

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

Austin Caperton, Cabinet Secretary www.dep.wv.gov

Friday, April 27, 2018 WELL WORK PERMIT Horizontal 6A / New Drill

ANTERO RESOURCES CORPORATION 1615 WYNKOOP STREET

DENVER, CO 80202

Re: Permit approval for RAY UNIT 3H 47-085-10348-00-00

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: RAY UNIT 3H

Farm Name: DAVID L. WEEKLEY REVOCA

U.S. WELL NUMBER: 47-085-10348-00-00

Horizontal 6A New Drill Date Issued: 4/27/2018

API Number:	
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PERMIT CONDITIONS 4708510348

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

CONDITIONS

- This proposed activity may require permit coverage from the United States Army Corps of Engineers
 (USACE). Through this permit, you are hereby being advised to consult with USACE regarding this proposed
 activity.
- 2. If the operator encounters an unanticipated void, or an anticipated void at an unanticipated depth, the operator shall notify the inspector within 24 hours. Modifications to the casing program may be necessary to comply with W. Va. Code § 22-6A-5a (12), which requires drilling to a minimum depth of thirty feet below the bottom of the void, and installing a minimum of twenty (20) feet of casing. Under no circumstance should the operator drill more than one hundred (100) feet below the bottom of the void or install less than twenty (20) feet of casing below the bottom of the void.
- 3. When compacting fills, each lift before compaction shall not be more than 12 inches in height, and the moisture content of the fill material shall be within limits as determined by the Standard Proctor Density test of the actual soils used in specific engineered fill, ASTM D698, Standard Test Method for Laboratory Compaction Characteristics of Soil Using Standard Effort, to achieve 95 % compaction of the optimum density. Each lift shall be tested for compaction, with a minimum of two tests per lift per acre of fill. All test results shall be maintained on site and available for review.
- 4. Operator shall install signage per § 22-6A-8g (6) (B) at all source water locations included in their approved water management plan within 24 hours of water management plan activation.
- 5. Oil and gas water supply wells will be registered with the Office of Oil and Gas and all such wells will be constructed and plugged in accordance with the standards of the Bureau for Public Health set forth in its Legislative rule entitled *Water Well Regulations*, 64 C.S.R. 19. Operator is to contact the Bureau of Public Health regarding permit requirements. In lieu of plugging, the operator may transfer the well to the surface owner upon agreement of the parties. All drinking water wells within fifteen hundred feet of the water supply well shall be flow tested by the operator upon request of the drinking well owner prior to operating the water supply well.
- 6. Pursuant to the requirements pertaining to the sampling of domestic water supply wells/springs the operator shall, no later than thirty (30) days after receipt of analytical data provide a written copy to the Chief and any of the users who may have requested such analyses.
- 7. 24 hours prior to the initiation of the completion process the operator shall notify the Chief or his designee.
- 8. During the completion process the operator shall monitor annular pressures and report any anomaly noticed to the chief or his designee immediately.
- 9. If any explosion or other accident causing loss of life or serious personal injury occurs in or about a well or well work on a well, the well operator or its contractor shall give notice, stating the particulars of the explosion or accident, to the oil and gas inspector and the Chief, within 24 hours of said accident.
- 10. During the casing and cementing process, in the event cement does not return to the surface, the oil and gas inspector shall be notified within 24 hours.

API Number: 47 0 8 5 1 0 3 4 8

PERMIT CONDITIONS

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

WW-6B (04/15)

