

west virginia department of environmental protection

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

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

Monday, May 19, 2025 WELL WORK PERMIT Horizontal 6A / New Drill

ANTERO RESOURCES CORPORATION 1615 WYNKOOP STREET

DENVER, CO 80202

Re:

Permit approval for Eleanor Unit 1H

47-095-02932-00-00

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

Operator's Well Number: Eleanor Unit 1H

Farm Name: Robert F & Rita K Scardina

Horizontal 6A New Drill

U.S. WELL NUMBER: 47-095-02932-00-00

Date Issued: 5/19/2025

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. 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. Also, 24 hours prior to the initiation of the completion process the operator shall notify the Chief or his designee.
- During the completion process the operator shall monitor 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.
- 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)

API NO. 47-095		
OPERATOR WELL	NO.	Eleanor Unit 1H
Well Pad Name:	Starke	y Pad

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

1) Well Operator:	Antero R	esources	Corporal	494507062	095 - Tyler	Lincoln	Paden City
				Operator ID	County	District	Quadrangle
2) Operator's Wel	ll Number:	Eleanor U	nit 1H	Well Pad	Name: Starke	ey Pad	
3) Farm Name/Su	rface Owner	Robert F. Sca	ardina & Rita K. \$	Scardina Public Road	d Access: Han	nilton Drive)
4) Elevation, curre	ent ground:	1092'	Ele	evation, proposed p	oost-construction	on:	
5) Well Type (a) Gas X		_ Oil	Unde	rground Storag	ge	
0	ther						
(b)If Gas S	hallow	<u>X</u>	Deep			
	H	orizontal	<u>X</u>				
6) Existing Pad: Y	es or No N	lo					
			3 /5	pated Thickness ar	-	` '	
Marcellus Shale	: 6700' TVD,	Anticipate	d Thicknes	ss- 55 feet, Associa	ted Pressure- 2	800#	
8) Proposed Total	Vertical De						
9) Formation at To	otal Vertical	Depth:	Marcellus				
10) Proposed Tota	ıl Measured	Depth: 6	6700' MD				
11) Proposed Hori	izontal Leg	Length: C)'				
12) Approximate	Fresh Water	Strata Dep	pths:	464			
13) Method to Det	termine Fres	h Water D	epths: 4	7-095-00275			
14) Approximate	Saltwater De	epths: 15	22				
15) Approximate	Coal Seam I	Depths: N	one				
16) Approximate	Depth to Pos	ssible Void	d (coal mir	ne, karst, other): 1	lone Anticipat	ed	
17) Does Proposed directly overlying				Yes	No	X	
(a) If Yes, provide	de Mine Info	: Name:					
		Depth:					
		Seam:					
		Owner	:				

Page 1 of 3 05/30/2025 WW-6B (04/15) API NO. 47- 095 OPERATOR WELL NO. Eleanor Unit 1H
Well Pad Name: Starkey 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#	100	100	CTS, 96 Cu. Ft.
Fresh Water	13-3/8"	New	J-55	54.5#	514	514	CTS, 536 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#	6700	6700	761 Cu. Ft
Tubing	2-3/8"	New	N-80	4.7#			
Liners							

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"	0.438"	1530	50	Class A/L	~1.18
Fresh Water	13-3/8"	17-1/2"	0.38"	2730	1000	Class A/L	~1.18
Coal	9-5/8"	12-1/4"	0.352"	3520	1500	Class A/L	~1.18
Intermediate							
Production	5-1/2"	8-3/4" & 8-1/2"	0.415"	12,630	2500	Lend-H/POZ & Tail - 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		

Page 2 of 3 05/30/2025

WW-6B
(10/14)

API NO. 47- 095 OPERATOR WELL NO. Eleanor Unit 1H
Well Pad Name: Starkey Pad

4709502932

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

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

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

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

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

- 21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 35.27 acres
- 22) Area to be disturbed for well pad only, less access road (acres): 14.87 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/L cement.

Surface: Class A/L cement with 2-3% calcium chloride and 1/4 lb of flake Intermediate: Class A/L 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.

Page 3 of 3 05/30/2025

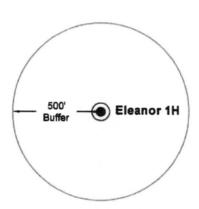
4709502932

LEGEND

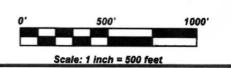
- Proposed gas well
- Existing Well, as noted
- Digitized Well, as noted



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



Bridgeport Office 172 Thompson Drive Phone: (304) 848-5035 Bridgeport, WV 26330 Fax: (304) 848-5037 PARTY CHIEF: C. Lynch DRAWN BY: C. Robinson RESEARCH: J. Miller PREPARED April 10, 2025 SURVEYED: Dec. 2016 PROJECT NO: 157-54-L-23 FIELD CREW: C.L., K.M. DRAWING NO: Eleanor 1H AOR Sheet 1 of 1





west virginia department of environmental protection

Office of Oil and Gas 601 57th Street, SE Charleston, WV 25304 Phone (304) 926-0450 Harold D. Ward, Cabinet Secretary dep.wv.gov

Office of Oil and Gas

BEFORE THE OFFICE OF OIL AND GAS DEPARTMENT OF ENVIRONMENTAL PROTECTION APR 1 7 2025 STATE OF WEST VIRGINIA

WV Department of Environmental Protection

IN THE MATTER OF A VARIANCE FROM)		
LEGISLATIVE RULE 35CSR4)	ORDER NO.	2022-14
SECTION 11.5 AND LEGISLATIVE RULE)		
35CSR8 SECTION 9.2.h.8.,)		
RELATING TO THE CEMENTING)		
OF OIL AND GAS WELLS)		

REPORT OF THE OFFICE

In response to industry requests, the West Virginia Department of Environmental Protection, Office of Oil and Gas has reviewed the proposed use of American Petroleum Institute (API) Class L cement to be used in place of API Class A cement for well construction.

FINDINGS OF FACT

- On July 14, 2022, Northeast Natural Energy (NNE) submitted a variance request from Legislative Rule 35CSR8 Section 9.2.h.8., for the use of API Class L cement in place of API Class A cement, relating to the construction of horizontal wells.
- Laboratory analysis submitted by NNE on July 14, 2022, indicates API Class L cement is comparable to API Class A cement and thereby satisfies the requirements of the West Virginia Code.
- 3. Contemporaneously, the Chief of the Office of Oil and Gas also chose to consider a variance to Legislative Rule 35CSR4 Section 11.5., for the use of API Class L cement in place of API Class A cement, relating to the construction of vertical wells.

Promoting a healthy environment.

 On August 18, 2022, the Office of Oil and Gas provided public notice of acceptance of public comments on the variance consideration. During the 20-day public comment period, no comments were received.

CONCLUSIONS OF LAW

Pursuant to Article 6 and Article 6A, Chapter 22 of the Code of West Virginia, the Office of Oil and Gas has jurisdiction over the subject matter, and the persons interested therein, and jurisdiction to promulgate the hereinafter prescribed Order.

Pursuant to Legislative Rule 35CSR4, Section 18 and Legislative Rule 35CSR8, Section 14, the Chief of the Office of Oil and Gas may grant a variance from any requirement of these rules.

RECEIVED Office of Oil and Gas

ORDER

APR 1 7 2025

It is ordered that the Class L cement product approved and monogramed by API is protection approved for use in place of API Class A cement for well construction subject to the provisions of Legislative Rule 35CSR4 and Legislative Rule 35CSR8.

Dated this, the 13th day of September, 2022.

IN THE NAME OF THE STATE OF WEST VIRGINIA

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

James Martin, Chief Office of Oil and Gas April 15th, 2025

West Virginia Office of Oil and Gas Attn: Taylor Brewer 601 57th St SE Charleston, WV 25304

RE: Request for Variance – Class L Cement Eleanor Unit 1H & 2H, Izabela Unit 1H & 2H and Grey Unit 1H & 2H Tyler County, WV

Mr. Brewer:

Pursuant to 35CSR8 Section 9.2.h.8, Antero Resources Corporation ("Antero") would like to implement the variance to allow Class L Cement in place of Class A cement relating to the construction of the following horizontal well (Eleanor Unit 1H) on the Starkey pad.

Antero only plans to use this method if Class A cement is not available to be use due to supply issues. Please see Order No 2022-14 attached.

If you have any questions or need further information, please feel free to contact Mallory Turco, Permitting Manager, at (303) 357-7182 or email at mturco@anteroresources.com.

