

west virginia department of environmental protection

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

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

Wednesday, November 10, 2021 WELL WORK PERMIT Horizontal 6A / New Drill

ANTERO RESOURCES CORPORATION 1615 WYNKOOP STREET DENVER, CO 80202

Re: Permit approval for EARL UNIT 1H

47-085-10414-00-00

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

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

Per 35 CSR 4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926-0450.

James A. Martin

Chief

Operator's Well Number: EARL UNIT 1H

Farm Name: DAVID W & DAVID MARTIN

U.S. WELL NUMBER: 47-085-10414-00-00

Horizontal 6A New Drill Date Issued: 11/10/2021

API Number:	

PERMIT CONDITIONS

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

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- 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.

API NO. 47- ⁰⁸⁵	10414
OPERATOR WELL	NO. Earl Unit 1H
Well Pad Name:	

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

1) Well Operat	tor: Antero Re	esources	Corporat	4945	07062	085-Ritchie	Union	Pullman/Oxford7.
•					rator ID	County	District	Quadrangle
2) Operator's V	Well Number: E	Earl Unit	1H _		Well Pad	Name: Week	ley West P	Pad Pad
3) Farm Name	/Surface Owner	Antero Res	ources Corpo	oration	Public Road	d Access: Co	Rd 22/3	
4) Elevation, c	urrent ground:	1,138'	Ele	evatio	n, proposed j	post-constructi	on: 1,125	ı
5) Well Type	(a) Gas X Other		Oil		Unde	erground Storag	ge	
	(b)If Gas S	hallow orizontal	X		_ Deep			
6) Existing Pac	d: Yes or No N				<u> </u>			
	arget Formation Shale, 7,000 T							#/
8) Proposed To	otal Vertical De	pth: 7,00	0'		_	···-		
	t Total Vertical		Marcellu	ıs ′				
10) Proposed T	Cotal Measured	Depth:	9,000'					
11) Proposed F	Horizontal Leg 1	Length: 2	2,402'					
12) Approxima	ite Fresh Water	Strata Dep	oths:	258'	, 330', 478	8'		
13) Method to	Determine Fres	h Water D	epths: Re	eference we	lls 08508569, 085085	8, 08508582 Depths have I	peen adjusted accord	ling to surface elevations
14) Approxima	ite Saltwater De	pths: <u>1,0</u>	15' (refe	rence	well 08503	3139), 1,976' (reference	well 08507618)
15) Approxima	ite Coal Seam I	Depths: 73	34' (refer	ence v	well 085076	618), 1,495' (r	eference w	vell 08503139)
16) Approxima	te Depth to Pos	sible Void	l (coal mi	ne, ka	st, other):	None anticip	ated	
17) Does Propo directly overlyi	osed well location				/es	No	X	
(a) If Yes, pro	ovide Mine Info	: Name:						
,		Depth:					F Office	RECEIVED of Oil and Gas
		Seam:			-			T 0 8 2021
		Owner	•				W	Department of
								mental Protection

API NO. 47-085 - 10414

OPERATOR WELL NO. Earl Unit 1H
Well Pad Name: Weekley West Pad

18)

CASING AND TUBING PROGRAM

TYPE	Size (in)	New or Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling (ft)	INTERVALS: Left in Well (ft)	CEMENT: Fill-up (Cu. Ft.)/CTS
Conductor	20"	New	H-40	94#	80	80	CTS, 218 Cu. Ft.
Fresh Water	13-3/8	New	J-55	54.5#	528	528	CTS, 477 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#	9,000	9,000	CTS, 1896 Cu. Ft.
Tubing	2-3/8	New	N-80	4.7#			
Liners							

Deyen Harin , 10-13-21

ТҮРЕ	Size (in)	Wellbore Diameter (in)	Wall Thickness (in)	Burst Pressure (psi)	Anticipated Max. Internal Pressure (psi)	Cement Type	Cement Yield (cu. ft./k)
Conductor	20"	24"	0.438"	1530	50	Class A	~1.18
Fresh Water	13-3/8	17-1/2"	0.380"	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	8-3/8"& 8-1/2"	0.415"	12,630	9300		
Tubing	2-3/8	4.778"	0.190"	11,200		Lead-H POZ & Tali-H	H/POZ-1.44 & H-1.8
Liners							

PACKERS

Kind:	N/A	Office of Oil and Gas
Sizes:	N/A	OCT 18 202
Depths Set:	N/A	WV Department of Environmental Protection

WW-6B
(10/14)

API NO. 47- 085 - 10414

OPERATOR WELL NO. Earl Unit 1H

Well Pad Name: Weekley West 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.
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): 58.63
22) Area to be disturbed for well pad only, less access road (acres): 8.23
23) Describe centralizer placement for each casing string:
Conductor: No centralizers. Surface Casing: One centralizer 10' above the float shoe and one every 4th joint spaced up the hole to surface. Intermediate Casing: One centralizer above float joint, one centralizer 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 Casing: Class A cement with 2-3% calcium chloride and 1/4 lb of flake. Intermediate Casing: Class A cement with 1/4 lb of flake, 5 gallons of clay treat. Production Casing 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 Casing Tail Cement: Class H + 45 PPS Calcium Carbonate + 1.0% Flake + 0.2% ACGB-47 + 0.05% ACSA-51 + 0.2% ACR-20.
25) Proposed borehole conditioning procedures:
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*Note: Attach additional sheets as needed.



Weekley West Pad

- O Weekley West Unit 5H
 - O Sandy Unit 1H
 - O Earl Unit 2H
 - Carl Unit 1H
 - Maxson Unit 2H
 - Maxson Unit 1H
 - O Gander Unit 1H

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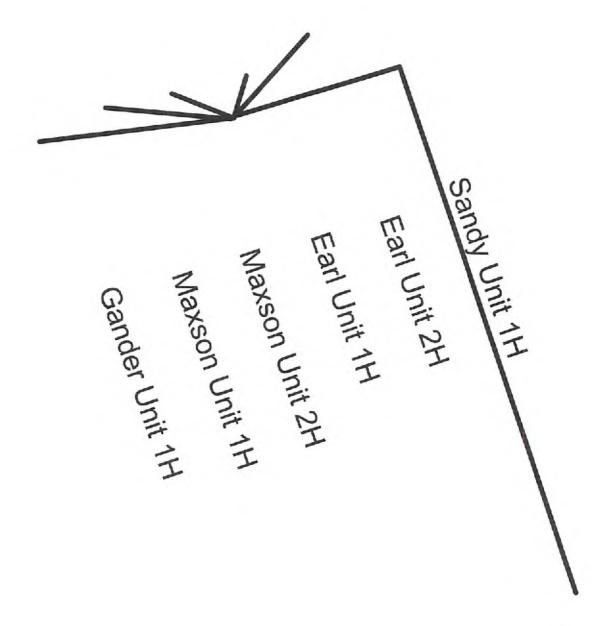


Updated: 9/27/202

NOT-141262021



Weekley West - Lateral Diagram

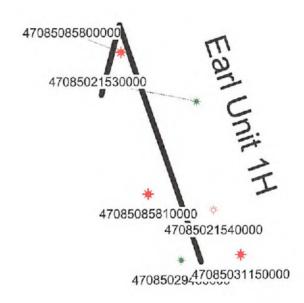


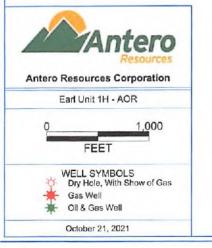
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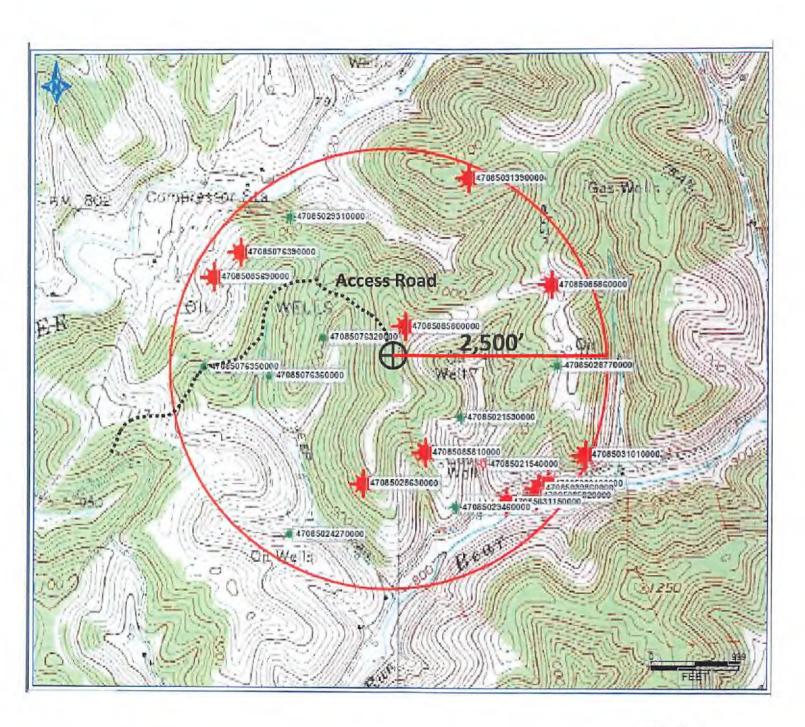






