

west virginia department of environmental protection

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

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

Monday, August 23, 2021 WELL WORK PERMIT Horizontal 6A / New Drill

ANTERO RESOURCES CORPORATION 1615 WYNKOOP STREET DENVER, CO 80202

Re: Permit approval for DAAGS UNIT 1H

47-103-03425-00-00

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.

Operator's Well Number: DAAGS UNIT 1H

Farm Name: DALLISON LUMBER, INC.

U.S. WELL NUMBER: 47-103-03425-00-00

Horizontal 6A New Drill Date Issued: 8/23/2021

API Number:	•
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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

- 1. 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:	

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.

WW-6B (04/15) PI NO. 47-103
OPERATOR WELL NO. Daags Unit 1H
Well Pad Name: Dogwood 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 103-Wetzel Green Pine Grove 7.5'
1) Well Operator: Americ Resol	Operator ID County District Quadrangle
	, ,
2) Operator's Well Number: Daa	gs Unit 1H / Well Pad Name: Dogwood Pad /
3) Farm Name/Surface Owner:	Pallison Lumber Inc. Public Road Access: CO. Route 50
4) Elevation, current ground: 1	308' / Elevation, proposed post-construction:
5) Well Type (a) Gas X	Oil Underground Storage
Other	
(b)If Gas Shall	ow X Deep
Horiz	zontal X Office of Oil and Gas
6) Existing Pad: Yes or No Yes	JUL 0 2 2021
7) Proposed Target Formation(s)	Denth(s) Anticipated Thickness and Expected Pressure(s) ant of
Marcellus Shale: 7600' TVD, An	ticipated Thickness- 55 feet, Associated Pressurented Protection
8) Proposed Total Vertical Depth	7600' TVD
9) Formation at Total Vertical De	• • •
10) Proposed Total Measured Dep	oth: 11000' MD
11) Proposed Horizontal Leg Len	gth: 2285'
12) Approximate Fresh Water Str	ata Depths: 539'
13) Method to Determine Fresh V	Vater Depths: 47-095-30941
14) Approximate Saltwater Depth	s: 2341'
15) Approximate Coal Seam Dep	
	le Void (coal mine, karst, other): None Anticipated
17) Does Proposed well location of directly overlying or adjacent to a	V
(a) If Yes, provide Mine Info:	Name:
• •	Depth:
	Seam:
	Owner:

WW-6B (04/15) API NO. 47- 103 - 03425

OPERATOR WELL NO. Dasgs Unit 1H

Well Pad Name: Dogwood Pad

18)

CASING AND TUBING PROGRAM

ТҮРЕ	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#	590 *see #19	590 *see #19	CTS, 818 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#	11000	11000	2618 Cu. Ft
Tubing	2-3/8"	New	N-80	4.7#			
Liners							

Duya Hum 7-20-21

TYPE	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	Leed-HPCZ & Tall-H	H/POZ-1.44 & H-1.8
Tubing	2-3/8"	4.778"	0.19"	11,200			
Liners							

PACKERS

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

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08/27/2021

API NO. 47- 103	03425

OPERATOR WELL NO. Dazgs Unit 1H
Well Pad Name: Dogwood 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): 35.96
- 22) Area to be disturbed for well pad only, less access road (acres): 15.40

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 bbis fresh water followed by 25 bbis bentonite mud, 10 bbis fresh water spacer.

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

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

*Note: Attach additional sheets as needed.

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API Number 47 - 103

03425

Operator's Well No. Dangs 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 comple Will a pit be used? Yes No V	ete the proposed well work? Yes V No No
	d at this site (Unling and Flowback Fluids will be stored in tonks. Cuttings will be tanked and hauled off site.)
Will a synthetic liner be used in the pit? Yes	No If so, what ml.? N/A
Proposed Disposal Method For Treated Pit Wastes:	
	Number_*UIC Permit # will be provided on Form WR-34
	well locations when applicable. API# will be provided on Form WR-34 -9 for disposal location) (Meadowfill Landfill Permit #SWF-1032-98) Northwestern Landfill Permit #SWF-1025/ WV0109410
Will closed loop system be used? If so, describe: Yes, fluids sto	ored in tanks, cuttings removed offsite and taken to landfill.
Drilling medium anticipated for this well (vertical and horizontal	Surface - Air/Freshwater, Intermediate
-If oil based, what type? Synthetic, petroleum, etc. Syn	othetic RECEIVED Office of Oil and Gas
Additives to be used in drilling medium? Please See Attachment	Office of Office of Office
Drill cuttings disposal method? Leave in pit, landfill, removed of	offsite, etc. Drill cuttings stored in tanks, removed offsite and taken to fandfill.
-If left in pit and plan to solidify what medium will be u	to the second of
-Landfill or offsite name/permit number? Meadowfill Land	dfill (Permit #SWF-1032-98). Northwestern Landfill (Permit # SWF-1025/WV0109410)
Permittee shall provide written notice to the Office of Oil and Ga West Virginia solid waste facility. The notice shall be provided where it was properly disposed.	as of any load of drill cuttings or associated waste rejected at any within 24 hours of rejection and the permittee shall also disclose
on August 1, 2005, by the Office of Oil and Gas of the West Virgorovisions of the permit are enforceable by law. Violations of law or regulation can lead to enforcement action. I certify under penalty of law that I have personally application form and all attachments thereto and that, based	onditions of the GENERAL WATER POLLUTION PERMIT issued ginia Department of Environmental Protection. I understand that the any term or condition of the general permit and/or other applicable examined and am familiar with the information submitted on this on my inquiry of those individuals immediately responsible for ue, accurate, and complete. I am aware that there are significant ity of fine or imprisonment.
Company Official Signature Gretchen Kohler	
Company Official (Typed Name) Gretchen Kohler	
Company Official Title Director, Environmental and Regulatory C	ompliance
1-1	
Subscribed and sworn before me this 15+ day of	July , 20_21
My commission expires UIU 23, 2022	Notary Public ALEXANDRIA CASTI NOTARY PUBLIC STATE OF COLORADO NOTARY ID 2018402979

Form WW-9		Operator's	Well No. Daags Unit 1H
Antero Resources Co	rporation	Oparation 9	WONTHO.
Proposed Revegetation Treatme	nt: Acres Disturbed 35.96 ac	cres Prevegetation	рН
	_ Tons/acre or to correct to pH		
Fertilizer type Hay or s	traw or Wood Fiber (will be used to	where needed)	
Fertilizer amount 500	ib	s/acre	
Mulch 2-3	Tons/a	acre	
Weil Pad Constructi	on (15.40acres) + Access Road Construction - Total D	n (9.89 scres) + Topsoil Stockpile (5.97 acres) + isturbed Area 35,96 Acres	Additional Clearing (4.7 acres)
	Seed	d Mixtures	
Тетр	orary	Pern	nanent
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 se	ed type (Dogwood Pad Design)	See attached Table IV-4A for additional	tl seed type (Dogwood Pad Design)
*or type of grass seed requi	ested by surface owner	*or type of grass seed requ	uested by surface owner
Photocopied section of involved	7.5' topographic sheet.	mensions (L x W x D) of the pit, an	is dimensions (E x w), and area in
Plan Approved by:	Tarra		
Comments:			
			