Sincerely,

Permitting Agent

Antero Resources Corporation

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Office of Oil and Gas

APR 1 7 2025

WV Department of Environmental Protection WW-9 (4/16)

API Number 47	7 - (095	-
Operat	or's	Well No	Fleanor Unit 1H

Operator's Well No. Eleanor Unit 1H STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

TEOIDS/ COTTI	NOS DISPOSAL & RECLAIMATION PLAN
Operator Name_ Antero Resources Corporation	OP Code _494507062
Watershed (HUC 10) Outlet Middle Island Creek	Quadrangle Paden City
Do you anticipate using more than 5,000 bbls of wat Will a pit be used? Yes No V	er to complete the proposed well work? Yes No
	No oil will be used at this site (Odling and Ekwhack Eluide will be stored in tanks. Cuttings will be tanked and bouled aff site.)
If so, please describe anticipated pit waste: Will a synthetic liner be used in the pit? Ye	No pit will be used at this site (Drilling and Flowback Fluids will be stored in tanks. Cuttings will be tanked and hauled off site.) The CE IVED The Control of Oil and Gate The CE IVED The CE IVED The Control of Oil and Gate The CE IVED The Control of Oil and Gate The CE IVED The Control of Oil and Gate The Control of Oil and
Proposed Disposal Method For Treated Pit	4.5
Reuse (at API Number_F	WV Department of Orthogram WW-9 for disposal location (Meadowfill Landfill Permit #SWF-1032-98) Northwestern Landfill Permit #SWF-1025/ WV0109410 Wetzel Co Landfill Permit #SWF-1021
Will closed loop system be used? If so, describe: Y	es, fluids stored in tanks, cuttings removed offsite and taken to landfill.
Drilling medium anticipated for this well (vertical ar	d horizontal)? Air, freshwater, oil based, etc. Surface - Air/Freshwater, Intermediate - Dust/Stiff Foam, Production - Water Based Mud
-If oil based, what type? Synthetic, petrolet	ım, etcSynthetic
Additives to be used in drilling medium? Please Sec	e Attachment
Drill cuttings disposal method? Leave in pit, landfill	, removed offsite, etc Drill cuttings stored in tanks, removed offsite and taken to landfill.
-If left in pit and plan to solidify what medi-	um will be used? (cement, lime, sawdust) N/A
	Meadowfill Landfill (Permit #SWF-1032-98), Northwestern Landfill (Permit # SWF-1025/WV0109410) Vetzel Co Landfill (Permit #SWF-1021)
Permittee shall provide written notice to the Office of	f Oil and Gas of any load of drill cuttings or associated waste rejected at any e provided within 24 hours of rejection and the permittee shall also disclose
on August 1, 2005, by the Office of Oil and Gas of the provisions of the permit are enforceable by law. Value or regulation can lead to enforcement action. I certify under penalty of law that I have application form and all attachments thereto and obtaining the information, I believe that the information penalties for submitting false information, including	
Company Official Signature Gretchen Ko	their
Company Official (Typed Name) Gretchen Kohler	
Company Official Title Director of Environmental & F	Regulatory Compliance
	A 5.
Subscribed and swom before me this	day of ADRI , 20_25
CARM PAUNE WE	Notary Public CARLY RAYNE WREN
My commission expires	5-20 STATE OF COLORADO NOTARY DE MOTARY DE M

Operator's Well No. Eleanor Unit 1H

Proposed Revegetation Treatment: Acres D	isturbed 35.27 acres	Prevegetation pH		
Lime 2-4 Tons/acre	or to correct to pH 6.5			
Fertilizer type Hay or straw or Wood	Fiber (will be used where needed	0		
Fertilizer amount 500	lbs/acre			
Mulch_ 2-3	Tons/acre			
Access Road "A" (10.20) + Access Road "B" (1.6		Pad (14.87) + Excess/Topsoil Mater	rial Stockpiles (4.02) =35.27 Acres	
_	Seed Mixtures			
Temporary		Perman	ent	
Seed Type lbs/acre		Seed Type	lbs/acre	
Annual Ryegrass 40	Crov	vnvetch	10-15	
Field Bromegrass 40	Tall Fe	scue/Perennial Ryegrass	30 / 20	
See attached Table IV-3 for additional seed type (Stark	key Pad Design) See attac	See attached Table IV-4A for additional seed type (Starkey Pad Design)		
*or type of groce send requested by		*or type of grass seed requested by surface owner		
*or type of grass seed requested by su Attach: Maps(s) of road, location, pit and proposed a provided). If water from the pit will be land a acreage, of the land application area. Photocopied section of involved 7.5' topograp	rea for land application (unles applied, include dimensions (L	s engineered plans includi	ng this info have been	
Attach: Maps(s) of road, location, pit and proposed a provided). If water from the pit will be land a acreage, of the land application area.	rea for land application (unles applied, include dimensions (L	s engineered plans including X W x D) of the pit, and d	ng this info have been	
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Form WW-9 Additives Attachment

SURFACE INTERVAL

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

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Environmental Protection

APR 1 7 2025 WV Department of

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

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

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

Office of Oil and Gas

APR 1 7 2025

RECEIVED

19. Terra-Rate

Organic Surfactant Blend

WV Department of Environmental Protection

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



911 Address 426 Hamilton Drive Sistersville, WV 26175

Well Site Safety Plan Antero Resources

Well Name: Starkey Unit 5V, Elexa Unit 1H, Elexa Unit 2H, Ivory Unit 1H, Ivory Unit 2H, Magnolia Unit 1H, Magnolia Unit 2H, Eleanor Unit 1H, Eleanor Unit 2H, Grey Unit 1H, Grey Unit 2H, Izabela Unit 1H, Izabela Unit 2H

Pad Location: STARKEY PAD

Tyler County/Lincoln District

GPS Coordinates:

Entrance - Lat 39.563039/Long -80.932606 (NAD83)

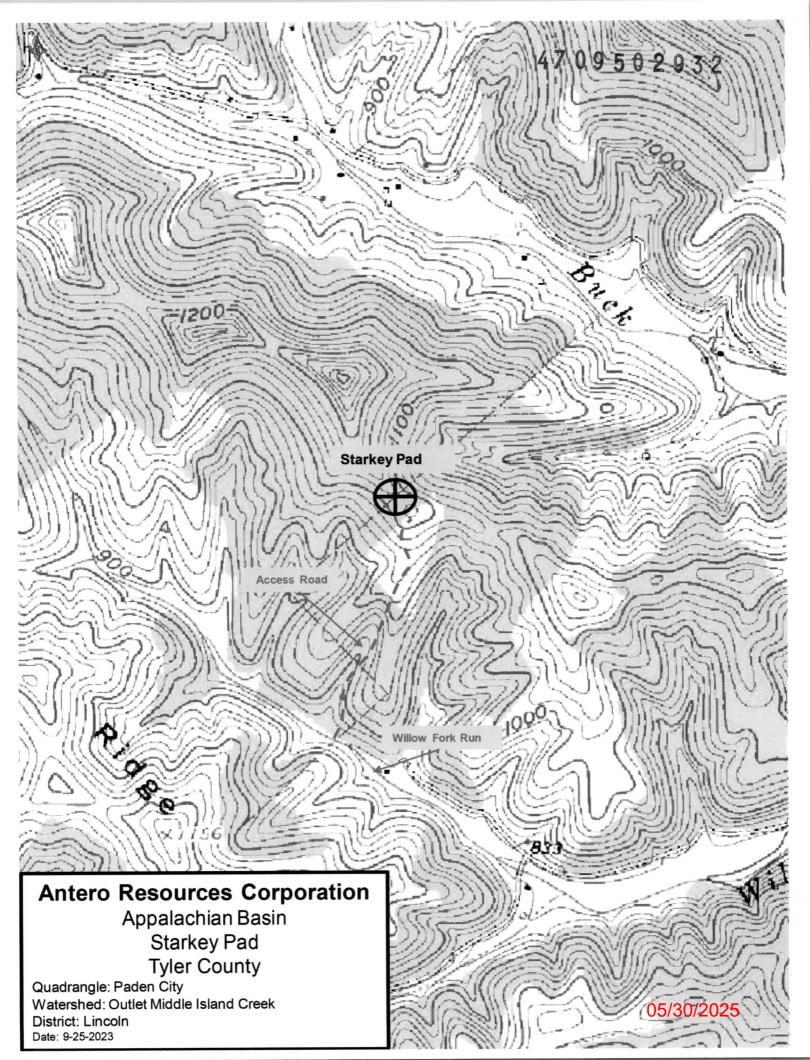
Pad Center - Lat 39.568236/Long -80.929963 (NAD83)