Earl Unit 1H - AOR

UWI (APINum)	Well Name	Well Number	Operator	Historical Operator	TD	Perforated Interval (shallowest, deepest)	Perforated Formation(s)	Producible Formation(s) not perf'd
47085029460000	EARL PIERCE	3	RITCHIE PET CORP	OIL STATES SALES	2,015	Unknown	Big Injun	Warren, Speechly, Balltown, Riley, Alexander, Benson
47085031150000		2	R & R OIL & GAS LLC	OIL STATES SALES	1,859	Unknown		Warren, Speechly, Balltown, Riley, Alexander, Benson
47085021540000		2	HEASTER PAUL ET AL	HEASTER PAUL ET AL	1,836	Unknown	Little Lime	Warren, Speechly, Balltown, Riley, Alexander, Benson
47085085810000		2	KEY OIL CO	KEY OIL INC	5,385	3299 - 5095	Warren, Speechly, Balltown, Riley, Alexander, Benson	Gordon, Berea
47085021530000		1	RITCHIE PET CORP	HEASTER PAUL ET AL	1,960	Unknown	Big Injun	Warren, Speechly, Balltown, Riley, Alexander, Benson
47085085800000		1	KEY OIL CO	KEY OIL INC	5,438	3448 - 5250	Warren, Speechly, Balltown, Riley, Alexander, Benson	Gordon, Berea



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API Number 47 - 095 10414

Operator's Well No. Fart 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) South Fork Hughes Creek	Quadrangle Pullman 7.5'/Oxford 7.5'
Do you anticipate using more than 5,000 bbls of water to comple	
Will a pit be used? Yes No ✓)
If so, please describe anticipated pit waste: No sit will be use	od at this site (Drilling and Flowback Fluids will be stored in tanks, Cuttings will be tanked and hauted off site.)
Will a synthetic liner be used in the pit? Yes	No If so, what ml.? N/A
Proposed Disposal Method For Treated Pit Wastes:	
Land Application	
	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)
Other (Explain	Northwestern Landfill Permit #SWF-1032-98) WV0109410
Will closed loop system be used? If so, describe: Yes, fluids sto	red in tanks, cuttings removed offsite and taken to landfill.
Drilling medium anticipated for this well (vertical and horizontal	Shufface - Auf Treshwater, Intermediate - Dust/Stuff Foarm, Production - Water Based Mud or Swither Cased Mud or Swither Cased Mud
-If oil based, what type? Synthetic, petroleum, etc. Syn	thetic
Additives to be used in drilling medium? Please See Attachment	
Drill cuttings disposal method? Leave in pit, landfill, removed o	ffsite, etc. Drill cuttings stored in tanks, removed offsite and taken to landfill.
-If left in pit and plan to solidify what medium will be u	sed? (cement, lime, sawdust) N/A
	fill (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.	s of any load of drill cuttings or associated waste rejected at any vithin 24 hours of rejection and the permittee shall also disclose
on August 1, 2005, by the Office of Oil and Gas of the West Virg provisions of the permit are enforceable by law. Violations of a 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	nditions 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 ite, accurate, and complete. I am aware that there are significant try of fine or imprisonment.
Company Official Signature Gretchen Kohler	Office of Oil and Gas
Company Official (Typed Name) Gretchen Kohler	OCT 0 8 2021
Company Official Title Director, Environmental and Regulatory Co	
Subscribed and sworn before me this 5th day of	October, 2021
My commission expires 27 Apr 2021	DIANE BLAIR Notary Public NOTARY PUBLIC STATE OF COLORADO NOTARY ID 19994011871 MY GOMMISSION EXPIRES 27-Apr-202

Form WW-9 Operator's Well No. Earl Unit 1H Antero Resources Corporation Proposed Revegetation Treatment: Acres Disturbed 51.65 acres Prevegetation pH Tons/acre or to correct to pH 6.5 Lime 2-4 Fertilizer type Hay or straw or Wood Fiber (will be used where needed) Fertilizer amount 500 Mulch 2-3 Tons/acre Access Road "A" (9.18 acres) + Access Road "B" (2.59 acres) + Staging Area (0.41) + Well Pad (13.44 acres) + Excess/Topsoil Material Stockpiles (26.03 acres) - 51.65 Acres Seed Mixtures Permanent Temporary lbs/acre Seed Type lbs/acre Seed Type 10-15 Crownvetch Annual Ryegrass 40 30 Tall Fescue Field Bromegrass 40 See attached Table IV-3 for additional seed type (Margery Pad Design) See attached Table IV-4A for additional seed type (Margery Pad Design) *or type of grass seed requested by surface owner *or type of grass seed requested by surface owner Attach: Maps(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided). If water from the pit will be land applied, include dimensions (L x W x D) of the pit, and dimensions (L x W), and area in acreage, of the land application area. Photocopied section of involved 7.5' topographic sheet. Buyen Ha Plan Approved by: Comments: RECEIVE. Office of O WY Department Environmenta-Field Reviewed?) Yes

Form WW-9 Additives Attachment

SURFACE INTERVAL

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

INTERMEDIATE INTERVAL

STIFF FOAM RECIPE:

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

PRODUCTION INTERVAL

1. Alpha 1655

Salt Inhibitor

2. Mil-Carb

Calcium Carbonate

3. Cottonseed Hulls

Cellulose-Cottonseed Pellets - LCM

4. Mil-Seal

Vegetable, Cotton & Cellulose-Based Fiber Blend – LCM

5. Clay-Trol

Amine Acid Complex – Shale Stabilizer

6. Xan-Plex

Viscosifier For Water Based Muds

7. Mil-Pac (All Grades)

Sodium Carboxymethylcellulose - Filtration Control Agent

8. New Drill

Anionic Polyacrylamide Copolymer Emulsion - Shale Stabilizer

9. Caustic Soda

Sodium Hydroxide - Alkalinity Control

10. Mil-Lime

Calcium Hydroxide - Lime

11. LD-9

Polyether Polyol - Drilling Fluid Defoamer

12. Mil Mica

Hydro-Biotite Mica – LCM

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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ANTI-COLLISION

1. Definitions

Center to Center Distance (C-C): The measured distance [ft] between two wellbore centers at a given point; measured along the axis of closest approach to the offset wellbore's center.

Ellipse of Uncertainty: A volume used to indicate the possible magnitude of a wellbore's position at a given depth based on the accuracy of the surveying tools used.

Distance between Ellipsoids: The measured distance [ft] between the edges of the generated ellipses of uncertainty for the reference well and offset well.

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Separation Ratio (SR) Anti Collision Rules:

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• $SR = \frac{C - C Distance}{C - C Distance - Distance between Elipsoids}$

A Separation Ratio is a purely mathematical concept that supposes that the closest distance between two ellipsoids of uncertainty whose major or minor axes are not parallel can be determined by ordinary Calculus. The SR is a dimensionless number that can be used to determine the possible

uncertainty and not just c-c distance.

Separation Ratio SR ¹	Planning	Drilling
Less than 1.0	Consideration on a well by well basis	STOP AND REVIEW for HSE Risk then Follow collision risk procedures
Greater than or equal to 1.0, less than 1.5	OK	Follow collision risk procedures and monitor AC while drilling
Greater than 1.5	OK	Drill ahead, follow collision risk procedures

separation between wellbores, while accounting for their ellipsoids of

Rev.2; Date: 7/31/2017

2. Anti-Collision Guidelines

Collision risk procedures shall be followed whenever the SR is less than 1.5 anywhere along the well path to be drilled. A SR> 1.0 indicates no overlap of the ellipsoids and, therefore, no chance that the wells may intersect.