API NO. 47-085 -	
OPERATOR WELL	NO. Ray Unit 3H
Well Pad Name:	Weekley Trust Pad

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

1) Well Operat	tor: Antero	Resources	Corpora	494507062	085 - Ritch	Clay	Pennsboro 7.5'
				Operator ID	County	District	Quadrangle
2) Operator's V	Well Numbe	r: Ray Unit	3H	Well P	ad Name: Wee	ekley Trust	Pad
3) Farm Name	Surface Ow	ner: David Wee	kley L. Revoca	ble Trust Public Re	oad Access: CF	R-2/5	
4) Elevation, co	urrent groun	nd: ~1265'	El	evation, propose	d post-construc	tion: 1235	
5) Well Type	(a) Gas Other	X	Oil	Un	derground Stor	age	
	(b)If Gas	Shallow Horizontal	X	Deep			7-6-18
6) Existing Pad	: Yes or No	No					1-1-18
				ipated Thickness ss- 75 feet, Assoc			
8) Proposed To	tal Vertical	Depth: 680	O' TVD				
9) Formation at	t Total Verti	ical Depth:	Marcellus	L-			
10) Proposed T	otal Measur	red Depth:	15300' M	D	1		
11) Proposed H	Iorizontal L	eg Length:	7394'				
12) Approxima	te Fresh Wa	iter Strata Dej	oths:	Offset well records.	Depths have been	adjusted acco	rding to surface elevations.
13) Method to 1	Determine F	resh Water D	epths: 3	38', 375'			
14) Approxima	te Saltwater	Depths: 17	28', 1753				
15) Approxima	te Coal Sear	m Depths: 88	37'				
16) Approxima	te Depth to	Possible Voic	l (coal mi	ne, karst, other):	None Anticipa	ated	
17) Does Propo lirectly overlyi				ns Yes	No.	x	
(a) If Yes, pro	vide Mine l	nfo: Name:					
		Depth:					RECEIVED
		Seam:					Office of Oil and Gas
		Owner	:				FEB 0.9 2018

WV Department of Environmental Protection WW-6B (04/15) API NO. 47-085 OPERATOR WELL NO. Ray Unit 3H
Well Pad Name: Weekley Trust Pad

18)

CASING AND TUBING PROGRAM

TYPE	Size (in)	New or Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling (ft)	INTERVALS: Left in Well (ft)	CEMENT: Fill-up (Cu. Ft.)/CTS
Conductor	20"	New	H-40	94#	80'	80'	CTS, 77 Cu. Ft.
Fresh Water	13-3/8"	New	J-55	54.5#	425' *see #19	425' *see #19	CTS, 590 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#	15300'	15300'	3800 Cu. Ft
Tubing	2-3/8"	New	N-80	4.7#		7100'	
Liners							

MAC-2-6-18

ТУРЕ	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	
Fresh Water	13-3/8"	17-1/2"	0.38"/0.33"	2730/1730	1000	Class A	1.18
Coal	9-5/8"	12-1/4"	0.352"	3520	1500	Class A	1.18
Intermediate							
Production	5-1/2"	8-3/4" & 8-1/2"	0.361"	12,630	2500	Lead-HIPOZ & Tell - H	H/POZ-1.44 & H-1.8
Tubing	2-3/8"	4.778"	0.19"	11,200			
Liners							

PACKERS

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

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Office of Oil and Gas

FEB 0 9 2018

API NO. 47- 086

OPERATOR WELL NO. Ray Unit 3H Well Pad Name: Weekley Trust Pad

MD6-18

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

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

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

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

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

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

21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 32.87 acres

22) Area to be disturbed for well pad only, less access road (acres): 8.15 acres

23) Describe centralizer placement for each casing string:

Conductor: no centralizers

Surface Casing: one centralizer 10' above the float shoe, one on the insert float collar and one every 4th Joint spaced up the hole to surface.

Intermediate Casing: one centralizer above float joint, one centralizer 5' above float collar and one every 4th collar to surface.

Production Casing: one centralizer at shoe joint and one every 3 joints to top of cement in intermediate casing.

24) Describe all cement additives associated with each cement type:

Conductor: no additives, Class A cement.