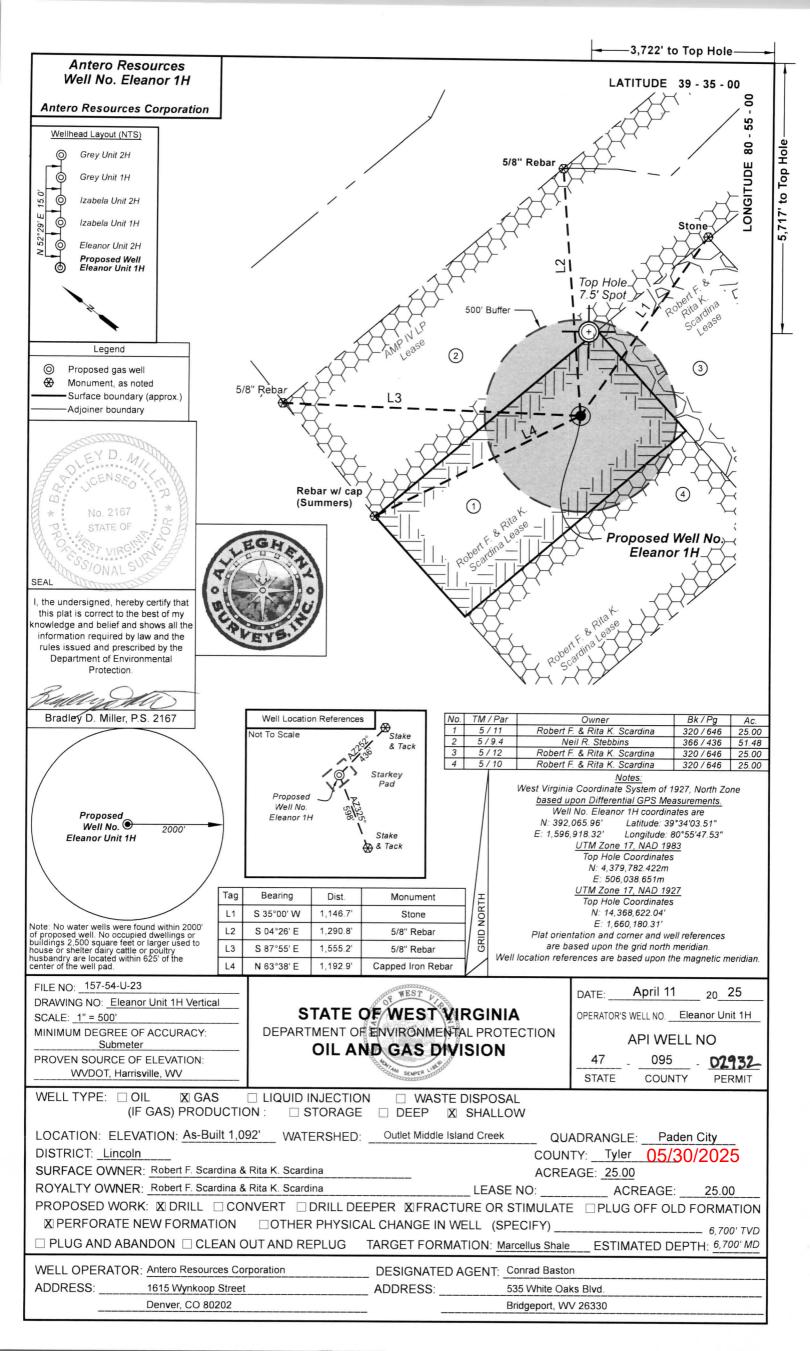
Driving Directions:

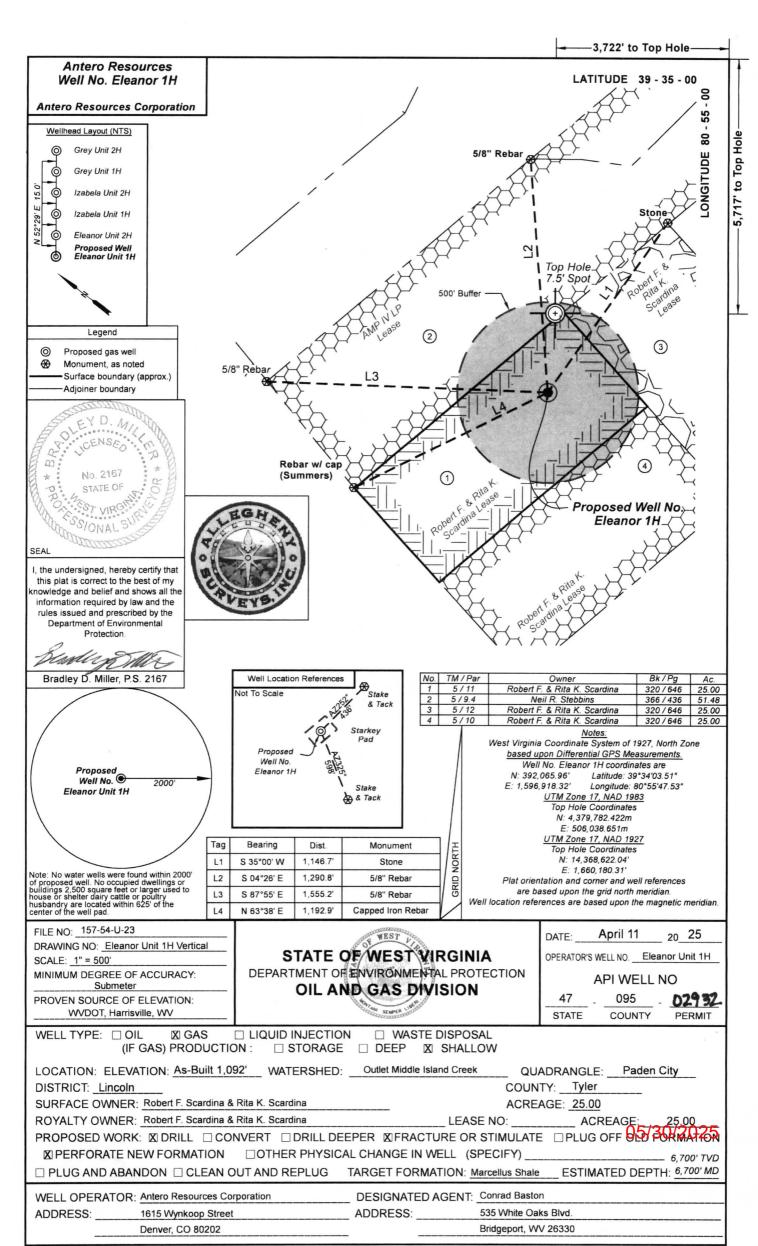
From WV-180, turn southwest onto CO. 1 (Buck Run) and travel for 0.6 miles. Turn left onto CO. 18/2 (Willow Fork/Badger Run Rd) and travel for 1.7 miles. Continue straight onto CO. 1/3 and travel for 0.5 miles. The entrance to the lease road will be on the right.

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

05/30/2030







Sullsis

WW-6A1
(5/13)

Operator's Well No.	Eleanor 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:

Lease Name or				
Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
Robert F. & Rita K. Scardina Lease:				
	Robert F. & Rita K. Scardina	Antero Resources Corporation	1/8+	235/654

Office of Oil and Gas

APR 1 7 2025

WV Department of Environmental Protection

Acknowledgement of Possible Permitting/Approval In Addition to the Office of Oil and Gas

The permit applicant for the proposed well work addressed in this application hereby acknowledges the possibility of the need for permits and/or approvals from local, state, or federal entities in addition to the DEP, Office of Oil and Gas, including but not limited to the following:

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

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

Well Operator:	Antero Resou	irces Corpor	ration	
By:	Tim Rady	(Til	(De)	
Its:	Senior Vice F	resident of L	Land /	

4709502932



April 10, 2025

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

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

RECEIVED
Office of Oil and Gas

APR 1 7 2025

Environmental Protection

WV Department of

RE:

Eleanor Unit 1H

Quadrangle: Paden City

Tyler County/Lincoln District, West Virginia

Mr. Martin:

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

Sincerely,

Tyler Adams Sr. Landman

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

Date of Notic	ee Certification: 04/15/2025	API No	. 47- 095 -	
		Operat	or's Well No. Elean	nor Unit 1H
		Well P	ad Name: Starkey	Pad
Notice has b	oeen given:			
Pursuant to th	e provisions in West Virginia Code §	22-6A, the Operator has provided the	e required parties w	with the Notice Forms listed
	tract of land as follows:			
State:	West Virginia	UTM NAD 83 Easting		
County:	Tyler	Northii	ng: 4379782.42m	
District:	Lincoln	Public Road Access:	Hamilton Drive	
Quadrangle:	Paden City	Generally used farm nam	e: Robert F. Scardin	na & Rita K. Scardina
Watershed:	Outlet Middle Island Creek			
it has provide information re of giving the requirements Virginia Code	ed the owners of the surface describ equired by subsections (b) and (c), se surface owner notice of entry to su of subsection (b), section sixteen o	hall contain the following information bed in subdivisions (1), (2) and (4), ection sixteen of this article; (ii) that the arvey pursuant to subsection (a), sect of this article were waived in writing ender proof of and certify to the secre- tion.	subsection (b), see ne requirement was ion ten of this arti by the surface ov	ction ten of this article, the deemed satisfied as a resul- cle six-a; or (iii) the notice wner; and Pursuant to Wes
that the Ope	erator has properly served the require	perator has attached proof to this Noti d parties with the following:	ce Certification	OOG OFFICE USE
*PLEASE CHI	ECK ALL THAT APPLY			ONLY
□ 1. NO	TICE OF SEISMIC ACTIVITY or	■ NOTICE NOT REQUIRED BE SEISMIC ACTIVITY WAS CONT		RECEIVED/ NOT REQUIRED
□ 2. NO	TICE OF ENTRY FOR PLAT SURV	/EY or 🔳 NO PLAT SURVEY WA	S CONDUCTED	☐ RECEIVED
■ 3. NO	TICE OF INTENT TO DRILL or	☐ NOTICE NOT REQUIRED BE NOTICE OF ENTRY FOR PLAT S WAS CONDUCTED or		RECEIVED/ NOT REQUIRED
		☐ WRITTEN WAIVER BY SU	RFACE OWNER	
		(PLEASE ATTALE WED Office of Oil and G	36	
■ 4. NO	TICE OF PLANNED OPERATION	APR 1 7 2025		RECEIVED
■ 5. PU	BLIC NOTICE	WV Department of		RECEIVED
■ 6. NO	TICE OF APPLICATION	Environmental Protect	ion	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.

Certification of Notice is hereby given:

THEREFORE, I Tom Waltz , 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: Tom Waltz

Its: VP Completions

Telephone: 303-357-6705

Address: 1615 Wynkoop Street

Denver, CO 80202

Facsimile: 303-357-7373

Email: cwren@anteroresources.com

NOTARY SEAL

CARLY RAYNE WREN
NOTARY PUBLIC
STATE OF COLORADO
NOTARY ID 20224038743
MY COMMISSION EXPIRES 10/05/2026

Subscribed and sworn before me this 4 day of ADM 1 202

Cary rayne wren

_____ Notary 1 u

My Commission Expires 10 -5-2

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 RECEIVED Oil and Gas

APR 17 2025

WV Department of Protection

WW-6A (9-13)

4709502932

API NO. 47- 095

OPERATOR WELL NO. Eleanor Unit 1H

Well Pad Name: Starkey 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: 4/16/2025 Date Permit Application Filed: 4/16/2025 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) ☐ PERSONAL ☐ REGISTERED ☑ METHOD OF DELIVERY THAT REQUIRES A **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. Office of Oil and Gas ☐ Application Notice ☐ WSSP Notice ☐ E&S Plan Notice ☐ Well Plat Notice is hereby provided to: APR 1 7 2025 ☑ SURFACE OWNER(s) COAL OWNER OR LESSEE Name: Robert F. & Rita K. Scardina Name: NO DECLARATIONS ON RECORD WITH COUNTY - WV Department of Environmental Protection Address: 1185 Pitts Run Rd Address: Alma, WV 26320 Name: Neil R. Stebbins COAL OPERATOR Address: 61 Hillcrest Acres Name: NO DECLARATIONS ON RECORD WITH COUNTY Sistersville, WV 26175 Address: ☐ SURFACE OWNER(s) (Road and/or Other Disturbance) WATER PURVEYOR(s)/OWNER(s) OF WATER WELL, Address: SPRING OR OTHER WATER SUPPLY SOURCE Name: NO WATER WELLS OR SPRINGS FOUND WITHIN 1500' OF PAD Name: Address: Address: □ OPERATOR OF ANY NATURAL GAS STORAGE FIELD ☐ SURFACE OWNER(s) (Impoundments or Pits) Name: Name: Address: Address: *Please attach additional forms if necessary

Notice is hereby given:

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

This Notice Shall Include:

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

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

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

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

Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450) or location headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450) or location headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450) or location headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450) or location headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450) or location headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450) or location headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450) or location headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450) or location headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450) or location headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450) or location headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450) or location headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450) or location headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450) or location headquarters, located at 601 57th Street, located at 601 57th S

Well Location Restrictions

APR 1 7 2025 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 many not be located within six hundred twenty-five feet of an occupied dwelling structure, or a building two thousand five hundred square feet to house or shelter dairy cattle or poultry husbandry. This limitation is applicable to those wells, developed springs, dwellings or agricultural buildings that existed on the date a notice to the surface owner of planned entry for surveying or staking as provided in section ten of this article or a notice of intent to drill a horizontal well as provided in subsection (b), section sixteen of this article was provided, whichever occurs first, and to any dwelling under construction prior to that date. This limitation may be waived by written consent of the surface owner transmitted to the department and recorded in the real property records maintained by the clerk of the county commission for the county in which such property is located. Furthermore, the well operator may be granted a variance by the secretary from these distance restrictions upon submission of a plan which identifies the sufficient measures, facilities or practices to be employed during well site construction, drilling and operations. The variance, if granted, shall include terms and conditions the department requires to ensure the safety and protection of affected persons and property. The terms and conditions may include insurance, bonding and indemnification, as well as technical requirements. (b) No well pad may be prepared or well drilled within one hundred feet measured horizontally from any perennial stream, natural or artificial lake, pond or reservoir, or a wetland, or within three hundred feet of a naturally reproducing trout stream. No well pad may be located within one thousand feet of a surface or ground water intake of a public water supply. The distance from the public water supply as identified by the department shall be measured as follows: (1) For a surface water intake on a lake or reservoir, the distance shall be measured from the boundary of the lake or reservoir. (2) For a surface water intake on a flowing stream, the distance shall be measured from a semicircular radius extending upstream of the surface water intake. (3) For a groundwater source, the distance shall be measured from the wellhead or spring. The department may, in its discretion, waive these distance restrictions upon submission of a plan identifying sufficient measures, facilities or practices to be employed during well site construction, drilling and operations to protect the waters of the state. A waiver, if granted, shall impose any permit conditions as the secretary considers necessary. (c) Notwithstanding the foregoing provisions of this section, nothing contained in this section prevents an operator from conducting the activities permitted or authorized by a Clean Water Act Section 404 permit or other approval from the United States Army Corps of Engineers within any waters of the state or within the restricted areas referenced in this section. (d) The well location restrictions set forth in this section shall not apply to any well on a multiple well pad if at least one of the wells was permitted prior to the effective date of this article. (e) The secretary shall, by December 31, 2012, report to the Legislature on the noise, light, dust and volatile organic compounds generated by the drilling of horizontal wells as they relate to the well location restrictions regarding occupied dwelling structures pursuant to this section. Upon a finding, if any, by the secretary that the well location restrictions regarding occupied dwelling structures are inadequate or otherwise require alteration to address the items

API NO. 47-095

OPERATOR WELL NO. Eleanor Unit 1H

Well Pad Name: Starkey 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:

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

APR 1 7 2025

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) 4709502932

API NO. 47- 095

OPERATOR WELL NO. Eleanor Unit 1H

Well Pad Name: Starkey Pad

Time Limits and Methods for Filing Comments.