			<u> </u>
 			
Title: Inspector		Date: 7-20-21	
Field Reviewed?			RECEIVED Office of Oil and Gas

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Environmental Protection 7/2021

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

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3. Cottonseed Hulls

Cellulose-Cottonseed Pellets - LCM

4. Mil-Seal

al WV Department of Vegetable, Cotton & Cellulose-Based Fiber Blend — LCMEnvironmental Protection rol

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

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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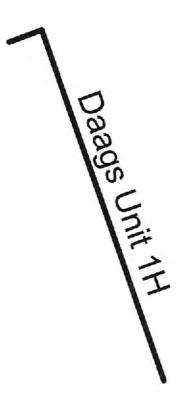
JUL 0 2 2021

W Department of Environmental Protection

Planned Disposal Method-UIC

				Coordinates
API	Operator	Well Name	State	Lat/Long NAD 83
				39.226075, -
3400923821	Central Environmental Services, LLC	K&H Partners LLC #1 (SWIW #8)	ОН	81.761403
2400022022		V811 Dombrons 11 C #2 (C\4/1\4/ #10)		39.234815, -
3400923823	Central Environmental Services, LLC	K&H Partners LLC #2 (SWIW #10)	OH	81.757166
				39.235082, -
3400923824	Central Environmental Services, LLC	K&H Partners LLC #3 (SWIW #11)	ОН	81.748312
				39.337326, -
3416729731	Redbird Development, LLC	Redbird #2 (SWIW #18)	ОН	81.674314
				38.964640, -
3410523651	GreenHunter Water, LLC	Murphy Hunter #3 (SWIW#23) Mills Hunter #3 (SWIW#23/) Mills Hunter #3 (SWIW #24//	ОН	81.785835
		Mills Hunter #3 (SWIW #22// 000) And Control of Control		38.969738, -
3410523637	GreenHunter Water, LLC	Mills Hunter #3 (SWIW #22)/	ОН	81.786124
		En. W 2 202		38.932919, -
3410523652	GreenHunter Water, LLC	Mills Hunter #2 (SWIW #2) 30 arr	ОН	81.788641
		Mills Hunter #1 (CMIM #10) 705 Of		38.940522, -
3410523619	GreenHunter Water, LLC	Mills Hunter #3 (SWIW #2½/2 2021 Mills Hunter #2 (SWIW #19) Mills Hunter #1 (SWIW #19)	ОН	81.787707
3412123995		Warren Drilling Co. (SWIW #6)		39.653808, -
3412123993	GreenHunter Water, LLC	warren brilling co. (Swiw #6)	ОН	81.475312
				39.656785, -
3412124086	GreenHunter Water, LLC	Travis Unit (SWIW #7)	ОН	81.480809
				40.027300, -
3405923986	Clearwater Solutions, LLC	Clearwater III #1 (SWIW #15)	ОН	81.511168
				40.027878, -
3405924473	Clearwater Solutions, LLC	Bo #1 (SWIW #20)	ОН	81.509974
				40.027364, -
3405924445	Clearwater Solutions, LLC	Effie #1 (SWIW#17)	ОН	81.449869
		Ritchie Hunter #2 (2W-1652)		39.256623, -
4708510142	GreenHunter Water, LLC	(UIC2D08510142)	wv	81.097484





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911 Address 3501 Furbee Ridge Rd, Reader, WV 26167

Well Site Safety Plan Antero Resources Buyer Harm

Well Name: Daags Unit 1H, Gribben Unit 1H & 2H and Orner

Unit 1H & 2H

Pad Location: Dogwood PAD Wetzel County/Green District

GPS Coordinates:

Entrance - Lat 39.525128' Long -80.733219 '(NAD 83) Pad Center - Lat 39.526388' Long -80.724039' (NAD 83)

Driving Directions:

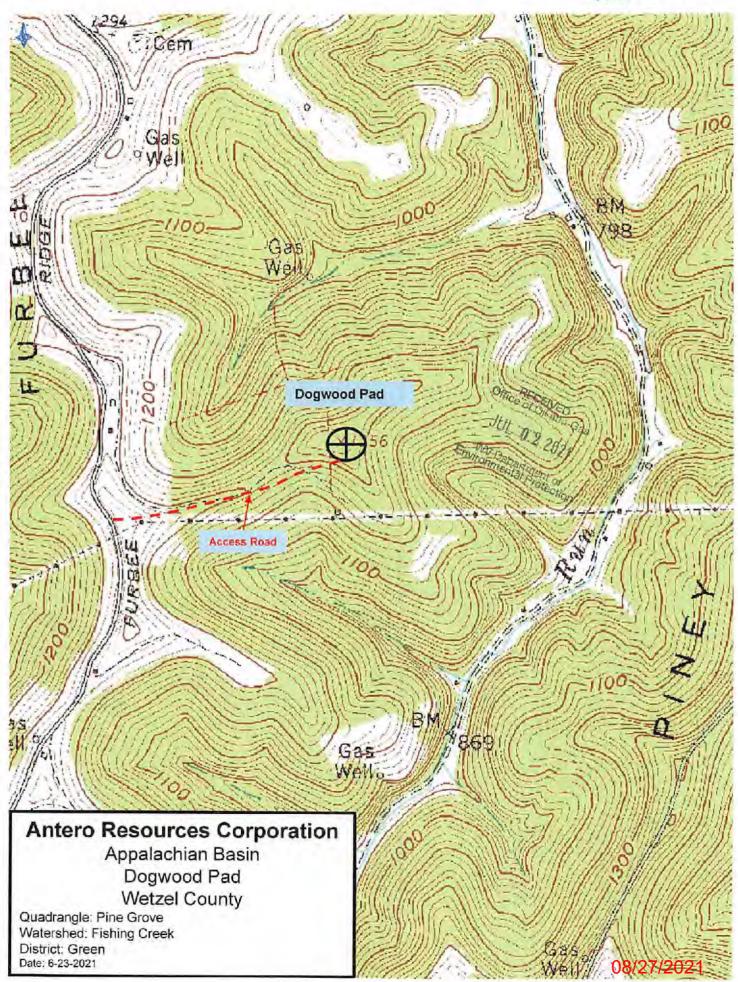
From the intersection of Broad St and Main St in Middlebourne: Head north east on WV - 18 N/Main St toward Wetzel Ave for 3.7 miles. Turn right toward Elk Fork for 302 feet. Continue onto Elk Fork for 0.4 miles. Turn right onto Elk Fork Rd for 9.6 miles. Turn right onto Wetzel Tyler Ridge Rd for 1.0 mile. Sharp left onto Ross Run for 0.1 miles. Ross Run turns slightly right and becomes Furbee Ridge Rd for 1.2 miles. Access road will be on your right.