Surface: Class A cement with 2-3% calcium chloride and 1/4 lb of flake Intermediate: Class A cement with 1/4 lb of flake, 5 gallons of clay treat

Production: Lead cement-50/50 Class H/Poz + 1.5% salt + 1% C-45 + 0.5% C-16a + 0.2% C-12 + 0.45% C-20 + 0.05% C-51 Production: Tail cement- Class H + 45 PPS Calcium Carbonate + 1.0% FL-160 + 0.2% ACGB-47 + 0.05% ACSA-51 + 0.2% ACR-20

25) Proposed borehole conditioning procedures:

Conductor: blowhole dean 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. RECEIVED

Office of Oil and Gas

*Note: Attach additional sheets as needed.

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API Number 47 - 085

Operator's Well No. Ray Unit 3H

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) North Fork Hughes River Quadrangle Pennsboro 7.5
Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes V
Will a pit be used? Yes No V
If so, please describe anticipated pit waste: No pit will be used at this site (Orilling and Flowback Fluids will be stored in tanks. Guttings will be tanked and haured off site.)
Will a synthetic liner be used in the pit? Yes No V If so, what ml.? N/A Proposed Disposal Method For Treated Pit Wastes:
Proposed Disposal Method For Treated Pit Wastes:
Land Application
Underground Injection (UIC Permit Number *UIC Permit # will be provided on Form WR-34 Reuse (at API Number Future permitted well locations when applicable. API# will be provided on Form WR-34)
Reuse (at API Number Future permitted well locations when applicable. API# will be provided on Form WR-34 Off Site Disposal (Supply form WW-9 for disposal location) (Meadowfill Landfill Permit #SWF-1032-98)
Other (Explain Northwestern Landfill Permit #SWF-1025/ WV0109410
Will closed loop system be used? If so, describe: Yes
Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. Surface - Ald/Freshwater, Intermediate-Dut/Stiff Forum, Production - Water Based Must
-If oil based, what type? Synthetic, petroleum, etc. N/A
Additives to be used in drilling medium? Please See Attachment
Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. Stored in tanks, removed offsite and taken to landfill
-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) N/A
-Landfill or offsite name/permit number? Meadowfill Landfill (Permit #SWF-1032-98)
Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed.
I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action. I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto 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 or imprisonment.
Company Official Signature
Company Official (Typed Name) Shawn Donovan
Company Official Signature Company Official (Typed Name) Shawn Donovan Company Official Title Environmental Specialist III My NOTATE OF PUBLIC COMMISSION EXPIRES
Company Official Title Environmental Specialist III Subscribed and sworn before me this 2nd day of February 2018 Subscribed and sworn before me this 2nd day of February 2018 My commission expires JUM 21, 2018 FEB 0 9 2018
WV Department of EnvioAn 2 na 201e 8 to

Form WW-9

Operator's	Well No.	Ray	Unit	3H	

Deamound Daysantat' T	mt. Ama District - 20 07	acres	
Proposed Revegetation Treatme	The state of the s		H
	Tons/acre or to correct to p		
	traw or Wood Fiber (will be use	d where needed)	
Fertilizer amount 500		lbs/acre	
Mulch 2-3	Ton	s/acre	
Access Road "A" -749' (2.7	2 acres) + Acress Road "B" -2486' (10.67 Material Stock	acres) + Well Pad (8.15 acres) + Water Containment F piles (7.63 acres) = 32.87 Acres	Pad (3.70 acres) + Excess/Topsoil
Тетр	oorary	Perma	nent
Sccd Type	lbs/acre	Seed Type	lbs/acre
Annual Ryegrass	40	Crownvetch	10-15
Field Bromegrass	40	Tall Fescue	30
See attached Table IV-3 for additional seed type	e (Weekley Trust Pad Dasign Page 25)	See attached Table IV-4A for additional seed type	oe Weekley Trust Pad Design Page 25
*or type of grass seed requi	ested by surface owner	*or type of grass seed reque	sted by surface owne
Attach:	t and proposed area for land a	pplication (unless engineered plans in	
Attach: Drawing(s) of road, location, pit provided)	t and proposed area for land a		
Attach: Drawing(s) of road, location, pit provided) Photocopied section of involved	t and proposed area for land a		
Attach: Drawing(s) of road, location, pit provided) Photocopied section of involved Plan Approved by:	t and proposed area for land a		
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Attach: Drawing(s) of road, location, pit provided) Photocopied section of involved Plan Approved by: Comments:	t and proposed area for land a	pplication (unless engineered plans in	cluding this info have been
Attach: Drawing(s) of road, location, pit provided) Photocopied section of involved Plan Approved by:	t and proposed area for land a		cluding this info have been