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

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

Comment Requirements

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

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

Permit Denial or Condition

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

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

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

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



WW-6A (8-13)

OPERATOR WELL NO. Eleanor Unit 1H

Well Pad Name: Starkey Pad

Notice is hereby given by:

Well Operator: Antero Resources Corporation

Telephone: (303) 357-7373 Email: cwren@anteroresources.com Address: 1615 Wynkoop Street

Denver, CO 80202

Facsimile: 303-357-7315

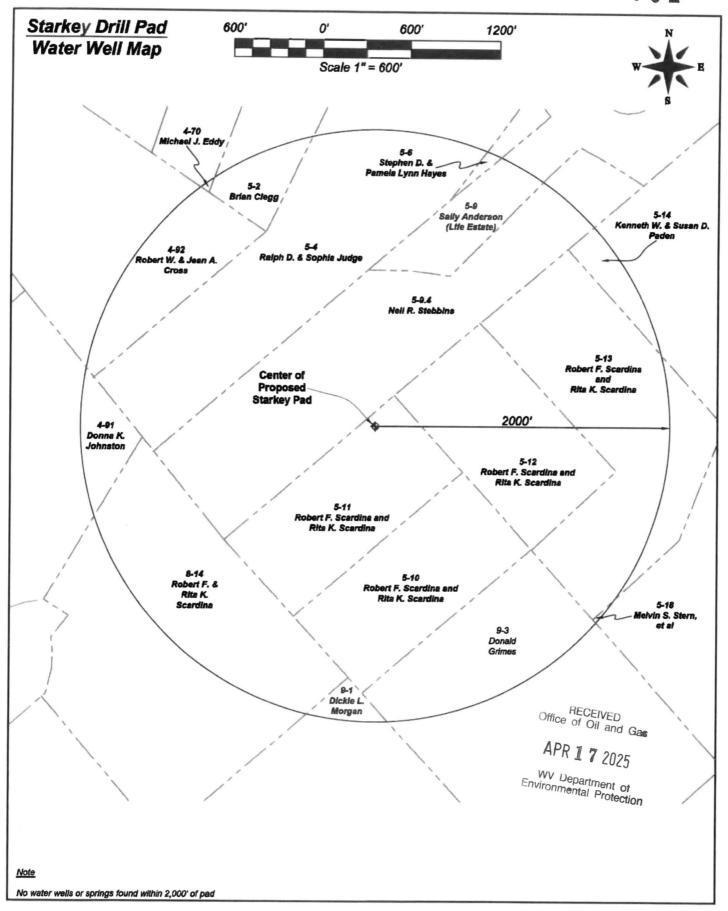
Oil and Gas Privacy Notice:

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.

CARLY RAYNE WREN **NOTARY PUBLIC** STATE OF COLORADO NOTARY ID 20224038743 MY COMMISSION EXPIRES 10/05/2026 Subscribed and sworn before me this day of ADE

My Commission Expires

Office of Oil and Gas WV Department of Environmental Protection



4709502932

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 R Date of Notice	Requirement: Notice shall be provided at least 7 101/30/2025 Date Permit Ap	ΓΕΝ (10) days prior to filing a pplication Filed: 04/16/2025	permit application.
Delivery meth	od pursuant to West Virginia Code § 22-6A-	16(b)	
☐ HAND DELIVER	CERTIFIED MAIL RETURN RECEIPT REQUEST	ED	
drilling a horize of this subsection subsection may	Va. Code § 22-6A-16(b), at least ten days priored or hand delivery, give the surface owner notiontal well: <i>Provided</i> , That notice given pursua on as of the date the notice was provided to the be waived in writing by the surface owner. The facsimile number and electronic mail address	ice of its intent to enter upon the unt to subsection (a), section te surface owner: <i>Provided, how</i> the notice, if required, shall include:	ne surface owner's land for the purpose of n of this article satisfies the requirements ovever, That the notice requirements of this ude the name, address, telephone number, r's authorized representative.
Notice is here	eby provided to the SURFACE OWNER	(s):	Office RECEIVED of Oil and Gas
Name: Robert F. 8		Name: Neil R. Stebbins	" and o
Address: 1185 P	itts Run Road	Address: 61 Hillcrest Acres	APR 1 7 2025
Alma, WV 26320		Sistersville, WV 26175	WV () 2025
state:	eby given: est Virginia Code § 22-6A-16(b), notice is here her's land for the purpose of drilling a horizonta West Virginia Tyler	by given that the undersigned I well on the tract of land as fo UTM NAD 83 Easting: Northing:	wv-Department of Protection well operator has an intent to enter upon llows: 506038.65m 4379782.42m
	Lincoln	Public Road Access:	Hamilton Drive
_	Paden City	Generally used farm name:	Robert F. Scardina & Rita K. Scardina
· -	Outlet Middle Island Creek	Generally used farm name.	Nobel 1 : Scardina & Pila N. Scardina
facsimile numb	chall Include: est Virginia Code § 22-6A-16(b), this notice per and electronic mail address of the operato contal drilling may be obtained from the Secret 57 th Street, SE, Charleston, WV 25304 (304-92)	r and the operator's authorize tary, at the WV Department of	d representative. Additional information
Notice is here	eby given by:		
Well Operator:	Antero Resources Corporation	Authorized Representative:	Carly Wren
Address:	1615 Wynkoop St.	Address:	1615 Wynkoop St.
	Denver, CO 80202		Denver, CO 80202
Telephone:	303-357-7373	Telephone:	303-357-7373
Email:	cwren@anteroresources.com	Email:	cwren@anteroresources.com
Facsimile:	303-357-7315	Facsimile:	303-357-7315
			100 m (4 21) 2 3 3 3

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. Eleanor Unit 1H

4709502932 STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS **NOTICE OF PLANNED OPERATION**

Date of Notice:	od/16/2025 Date Permit Application			application. ——
Delivery metho	d pursuant to West Virginia Code § 22-6A-1	6(c)		
CERTIFIE RETURN	ED MAIL HAND RECEIPT REQUESTED DELIV			
return receipt re the planned ope required to be pr drilling of a hor damages to the s	Va. Code § 22-6A-16(c), no later than the dat quested or hand delivery, give the surface owner train. The notice required by this subsection rovided by subsection (b), section ten of this art rizontal well; and (3) A proposed surface use a surface affected by oil and gas operations to the required by this section shall be given to the sur	er whose land in shall included icle to a surfa and compense extent the date	I will be used fo de: (1) A copy ace owner whose sation agreement amages are comp	r the drilling of a horizontal well notice of of this code section; (2) The information e land will be used in conjunction with the t containing an offer of compensation for bensable under article six-b of this chapter. ted in the records of the sheriff at the time
(at the address li Name: Robert F. & Address: 1185 Pitt Alma, WV 26320	is Run Road	Name: !	Neil R. Stebbins 3: 61 Hillcrest Acres de, WV 26175	Office of Oil and Gas APR 1 7 2025 WV Department of Environmental Protection
	y given: it Virginia Code § 22-6A-16(c), notice is hereby e surface owner's land for the purpose of drilling			
	lest Virginia	UTM NAD 8	Easting:	506038.65m
	yler		Northing:	4379782.42m
		Public Road	Access: ed farm name:	Hamilton Drive
· · · · -	aden City utlet Middle Island Creek	Jenerally use	a faim name.	Robert F Scardina & Rita K. Scardina
to be provided horizontal well; surface affected information rela	st Virginia Code § 22-6A-16(c), this notice shall by W. Va. Code § 22-6A-10(b) to a surface of and (3) A proposed surface use and compensate by oil and gas operations to the extent the dated to horizontal drilling may be obtained from the cated at 601 57th Street, SE, Charleston, V	owner whose tion agreement mages are community the Secret	e land will be un nt containing an empensable under eary, at the WV	sed in conjunction with the drilling of a offer of compensation for damages to the er article six-b of this chapter. Additional Department of Environmental Protection
Well Operator:	Antero Resources Corporation	Address:	1615 Wynkoop Stree	at .
Telephone:	303-357-7373		Denver, CO 80202	
Email:	cwren@anteroresources.com	Facsimile:	303-357-7373	
Oil and Gas Pr	ivacy 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.

WEST VIRGINIA DEPARTMENT OF TRANSPORTATION

Michael J. DeMers

Michael J. DeMers

Charleston, West Virginia 25305-0440 • (304) 558-0444

Deputy Secretary of Transportation

Stephen T. Rumbaugh, P.E. Secretary of Transportation Commissioner of Highways

April 15, 2025

James A. Martin, Chief Office of Oil and Gas Department of Environmental Protection 601 57th Street, SE Charleston, WV 25304 Office RECEIVED of Oil and Gas
APR 1 7 2025

WV Department of Environmental Protection

Subject: DOH Permit for the Starkey Well Pad, Tyler County

Eleanor 1H Well Site Eleanor 2H Well Site Izabela 1H Well Site Izabela 2H Well Site Grey 1H Well Site Grey 2H Well Site

Dear Mr. Martin,

This well site will be accessed from a DOH permit #06-2023-0477 which has been issued to Antero Midstream LLC for access to the State Road for a well site located off Tyler County Route 18/21 SLS MP 0.63.

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 March 6, 2023. This letter is valid for permitting purposes for one year from the date of this letter.

