated at 601 Notice is he Well Operato	Vest Virginia Code § 22-6A-16(b), notice wher's land for the purpose of drilling a West Virginia Wetzel Green Pine Grove 7.5' Fishing Creek Shall Include: West Virginia Code § 22-6A-16(b), the mber and electronic mail address of the fizontal drilling may be obtained from the state of the	horizontal well on the tract of land as fo UTM NAD 83 Easting: Northing: Public Road Access: Generally used farm name: is notice shall include the name, addre operator and the operator's authorize he Secretary, at the WV Department of (304-926-0450) or by visiting www.de	Illows: 523085m 4378660m Furbee Ridge Rd James Allen Sell ess, telephone number, and ed representative. Additional f Environmental Protection hp.wv.gov/oil-and-gas/pages/c	if available, information neadquarters, default.aspx.
Pursuant to V the surface ov State: County: District: Quadrangle: Watershed: Fhis Notice Pursuant to V facsimile nur related to hor ocated at 601 Notice is he Well Operato	Vest Virginia Code § 22-6A-16(b), notice wher's land for the purpose of drilling a West Virginia Wetzel Green Pine Grove 7.5' Fishing Creek Shall Include: West Virginia Code § 22-6A-16(b), the modern and electronic mail address of the rizontal drilling may be obtained from the state of	horizontal well on the tract of land as fo UTM NAD 83 Easting: Northing: Public Road Access: Generally used farm name: is notice shall include the name, addre operator and the operator's authorize he Secretary, at the WV Department of (304-926-0450) or by visiting www.de	Illows: 523085m 4378660m Furbee Ridge Rd James Allen Sell ess, telephone number, and ed representative. Additional f Environmental Protection hp.wv.gov/oil-and-gas/pages/c	if available, information neadquarters, default.aspx.
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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.

WW-6A5 (1/12) Operator Well No. Eckleberry Unit 1H

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

Notice Time Date of Not	e Requirement: notice sh ice:		later than the filing oplication Filed:	date of permit	application.
Delivery mo	ethod pursuant to West	Virginia Code § 2	22-6A-16(c)		
■ CERT	IFIED MAIL		HAND		
The second	RN RECEIPT REQUEST	TED	DELIVERY		
return receip the planned required to be drilling of a damages to	or requested or hand delive operation. The notice re- provided by subsection horizontal well; and (3) the surface affected by oil	ery, give the surfa equired by this su (b), section ten of A proposed surfa and gas operation	ce owner whose land absection shall inclu- of this article to a surface use and compens as to the extent the da	I will be used for de: (1) A copy ace owner who sation agreement amages are com	ication, an operator shall, by certified mail for the drilling of a horizontal well notice of of this code section; (2) The information se land will be used in conjunction with the nt containing an offer of compensation for apensable under article six-b of this chapter, isted in the records of the sheriff at the time
(at the addre	reby provided to the SU ss listed in the records of les Allen Sell				
Address: 110	24 Shortline Highway		Address	5:	
Re	ader, WV 26167-8596				
	the surface owner's land West Virginia Wetzel Green			l well on the tra Easting: Northing:	523085m
Quadrangle:	Pine Grove 7.5'		Generally use	ed farm name:	James Allen Sell
Watershed:	Fishing Creek				
Pursuant to to be provide horizontal wasurface affectinformation	led by W. Va. Code § 2 rell; and (3) A proposed s reted by oil and gas opera related to horizontal dril s, located at 601 57 th Str	22-6A-10(b) to a surface use and co tions to the exten ling may be obta	surface owner whose impensation agreeme t the damages are co ined from the Secret	e land will be nt containing a compensable und ary, at the WV	code section; (2) The information required used in conjunction with the drilling of a n offer of compensation for damages to the der article six-b of this chapter. Additional Department of Environmental Protection or by visiting www.dep.wv.gov/oil-and-department
Well Operat	Or: Antero Resources Corporation	NO.	Address:	1615 W Ch-	
Telephone:	(303) 357-7310	a.	- iddiess.	1615 Wynkoop Stre Denver, CO 80202	
Email:	mstanton@anterorescurces.c	com	Facsimile:	303-357-7315	
Oil and Gas				-	

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.