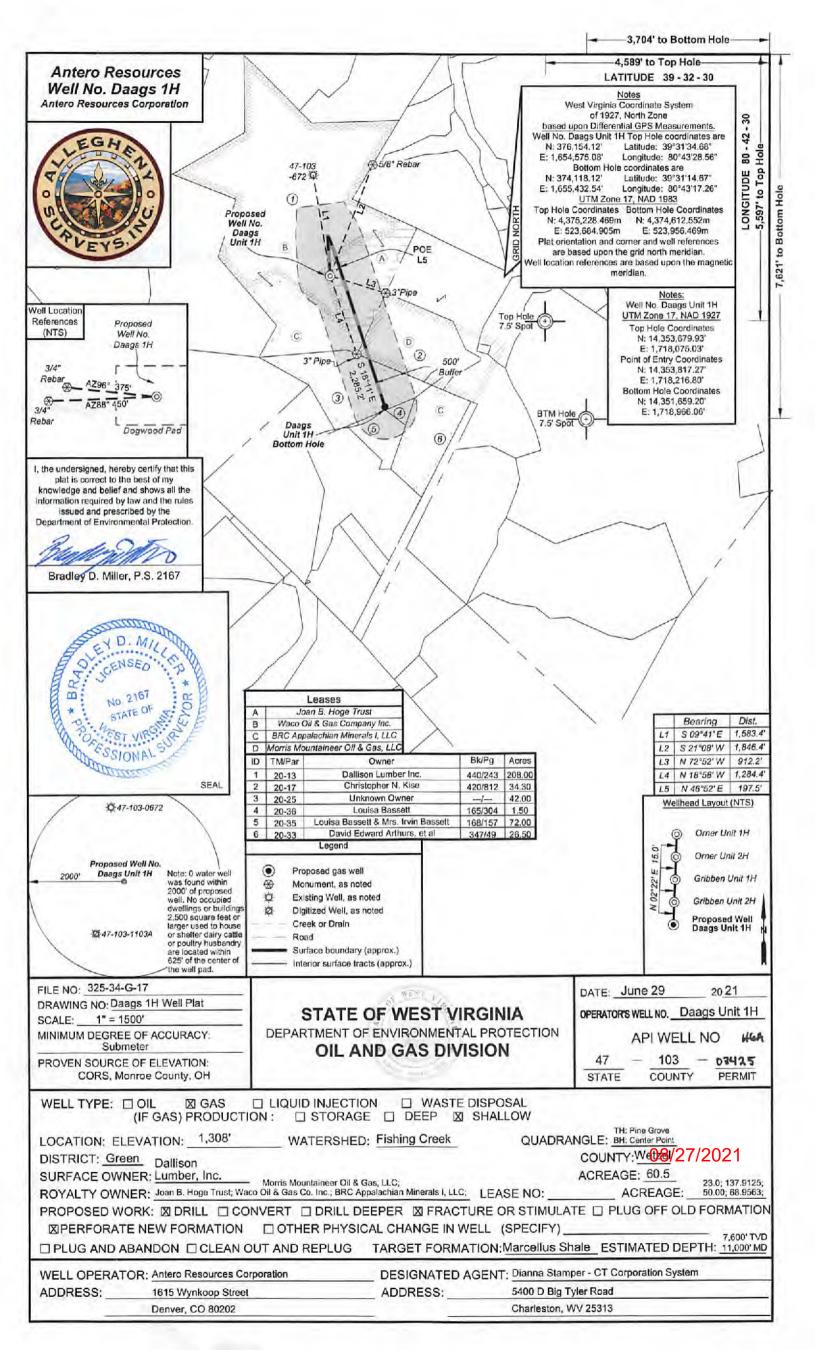
Alternate Route:

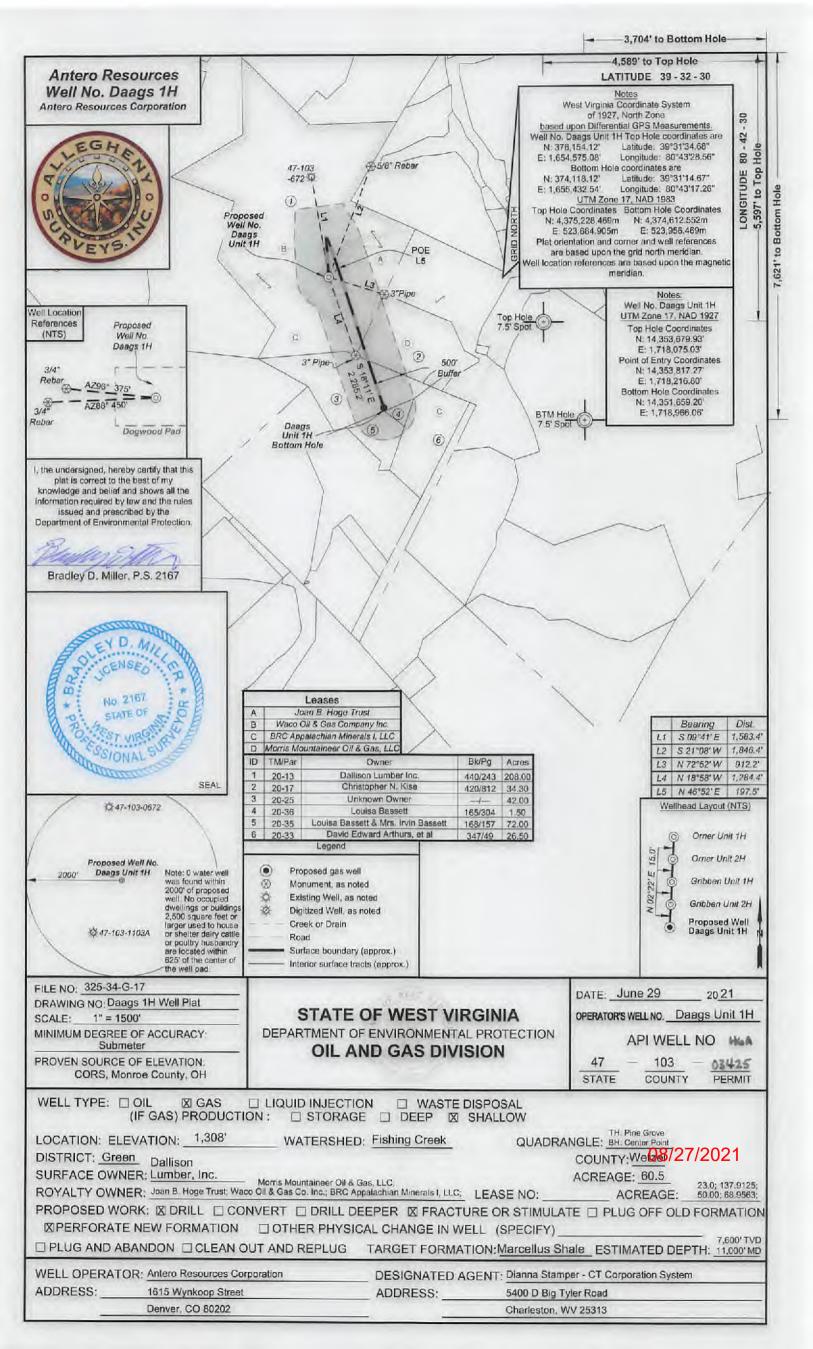
From the volunteer fire department in Reader WV: Head north on WV-20 N toward Spice Lane for 0.5 miles. Turn left onto Co Rd 40/2 for 0.4 miles. Turn left onto Brush Run Rd for 466 feet. Turn left onto Furbee Ridge Rd for 3.3 miles. Access road will be on your left.