Very Truly Yours,

Lacy D. Pratt

Central Office O&G Coordinator

Cc: Carly Wren

Antero Midstream LLC

OM, D-6

File

List of Anticipated Additives Used for Fracturing or Stimulating Well 4709502932

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

			4/0950293
OPERATOR:	Antero Resources Corp.	WELL NO: Elear	nor Unit 1H
PAD NAME:_	Starkey Pad		
REVIEWED E	BY: Carly Wren	_ SIGNATURE:	CAN
	WELL RESTRICTION	ONS CHECKLIS	RECEIVED Office of Oil and Gas
	HORIZONTAI	L 6A WELL	APR 1 7 2025
Wall Danket			WV Department of Environmental Protection
Well Restric	ctions		Protection
✓	At Least 100 Feet from Pad and LOD (in Perennial Stream, Lake, Pond, Reservoir	ncluding any E&S Co or Wetland; OR	ntrol Feature) to any
	DEP Waiver and Permit Condition	ns	
\checkmark	At Least 300 Feet from Pad and LOD (in Naturally Producing Trout Stream; OR	ncluding any E&S Co	ntrol Feature) to any
Į	DEP Waiver and Permit Conditio	ns	
\checkmark	At Least 1000 Feet from Pad and LOD (Groundwater Intake or Public Water Sup	including any E&S Coply; OR	ontrol Feature) to any
[DEP Waiver and Permit Condition	ons	
√	At Least 250 Feet from an Existing Wate Drilled; OR	er Well or Developed	Spring to Well Being
[Surface Owner Waiver and Reco	rded with County Cle	rk, OR
[DEP Variance and Permit Condit	ions	
	At Least 625 Feet from an Occupied Dw	elling Structure to Ce	nter of the Pad; OR
[Surface Owner Waiver and Reco	rded with County Cle	rk, OR
	DEP Variance and Permit Condit	ions	
	At Least 625 Feet from Agricultural Buil of the Pad; OR	dings Larger than 250	00 Square Feet to the Center
[Surface Owner Waiver and Recor	rded with County Clea	rk, OR
[DEP Variance and Permit Condit	ions	

LOCATION COORDINATES:

ACCESS ROAD ENTRANCE

LATITUDE: 39.563039 LONGITUDE: -80.932606 (NAD 83)

LATITUDE: 39.562963 LONGITUDE: -80.932779 (NAD 27)

N 4379262.87 E 505789.22 (UTM ZONE 17 METERS)

CENTER OF TANK

LATITUDE: 39.567596 LONGITUDE: -80.927560 (NAD 83) LATITUDE: 39.567519 LONGITUDE: -80.927732 (NAD 27) N 4379768.88 E 506222.31 (UTM ZONE 17 METERS)

CENTROID OF PAD

LATITUDE: 39.568236 LONGITUDE: -80.929963 (NAD 83)

LATITUDE: 39.568160 LONGITUDE: -80.930136 (NAD 27)

N 4379839.81 E 506015.81 (UTM ZONE 17 METERS)

GENERAL DESCRIPTION:

THE ACCESS ROAD(S), WATER CONTAINMENT PAD, AND WELL PAD HAVE BEEN CONSTRUCTED TO AID IN THE DEVELOPMENT OF INDIVIDUAL MARCELLUS SHALE GAS WELLS.

FLOODPLAIN NOTES

THE SITE IS LOCATED WITHIN FEMA FLOOD ZONE "X" PER FEMA FLOOD MAP #54095C0035C.

MISS UTILITY STATEMENT:
ANTERO RESOURCES CORPORATION HAS NOTIFIED MISS UTILITY OF WEST VIRGINIA FOR THE LOCATING OF
UTILITIES PRIOR TO THIS PROJECT DESIGN. IN ADDITION, MISS UTILITY HAS BEEN CONTACTED BY THE
CONTRACTOR PRIOR TO THE START OF CONSTRUCTION FOR THIS PROJECT.

ENTRANCE PERMIT:

ANTERO RESOURCES CORPORATION HAS OBTAINED AN ENCROACHMENT PERMIT (FORM MM-109) FROM THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS, PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES.

ENVIRONMENTAL NOTES:
STREAM AND WETLAND DELINEATIONS WERE PERFORMED IN OCTOBER 2022 & APRIL 2023 BY ALLSTAR ECOLOGY TO REVIEW THE SITE FOR WATERS AND WETLANDS THAT ARE MOST LIKELY WITHIN THE REGULATORY PURVIEW OF THE U.S. ARMY CORPS OF ENGINEERS (USACE) AND/OR THE WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION (WYDEP). THE APRIL 13, 2023 DELINEATION WATERS MAP WAS PREPARED BY ALLSTAR ECOLOGY AND SUMMARIZES THE RESULTS OF THE FIELD DELINEATION. THE MAP DOES NOT, IN ANY WAY, REPRESENT A JURISDICTIONAL DETERMINATION OF THE LANDWARD LIMITS OF WATERS AND WETLANDS WHICH MAY BE REGULATED BY THE USACE OR THE WYDEP.

GEOTECHNICAL NOTES:

A SUBSURFACE INVESTIGATION OF THE SITE WAS PERFORMED BY PENNSYLVANIA SOIL & ROCK, INC. ON SEPTEMBER 6-15, 2022. THE REPORT PREPARED BY PENNSYLVANIA SOIL & ROCK, INC. DATED OCTOBER 13, 2023, & REVISED DECEMBER 8, 2023, REFLECTS THE RESULTS OF THE SUBSURFACE INVESTIGATION. THE INFORMATION AND RECOMMENDATIONS CONTAINED IN THIS REPORT WERE USED IN THE PREPARATION OF THESE PLANS. PLEASE REFER TO THE SUBSURFACE INVESTIGATION REPORT BY PENNSYLVANIA SOIL & ROCK, INC. FOR ADDITIONAL INFORMATION, AS NEEDED.

PROJECT CONTACTS:

OPERATOR: ANTERO RESOURCES CORPORATION 535 WHITE OAKS BLVD. BRIDGEPORT, WV 26330 PHONE: (304) 842-4100 FAX: (304) 842-4102

ELI WAGONER - ENVIRONMENTAL ENGINEER & REGULATORY MANAGER
OFFICE: (304) 842-4068 CELL: (304) 476-9770

JON McEVERS - SVP OPERATIONS OFFICE: (303) 357-6799

AARON KUNZLER - CONSTRUCTION MANAGER

OFFICE: (304) 842-4191

ROBERT WIRKS - DESIGN MANAGER
OFFICE: (304) 842-4100 CELL: (304) 627-7405

ROBERT EDDY - UTILITY COORDINATOR

CELL: (304) 719-5199

MIKE YOUNG - LAND AGENT CELL: (740) 637-5841

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

MANAGER/ENGINEER
OFFICE: (888) 662-4185 CELL: (540) 686-6747

ENVIRONMENTAL: ALLSTAR ECOLOGY, LLC RYAN L. WARD - ENVIRONMENTAL SCIENTIST (866) 213-2666 CELL: (304) 692-7477

GEOTECHNICAL:
PENNSYLVANIA SOIL & ROCK, INC.
CHRISTOPHER W. SAMIOS - PROJECT ENGINEER

(412) 372-4000 CELL: (412) 589-0662

NOTES

- ALL BMP'S MUST REMAIN IN PLACE AND FUNCTIONAL UNTIL ALL AREAS WITHIN THE LIMIT OF DISTURBANCE ARE COMPLETE AND PERMANENTLY STABILIZED. MAINTENANCE MUST INCLUDE INSPECTION OF ALL EROSION AND SEDIMENT CONTROLS AFTER EACH RUNOFF EVENT IN EXCESS OF 0.5° AND ON A BIWEEKLY BASIS.
- THE CONSTRUCTION SITE SHOULD BE STABILIZED AS SOON AS POSSIBLE AFTER COMPLETION. ESTABLISHMENT OF FINAL STABILIZATION MUST BE INITIATED NO LATER THAN 7 DAYS AFTER REACHING FINAL GRADE. FINAL STABILIZATION MEANS THAT ALL SOIL-DISTURBING ACTIVITIES ARE COMPLETED, AND THAT EITHER A PERMANENT VEGETATIVE COVER WITH A DENSITY OF 70% OR GREATER HAS BEEN ESTABLISHED OR THAT THE SURFACE HAS BEEN STABILIZED BY HARD COVER SUCH AS PAVEMENT OR BUILDINGS. IT SHOULD BE NOTED THAT THE 70% REQUIREMENT REFERS TO THE TOTAL AREA VEGETATED AND NOT JUST A PERCENT OF THE SITE.
- ALL PERMANENT SEDIMENT CONTROL MEASURES CAN BE REMOVED AFTER THE SITE IS PERMANENTLY STABILIZED AND APPROVAL IS RECEIVED FROM THE WVDEP.
- ANY AREAS DISTURBED BY REMOVAL OF CONTROLS SHALL BE REPAIRED, STABILIZED, AND
- THE AS-BUILT INFORMATION SHOWN HEREON REFLECTS FIELD DATA COLLECTED RELATING TO THE FINAL GRADING OF THE DISTURBED AREA AS OF OCTOBER 04, 2024. NAVITUS ENGINEERING IS NOT RESPONSIBLE FOR ANY CHANGES MADE TO THE SITE AFTER THE ABOVE MENTIONED DATES.
- THE EXISTING CONTAINMENT BERM AROUND THE WELL PAD SHALL BE REPAIRED AS NECESSARY TO ENSURE 100% CONTAINMENT OF ALL FLUIDS PRIOR TO DRILLING OPERATIONS
- THE EXISTING EGRESSES TO THE WELL PAD SHALL HAVE THE MOUNTABLE BERMS REPAIRED AS NECESSARY TO ENSURE 100% CONTAINMENT OF ALL FLUIDS PRIOR TO DRILLING OPERATIONS.