MAR 2 8 2022

WV Department of Environmental Procession WW-6AW (1-12)

API NO. 47- 103 -	
OPERATOR WELL NO.	Eckleberry Unit 1H
Well Pad Name: Furbee 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

provisions lis WW-6A and required, and	, hereby state that I have read that I have read that I have received copies of a Nattachments consisting of pages one (1) through the well plat, all for proposed well work on the transfer.	Notice of Applic	ation, an Appointment of the control	plication for a Well Work Permit on Form the erosion and sediment control plan, if
State:	West Virginia	UTM NAD 83 Easting: Northing: Public Road Access:		523085m
County: District:	Wetzel			4378660m Furbee Ridge Rd.
Quadrangle:		Generally used		
Watershed:	Fishing Creek	Generally used	laim hame.	Janus Patri Deli
*Please check	k the box that applies	FO	R EXECUT	ION BY A NATURAL PERSON
□ SURFA	CE OWNER	Si.	maturat	
□ SURFAC	CE OWNER (Road and/or Other Disturbance	Pri	nt Name:	
☐ SURFAC	CE OWNER (Impoundments/Pits)		7	207266.000.0000
□ COAL C	OWNER OR LESSEE			ION BY A CORPORATION, ETC.
□ COAL C	PERATOR	By Its:		RECEIVED Office of Oil and Gas
□ WATER	PURVEYOR	Sig	nature:	MAR 2 8 2022
□ OPERA	TOR OF ANY NATURAL GAS STORAGE	D		V// 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.

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

	Additive	Chemical Abstract Service Number (CAS #)
1.	Fresh Water	7732-18-5
2.	2 Phosphobutane 1,2,4 tricarboxylic acid	37971-36-1
3.	Ammonium Persulfate	7727-54-0
4.	Anionic copolymer	Proprietary
5.	Anionic polymer	Proprietary
6.	BTEX Free Hydrotreated Heavy Naphtha	64742-48-9
7.	Cellulase enzyme	(Proprietary)
8.	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 Hydrotreated light distillates, non-aromatic, BTEX free	7647-01-0 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
30.	Suspending agent (solid)	14808-60-7
	Tar bases, quinolone derivs, benzyl chloride-quarternized	72480-70-7
32.	Solvent Naptha, petroleum, heavy aliph	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
	Hexamethylene diamine penta	23605-74-5
39.	2-Propenoic acid, polymer with 2 propenamide	9003-06-9
40.	Hexamethylene diamine penta (methylene phosphonic ac	cid) 23605-74-5
	Diethylene Glycol	111-46-6
	Methenamine	100-97-0
	Polyethylene polyamine	68603-67-8
	Coco amine	61791-14-8
45.	2-Propyn-1-olcompound with methyloxirane	38172-91-7



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

February 18, 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 Furbee Pad, Wetzel County

Eckleberry Unit 1H Well Site

Dear Mr. Martin,

D. Alan Reed, P.E. State Highway Engineer

This well site will be accessed from DOH permits #06-2012-0012 & 0013 which have been issued to Antero Resources for access to the State Road for a well site located off Wetzel County Route 50 SLS MP 0.80 & MP 1.10.

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.

Dary K. Clayton

Regional Maintenance Engineer Central Office O&G Coordinator

Cc: Diane Blair

Antero Resources CH, OM, D-6

File

RECEIVED Office of Oil and Gas

MAR 28 2022

WV Department of Environmental Protection

FURBEE WELL PAD & WATER CONTAINMENT PAD SITE DESIGN & CONSTRUCTION PLAN, **EROSION & SEDIMENT CONTROL PLANS**

GREEN DISTRICT, WETZEL COUNTY, WV LITTLE MUSRINGUM-MIDDLE ISLAND WATERSHED

PORTER FALLS & PINE GROVE USGS 7.5 QUAD MAP(S)

APPROVED WVDEP OOG 4/13/2022

CENTROLD OF PAH LATITUDE 09.558890 LONGITUDE: -00.731075 [NAD AND LATITUDE 09.558780 LONGITUDE: -00.731054 [NAD 27] N 4378941.85 E 5-23103.00 [UTM ZONE IT METERS]

CENTER OF TANA
LATTICE 3856160 LONGITUDE: -80.730417 (NAD 83)
LATTICE 3856160 LONGITUDE: -80.730417 (NAD 83)
N 4078501.91 E AZU59.00 [UTM ZONE 17 WETERS)

LOCATION COORDINATES:
ACCESS ROAD A TATMENCE
LATTUUE 30.56490E ROMGITUDE -80.750949 (NAD 80)
LATTUUE 30.56490E ROMGITUDE -80.751188 (NAD 87)
H 378890215 E 5231111 (URL 2000E 17 METERS)

ACCESS ROAD 'B' ENTRANCE LATTITUE 33.567532 LANGITUDE -85.734357 (NAD 85) LATTITUE 39.567452 LANGITUDE -80.734465 (RAD 27) N 837636319 I 562826.91 (UTM ZONS IT METRIC)

GENERAL DESCRIPTION:
THE ACCESS ROADS), AND WELL PAD ARE BEING CONSTRUCTED TO AID IN THE DEVELOPMENT OF REVISIONAL MARKELINE SHALE GRS WELLS:

MISS UTILITY STATEMENT.