EMERGENCY (24 HOUR) CONTACT SE 200-878-1373

JUL 22 2021







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_
₽	Waco Oil & Gas Company Inc. Lease Waco Oil & Gas Company Inc.	Antero Resources Corporation	1/8+	184A/0741
A	Joan B Hoge Trust Lease Joan B Hoge Trust	Antero Resources Corporation	1/8+	219A/200
P	Morris Mountaineer Oil & Gas LLC Lease Morris Mountaineer Oil & Gas LLC	Antero Resources Corporation	1/8+	257A/400



WW-6A1 (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 -

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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:

Lease Name or BRC Appalachian Mineral I, LLC ease

BRC Appalachian Mineral I, LLC BRC Working Interest Company LLC Chesapeake Appalachia LLC Statoii USA Onshore Properties Inc SWN Exchange Title Holder LLC SWN Production Company LLC Antero Exchange Properties LLC BRC Working Interest Company LLC
Chesapeake Appalachia LLC
Statoil USA Onshore Properties Inc
SWN Exchange Title Holder LLC
SWN Prduction Company LLC
Antero Exchange Properties LLC
Antero Resources Corporation

1/8+
Assignment
Assignment
Assignment
Merged
Assignment
Merged

102A/505 103A/470 120A/109 158A/801 13/296 177A/533 13/311

*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. Office of Oil and Gas

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WW 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 Resources Corporation

By: Brian Kuhn

Its: SR VP of Land

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

June 30, 2021

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

RE:

Daags Unit 1H

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 permit for the Daags Unit 1H 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 Daags Unit 1H horizontal lateral will drill through including any and all roads crossed under as identified on the attached survey plat.

Sincerely,

Brett Kuhn Senior Landman

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

API No. 47- 103

PLEASE CHECK ALL THAT APPLY □ 1. NOTICE OF SEISMIC ACTIVITY or □ NOTICE NOT REQUIRED BECAUSE NO SEISMIC ACTIVITY WAS CONDUCTED □ 2. NOTICE OF ENTRY FOR PLAT SURVEY or □ NO PLAT SURVEY WAS CONDUCTED □ 3. NOTICE OF INTENT TO DRILL or NOTICE NOT REQUIRED BECAUSE NOTICE OF ENTRY FOR PLAT SURVEY WAS CONDUCTED or □ WRITTEN WAIVER BY SURFACE OWNER (PLEASE ATTACH) □ 4. NOTICE OF PLANNED OPERATION □ RECEIVED	Date of Notic	e Certification: 06/30/2021		API No. 47-			
Pursuant to the provisions in West Virginia Code § 22-6A, the Operator has provided the required parties with the Notice Forbelow for the tract of land as follows: State: West Virginia							
Pursuant to the provisions in West Virginia Code § 22-6A, the Operator has provided the required parties with the Notice Forbelow for the tract of land as follows: State: Wost Virginia Ountry: Wetzel Oistrict: Green Pine Grove 7.5 Fine Grove 7.5 Fine Grove 7.5 Fine Hong Creek Pursuant to West Virginia Code § 22-6A-7(b), every permit application filed under this section shall be on a form as prescribed by the secretary, shall be verified and shall contain the following information: (14) A certification from the operate it has provided the owners of the surface described in subdivisions (1), (2) and (4), subsection (b), section ten of this article; (ii) that the requirement was deemed satisfied of giving the surface owner notice of entry to survey pursuant to subsection (a), section ten of this article six-a; or (iii) trequirements of subsection (b), section sixteen of this article were waived in writing by the surface owner; and Pursuant Virginia Code § 22-6A-11(b), the applicant shall tender proof of and certify to the secretary diffinates for prequirements of sof this article have been completed by the applicant. Pursuant to West Virginia Code § 22-6A, the Operator has attached proof to this Notice Certification of Gas Pursuant to West Virginia Code § 22-6A, the Operator has attached proof to this Notice Certification of Gas Pursuant to West Virginia Code § 22-6A, the Operator has attached proof to this Notice Certification of Gas Pursuant to West Virginia Code § 22-6A, the Operator has attached proof to this Notice Certification of Gas Pursuant to West Virginia Code § 22-6A, the Operator has attached proof to this Notice Certification of Gas Pursuant to West Virginia Code § 22-6A, the Operator has attached proof to this Notice Certification of Gas Pursuant to West Virginia Code § 22-6A, the Operator has attached proof to this Notice Certification of Gas Pursuant to West Virginia Code § 22-6A, the Operator has attached proof to this Notice Certification of Gas Pursuant to West Virginia Code § 22-			V	Well Pad N	ame: Dogwoo	d Pad	
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5. PUBLIC NOTICE RECEIVED	■ 5. PUE	BLIC NOTICE				□ RECEIVED	
■ 6. NOTICE OF APPLICATION □ RECEIVED	■ 6. NO	TICE OF APPLICATION				RECEIVED	

Required Attachments:

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

By:

Certification of Notice is hereby given:

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

Well Operator: Antero Resources Corporation

Diana Hoff Diana O.

Its: Senior VP of Operations

Telephone: 303-357-7310

Address: 1615 Wynkoop Street

Denver, CO 80202

Facsimile: 303-357-7315

Email: mstanton@anteroresources.com

NOTARY SEAL

ALEXANDRIA CASTILLO

NOTARY PUBLIC

STATE OF COLORADO

NOTARY ID 20184029703

MY COMMISSION EXPIRES JULY 23, 2022

Subscribed and sworn before me this 15t day of

Notary Public

My Commission Expires

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.

Office of Oil and Gas

JUL 0 2 2021

Environmental Protection

WW-6A (9-13)

API NO. 47- 109 7 1 0 3 0 3 4 2 5 OPERATOR WELL NO. Daags Unit 1H Well Pad Name: Dogwood 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: 7/1/2021 Date Permit Application Filed: 7/1/2021 Notice of: ☐ CERTIFICATE OF APPROVAL FOR THE ✓ PERMIT FOR ANY CONSTRUCTION OF AN IMPOUNDMENT OR PIT WELL WORK Delivery method pursuant to West Virginia Code § 22-6A-10(b) REGISTERED ✓ METHOD OF DELIVERY THAT REQUIRES A PERSONAL SERVICE MAIL 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 prov IT COAL OWNER OR LESSEE M SURFACE OWNER(s) Name: NO DECLARATIONS ON RECORD WITH COUNTY Name: Dallison Lumber Inc. ronmental Address: PO Box 21 Address: Jacksonburg, WV 26377 Name: Dallison Lumber Inc. COAL OPERATOR Name: NO DECLARATIONS ON RECORD WITH COUNTY Address: PO Box 159 Address: Jacksonburg, WV 26377 SURFACE OWNER(s) (Road and/or Other Disturbance) ■ WATER PURVEYOR(s)/OWNER(s) OF WATER WELL, Name: Dallison Lumber Inc. SPRING OR OTHER WATER SUPPLY SOURCE Address: PO Box 21 Name: NONE IDENTIFIED WITHIN 1500' Jacksonburg, WV 26377 Name: Dallison Lumber Inc. Address: Address: PO Box 159 ☐ OPERATOR OF ANY NATURAL GAS STORAGE FIELD Jacksonburg, WV 26377 SURFACE OWNER(s) (Impoundments or Pits) Name: Address: Name: Address: *Please attach additional forms if necessary

API NO. 47- 103

OPERATOR WELL NO. Daags Unit 1H

Well Pad Name: Dogwood Pad

Notice is hereby given:

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

This Notice Shall Include:

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

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

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

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

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

En.W.D.