REPRODUCTION NOTE

THESE PLANS WERE CREATED TO BE PLOTTED ON 22"X34" (ANSI D) PAPER. HALF SCALE DRAWINGS ARE ON 11"X17" (ANSI B) PAPER.

THESE PLANS WERE CREATED FOR COLOR PLOTTING AND ANY REPRODUCTIONS IN GRAY SCALE OR COLOR MAY RESULT IN A LOSS OF INFORMATION AND SHOULD NOT BE USED FOR CONSTRUCTION PURPOSES.

STARKEY WELL PAD & WATE

AS-BUILT EROSION CONTROL IMPROVE

LINCOLN DISTRICT, TYLER COUN POINT PLEASANT CITY WA

PADEN CITY USGS 7.5 QU



SCALE: = 2000

WEST VIRGINIA COUNTY MAP



(NOT TO SCALE)

AS-BUILT CERTIFICATIONS:
THE DRAWINGS, CONSTRUCTION NOTES, AND
REFFRENCE DIAGRAMS ATTACHED HERETO HAVE
BEEN PREPARED IN ACCORDANCE WITH THE
WEST VIRGINIA CODE OF STATE RULES, DIVISION
OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL
AND CAS CRS 25-8 AND GAS CRS 35-8

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!!

Stream and Impact Caus CEC Stream 59 (County Road

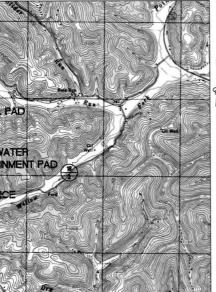
CEC We

IMPACTS

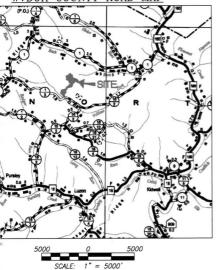
R CONTAINMENT PAD **SEDIMENT** IENT PLANS

, WEST VIRGINIA ERSHED





WVDOH COUNTY ROAD MAP



SHOWN BELOW WERE PERMITTED SEPARATELY UNDER KEY RIDGE/WILLOW FORK/BUCK RUN ROAD KENT PROJECT LRH-2022-894-OHR-UT TO WILLOW FORK

NTERMI	TENT STREAM	M IMPACT (LINEAR	FEET)	
acts				
Outlets res (LF)	Permanent Impact (LF)	Cofferdam/ E&S Controls (LF)	Distance To L.O.D. (LF)	Total Temp. Impact (LF)
,	21	0	0	0

ITY ROAD UPGRADE WETLAND IMPACT (SQUARE FEET)					
and Impact Cause	Fill (SF)	Total Impact (SF)	Total Impact (AC)		
and_Q (County Road Upgrade)	270	270	0.006		

SHEET INDEX:

1 - COVER SHEET

2 - LEGEND

3 - OVERALL PLAN SHEET INDEX

4-5 - ACCESS ROAD AS-BUILT PLAN

6 - WELL PAD & WATER CONTAINMENT PAD AS-BUILT PLAN

7-8 - ACCESS ROAD AS-BUILT PROFILES

9 - WELL PAD AS-BUILT SECTIONS

10 - WATER CONTAINMENT PAD & STOCKPILE AS-BUILT SECTIONS

STAFIKEY LIMITS OF DISTURBANCE AF	REA (AC)
Total Site	
Access Road "A" (2708')	10.20
Access Road "B" (675')	1.61
Well Pad	14.87
Water Containment Pad	4.57
Excess/Topsoil Material Stockpiles	4.02
Total Affected Area	35.27
Total Wooded Acres Disturbed	0.00
Impacts to Robert F. & Rita K. Scardina	
Access Road "A" (1125')	4.52
Excess/Topsoil Material Stockpiles	3.96
Total Affected Area	8.48
Total Wooded Acres Disturbed	0.00
Impacts to Robert F. & Rita K. Scardina	TM 5-11
Access Road "A" (1358')	5.68
Well Pad	7.85
Water Containment Pad	0.72
Excess/Topsoil Material Stockpiles	0.06
Total Affected Area	14.31
Total Wooded Acres Disturbed	0.00
Impacts to Robert F. & Rita K. Scardina	TM 5-10
Water Containment Pad	0.84
Total Affected Area	0.84
Total Wooded Acres Disturbed	0.00
Impacts to Robert F. & Rita K. Scardina	TM 5-12
Well Pad	0.62
Water Containment Pad	3.01
Total Affected Area	3.63
Total Wooded Acres Disturbed	0.00
Impacts to Neil R. Stebbins TM 5-	9.4
Access Road "B" (675')	1.61
Well Pad	6.40
Total Affected Area	8.01
Total Wooded Acres Disturbed	0.00

Well Name	NAD 27	NAD 27 Lat & Long	(METERS) ZONE 17	NAD 83 Lat & Long		
	Permitted Location					
IVORY	N 392422.38	LAT 39-34-07.0007	N 4379889.87	LAT 39-34-07.2759		
UNIT 1H	E 1596694.18	LONG -80-55-50.4683	E 505968.55	LONG -80-55-49.8462		
IVORY	N 392410.16	LAT 39-34-06.8813	N 4379886.19	LAT 39-34-07.1564		
UNIT 2H	E 1596702.87	LONG -80-55-50.3549	E 505971.26	LONG -80-55-49.7327		
MAGNOLIA	N 392397.93	LAT 39-34-06.7618	N 4379882.51	LAT 39-34-07.0370		
UNIT 1H	E 1596711.56	LONG -80-55-50.2414	E 505973.97	LONG -80-55-49.6193		
MAGNOLIA	N 392385.71	LAT 39-34-06.6423	N 4379878.83	LAT 39-34-06.9175		
UNIT 2H	E 1596720.25	LONG -80-55-50.1280	E 505976.68	LONG -80-55-49.5058		
ELEXA	N 392373.48	LAT 39-34-06.5229	N 4379875.15	LAT 39-34-06.7981		
UNIT 1H	E 1596728.94	LONG -80-55-50.0145	E 505979.39	LONG -80-55-49.3924		
ELEXA	N 392361.25	LAT 39-34-06.4034	N 4379871.47	LAT 39-34-06.6786		
UNIT 2H	E 1596737.63	LONG -80-55-49.9011	E 505982.10	LONG -80-55-49.2789		
ELEANOR	N 392065.96	LAT 39-34-03.5136	N 4379782.42	LAT 39-34-03.7889		
UNIT 1H	E 1596918.32	LONG -80-55-47.5339	E 506038.65	LONG -80-55-46.9118		
ELEANOR	N 392075.10	LAT 39-34-03.6058	N 4379785.27	LAT 39-34-03.8810		
UNIT 2H	E 1596930.22	LONG -80-55-47.3839	E 506042.23	LONG -80-55-46.7618		
IZABELA	N 392084.23	LAT 39-34-03.6979	N 4379788.11	LAT 39-34-03.9732		
UNIT 1H	E 1596942.11	LONG -80-55-47.2338	E 506045.81	LONG -80-55-46.6117		
IZABELA	N 392093.37	LAT 39-34-03.7901	N 4379790.95	LAT 39-34-04.0653		
UNIT 2H	E 1596954.01	LONG -80-55-47.0838	E 506049.38	LONG -80-55-46.4617		
GREY	N 392102.51	LAT 39-34-03.8822	N 4379793.80	LAT 39-34-04.1575		
UNIT 1H	E 1596965.90	LONG -80-55-46.9338	E 506052.96	LONG -80-55-46.3116		
GREY	N 392111.64	LAT 39-34-03.9744	N 4379796.64	LAT 39-34-04.2497		
UNIT 2H	E 1596977.80	LONG -80-55-46.7837	E 506056.54	LONG -80-55-46.1616		
STARKEY	N 392301.06	LAT 39-34-05.8300	N 4379853.82	LAT 39-34-06.1052		
UNIT 5V	E 1596874.24	LONG -80-55-48.1445	E 506024.03	LONG -80-55-47.5223		
Proposed Well F	ad Elevation	1.091.0				