FEB 0 9 2018

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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FEB 5 2018

WV Department of Protection



911 Address 142 Jones Rd Pennsboro, WV 26415

Well Site Safety Plan Antero Resources

Well Name: Ray Unit 1H-3H, Swartzmiller Unit 1H-3H,

> Cingmars 1H-4H, Goliad Unit 1H-2H Michael Doff

Pad Location: Weekley Trust Pad

Ritchie County/Clay District

GPS Coordinates:

Entrance - Lat 39°22'0.8292"/Long -80°54'54.8022" (NAD83)

Pad Center - Lat 39°22′18.2244″/Long -80°55′25.0998″ (NAD83)

Driving Directions:

From the intersection of I79 and HWY 50: Travel west on US-50 for 28.7 miles. Turn right onto WV-18 N and head towards West Union. Turn Left onto Davis St/Old U.S. 50 W and continue for 0.4 miles. Turn right onto WV-18N/Sistersville Pike for 12.2 miles. Turn Left onto WV-74 S for 3.7 miles. Turn right onto Stull Hill Rd for 0.4 miles. Turn left onto Co Rd 2/5 for 0.1 miles. The access road will be on your right.

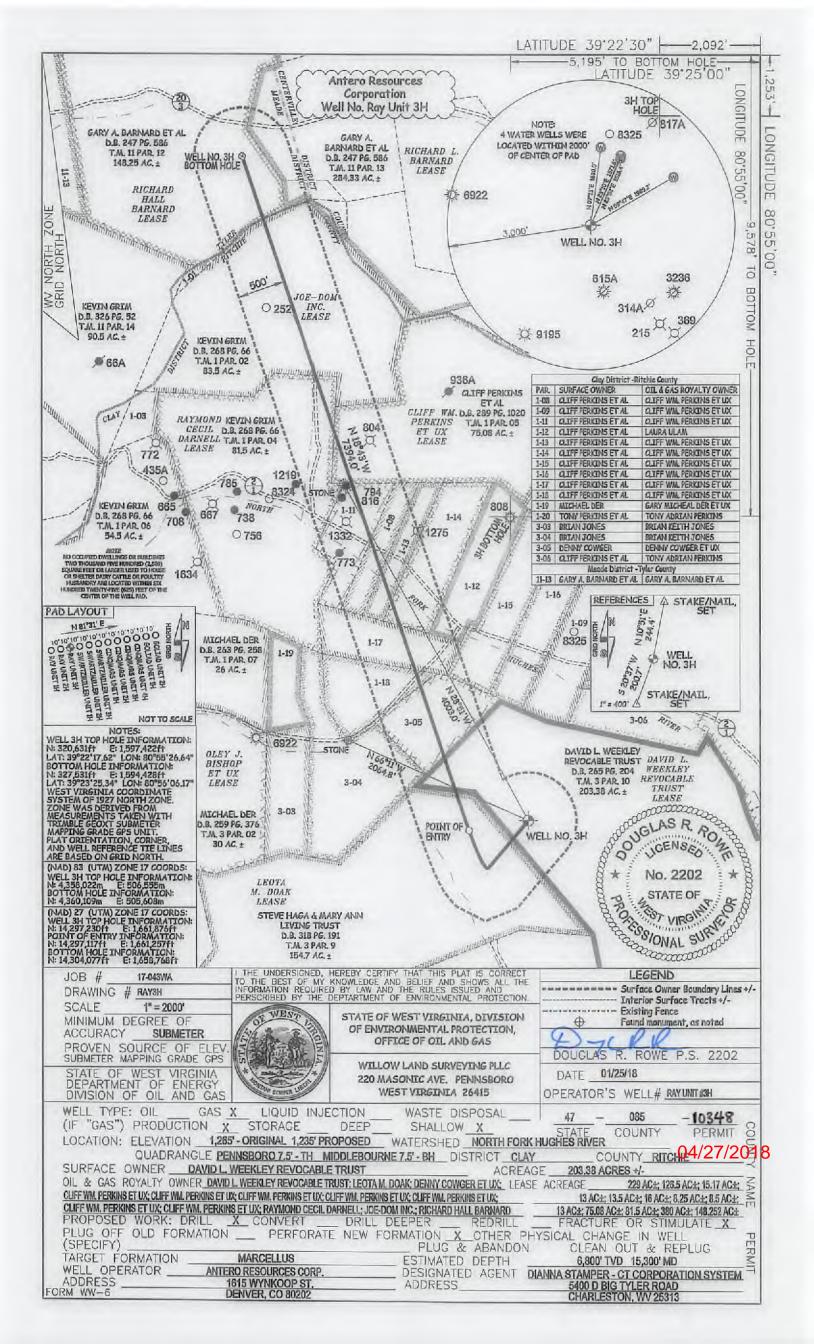
Alternate Route:

From the intersection of U.S. 50 E and WV-74 N/Pullman Rd: Travel north and turn left onto E Myles Ave/Old U.S. 50 E for 0.6 miles. Turn Right onto Grey St (0.2 miles), left onto E Penn Ave (0.1 miles), right onto 1st St (446 ft) and continue onto WV-74N/Mountain Dr for 7.2 miles. Turn left onto Stull Hill Rd for 0.4 miles. Turn left onto Co Rd 2/5 for 0.1 miles. The access road will be on your right.

RECEIVED EMERGENCY (24 HOUR) CONTACT 1-800-878-413-731 and Gas

FFB 0 9 2018





Operator's Well Number

Ray Unit 3H

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
David L. Weekley Revocable Trust Lease David L. Weekley Revocable Trust	Antero Resources Corporation	1/8+	0295/0030
<u>Leota M. Doak Lease</u> Leota M. Doak	Antero Resources Corporation	1/8+	0258/1005
<u>Denny Cowger, et ux Lease</u> Denny Cowger, et ux	Antero Resources Corporation	1/8+	0307/0633
Cliff Wm. Perkins, et ux Lease (3-1-18) Cliff Wm. Perkints, et ux	Antero Resources Corporation	1/8+	0266/0304
Cliff Wm. Perkins, et ux Lease (3-1-17) Cliff Wm. Perkints, et ux	Antero Resources Corporation	1/8+	0266/0298
Cliff Wm. Perkins, et ux Lease (3-1-14) Cliff Wm. Perkints, et ux	Antero Resources Corporation	1/8+	0266/0280
Cliff Wm. Perkins, et ux Lease (3-1-13) Cliff Wm. Perkints, et ux	Antero Resources Corporation	1/8+	0266/0274
<u>Cliff Wm. Perkins, et ux Lease (3-1-8)</u> Cliff Wm. Perkints, et ux	Antero Resources Corporation	1/8+	0266/0256
Cliff Wm. Perkins, et ux Lease (3-1-11) Cliff Wm. Perkints, et ux	Antero Resources Corporation	1/8+	0266/0268
Cliff Wm. Perkins, et ux Lease (3-1-p/o 5) Cliff Wm. Perkints, et ux	Antero Resources Corporation	1/8+	0266/0250
Raymond Cecil Darnell Lease Raymond Cecil Darnell	Antero Resources Corporation	1/8	0305/0292
Joe-Dom Inc. Lease Joe Dom, Inc. Dominic Domino, President Gene Stalnaker, Inc. Angus Energy, Inc. Stalnaker Energy Corporation	Gene Stainaker, Inc. Angus Energy, Inc. Stainaker Energy Corporation Antero Resources Appalachian Corporation	1/8 Assignment Name Change Assignment	0160/0672 0212/0137 Exhibit 2 0258/0084
Antero Resources Appalachian Corporation	Antero Resources Corporation	Name Change	Exhibit 1