**Default: **Additional information related to horizontal drilling may be obtained from the Secretary, at the may be obtained from the Secretary of the S

Well Location Restrictions

Pursuant to W. Va. Code § 22-6A-12, Wells may not be drilled within two hundred fifty feet life as the horizontally from any existing water well or developed spring used for human or domestic animal consumption. The center of well padsonay 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 apstream of the surface water intake. (3) For a groundwater source, the distance shall be measured from the wellhead or spring. The department may, in its discretion, waive these distance restrictions upon submission of a plan identifying sufficient measures, facilities or practices to be employed during well site construction, drilling and operations to protect the waters of the state. A waiver, if granted, shall impose any permit conditions as the secretary considers necessary. (c) Notwithstanding the foregoing provisions of this section, nothing contained in this section prevents an operator from conducting the activities permitted or authorized by a Clean Water Act Section 404 permit or other approval from the United States Army Corps of Engineers within any waters of the state or within the restricted areas referenced in this section. (d) The well location restrictions set forth in this section shall not apply to any well on a multiple well pad if at least one of the wells was permitted prior to the effective date of this article. (e) The secretary shall, by December 31, 2012, report to the Legislature on the noise, light, dust and volatile organic compounds generated by the drilling of horizontal wells as they relate to the well location restrictions regarding occupied dwelling structures pursuant to this section. Upon a finding, if any, by the secretary that the well location restrictions regarding occupied dwelling structures are inadequate or otherwise require alteration to address the items WW-6A (8-13)

API NO. 47-103

OPERATOR WELL NO. Daags Unit 1H

Well Pad Name: Dogwood 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 spail consult with the state Bureau for Public Health and local health departments. A surface owner and water purveyor has any independent aght to sample and analyze any water supply at his or her own expense. The laboratory utilized by the operator shall be appropriately 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 of 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:

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

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

API NO. 47- 103 _ 03425

OPERATOR WELL NO. Daags Unit 1H

Well Pad Name: Dogwood 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 JUL 0 2 2021 mit 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. 47-103 - 03425
OPERATOR WELL NO. Daags Unit 1H
Well Pad Name: Dogwood Pad

Notice is hereby given by:

Well Operator: Antero Resources Corporation

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

Facsimile: 303-357-7315

Address: 1615 Wynkoop Street

Denver, CO 80202

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 deepprivacyofficer@wv.gov.

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

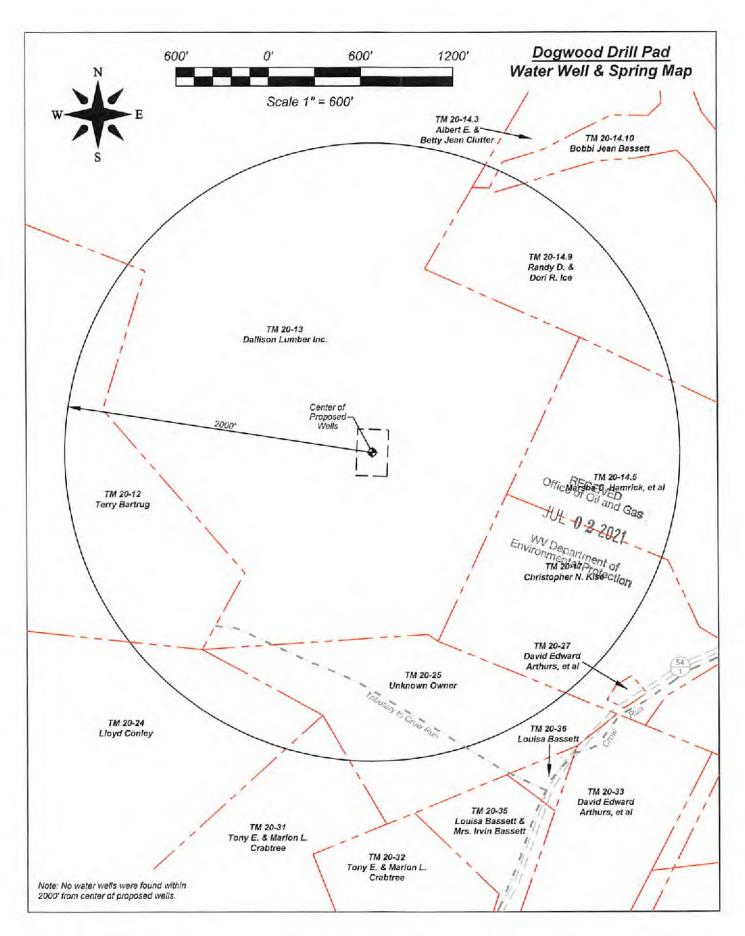
Subscribed and sworn before me this 1st day of July, 2021

My Commission Expires July 23, 2022

Office of Oil and Gas

JUL 0 2 2021

Environmental Protection



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

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

Notice Time Date of Notic		provided at least TEN (10) days prior to filing a Date Permit Application Filed: 07/01/2021	permit application.	
Delivery met	hod pursuant to West Virgin	nia Code § 22-6A-16(b)		
☐ HAND	■ CERTIFIED	MAIL		
DELIVE		CEIPT REQUESTED		
receipt reques drilling a hori of this subsec subsection ma and if availab	sted or hand delivery, give the zontal well: Provided, That is tion as of the date the notice vary be waived in writing by the le, facsimile number and elect	least ten days prior to filing a permit application surface owner notice of its intent to enter upon the notice given pursuant to subsection (a), section to was provided to the surface owner: <i>Provided</i> , how surface owner. The notice, if required, shall incomic mail address of the operator and the operator	he 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,	
	reby provided to the SUR		(2nd Address)	
Name: Dallison		Name: Dallison Lumber Inc Address: PO Box 159	(21d Address)	
	onburg, WV 26377	Jacksonburg, WV 26377		
the surface ov State: County: District: Quadrangle: Watershed:	west Virginia Wetzel Green Pine Grove 7.5' Fishing Creek	drilling a horizontal well on the tract of land as for the second	well operator has any intent to enter upon ollows: 523684.905 4375228.469 Furbee Ringe Ridad (CR 50) Dallison Lumber importation of of old of the content of the conten	
Pursuant to Y facsimile nur related to hor	nber and electronic mail add rizontal drilling may be obtain	-16(b), this notice shall include the name, address of the operator and the operator's authorized from the Secretary, at the WV Department of WV 25304 (304-926-0450) or by visiting www.d	ress, telephone number, and if available, and representative. Additional information of Environmental Protection headquarters,	
	reby given by:			
Well Operato	r: Antero Resources Corporation	Authorized Representative	: Mallory Stanton	
Address:	1615 Wynkoop St.	Address:	1615 Wynkoop St.	
	Denver, CO 80202		Denver, CO 80202	
Telephone:	303-357-7223	Telephone:	303-357-7223	
Email:	mstanton@enteroresources.com	Email:	mstanton@anteroresources.com	
Facsimile:	303-357-7315	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 deprivacyofficer@wv.gov.