- Prior to drilling, the drilling consultant and directional drillers must verify
 that the well slot coordinates and surface elevations are correct, that the
 bottom hole targets and intended well profiles are correct, and that all survey
 data used for proximity calculations are the definitive data available at the
 time.
- During drilling operations, the directional drilling provider shall provide Antero Resources with up-to date survey printouts and horizontal and vertical plots as required.
- The directional drilling provider shall provide 24-hr watch when drilling operations are conducted with SR less than 1.5.
- The bottom-hole assembly should be designed so as to leave the shortest possible distance between the primary directional survey instrument and the drill bit to improve steering effectiveness. If a gyro is to be used for orientations and surveys, leaving out the M/LWD tools may be considered.
- Magnetic-based survey tools are not to be considered as the primary data source when drilling close to an adjacent cased well-bore due to the potential for magnetic interference. Data analysis will indicate a magnetic interference problem in most instances.
- For all gyro surveys anti-collision reports and summary detailing C-C distances and SR to be provided at each survey station and survey frequency to be determined on the case by case basis.
- It is required that proximity calculations be performed and updated at each survey point and/or at least every 90ft dependent on adjacent well proximity as long as the SR are greater than 1.5. When using gyro surveys and when the SR is less than 1.5 the surveys should be conducted every 30ft

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Rev.2; Date: 7/31/2017

Current Well is within the Critical Zone

The following actions should be performed if the current well has entered into an area where the SR is less than 2.0:

- Proximity calculations and projections should be performed at each survey point. 30ft interval close surveys should be used if the SR is less than 1.5, but should be considered anytime during this phase until the current well exits the critical zone.
- Drilling should proceed with caution to negate any potential damage in the event of contact.

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Rev.2; Date: 7/31/2017



911 Address 2635 Holbrook Road Pullman, WV 26451

Well Site Safety Plan Antero Resources

Bujen Ham' 10-13-21

Well Name: Earl Unit 1H, Earl Unit 2H, Maxson Unit 1H, Maxson Unit 2H, Gander Unit 1H, and Sandy Unit 1H

Pad Location: WEEKLEY WEST PAD

Ritchie County/Union District

GPS Coordinates:

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Entrance - Lat 39.165921'/ Long -80.887167 '(NAD83)

OCT 18 2021

Pad Center - Lat 39.169704'/ Long -80.875163' (NAD83)

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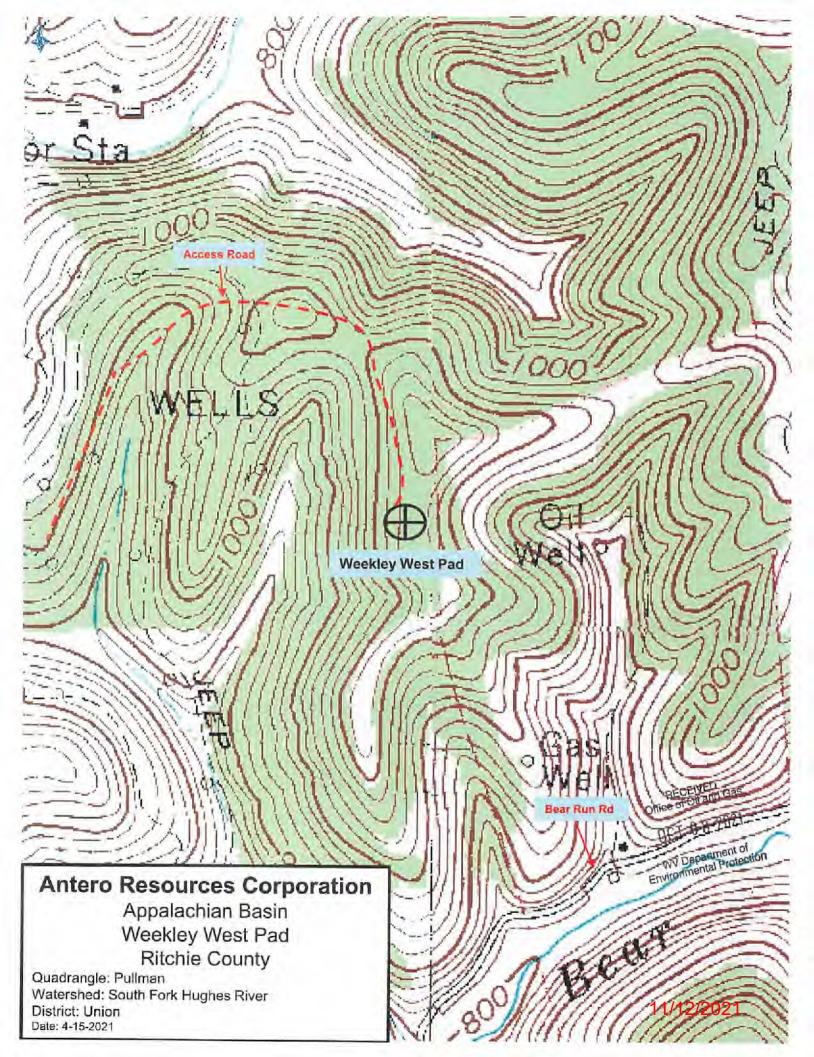
Driving Directions:

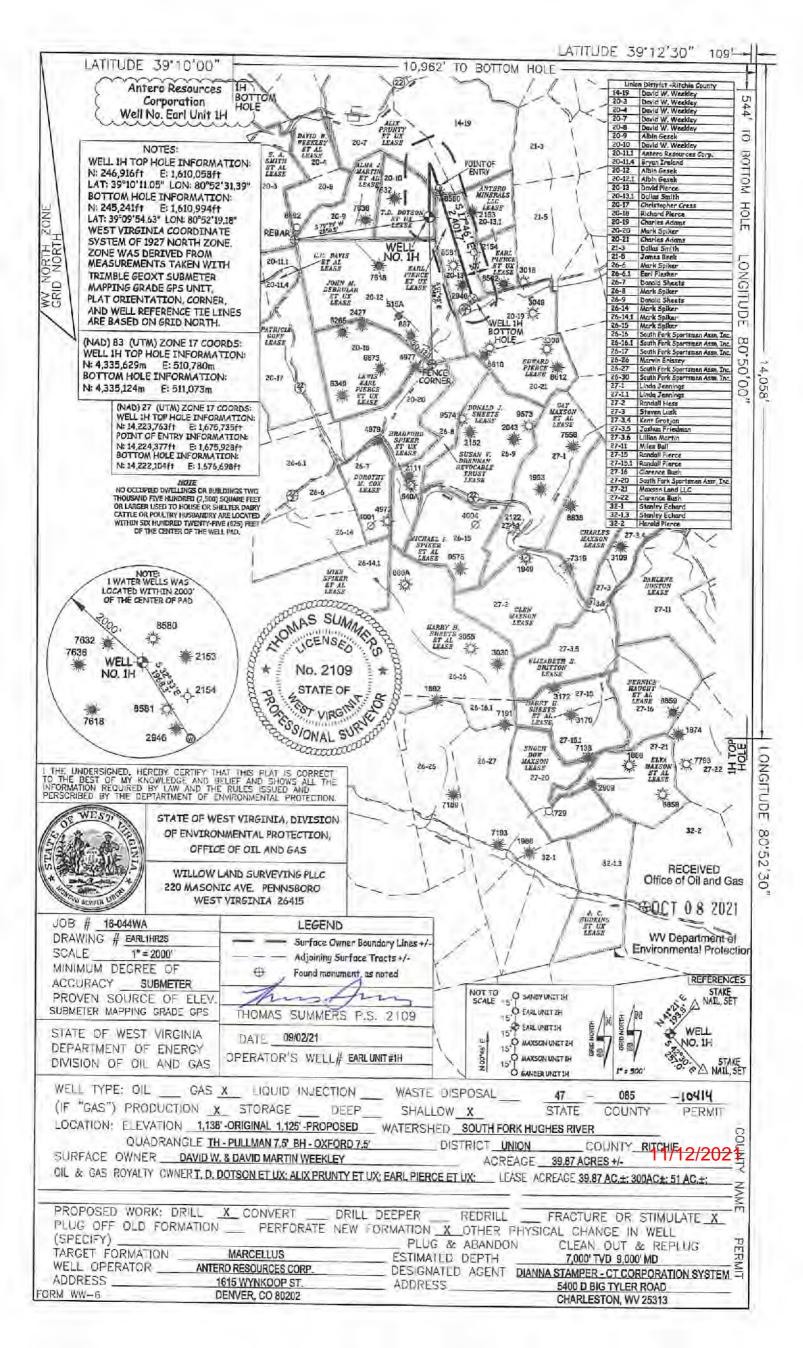
From Pullman: Head northeast on Main Street toward Ash Hill Street for 0.3 miles. Turn right onto Oxford Road for 2.5 miles. Slight right onto White Oak Road for 1.9 miles. Turn right onto CO Rd 22/3 for 0.5 miles. Lease road will be on your left.