	STARKE	EPHEMERAL ST	REAM IMPACT	(LINEAR FEET)		
Stream and Impact Cause	Permanent Impacts		Total	Temp. Impacts		
	Culvert/ Fill (LF)	Inlets/Outlets Structures (LF)	Permanent Impact (LF)	Cofferdam/ E&S Controls (LF)	Distance To L.O.D. (LF)	Total Temp. Impact (LF)
ASE Stream 01 (Well Pad)	0	0	0	16	4	20
ASE Stream 06 (Well Pad)	88	0	88	32	5	37
ASE Stream 11 (Access Road)	7	18	25	0	16	16
ASE Stream 15 (Well Pad)	0	0	0	29	5	34
ASE Stream 16 (Well Pad)	0	0	0	14	12	26
ASE Stream 23 (Well Pad)	0	0	0	30	17	47
ASE Stream 27 (Access Road)	0	12	12	0	30	30

	STARKEY	INTERMITTENT S	TREAM IMPAC	T (LINEAR FEET)		
Stream and Impact Cause	Permanent Impacts		Total	Temp. In		
	Culvert / Fill (LF)	Inlets/Outlets Structures (LF)	Permanent Impact (LF)	Cofferdam/ E&S Controls (LF)	Distance To L.O.D. (LF)	Total Temp. Impact (LF)
ASE_Stream_36 (Well Pad)	93	0	93	18	6	24
ASE_Stream_14 (Well Pad)	32	0	32	26	9	35
ASE_Stream_26 (Access Road)	43	0	43	36	19	55

STARKEY WETLAND IMPACT (SQUARE FEET)						
Wetland and Impact Cause	Fill (SF)	Total Impact (SF)	Total Impact (AC)			
CEC_Wetland_Q (Access Road)	40	40	0.001			
ASE_Wetland_04 (Access Road)	2,445	2,445	0.056			
ASE Wetland 05 (Well Pad)	99	99	0.002			

NAV TU ENERGY ENGINEERING

_	_	_	_	_	_	_	_
	WELLS						
	N						
REVISION	PHASE						
	PER						
	REVISED PER PHASE 2 WELLS						
DATE	01/27/2025						
\blacksquare							



THIS DOCUMENT WAS PREPARED FOR: ANTERO RESOURCES CORPORATION

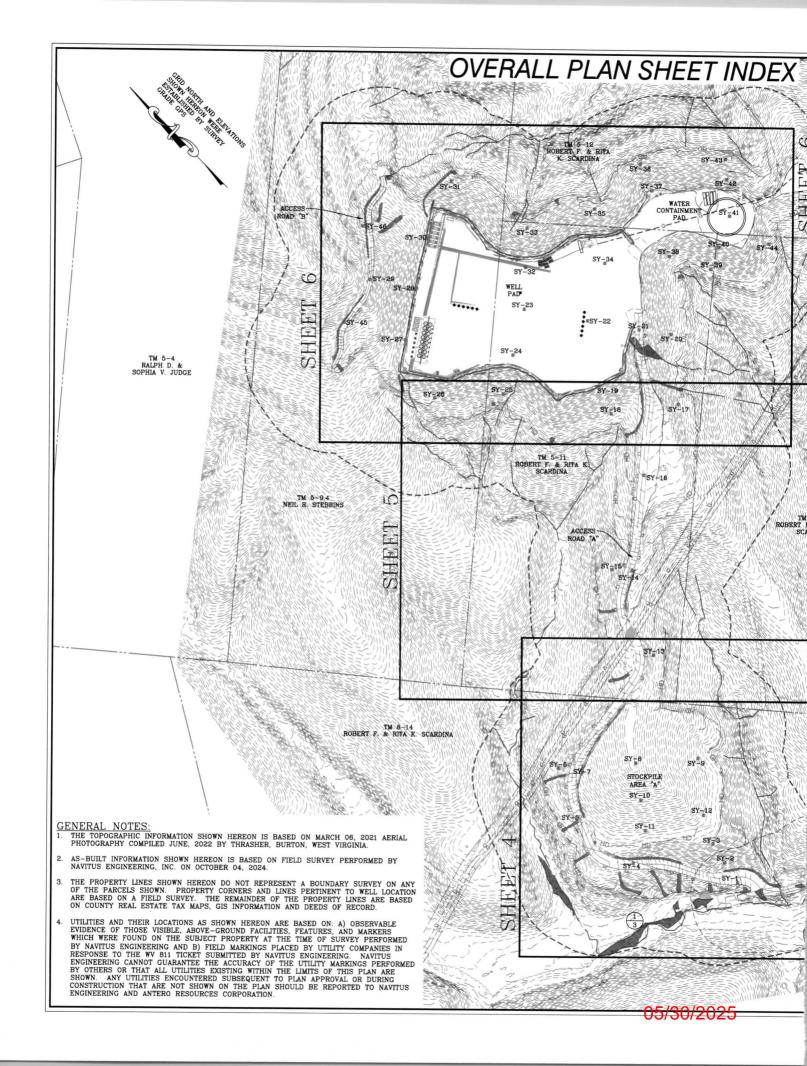
WELL PAD & WATER CONTAINMENT PAD LINCOLN DISTRICT TYLER COUNTY, WEST VIRGINIA STARKEY

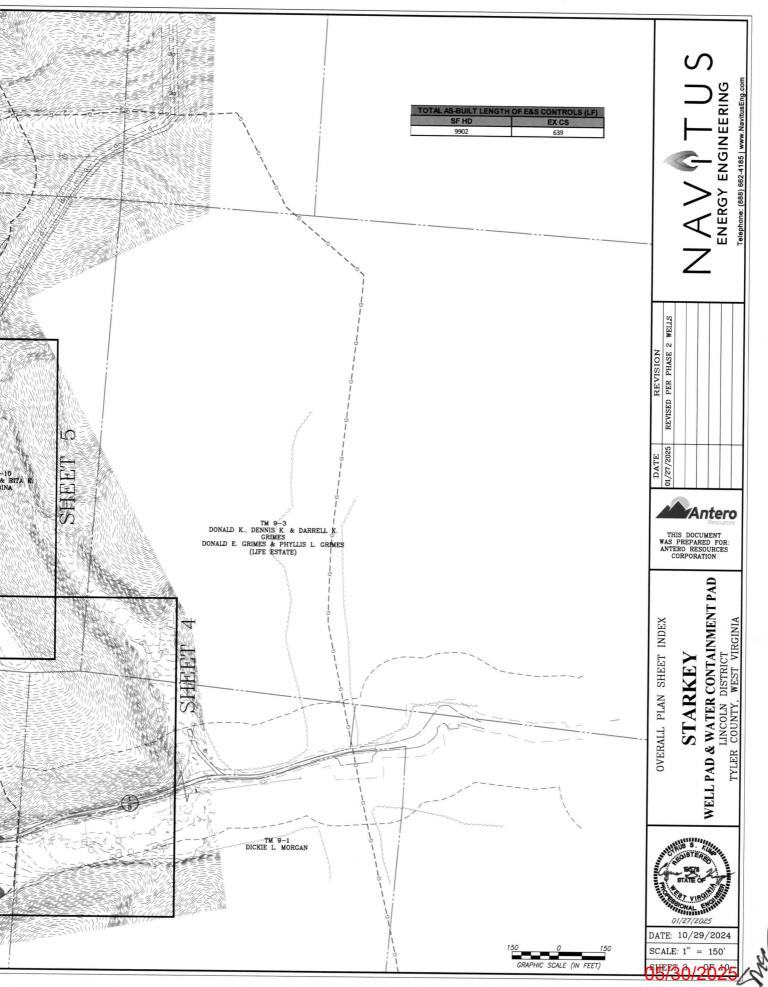
COVER SHEET



DATE: 10/29/2024 SCALE: AS SHOWN OF 10

SHEET 1





Silve Silve