WW-6A5 (1/12)

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

Date of No					later than the fil plication Filed:	ng date of permit 07/01/2021	application.
Delivery n	nethod p	oursuant to West	Virginia C	ode § 2	2-6A-16(c)		
■ CER	TIFIED	MAIL			HAND		
		ECEIPT REQUES	TED		DELIVERY		
return rece the planne required to drilling of damages to	ipt reque d operat be prov a horize the sur	ested or hand delivion. The notice of ided by subsection ontal well; and (3 face affected by or	very, give the required by n (b), section) A propose il and gas op	this su this su n ten of d surfa- peration	ce owner whose bsection shall in this article to a secuse and comp to the extent the	and will be used for clude: (1) A copy urface owner whose ensation agreement damages 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 not containing an offer of compensation for spensable under article six-b of this chapter, sted in the records of the sheriff at the time
Notice is h	ereby p	rovided to the SU	JRFACE O	WNER	R(s)		
(at the add	ress liste	ed in the records o			ime of notice):		-30
Minnie Dall	son Lumber	Inc.		-		e: Dallison Lumber Inc	(2nd Address)
				/			
Address: F	O Box 21			_ /	Add	ress: PO Box 159	
Address: F Jacksonburg,	PO Box 21 WV 26377			_ \	Add	ress: PO Box 159 Jacksonburg, WV 2637	7 OMO TECEIVED
Address: F Jacksonburg, Notice is I Pursuant to operation State:	on the s	iven: /irginia Code § 22 urface owner's lan	-6A-16(c), i	notice is	s hereby given th	at the undersigned ontal well on the transport	well operator has developed a planned act of land as delignes:
Address: F Jacksonburg, Notice is I Pursuant to operation State: County:	o Box 21 WV 26377 Hereby go West \ on the s West	iven: /irginia Code § 22 urface owner's lan	-6A-16(c), 1 d for the pu	notice is	s hereby given th f drilling a horiz UTM NA	at the undersigned ontal well on the trace D 83 Easting:	well operator has developed a planned act of land as of lows:
Address: F Jacksonburg. Notice is I Pursuant to operation State: County: District:	or Box 21 WV 26377 Hereby go West \ On the s West West Gree	iven: /irginia Code § 22 urface owner's lan	-6A-16(c), 1 d for the pu	notice is	s hereby given th f drilling a horiz UTM NA Public Ro	at the undersigned ontal well on the trace D 83	well operator has descloped a planned act of land as dellows:
Notice is I	or Box 21 WV 26377 Hereby go West \ On the s West Wetz Gree e: Pine	iven: /irginia Code § 22 urface owner's lan	-6A-16(c), 1 d for the pu	notice is	s hereby given th f drilling a horiz UTM NA Public Ro	at the undersigned ontal well on the trace D 83 Easting:	well operator has developed a planned act of land as of lows:
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Address: F Jacksonburg, Notice is I Pursuant to operation State: County: District: Quadrangl Watershed This Notic Pursuant to be prov horizontal surface aff informatio headquarte gas/pages/	wv 26377 wv 26377 wv 26377 wereby go West \ on the s west west west Fishin ce Shall o West \ vided by well; ar fected by n related ers, loca default.	riven: //irginia Code § 22 urface owner's lan //irginia rel Grove 7.5' // Include: // Include: // W. Va. Code § 2.5 dd (3) A proposed // yoil and gas oper // dt to horizontal dr // tted at 601 57th Saspx.	2-6A-16(c), 22-6A-10(b) surface use rations to th illing may b street, SE,	this not to a s and core externoc obtain	s hereby given the f drilling a horized TTM NA Public Rogenerally tice shall include urface owner with the damages at the dama	at the undersigned ontal well on the transport of transport of the transport of tran	well operator has developed a planned act of land as of lows: 10,5236,505m 4375224,457m CO. Route 50 Antero Resources Corporation a 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 V Department of Environmental Protection or by visiting www.dep.wv.gov/oil-and-
Address: F Jacksonburg. Notice is It Pursuant to operation State: County: District: Quadrangl Watershed This Notic Pursuant to be province affinematio headquarte gas/pages/	wv 26377 wv 26377 wereby go West \ on the s west west west gree e: Pine b: Fishin ce Shall o West vided by well; ar fected by n related ers, local default.a	civen: //irginia Code § 22 urface owner's lan //irginia rel //irginia //irginia //irginia //irginia Code § 23 //irginia Code § 23 //irginia Code § 24 //irginia Code § 25 //irginia Code § 25 //irginia Code § 32 //irginia Code § 33 //irginia Code § 34 //irginia Code	2-6A-16(c), 22-6A-10(b) surface use rations to th illing may b street, SE,	this not to a s and core externoce obtain	s hereby given the f drilling a horized TTM NA Public Rogerally Generally tice shall include urface owner with the damages at the damages at the from the South	at the undersigned ontal well on the trace D 83 Easting: Northing: ad Access: used farm name: (1)A copy of this nose land will be ment containing a compensable uncretary, at the WV 04 (304-926-0450).	well operator has developed a planned act of land as of lows: Operator of land as of la
Address: F Jacksonburg, Notice is I Pursuant to operation State: County: District: Quadrangl Watershed This Notic Pursuant to be prov horizontal surface aff informatio headquarte gas/pages/	or Box 21 wv 26377 nereby g or West \ or on the s west west Gree e: Pine e: Fishin ce Shall or West \ vided by well; ar fected by n related ers, local default.s	riven: //irginia Code § 22 urface owner's lan //irginia rel Grove 7.5' // Include: // Include: // W. Va. Code § 2.5 dd (3) A proposed // yoil and gas oper // dt to horizontal dr // tted at 601 57th Saspx.	2-6A-16(c), 22-6A-10(b) surface use rations to the illing may be street, SE,	this not to a s and core externoce obtain	s hereby given the f drilling a horized TTM NA Public Rogenerally tice shall include urface owner with the damages at the dama	at the undersigned ontal well on the transport of transpo	well operator has developed a planned act of land as of lows: Operator of land as of la

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 deportvacyofficer@wv.gov.

API NO. 47-103 - 03425
OPERATOR WELL NO. Deags Unit 1H
Well Pad Name: Dogwood 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 factors ons, the secretary may issue the well work permit at any time.

VOLUNTARY STATEMENT OF NO OBJECTION 2 2021

I, provisions lis WW-6A and required, and	, hereby state that I have read the sted above, and that I have received copies of a Not attachments consisting of pages one (1) through the well plat, all for proposed well work on the trace	Instructions to	o Persons N ation, an Ap	amed on Page and the associate plication for a plication for a plication for an and sediment control plan,	
State:	West Virginia U	Public Road Access:		523684.905m 4375228.469m CO. Route 50	
County:	Wetzel				
District:					
Quadrangle: Watershed:	Pine Grove 7.5'	enerally used f	arm name:	Dallison Lumber Inc.	
		FOI	REXECUT	TON BY A NATURAL PERSON	
*Please check	k the box that applies	FOI	R EXECUT	TION BY A NATURAL PERSON	
□ SURFA	CE OWNER	Sign	nature:		
□ SURFAC	CE OWNER (Road and/or Other Disturbance)	Prin Date	it Name: e:		
□ SURFAC	CE OWNER (Impoundments/Pits)			TON BY A CORPORATION, ETC.	
□ COAL C	OWNER OR LESSEE	Con	npany:	D. C.	
□ COAL C	OPERATOR	By: Its:			
□ WATER	R PURVEYOR				
□ OPERA	TOR OF ANY NATURAL GAS STORAGE F	TIELD Date	e:		

Oil and Gas Privacy Notice:

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WEST VIRGINIA DEPARTMENT OF TRANSPORTATION

Division of Highways

Byrd E. White, III Secretary of Transportation/ Commissioner of Highways 1900 Kanawha Boulevard East • Building Five • Room 110 Charleston, West Virginia 25305-0430 • (304) 558-3505

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

June 15, 2021

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 Dogwood Pad, Wetzel County
Daags Unit 1H Well Site

Dear Mr. Martin,

This well site will be accessed from a DOH permit #06-2018-0075 which has been issued to Southwestern Energy for access to the State Road for a well site located off Wetzel County Route 50 SLS MP 3.58.