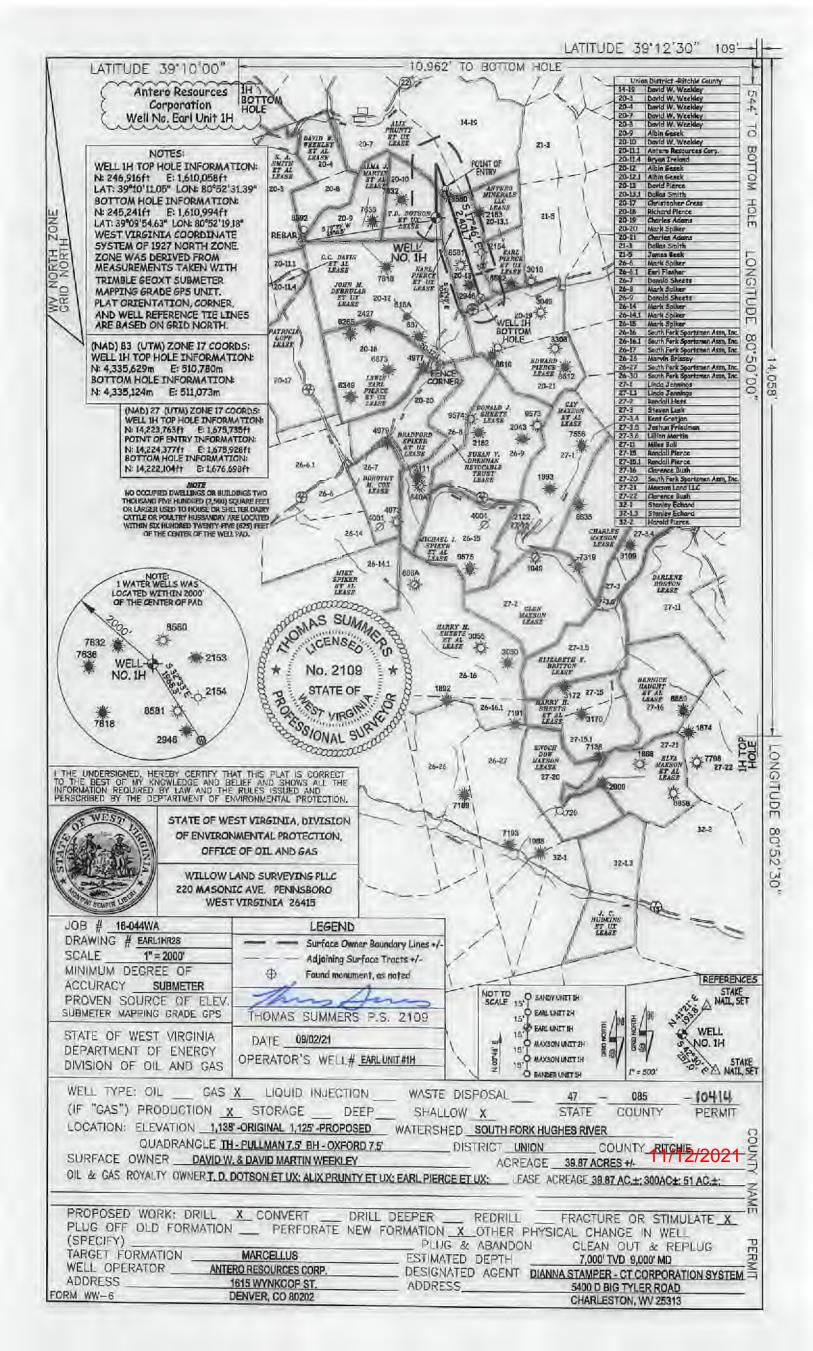
Alternate Route:

From Auburn: Head west onto Auburn Road/Main Street for 30 ft. Turn right onto Toll Gate Road for 0.3 miles. Continue onto Left Fork Bone Creek for 1.0 mile. Slight left onto CO Rd 7/13 for 1.7 miles. Continue straight onto Summer Road Brushy Fork for 1.7 miles. Continue straight onto CO Rd 22/3 for 3.8 miles. Lease road will be on your right.

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







Op	erato	r's \	Ν	ell	N	lum	ber
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Earl	Unit	11	⊦
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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
T.D. Dotson, et ux Lease			
T.D. Dotson, et ux	J.T. Carter	1/8	0011/0297
J.T. Carter	Carter Oil Company	Assignment	0011/0528
Carter Oil Company	Hope Construction and Refining Company	Assignment	0052/0194
Hope Construction and Refining Company	Hope Natural Gas Company	Merger	0111/0520
Hope Natural Gas Company	Consolidation Gas Supply Corporation	Conveyance	0151/0436
Consolidation Gas Supply Corporation	Consolidation Gas Transmission Corporation	Assignment	0169/0756
Consolidation Gas Transmission Corporation	CNG Development Company	Assignment	0176/0601
CNG Development Company	CNG Producing Company	Name Change	wvsos
CNG Producing Company	Dominion Exploration & Production, Inc.	Name Change	0058/0366
Dominion Exploration & Production, Inc.	Dominion Transmission, Inc.	Assignment	0251/0621
Dominion Transmission, Inc.	CONSOL Energy Holdings, LLC	Assignment	0251/0648
CONSOL Energy Holdings, LLC	Consol Gas Company	Merger	0006/0576
Consol Gas Company	CNX Gas Company, LLC	Merger	0006/0634
CNX Gas Company, LLC	Antero Resources Corporation	Assignment	0269/0429
Alix Prunty et ux Lease			
Alix Prunty and L.A. Prunty his wife	M.G. Zinn	1/8	0010/0422
M.G. Zinn	Carter Oil Company	Assignment	0012/0368
Carter Oil Company	Hope Construction and Refining Company	Assignment	0052/0194
Hope Construction and Refining Company	Consolidation Gas Supply Corporation	Conveyance	0151/0436
Consolidation Gas Supply Corporation	Consolidation Gas Transmission Corporation	Assignment	0169/0756
Consolidation Gas Transmission Corporation	CNG Transmission Corporation	Merger	wvsos
CNG Transmission Corporation	Antero Resources Appalachian Corporation	Assignment	0227/0130
Antero Resources Appalachian Corporation	Antero Resources Corporation	Name Change	0015/0705

RECEIVED
Office of Oil and Gas

OCT 08 2021

WV Department of Environmental Protection

W	W-6A1
(5	/13)

Operator's Well No.	Earl 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
Earl Pierce et ux				
	Earl Pierce and Florence R Peirce his wife	Harry Haddox and Harrold Haddox	1/8	0101/0347
	Harry Haddox and Harrold Haddox	George L Yaste DBA Oil State Sales Company	Assignment	0103/0241
	George L Yaste DBA Oil State Sales Company	D.L.Y., Inc	Assignment	0112/0302
	D.L.Y., Inc	Betty Jean Stalnaker and Rosalee Robert		
		DBA R & S Gas Company	Assignment	0132/0565
	Betty Jean Stalnaker and Rosalee Robert	The second secon		
	DBA R & S Gas Company	R & S Gas Company, a partnership	Assignment	0147/0548
	R & S Gas Company, a partnership	BET-RO Inc	Assignment	0147/0554
	BET-RO Inc	Key Oil Company	Assignment	0226/0547
	Key Oil Company	Antero Resources Appalachian Corporation	Assignment	0255/0547
	Antero Resources Appalachian Corporation	Antero Resources Corporation	Name Change	0015/0705

^{*}Partial Assignments to Antero Resources Corporation include 100% rights to extract, produce and market the oll and gas from the Marcellus and any other formations completed with this well.