ANTER RESOURCES CORPORATION WILL NOTEY MISS EITHIT OF WEST VIRGINIA FOR THE LUCATING OF
URITURE FROM TO THEIR FRANCE DECIDIN, THICKET PROSMBARGES. IN ADMITTANT WISS UTILITY WILL HE
CONTACTED BY THE CONTRACTOR PRIDE TO THE STATE OF CONSTRUCTION FOR THEE PROMICE.

ENTRANCE PERMIT.

ANTHEO RESULES COMPUNED WILL OUTLIN AN INCREMENTARY PERMIT (FORM AM-100) FROM THE WEST VIRGINA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS, PRIOR TO COMMENCEMENT OF CONSTITUTION AUTHYRITS.

FLOODPLAIN NOTES:
THE PROPERTY SITE IS LOCATED WITHIN FEMA FLOOD ZONE X PER FEMA FLOOD MAP #5410000160C.

GEOTECHNICAL NOTES:

A SUBSURACE DIVERTISATION OF THE PROPOSED SITE WAS PERFORMED BY PERMISTANAIA SOIL &
BOCK, NO. BETTERN NOVAMBER ON A NOVEMBER IN, 2014. THE REPORT REPURSO BY
BOCK, NO. BETTERN NOVAMBER ON A NOVEMBER IN, 2014. THE REPORT OF THE PROPOSED BY
THE RESULTS OF THE SUBSURFACE INVESTIGATION. THE REPORTATION AND RECOMMEDIATION
CONTAINED IN THIS REPORT NEED USED IN THE PREPARATION OF THESE PLASS. PLASSE REFER TO
THE SILES, REPAIR INVESTIGATION REPORT TO YER PLANS PLASSE REFER TO
THE SILES, REPAIR INVESTIGATION REPORT TO YER PLANS AS PLASSE REFER TO
THE SILES, REPAIR INVESTIGATION REPORT TO YER PROPERTY.

ENVIRONMENTAL NOTES:
TYPEM OR VETLAG DETERATIONS WERE PERFORMED IN SEPTEMBER, 2010 BY ENVIRONMENTAL
SOLUTIONS & INSOLUTIONS, INC., TO SEVEN THE SITE FOR WATERS AND VETLANDS THAT ARE SOUT
SOLUTIONS & INSOLUTIONS, INC., TO SEVEN THE SITE FOR WATERS AND VETLANDS THAT ARE SOUT
INC. TO SEVEN SOLUTIONS OF THE SITE OF THE SET OF THE SE

PROJECT CONTACTS:
OPERATOR:
ANTIFO RESOURCES CORPORATION
SOS WHITE GASS HAVE
BRIDGEPORT, WY 20130 PHONE: (304) 842-4109 FAX: (304) 842-4102

ELI WAGUNER — ENVERONMENTAL ENGINEER R NEGULATORY MENAGER OFFICE (DOM) 842-4068 CELL (304) 478-9770

DIANA NOFF - SVP OFERADONS OFFICE [303] 357-6904

AANON KUNZLER - CONSTRUCTION MANAGER (304) 842-4191

ROBERT EDDY - UTILITY COCRDONATOR CELL. (304) 719-5199

DAVID PATSY - LAND AGENT

ENGINEER/SURVEYOR.
NAVITUS ENGINEERING, INC.
CUBUS B. KUNF, PE = FROJECT
MANAGER/ENGINEER

OFFICE (888) 662-4185 CELL: (540) 886-8747

ENVIRONMENTAL: ENVIRONMENTAL SOLUTIONS A INNOVATIONS, INC. VALSEC CLARKSTOP — ECOLUCIST OFFICE: (304) 760-5803 CELL: (513) 382-0925

ROURT VENS - DESIGN MANAGER
OFFICE (304) 642-4100 CELL (304) 622-7400 FERNITWARE SOIL A ROCK, INC.
CHOSTOPHER N. SAMIOS - PROVET EMGINEER
OFFICE (412) 272-4000 CELL (412) 562-0983