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.

Yang K. Clayton

Regional Maintenance Engineer Central Office O&G Coordinator

Cc: Mallory Stanton Antero Resources CH, OM, D-6

File

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	111-76-2 9000-30-0 OFFICE VED 7647-01-0 64742-47-8 JUL 0 0		
Hydrogen Chloride	7647-01-0 "ICE OF OH OH		
Hydrotreated light distillates, non-aromatic, BTEX free	7647-01-0 The of Oil and Gas 64742-47-8 JUL 67-63-0		
Isopropyl alcohol	67-63-0 2 2021 10222-0 100 Proprietary 67-63-0 Proprietary 67-63-0 Proprietary 67-63-0 Proprietary		
liquid, 2,2-dibromo-3-nitrilopropionamide	10222-0 Vione Parte		
Microparticle	Proprietary Profession		
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		
Coco amine	61791-14-8		
2-Propyn-1-olcompound with methyloxirane	38172-91-7		

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 Chice of Cal	/ED 64742-48-9
 5. Anionic polymer 6. BTEX Free Hydrotreated Heavy Naphtha Office of Office of Office 7. Cellulase enzyme 	^{and} Gas (Proprietary)
8. Demulsifier Base	2024 (Proprietary)
9. Ethoxylated alcohol blend 10. Ethoxylated Nonylphenol 11. Ethoxylated oleylamine	Mixture Mixture
10. Ethoxylated Nonylphenol	nt of 68412-54-4
11. Ethoxylated oleylamine	Plection 26635-93-8
12. Ethylene Glycol	107-21-1
13. Glycol Ethers	111-76-2
14. Guar gum	9000-30-0
15. Hydrogen Chloride	7647-01-0
16. Hydrotreated light distillates, non-aromatic, BTEX free	64742-47-8
17. Isopropyl alcohol	67-63-0
18. Liquid, 2,2-dibromo-3- nitrilopropionamide	10222-01-2
19. Microparticle	Proprietary
20. Petroleum Distillates (BTEX Below Detect)	64742-47-8
21. Polyacrylamide	57-55-6
22. Propargyl Alcohol	107-19-7
23. Propylene Glycol	57-55-6
24. Quartz	14808-60-7
25. Sillica crystalline quartz	7631-86-9
26. Sodium Chloride	7647-14-5
27. Sodium Hydroxide	1310-73-2
28. Sugar	57-50-1
29. Surfactant	68439-51-0
30. Suspending agent (solid)	14808-60-7
31. Tar bases, quinolone derivs, benzyl chloride-quarternize	d 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
38. Hexamethylene diamine penta	23605-74-5
39. 2-Propenoic acid, polymer with 2 propenamide	9003-06-9
40. Hexamethylene diamine penta (methylene phosphonic	•
41. Diethylene Glycol	111-46-6
42. Methenamine	100-97-0
43. Polyethylene polyamine	68603-67-8
44. Coco amine	61791-14-8
45. 2-Propyn-1-olcompound with methyloxirane	38172-91-7

DOGWOOD WELL PAD & WATER CONTAINMENT PAD

AS-BUILT AND EROSION & SEDIMENT CONTROL IMPROVEMENT PLAN

GREEN DISTRICT, WETZEL COUNTY, WEST VIRGINIA LITTLE MUSKINGUM-MIDDLE ISLAND WATERSHED

LOCATION COORDINATES:
ACCESS ROAD EXPERIMENT
LATTINGS PROMISED LONGITUDE -60,730049 (MAD 63)
LATTINGS DOSESORS LOXGITUDE -60,730049 (MAD 73)
H 4370697.21 E 50,8004.32 (UM 20)0.17 METERS)

CENTER OF TANK
LATFIJDE 39.528936 LONGTFUDE -82.724036 (MAD 80)
LATFIJDE 39.528849 LONGTFUDE -82.724036 (MAD 80)
H 437289.37 E 523717 71 (UTM ZONE 17 METERS)

CENTROLU OF PAD
LANTITUE 26.580580 LONGITUDE -60.724419 (NAD 83)
LANTITUE 29.580507 LONGITUDE -60.724408 (NAD 87)
N ASTRESS 33 E 527805.25 (UTM 2008 17 METERS)

GENERAL DESCRIPTION.
THE ACCESS ROAD(S) NOTE: CONTAINENT PAD, AND WELL PAD HAVE HERE CONSTRUCTED TO AID IN THE DIVIDIDANT OF DESCRIPTION MARKELING STALE CAS WALLS.

FLOODPLAIN NOTES:

PROPOSED SITE IS LOCATED WITHIN FEMA PLOOD ZONE 'N' PER FEMA PLOOD MAP #54190COLPGG.

MISS UTILITY STATEMENT:
ANTHOR DESCRIPTION TO THE HOTOPHIC WISE BETTLEY OF FIRST VERDING FOR THE LOCATION OF UTILITIES PRIOR TO THIS PROMET ENTOR. IN ADDITION, MISS UTILITY WILL BE CONTACTED BY THE PROPERTY OF THE STATE OF CONSTRUCTION FOR THESE PROMET.

ENTRANCE PERMIT:

ENVIRONMENTAL MOTES:

STREAM AND WETLAND DEMONSTRATE, FREE PERFORMED ON SEPTEMBER 6, SOFT BY SC. HARVEY

STREAM AND WETLAND DEMONSTRATE, STREET FOR STREETS AND METLANDE THAT MER MOST LINES, WITHIN

THE REGULATORY PERFORMS OF THE U.S. ARMY COURS OF SECURE. SECURE (MASS AND OR THE FEST

WEREINS ESTABLISHED OF ENVIRONMENTAL PROTECTION SEVERE) THE SEPTEMBER 7, 2017 AQUARTE

PRATISES MAY HAVE FERFARED BY SC REMOVED TOWNSHOULD. LC. AND STOCKARTES THE SECURITY OF THE LANDWARD MAINTED BY SECURITY OF THE LANDWARD MAINTED OF THE MASS AND WETLANDS WHICH MAY BE RESOLUTED BY THE UMANCE OF THE

PROJECT CONTACTS:

OPERATOR: ANYERO RESOURCES CORPORATION DIS WHITE OAKS BLVD DRIDGEFORT, WV 20000

PHONE (304) 842-4100 FAX (304) 842-4102 | PAC | (304) | 042-4102 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100

DMNA HOFF - SVP OPERATIONS OFFICE (2001) 367-6984

AANON KUNZLER - CONSTRUCTION MANAGER CELL: (304) 542-4191

POBERT WERKS - DESIGN MANAGER OFFICE (804) 842-4100 CTEL (304) 827-7405 CHARLES E. COMPTON, IN - WILLITY COORDINATOR CELL (304) 739-6449

WVDEP OOG

ACCEPTED AS-BUILT

8/10/2021

MARK HUTSON - LAND AGENT CELL: (304) 669-6315

ENVIRONMENTAL KC HARVEY ENVIRONMENTAL LLC SHANNON THOMPSON - STAPP SCIENTIST OFFICE (240) NYS-1870 CELL (370) 396-8280

NOTES

MANAGER'S MINT REMAIN IN PLACE AND PUNCTIONAL INTEL ALL SEES WITHIN THE JUST OF SETTIMENOR AND COMPARTS AND PERMANENTY GRADILIZED MEMPENANCE MUST SCALED INSPECTION OF ALL EXPECTED MAIN DEPARTS CONTROLS AFTER EACH HUMOFF EVENT IS EXCESS OF SAY AND NA EXTERMENT MAIN PROPERTY.