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

RECEIVED Office of Oil and Gas

OCT 08 2021

WV Department of Environmental Protection

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
Ву:	Tim Rady
Its:	VP of Land



Antero Resources 1615 Wynkoop St. Denver, CO 80202 Office: 303.357.7310 Fax: 303.357.7315

October 1, 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: Earl Unit 1H

Quadrangle: Pullman 7.5'/Oxford 7.5' Ritchie County/Union District, West Virginia

Mr. Martin:

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

Sincerely,

Tyler Skavdahl

Landman

WW-6AC (1/12)

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

Date of Notic	ce Certification: 09/29/2021	A	NPI No. 47	_ 085 _ 1	0414
		C	perator's	Well No. Earl U	nit 1H
				ame: Weekle	
Notice has l					
	ne provisions in West Virginia Code tract of land as follows:	§ 22-6A, the Operator has provide	aea tne req	uirea parties w	in the Notice Forms listed
		F	Zantima.	510 790m	
State:	West Virginia		Easting: Northing:	510,780m 4,355,629m	
County:	Ritchie		_		
District:	Union	Public Road Acces		CO 22/3	selden 9 Devid M. Mashley
Quadrangle:	Pullman 7.5'/Oxford 7.5'	Generally used farm	m name:	David Martin VV	eekley & David W. Weekley
Watershed:	South Fork Hughes River				
information re of giving the requirements Virginia Code	ed the owners of the surface descri- equired by subsections (b) and (c), s surface owner notice of entry to s of subsection (b), section sixteen of e § 22-6A-11(b), the applicant shall have been completed by the applica	ection sixteen of this article; (ii) urvey pursuant to subsection (a) of this article were waived in w tender proof of and certify to the	that the reco, section to	quirement was en of this artic the surface ow	deemed satisfied as a result cle six-a; or (iii) the notice yner; and Pursuant to West
	West Virginia Code § 22-6A, the O rator has properly served the require		s Notice C	ertification	OOG OFFICE USE
*PLEASE CHE	CK ALL THAT APPLY				ONLY
☐ 1. NO1	FICE OF SEISMIC ACTIVITY or	NOTICE NOT REQUIRE SEISMIC ACTIVITY WAS			RECEIVED/ NOT REQUIRED
■ 2. NO	TICE OF ENTRY FOR PLAT SUR	VEY or D NO PLAT SURVEY	Y WAS CO	NDUCTED	☐ RECEIVED
■ 3. NO	TICE OF INTENT TO DRILL or	☐ NOTICE NOT REQUIRE NOTICE OF ENTRY FOR PLUAS CONDUCTED or			□ RECEIVED/ NOT REQUIRED
		☐ WRITTEN WAIVER BY (PLEASE ATTACH)	Y SURFAC	CE OWNER	
■ 4. NO	TICE OF PLANNED OPERATION				RECEIVED
5. PUE	BLIC NOTICE				☐ RECEIVED
■ 6. NOT	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.

WW-6AC (1/12)

				A
Certification	of Notice	15	herehy	GIVED.

THEREFORE, I 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 Address: 1615 Wynkoop Street

By: Diana Hoff Diana O. Hoff Denver, CO 80202
Its: Sr. VP of Operations Facsimile: 303-357-7315

Telephone: 304-842-4153 Email: mhamsher@anteroresources.com

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

Subscribed and sworn before me this 5th day of Octobor

Unanel Slair Notary Public

My Commission Expires 27 Apr 2024

Oil and Gas Privacy Notice:

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

WW-6A (9-13) API NO. 47- 085- 10414
OPERATOR WELL NO. Earl Ucit 1H
Well Pad Name: Weeklay West Pad

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

Noti	ce Time Requirement: notice shall be provided no later the	an the filing date of permit application.
Date	e of Notice: 10/04/2021 Date Permit Application Filed: 10	1202 /8/
Noti	ce of:	
V	PERMIT FOR ANY CERTIFICATE OF APP	PROVALEOR THE
پ		
	WELL WORK CONSTRUCTION OF A	AN IMPOUNDMENT OR PIT
Deliv	very method pursuant to West Virginia Code § 22-6A-10	O(b)
	PERSONAL REGISTERED METH	OD OF DELIVERY THAT REQUIRES A
	SERVICE MAIL RECE	IPT OR SIGNATURE CONFIRMATION
the storil are description of the storing of the st	urface of the tract on which the well is or is proposed to be located gas leasehold being developed by the proposed well work, it ribed in the erosion and sediment control plan submitted pursual ator or lessee, in the event the tract of land on which the well precoal seams; (4) The owners of record of the surface tract or trackwork, if the surface tract is to be used for the placement, construction on the placement or pit as described in section nine of this article; (5) A a water well, spring or water supply source located within one ide water for consumption by humans or domestic animals; and osed well work activity is to take place. (c)(1) If more than three ection (b) of this section hold interests in the lands, the applicants of the sheriff required to be maintained pursuant to section of this article to the contrary, notice to a lien holder is not	the well plat to each of the following persons: (1) The owners of record of ated; (2) The owners of record of the surface tract or tracts overlying the f the surface tract is to be used for roads or other land disturbance as ant to subsection (c), section seven of this article; (3) The coal owner, roposed to be drilled is located [sic] is known to be underlain by one or acts overlying the oil and gas leasehold being developed by the proposed ruction, enlargement, alteration, repair, removal or abandonment of any Any surface owner or water purveyor who is known to the applicant to thousand five hundred feet of the center of the well pad which is used to d (6) The operator of any natural gas storage field within which the se tenants in common or other co-owners of interests described in the may serve the documents required upon the person described in the eight, article one, chapter eleven-a of this code. (2) Notwithstanding any motice to a landowner, unless the lien holder is the landowner. W. Va. rovide the Well Site Safety Plan ("WSSP") to the surface owner and any as provided in section 15 of this rule.
	pplication Notice	·
⊿ SU	JRFACE OWNER(s)	□ COAL OWNER OR LESSEE
– Namo	e: David Martin Weekley & David W. Weekley	Name: No Decisrations on Record with County
Addr	ress: 987 Middle Island Creek Road	Address:
	St. Marys, WV 26170	
Nam		COAL OPERATOR
Addr	ress: 715 Pleasant Hollow Road	Name: No Declarations on Record with County
3 61 1	West Union, WV 26456 IRFACE OWNER(s) (Road and/or Other Disturbance)	Address:
	O. Son Attrohyment	SURFACE OWNER OF WATER WELL
	2000	AND/OR WATER PURVEYOR(s)
- LOCAL		Name: Elmer W. Pierca
Name	e:	Address: Rt 1, Box 118
Addr	ress:	West Union, WV 26456
		OPERATOR OF ANY NATURAL GAS STORAGE FIELD
JSU	RFACE OWNER(s) (Impoundments or Pits)	Name:
Name	e:	Address:
Addr	ess:	
		*Please attach additional forms if necessary

API NO. 47-086 - 10 14
OPERATOR WELL NO. Earl Unit 1H
Well Pad Name: Weekley West 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 crosion and sediment control plan required by section seven of this article; and (3) the well plat.

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

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

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

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

Well Location Restrictions

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

API NO. 47- 066 - 10414
OPERATOR WELL NO. Earl Unit 1H
Well Pad Name: Weakley West 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 agerieved 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- 085 - 10414
OPERATOR WELL NO. Earl Unit 1H
Well Pad Name: Weekley West Pad

Time Limits and Methods for Filing Comments.

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

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

Comment Requirements

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

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

Permit Denial or Condition

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

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

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

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

WW-6A (8-13) API NO. 47-085 - 10414
OPERATOR WELL NO. Earl Unit 1H
Well Pad Name: Weekley West Pad

Notice is hereby given by:

Well Operator: Antero Resources Corporation

Telephone: 304 842-4153 Diana O. Hoff

Email: mhamsher@anteroresources.com

Address: 1615 Wynkoop Street

Denver, CO 80202

Facsimile: 303-357-7315

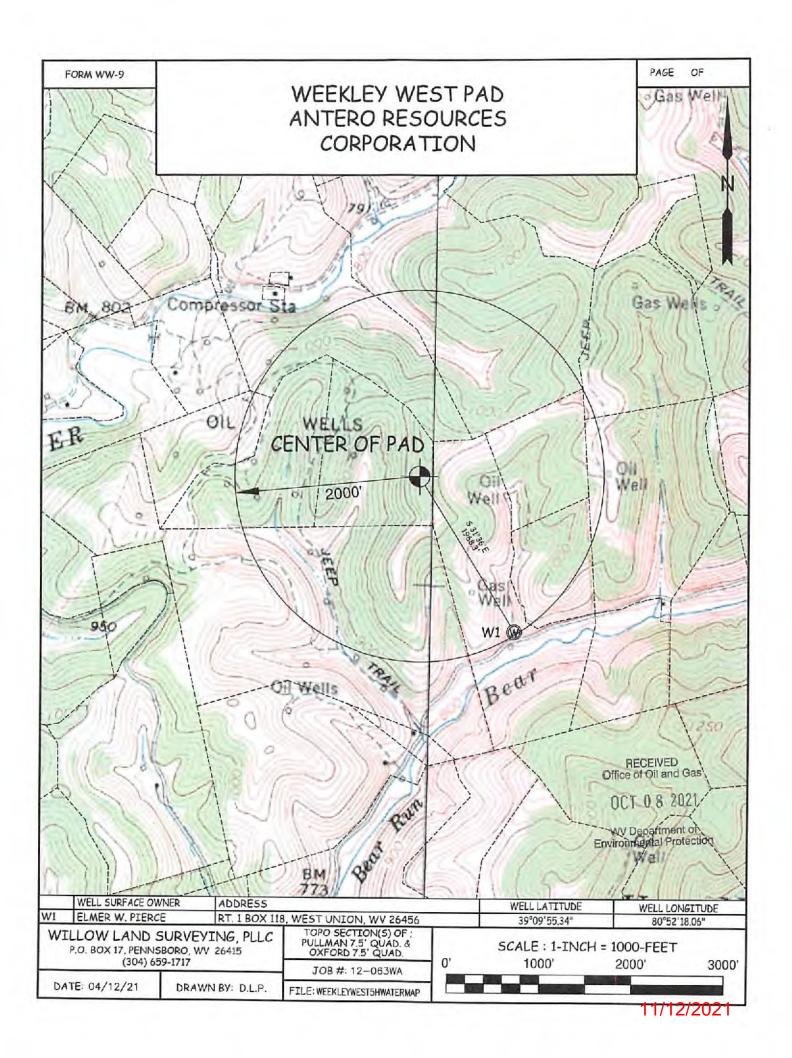
Oil and Gas Privacy Notice:

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

DIANE BLAIR NOTARY PUBLIC STATE OF COLORADO NOTARY ID 19994011871 MY COMMISSION EXPIRES 27-Apr-2024 Subscribed and sworn before me this 5th day of 00, 2021

Olano Blows Notary Public

My Commission Expires 27 Apr 2024



WW-6A ATTACHMENT – EARL UNIT 1H

SURFACE OWNER(S) (ROAD AND OTHER DISTURBANCES):

Antero Resources Corporation 1615 Wynkoop Street Denver, CO 80202

David Martin Weekley & David W. Weekley 987 Middle Island Creek Road St. Marys, WV 26170

Carol A. Myers and Albin A Gesek 441 Pleasant Hollow Road West Union, WV 26456

Operator Well No. Earl Unit 1H Multiple Wells on the Weekley West Pad

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF ENTRY FOR PLAT SURVEY

entry	the state of the state of the state of the state of		the state of the s	Customers and the residence of		n FORTY-FIVE (45) days prior to
	of Notice: 11/24	/2015	Date of Plan	nned Entry: *12/1/2015	Antero may be	nat this is an estimated date. gin surveying seven (7) days but no y-five (45) after your receipt of this
Deliv	ery method pu	rsuant t	o West Virginia Co	ode § 22-6A-10a		ver comes first).
	PERSONAL		REGISTERED	■ METHOD OF DELI	VERY THAT RE	EQUIRES A
	SERVICE		MAIL	RECEIPT OR SIGN		777 D.M. A. B. B. M.
on to but n bene- owne and S Secre enable	the surface trace o more than fort ath such tract that or of minerals un sediment Control stary, which stat- le the surface ow	t to cond ty-five da at has file derlying I Manua ement sh oner to o	uct any plat surveys bys prior to such end ed a declaration pur such tract in the co l and the statutes an all include contact btain copies from the	s required pursuant to this art try to: (1) The surface owner suant to section thirty-six, are unty tax records. The notice id rules related to oil and gas information, including the ad	icle. Such notice of such tract; (2) ticle six, chapter the shall include a state exploration and p	shall provide notice of planned entry shall be provided at least seven days to any owner or lessee of coal seams wenty-two of this code; and (3) any atement that copies of the state Erosic roduction may be obtained from the age on the Secretary's web site, to
	se is hereby pro SURFACE OW		N.	COAL	OWNER OF LE	OCCE
	E: PLEASE SEE ATT	2.2			OWNER OR LE	
						CORD WITH COUNTY
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Addr	css:			■ MINE	RAL OWNER(s)	
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Oil and Gas Privacy Notice:

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

WW-6A3 Notice of Entry For Plat Survey Attachment:

Surface Owners:

Tax Parcel ID: 20-10

Owner: Address: David Martin & David W. Weekley

1143 Middle Island Creek Rd.

St. Mary's, WV 26170

Surface Owners:

Tax Parcel ID: 20-12

Owner:

Carol A. Myers & Albina A. Gesek

Address: 441 Pleasant Hollow Rd.

West Union, WV 26456

Owner:

Carol A. Myers & Albina A. Gesek

(2nd Address)

Address: RR 1 Box 122

West Union, WV 26456

Surface Owners:

Tax Parcel ID: 20-13

Owner: Address:

Elmer Woodyard Pierce 1634 Pleasant Hollow Rd.

West Union, WV 26456

Owner:

Elmer Woodyard Pierce (2nd Address)

Address:

RR 1 Box 118

West Union, WV 26456

Mineral Owners:

Tax Parcel ID: 20-10

Owner:

David Martin & David W. Weekley

Address:

1143 Middle Island Creek Rd.

St. Mary's, WV 26170

Owner:

Barbara Keating

Address: 60 Short Beach Rd.

East Haven, CT 06512

Owner:

Betty D. Prunty

Address:

208 Walnut St.

Hamlin, WV 25523

Mineral Owners:

Tax Parcel ID: 10-12

Owner:

Mable Lenore Randolph

Address:

Rt. 2 Box 289

Lost Creek, WV 26385

Owner: Address:

Roberta N. Finch

1604 27th St.

Parkersburg, WV 26101

Owner: Address:

Lewis W. DeBrular Rt. 4 Box 454

Weston, WV 26452

Owner: Address:

Robert L. DeBrular 862 Cherokee Trail

Willoughby, OH 44094

Owner: Address:

Don D. DeBrular 5306 Pamela Circle

Charleston, WV 25313

Owner:

Eileen Myra Barker

Address: PO Box 13

Pennsboro, WV 26415

Owner: Address:

Irene Teresa Cunningham 363 Cunningham Hl.

Harrisville, WV 26362

Owner: Address:

James L. DeBrular 1601 Washington Ave.

Parkersburg, WV 26101

Owner:

Helene Y. Dodd

Address:

511 1st St.

Pennsboro, WV 26415

Owner:
Address:

Key Oil Company 22 Garton Plaza

Weston, WV 26452

Owner: Address:

Franklin L. Butler 22 Garton Plaza

Weston, WV 26452

Mineral Owners:

Tax Parcel ID: 20-13

Owner:

Alfred Andrew Smith (Subject to the

Life Estate of Leona May McVay)

Address:

1266 Kay Dr.

Mason, OH 45040

Owner:

Daniel Lee Ashley, Jr. & Dawn

Michelle

Address:

7771 High Mill Ave NW Canal Fulton, OH 44614

Owner:

Dallas Franklin Smith

Address:

RR 2 Box 72

Harrisville, WV 26362

Owner:

Address:

Larry T. Hardman 1015 Buffaloville Rd.

Santa Claus, IN 47579

Owner:

Address:

Jacob Andrew Pierce 7281 E Dry Branch Rd.

Milltonw, IN 47145

Owner:

Richard Fredrick Pierce

Address:

RR 1 Box 123

West Union, WV 26456

Owner:

Elmer Woodyard Pierce

Address:

1634 Pleasant Hollow Rd. West Union, WV 26456

Owner:

Elmer Woodyard Pierce (2nd Address)

Address:

Rt. 1 Box 118

West Union, WV 26456

Owner: Address:

Lewis Frank Pierce 475 Burton Run Rd.

Pennsboro, WV 26415

Owner:

James (Jim) A. Eliopulos

Address:

PO Box 2407

Buckhannon, WV 26201

Owner:

Jack H. & Linda M. Langford

Address:

1487 White Oak Rd. Pullman, WV 26421

Owner:

Rolley J. Wilson

Address:

353 Maryland Ave. Clarksburg, WV 26301 WW-6A4 (1/12) Operator Well No. Weekley West Unit 5H
Multiple Wells on Weekley West Pad

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 Noti	Requirement: Notice shall be provided at l ce: 04/02/2021 Date Perm	east TEN (10) days prior to filing a nit Application Filed: 04/19/2021	permit application.
Delivery me	thod pursuant to West Virginia Code § 22	-6A-16(b)	
☐ HAND	■ CERTIFIED MAIL		
DELIVI		JESTED	
receipt reque drilling a hor of this subsection mand if availab	V. Va. Code § 22-6A-16(b), at least ten days sted or hand delivery, give the surface owner izontal well: <i>Provided</i> , That notice given petion as of the date the notice was provided to ay be waived in writing by the surface owner ole, facsimile number and electronic mail adereby provided to the SURFACE OWN	er notice of its intent to enter upon the pursuant to subsection (a), section to the surface owner: <i>Provided, hower.</i> The notice, if required, shall includes of the operator and the operator	ne surface owner's land for the purpose of n of this article satisfies the requirements rever, That the notice requirements of this ude the name, address, telephone number,
	d M. Weekley and David W. Weekley	Name: David Pierce	
A CONTRACTOR OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS N	Middle Island Creek Road	Address: 715 Pleasant Hollow	
St. N	farys, WV 26170-4736	West Union, WV 2645	6-6270
State: County: District: Quadrangle: Watershed:	wner's land for the purpose of drilling a hori West Virginia Ritchie Union Pullman 7.5'	UTM NAD 83 Easting: Northing: Public Road Access: Generally used farm name:	510777m 4335651m CR 22/3 David W. Weekley et al
This Notice Pursuant to facsimile nur related to ho	South Fork Hughes River Shall Include: West Virginia Code § 22-6A-16(b), this member and electronic mail address of the opinion of the contract of the contra	perator and the operator's authorized Secretary, at the WV Department of	ed representative. Additional information f Environmental Protection headquarters,
Notice is he	ereby given by: Dr: Antero Resources Appalachian Corporation	Authorized Representative:	Megan Griffith
Address:	1615 Wynkoop St.	Address:	1615 Wynkoop St.
	Denver, CO 80202		
Telephone:	Denver, CO 80202 303-357-7223	Telephone	Denver, CO 80202
Telephone: Email:	303-357-7223	Telephone:	Denver, CO 80202 303-357-7223
Telephone: Email: Facsimile:	Turkel control of	Telephone: Email: Facsimile:	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 depprivacyofficer@wv.gov.