RESTRICTIONS NOTES:

1 THERE REP NO FREENMAL STREAMS, LAKER POINS, OR RESERVOIRS WITHIN 100 FREST OF
THE WILL PAD AND LOU. THERE IS A WETLAND DEFACT HAT VILL NEED TO BE
PERMITTED BY THE APPROPERATE ACENCIES THERE IS A WETLAND ADMACKY TO THE
PROPOSED ACCESS FROM 5° & STOCKPIES THERE IS A WETLAND ADMACKY TO THE
PROPOSED ACCESS FROM 5° & STOCKPIES THERE IS A WETLAND ADMACKY TO THE

- 2. THERE ARE NO NATURALLY PRODUCING TROUT STREAMS WITHIN 300 FEET OF THE WELL PAD AND LOD.
- 3 THERE ARE NO CROUNDWATER INTAKE OR PUBLIC WATER SUPPLY PACELITIES WITHIN 1000. FEET UP THE WELL PAD AND LOD.
- 4. THERE ARE NO APPARENT EDSTING WATER WELLS OR DEVELOPED SPRINGS WITHIN 250 FEST OF THE WELLS) BEING DIGILIES.
- THERE ARE NO OCCUPIED DWELLING STRUCTURES WITHIN 625 PEET OF THE CENTER OF THE WELL PAD
- THERE ARE NO ACRECULTURAL BUILDINGS LARGER THAN 2,500 SQUARE FEET WITHIN ECE FEET OF THE CENTER OF THE WELL PAID.

WELL PAD/ WATER CONTAINMENT PAD PLINE WAYDA - I "B" ENTRANCE "A" ENTRANCE (4)

SCALE: 1

WEST VIRGINIA COUNTY MAP



(NOT TO SUALE)

DESIGN CERTIFICATION.
THE DRAWNES, CONSTRUCTION NOTES, AND
REFERENCE MAGRAMS ATTACHED HERETO HAVE
BEEN PREPARED IN ACCORDANCE WITH THE
WEST VIRGINAL CODE OF STALE MILES, DIVISION
OF ENVIRONMENTAL PROTECTION OFFICE OF OIL
AND LAS CES 35-8

REPRODUCTION NOTE

THESE FLANS WERE CREATED TO HE PLOTTED ON 22"334" (ANSI 0) PAPER HALF STALE DRAWINGS ARE ON 11"ELF" (ANSI 0) PAPER

THESE PLANT MENE CREATED PUR COLOR PLOTTING AND ANY ROBLICTIONS IN CRAY SCAPE OR COLOR MAY MESOT IN A LOSS HMATION AND SHOULD NOT BE USED FOR CONSTRUCTION FURN

WVDOIL COUNTY ROAD MAP



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

- 1 COVER SHEET
- 2 CONSTRUCTION AND THE CONTROLS NOTES
- 4 MATERIAL QUANTITIES
- 5 STORY BRAINAGE & EAS COMPUTATIONS

WEST VIRGINIA STATE I NOICH ZONE, NACHO ELEXATON BASED ON N ESTABLISHED BY SURVE POST - PROCESSING

- H-W ACCESS ROAD, WELL PAD & WATER CONTAINMENT PAD PLAN
- 10 WELL PAD & WATER CONTAINMENT PAD GRADING PLAN
- 12 ACCESS ROAD SECTIONS
- 15-16 WELL PAR & WATER CONTAINMENT PAR SECTIONS.
- 16 STOCKPILE AREA SECTIONS

25-26 - ACCESS ROAD WELL PAD & WATER CONTAINMENT PAD RECLAMATION PLAN GESOC-GESON - GEOTECHNICAL BETAILS

FURBRE LIMITS OF DISTURBANCE AS	SEA (AC)
Total Site	-
Acazisa Road "A"	1.79
Access Road "B"	3.15
WetPad & Water Containment Pad	13.86
Excess/Topsoil Material Stockpiles	11.2
Total Affected Area	30.0
Total Wooded Acres Disturbed	26.84
Impacts in Armyo Resources Corp. 1	M174
Access Road "A"	1.79
Accures Road "B"	3.11
Well Pad & Water Comainment Pad	3.64
Excess/Topsoil Material Stockpiles	0.57
Total Affected Area	9.11
Total Wooded Aores Disturbed	8.50
Impacts to Antero Resources Corp. T	M17-12
Access Read "E"	0.04
Well Pad & Water Containment Pad	10.23
Excess/Topsoil Material Stockpiles	10.7
Total Affected Area	20.9
Total Wooded Acres Disturbed	15.2