- 2 THE CONSTRUCTION SITE SHOULD BE STABILIZED AS SOON AS POSSIBLE AFTER COMPLETION. ESTABLISHMENT OF FINAL STABILIZATION VILST BE INITIATED NO LATER TIAN 7 DAYS AFTER. ESTREMENHENCY OF TRAKE STABLEZATION WIGHT HE SHITAKED NO LATER THAN T DAYS AFTER REACKING PRINC LOUD FLAG STABLEZATION WHANS THAT ALL TONG THAN TO THAT STABLEZATION REACHES TO THE THAN THE ACCOUNTED, AND THAT EITHER A PERMANENT VOCETARITY COURS WITH A DENSITY OF TAX OR RELATED LOUD REACHEST STABLEZ BY LAKE COURS WITH A DENSITY OF TAX OR COURS SUCH AS PAYMENT OR UNLESSMENT TO SHEAT STABLEZ BY LAKE COURS OF THE STABLE AND THAT STATE OF THE STATE TO THE STATE OF THE STABLE STABLEZ AND NOT THAT STATE ARE VOCATED. AND NOT THAT STATE OF THE STATE AND NOT THAT STATE ARE VOCATED. AND NOT THAT STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE.
- ALL PERMANENT SEDIMENT CONTROL MEASURES CAN BE REMOVED AFTER THE SITE IS PROMANENTLY STABILIZED AND APPRIONAL IS RECEIVED FROM THE WYDER.
- ANY AREAS DESTURBED BY REMOVAL OF CONTROLS SHALL BE REPAIRED, STABILIZED AND
- THE AS-BUILT INFORMATION SHOWN HEREON REPLECTS DATA COLLECTED BY OTHERS, PROVIDED BY ANYHOR RESOURCES, RELATING BY THE FINAL GRAZING OF THE BESTURED AREA. THE RESOURCESNO, SEATING TO THE FINAL GRAZING OF THE SHOW AREA AND A THE ARE
- THE EXECUTING CONTAINMENT BERM ABOUND THE WELL PAD SHALL BE REPAIRED AS NECESSARY TO DESIGN TO DESIGN OPERATIONS
- THE EXISTING EXPENSES TO THE WELL PAD SHALL HAVE THE NOUNTABLE BERMS REPAIRED AS NECESSARY TO ENSURE LOOK CONTABRMENT OF ALL FLUIDS PRIOR TO DELLUNG OPERATIONS

PORTERS FALLS & PINE CROVE USGS 7.5 QUAD MAP(S) ((SITE ENTRANCE . 0 (11)

WEST VIRGINIA COUNTY MAP



AS BUILT CERTIFICATIONS:
THE DEARINGS, CONSTRUCTION NOTES, AND
REPUBLINGE DIAGRAMS ATMICISED HIGHER HAVE
BEEN PREPARED IN ACCOMMANCE WITH THE
FIRST MIRITIAN CODE OF STATE RULLES, DIVISION
OF ENVIRONMENTAL PROFESSION, OFFICE OF DIL
MS GAS CES 33-6.



MISS Utility of West Virginia 1-800-245-4846 West Virginio 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

- I POYER SHOP
- R LEGEND
- 8 OVERALL PLAN SHIELT DURCE
- A ACCESS BOAD AS-BIOLE PLAN
- 5-6 ACCESS ROAD & WILL PAD AS-BUILT PLAN
- 7 ADDESS BOAD ASS-BUILD PROPERTY
- 9 CONSTRUCTION DETAILS.
- 10 ACCESS BOAD PROLAMATION MANS
- IN-IN ACCESS ROAD & WELL PAD RECLAMATION PLAN

DOCUMODD LIMITS OF DISTURBANCE	AREA VACI
Total Site	Yotal
Access Road	9.89
Well Pad	15.40
Siockpile Area	5.97
Additional Limits of D siurbance	4.70
Total Affected Area	35,56
Total Wooded Acres Distribed	24.74
Impacts to Bartrup, Terry APNR 0.	5-20-12
Access Road	5.41
Appropriate Limits of Disturbance	3.30
Total Affected Area	9.71
Total Wooded Acres Dishirbed	2.23
broacts to Dallison Lumber, Inc. APN	# 05-26-E3
Access Road	3.45
Well Pad	15.40
Stockpile Area	5.97
Additional Limits of Disturbance	1.40
Total Affected Area	20.26
Total Wooded Acres Diskuted	22.51

Watim	15/40 (Gunt) 15/40 19	NAC STLAND LONG	MIN INCTEMA	NORTH ALL		
	Nameled Joseph					
Direct TH	4 97921-4.07 E 9654577 NO	LAT 39-31 35 2717 LONG 40-41-21 2781	74 4375346,75 IT 523466.36	LAT 35-01-00 5020		
Unit 2H	4 370189/09 C 5054575.54	LONG 40-43-20 5444	*(43/5242 18) 5 525665 24	LONG-10-41-17 9/05		
Onlisted Unit til	6 1854576 32	LONG 40-43 JR 3467		AT 19-11-34 2654 LDHG 40-42-27 5118		
Orlabin Deltah	4 976169 11 0.1054675.70	LAT 39-31 34 0273 LONG-89-43-24 5584	F 4375239 DA © 523686 02	LONG BOARD BYON		
Deags Unit 1H	14 378154.12 C \$604575.04	LAT 39-31-3416199 LONG 80-1-20-500A	11 \$275228 47 5 \$23684 91	LAT 39-31-34 9692 LOVG 40-43-27 6224		
Topowed Well I	Rad Pleustice	1,309.0				

REPRODUCTION NOTE

PAPER HALF SCALE PRAYINGS AND ON STREET (AND D) PAPER.

HIERE PLANS WIRE EMENTED PUR COLOR PLOTTING ANY ANY REPRODUCTIONS IN USEY SYARE OR COLOR MAY RESPUE BY A LOSE OF INSTRUMENTA AND SHOULD NOT USE INCOME SOCIETATION PROPRIES



TEN TELL



PAD & WATER CONTAINMENT I GREEN DISTRICT ETZEL COUNTY, WEST VIRGINIA DOGWOOD

WELL

DATE: 06/25/202 SCALE: AS SHOWN SHEET 1 OF 12