WW-6A5 (1/12) 47085/0414 Operator Well No. Earl Unit 1H

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

	me Requirement: notice shall be pro lotice: 10/04/2021 Date Pe	vided no later th rmit Application			application.
Delivery	method pursuant to West Virginia	Code § 22-6A-1	6(c)		
CFI	RTIFIED MAIL	☐ HAND			
- 01.	TURN RECEIPT REQUESTED	DELIV			
return rec the plann required t drilling or damages t (d) The no of notice.	eipt requested or hand delivery, give to ed operation. The notice required by to be provided by subsection (b), section f a horizontal well; and (3) A propose to the surface affected by oil and gas of	he surface owner y this subsection on ten of this art and surface use a perations to the given to the sur	r whose land a shall included to a surf- and compen- extent the di-	d will be used for de: (1) A copy ace owner whose sation agreement amages are com	cation, an operator shall, by certified mail or the drilling of a horizontal well notice of of this code section; (2) The information se land will be used in conjunction with the nt containing an offer of compensation for pensable under article six-b of this chapter, sted in the records of the sheriff at the time
(at the add	dress listed in the records of the sherif			2	
	David Martin Weekley & David W. Weekley	_	Name:	David Pierce	- Power
restriction of the second	987 Middle Island Creek Road St. Marys, WV 26170	_	Addres	S: 715 Pleasant Hollow West Union, WV 26-	
operation State: County: District: Quadrang	on the surface owner's land for the p West Virginia Ritchie Union	urpose of drilling	g a horizonta JTM NAD 8 Public Road	al well on the tra Easting: Northing: Access:	510,780m 4,335,629m CO 22/3
Watershee			renerally us	ed farm name:	David Martin Weekley & David W. Weekley
Pursuant to be pro- horizontal surface af information	vided by W. Va. Code § 22-6A-10(b) well; and (3) A proposed surface use fected by oil and gas operations to the related to horizontal drilling may) to a surface of and compensation are extent the dangle obtained from	wner whose ion agreeme nages are co n the Secre	e land will be un nt containing ar compensable und tary, at the WV	code section; (2) The information required used in conjunction with the drilling of a noffer of compensation for damages to the ler article six-b of this chapter. Additional Department of Environmental Protection or by visiting

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API NO. 47- 085 _ 104/4
OPERATOR WELL NO. Earl Unit 1H
Well Pad Name: Weekley West Pad

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

VOLUNTARY STATEMENT OF NO OBJECTION

Instructions to Persons Named on Page WW-6A

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

Comment and Waiver Provisions

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

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

VOLUNTARY STATEMENT OF NO OBJECTION

provisions lis WW-6A and	, hereby state that I have read that above, and that I have received copies of a N attachments consisting of pages one (1) through the well plat, all for proposed well work on the transverse west Virginia	Notice of Application, an Ap th, including act of land as follows:	plication for a Well Work Permit on Forn
County:		UTM NAD 83 Northing:	4,335,629m
District:	Union	Public Road Access:	CO 22/3
Quadrangle: Pullman 7.5'/Oxford 7.5' Generally to Watershed: South Fork Hughes River		Generally used farm name:	David Martin Weekley & David W. Weekley
*Please check	se materials. k the box that applies	FOR EXECUT	ION BY A NATURAL PERSON
□ SURFA	CE OWNER	Signature:	
□ SURFAC	CE OWNER (Road and/or Other Disturbance)	Print Name:	
□ SURFAC	CE OWNER (Impoundments/Pits)		ION BY A CORPORATION, ETC.
□ COAL C	OWNER OR LESSEE	Company:	
□ COAL C	PERATOR	Its:	
□ WATER	PURVEYOR	Signature:	
□ OPERA	TOR OF ANY NATURAL GAS STORAGE		

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WEST VIRGINIA DEPARTMENT OF TRANSPORTATION Division of Highways

D. Alan Reed, P.E. State Highway Engineer 1900 Kanawha Boulevard East • Building Five • Room 110 Charleston, West Virginia 25305-0430 • (304) 558-3505

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

September 22, 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 Weekly West Pad, Ritchie County Earl Unit 1H Well Site

Dear Mr. Martin,

This well site will be accessed from a DOH permit #03-2016-0096 which has been issued to Antero Resources for access to the State Road for a well site located off Ritchie County Route 22/3 SLS MP 0.44.

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

Very Truly Yours.

Gary K. Clayton, P.E.

Regional Maintenance Engineer Central Office O&G Coordinator

Cc: Melissa Hamsher

Antero Resources CH, OM, D-3

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	9000-30-0
Hydrogen Chloride	7647-01-0
Hydrotreated light distillates, non-aromatic, BTEX free	64742-47-8
Isopropyi 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 Reheathylene polynymine	100-97-0
Polyethylene polyamine	68603-67-8
Coco amine	61791-14-8
2-Propyn-1-olcompound with methyloxirane	38172-91-7

LOCATION COORDINATES:
ACCESS ROAD ENTANCE
LITTING ANABORE LONGTHOM - 80 802167 (MAD 82)
LATTING ANABORE LONGTHOM - 60 802167 (MAD 82)
LATTING ANABORE LONGTHOM - 60 802167 (MATTE)
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LATHRUE SULFOCAS LINGITARE - OC.SCICO4 (MAD ME)
LATHRUE SULFOCAS LINGITARE - ED.SCICTS (MAD ME)
LATHRUE SULFOCAS LINGITARE - ED.SCICTS (MAD ME)

GENERAL DESCRIPTION:
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PLOODPLAIN NOTES: THE PROCESS AND ARTHUR FEMA PLACE SHIPE ST. FOR STREET PLACE WAS APPROXICULTURE.

APPROVED

WVDEP OOG

CHARGES IS COMPTON IN - SURVEYING COORDINATION

ENGINEER/SURVEYORE
MAYOUS ENGINEERING INC
CYRLES 2, NOWN, FE - PRODUCT MANAGER/ENGINEERING
OFFICE (ROS) ROS2-AND INCL. (SAG) ENG-8741

MARK HUTSON - LAND ACENT

ERVIRONMENTAL:

10/28/2021

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ENVIRONMENTAL NOTES:
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A CURVANCE INVESTIGATION OF THE PROPOSED DATA FAR PERSONNED BY PERSONNED AND A ROCK.

PORT A APRIL 18 MAY A REAL PROPOSED AND A PROPOSED AND

PROJECT CONTACTS

OPERATOR: ANTERO EMPOUNCES COMPONATION 925 WHITE DAKS BLVD BRIDGEPORE NV 25:50 PRIONE (504) 342-4100 FAX: (304) 542-4100

FLI MAGDHER - ENVIRONMENTAL ENGINEER A REGULATORY MASAGER CEPTON (304) 842-4268 CELL (304) 476-6770

AMON JUNEAU - CONSTRUCTION ECHERYISON CRIA (204) 842-4101

ROMENT WINEY - DESIGN MANAGES OFFICE (904) 642-4400 CRILL (804) 527 7406

GEOTECHNICAL:
PERSTLYMAN SON, N. ROCK, INC.
OHIECTOPHER F BANGS - FRANCE FORMERS.
(412) 372-4300 CHEL. (417) 578-6663 RESTRICTIONS NOTES:

THESE ARE NO GROUNDWATER INTAKE OR PUBLIC WATER SUPPLY PACIFIES WITHIN 1000 FEET OF THE WELL PAR AND LOG

- 1 THERE ARE NO APPARENT EXISTING TAKES WELLS US DEVELOPED EPFINGS WITHIN 250 PERC OF THE WELL(1) BEING DRILLED.
- 4. HIGHER AND HE OCCUPYED DEPLICACE STRUCTURED WITHIN 615 PERT OF THE CENTER OF THE SELL
- THERE ARE NO ASSECULTURAL BUILDINGS LANGES THAN A BOO SQUARE FERT STITUS CON THE CENTER OF THE WELL PAD.