FURBLE WETLAND MPACT (SQUAKE FEET)				
Welland and Impact Cause	PH(SF)	Total Impact (SF)	Total Impact	
Wetland 02 (Stockpin "A")	137	137	0.00	
Welland 03 (Well Pad & Water Cortainment Pad)	1,869	1.669	0.04	

FURBEL EPHEWERA	STREAM	MPACT (LINEAR	FEET)	
	Permi	nent impacts	Temp. Impacts	Total impact
Streem and Impact Cause			Cofferdam/ EAS Controls (LF)	(LF)
Speam 12 (Will Plag & Water Containment Pad)	33	0	15	48

Vant Marrie	WW/Harth NAC 27	HAD TI Lat & Long	ZONE 17	NAD AT Let & Long
		20 miles	sel Location	THE RESERVE
Eckteberry.	N 287483.73	(A) #-332625D	N KEZYMENN IN	LAT N. 23 JR FORD
UNIT 2H	E 1052791 57	1010 4043432964	E SZOOM 16	LCNO-80-43-52 6555
Eckleberry	14 381449 25	LAT 39-33-25 3677	N 4379900 NI	LAT SEEDING SIGH
UNIT 1H	E 1052196 48	LONG 40-13-63 2460	E 523065.43	LONG -80-43-82 8091
Reader	4 201416.77	CAT 30-33-25-9251	N 4578658.17	LAT 36-33-25 2136
UNIT 2H	T 1002799.38	LCHG 40.4363 1638	E STOOMS 69	LONG 6043-57,5608
Reater	N 397430.39	LAT 99-53-25-7825	N 4376001.78	LAT 36-33-35 CT12
UNIX 1H	E 1017500 10	FOND 40-13-62 (41)	E 523087.05	LONG -80-45-52 HIRL
Lenne	14 387405 68	LAT SE SE SECO	FL 437 (8642" 38	FV 1 SH 33-32 (TIME)
USAT 254	E MISSIOF 20	1,010 40-4545 old?	E 520094 22	LONG 40-43-62-4401
Lanny	5-3673V1-32	NESS PLANTER TAX	N 4378942.10	LAT 89-10-29 7800
UNIT 1H	£ 198,391 Ft	LOVG -80-43-63 (2003)	E \$23000.48	LCNG 404941 W04
Warmer	N 367225 65	LAT 30-33-23 9812	Pi 4279001.20	UAT 36 93-34 1639
UNIT TH	E 1052104 21	LCNG 4043-51 9405	E 623116.63	LONG -60-45-51.3037
Viewer	N 387316 84	LAT 16-33-23 7957	pi 437mmm TC	EAST RE-DE-DE-TAIL
UNIT 2H	E 1603933 46	LONG-80-49-61 8285	£ 623116 51	UONG -80-49-41 1890
Gauss	N 567203.82	CAT 30-53-23 6502	Pt 4379598.54	LAT 35-33-23 3389
UNIT 1H	H 1007512 FD	LONG 4043-51 TOM	E 523122 39	LONG-40-45-51 0635
Davis	N 387191 21	LAT 39-31-23 1947	N-4379902 59	1 AT 26-T3-23 1234
UNIT 2H	E 1852921 64	1096-6645-01 5091	E 573175 79	LOTE - 40-40-40 MIT
Malcar	N 367179.39	LAT 39-33-23 4101	Pri 4379679.04	LAT 36-33-21.7019
UNITER	E 1002931.18	LONG-60-43-51 4003	E \$23128 54	UDAG-80-63-80.8035
Haker	N 387 107,58	LAT 30-81-21 1030	84 412 PRESTS 419	LAT 20-33-75 NGT1
UNIT 2H	E 155,7942 KJ	LCNG -80-43-84 5852	E 523131.01	LONG-80-40-90 700+
Furties	N 367278.79	LAT 39-33-24 2988	N 4378905.00	LAT 25-23-24 59.71
UNIT SH	E THE THE DE	LONG-80-43-53 0541	E 523075 84	LONG-86-63-53 3114
reposed Well I	Ped Elevation	1,202.0		•

S EE RING ENGINE



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PAD CONTAINMENT FURBEE COVER

WATERC 3 WELL PAD



DATE: 06/23/2020 SCALE AS SHOWN SHEET ! OF 25