REPRODUCTION NOTE

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DESIGN CERTIFICATION.
THE TRANSPOR CONSTRUCTION POSTS, AND REFERENCE PLAGRAMS STRACHED HERSTOHAVE BEEN PERSARED IN ACCORDANCE WITH THE WEST VIRGINAL CODE OF STATE BUYES.
BIVESON OF ENVIRONMENTAL PROTECTION, OFFICE OF SID AND GAS CHS 30. 5.

NOTE, ALL STREAM AND WETLAND IMPACTS WERE PERMITTED WITH THE GESEK WELL PAD PLAN.

WEEKLEY WEST WELL PAD AND WATER CONTAINMENT PAD

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

UNION DISTRICT, RITCHIE COUNTY, WEST VIRGINIA WHITE OAK CREEK - SOUTH FORK HUGHES RIVER & MIDDLE FORK WATERSHEDS USGS 7.5 PULLMAN & OXFORD QUAD MAPS

PROFOSED -

3

STREET

- PROPOSED SITE

WEST VIRGINIA COUNTY MAP

WEEKLEY WEST PEREVALA STREAM OFFICE (LINEAR FREE)

542

Westernd and Impact Cause

ASE_Wate 10

(Account Rows)

FT(U) Structures (U)

WEEKLEY WILL THIS TLAND IS ACT (SQUARE FEET)

FREST)

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SAT

045

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ani

Stream and Immaci Cause

ASE Disch 01 (Access Road)

MISS Utility of West Virginia 1-600 245-4846

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

SHEET INDEX

1 - COVER SOCIET

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THE COLUMN TWO STATE STREET, ST.	CONTRACTOR OF THE PARTY OF THE	

Total film	-	Samoning.	Total
Access Road "A" (5815)	25,29	0.00	25.2
WAR PRE	6.23	0.00	0.2
Water Dominimics Pad	3.78	0.00	1,71
Expens/Topadi Metedal Stockpion	20.57	2.76	213
Tetal Affected Area	57.87	0.70	en a
Yorki Weldood Agres Disturbed	50.57	0.00	517
Voqueta to Animo Resource		LI 1-04 MT	-
Activas Road "A"	0.82	0.00	0.50
Excess Topon Meters (Sandrams	2 43	2.06	0.45
Total Affected Area	6.55	0.00	5.84
Yotal Witnested Acres Disterting	0.66	0.00	2.01
Impacts to Anthro Pirocuro			. V-67
Airesa Read "A" (945)			- 1
	372	5,00	3.72
Excelle/Topical Malerial Staylighter	2.D9	0.00	2,04
Total Affected Area	841	0.00	5.81
Total Whided Acres Distarted	5.37	0.00	3,37
month to Draid W. Westiny & Carl	d M. Z He	ry Los Wes	they I
Executa/Toposi Meterial Stocknies	0.56	0.00	0.00
Total Affected Area	0.64	5.00	0.84
Total Victimed Acres Disturbing	0.53	0.00	0.65
Implests to Carol A Myers & Al		THE 20.	
Access Road 'A' (467)	1.29	2.00	1.00
Exemplion of Martin a Stockpiles	2.52	0.00	2.50
Total Affected Area	4.42	0.00	
Total Wonderd Acres Dietatheri			4,42
	2.92	0.00	2.00
Impacts to Carol A. Myona & A.	en A. Ge	est Tit 20-4	
Access Road "A" (1474)	434	0.00	4.54
Winer Continuers Pad	384	0.00	3.64
Ехсине/Тореск Мателей Stockower	2.54	0.00	354
70th Affected Area	14.03	0.00	94.0
Total Woxded Arres Disarbed	13.27	2,00	132
Impacts to Devict W. Mary Low, & S	Devid M. V	Ventery The	26-08
Access Road "A" (430)	5.11	0.00	5.11
Water Containment Pad	0.14	0.00	0.14
Europe Topsoil Material Stockplays	424	0.76	5.00
Total Affected Area	9,49	3.76	10.2
Total Worded Acres Disparant	0.85	0.50	7.48
requests to David W. & Comes		TH 30 01	
Access Fend "A" (BRC)	2.15	0.00	315
Element lapace Material Strakplas	3.46	0.00	34
Total Affected Area			
	0,01	0.00	8.01
Total Absorbed Acres Disturbed	8.20	0.00	6.20
impacts to David W & David		THE REST	
Access Rend "A" (1530)	9.00	0.00	6.06
Well Pari	6,14	0.00	6.14
Examplifupuoli Material Stockpiles	1.32	0.00	1.32
Total Affected Area	13.55	0.00	12.0
Total Workled Agres Disasperi	13.24	0.00	13.2
Imports to Elmaria. & Margar		a 7ft 20-13	
Wed Paci	209	0.00	2.00
Estern/Topical Material Stockniles	0.30	0.00	0.30
Total Affected Acus	2.99	0.00	2.30
Yould Wateried Acres Disasters			
THE PERSON NAMED IN COLUMN	1.34	0.00	1.34

MI Bloom	WD IT	MO ITANE LINE	STIME IT	AND EX Las & Long
	4.70 mm	Permi	SI E LOCUSION	Contract of
German	H 348871.45	LAT TO-40-40 PERS	PE-4300015.E1	LAT 36-30-10 4063
- Unit fit	E 1010007 19	LONG-POSTATIVES	E SIDEM EL	CONC 40 (0.30 788)
Plannion	H HARRISH MY	E# 730-10-10-7508	19-1338E00.99	LAT 35-90-17,0000
List IN	E 1010067 49	LOHO IN IS IN THIS	E \$10776.81	LOVO -45-52-40 TIEN
Marriery		LAT 29-16-16 8046	44 430000 4 TO	LAT MIND-IT 2016
Onit 191		CONT. 40-53-31 3850	E SIGTINGE.	LOWIS ASSESSOR THAN
CAR	H 3463 H 43	LAT 35-10-11 D471	N 4105E(0.71	AT 36-45-11.201
Limit 64	⊕ 16 15357 £	LONG-MASSAH NOD	E HOUTH OF	LONG AS 43 RE 7931
Cart	A TANKS 1 42	(A) 39-19-11 1906	14 470E(33).80	LAT SHISH COOK
1/80/24	E MALIGNA GO	LOGINESTES	C 610FTH 62	DWD-40-50-50 TTTD
Sandy	1 7 March 47	1A7 38:3611 3438	55 4559925 48	LAT THE GO TO BROOM
Link 114	IT 98100MA2A	NOWS-IN-COLUMN	E 610772 IN	DALD 40 40 100
Virginia West	ni aanos7,65	DAT 78 19-11.7523	M-4430691/08	LAT SH- NC-SE COREO
Unit SM			E 112777.02	LOVID-45-55-55 ever
Frepand Was P	in the witten	1,1250		

UNITY B	TAN MAP	
1		19
	1	1
		P A

WELL PAD

WATER

CONTAINMENT PAD

NOTE:

20 T. A. C. C. W. W. C. C.	Perms	menti fescardo	Terres, Amountée	e. 100
Stream and Impect Cause	Colvert Fin (LP)	Internetions (LF)	Committee (LF)	Total Impect
ASE Stream ST (Streams Area TO)	15	0	96	90
WEENLEYWORKE	HOW MAN	STOREM BY AR	THE PERSON	-
	PROTECTION	THE HOLES	Times, legache	
Street; and Impost Calab	California I	inlets/Outres Structures (LF)	Commune EAS Countrals (LF)	Total transit
ASE_Stream 22 (Azzmes Road)	Culved / FRI (LF)	inletz/Quines Structures (LF)	Community EAS Countrals (LF)	(LF)
Stream and Impact Cares ASE_Stream 21 (Azzasa Rhad) ASE_Stream 37 (Stockpitt Area "U") ASE_Stream 37 (Azzasa Road)	Culmed / FIN (LF) 22	inletz/Queen Biruchares (LF)	Common BAS Countrals (LF)	10-1



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1	DATE	REVISION
8	12/10/2021	REMAINDER HER SHEE MODERNAMEN
8	1202/42/90	STIER SHE DESCRIPE
8	38/34/2021	REPURED PER TRAIL ACCRUS
15	12/18/2021	CONTRACTO SEEN WEST.3
1	1	
1		



PAD WATER CONTAINMENT UNION DISTRICT S WE WEEKLEY COVER

PAD &



DATE 04/00/2021 SCALE AS SHOWN