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

Office of Oil and Gas

APR 2 6 2018

WW-6A1 (5/13)

Operator's Well No	Ray Unit 3H

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

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- (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
Richard Hall Barnard Lease				
	Richard L. Barnard	Antero Resources Corporation	1/8+	0442/0067

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

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

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FEB 5 2018

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				
By:	Kevin Kilstrom	las	letation		
Its:	Senior VP of Production				

Page 1 of

FORM WW-6A1 EXHIBIT 1

FILED JUN 1 0 2013

Natalic E. Tennant Secretary of State 1900 Kanawha Bivd E Bldg 1, Suite 157-K Charleston, WV 25305

FILE ONE ORIGINAL (Two if you want a fited stamped copy returned to you) FEE: \$25:00



Penney Barker, Manager
IN THE OFFICE OF Corporations Division
SECRETARY OF STATE Tel: (304)558-8000
Website: www.uysos.com

Website: www.wvsos.com
E-mall: business@wvsos.com

APPLICATION FOR AMENDED CERTIFICATE OF AUTHORITY

**** In accordance with the provisions of the West Virginia Code, the undersigned corporation hereby ****
applies for an Amended Certificate of Authority and submits the following statement:

Office Hours: Monday - Friday 8:30 e.m. - 5:00 p.m. ET

	4	
1.	Name under which the corporation was authorized to transact business in WV:	Antero Resources Appelachian Corporation
2.	Date Certificate of Authority was issued in West Virginia:	6/25/2008
3.	Corporate name has been changed to: (Attach one Certified Copy of Name Change as filed in home State of incorporation.)	Antero Resources Corporation
4.		Antero Resources Corporation
5.	Other amendments: (attach additional pages if necessary)	
		——————————————————————————————————————
6.	Name and phone number of contact person. (the filing, listing a contact person and phone num document.)	
	Alvyn A. Schopp	(303) 367-7310
	Contact Name	Phone Number
7.	Signature information (See below *Important	Legal Notice Regarding Signature):
	Print Name of Signer: Abyn A. Schopp	Title/Capacity: Authorized Person
	Signature: Az Hacksop	Date: June 10, 2013
Any to th		
Porm	CP-4 láncd by the Office	o of the S costs by of Sints - Ravised 4/1

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Prate of West Virginia Certificate

3. Hen Hechler, Levelary of State of the State of West Tirginia, hereby certify that

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> RECEIVED Office of Oil and Gas

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WV Department of Environmental Protection

Туре	Address	FORM MANAGE A
Local Office Address	220 WEST MAIN STREET GLENVILLE, WV, 26351	FORM WW-6A1 EXHIBIT 2, PAGE 2
Mailing Address	PO BOX 178 GLENVILLE, WV, 26351 USA	
Notice of Process Address	RON STALNAKER PO BOX 178 GLENVILLE, WV, 26351	
Principal Office Address	220 WEST MAIN STREET GLENVILLE, WV, 26351 USA	
Туре	Address	

Officers				
Туре	Name/Address			
Incorporator	GENE STALNAKER PO BOX 178 GLENVILLE, WV, 26351			
President	RON STALNAKER 391 RUFFED GROUSE DR BRIDGEPORT, WV, 26330			
Secretary	GINA STALNAKER 391 RUFFED GROUSE DR BRIDGEPORT, WV, 26330			
Туре	Name/Address			

Date	Amendment
4/20/1998	CHANGE OF NAME FROM ANGUS ENERGY INC. TO STALNAKER ENERGY CORPORATION
Date	Amendment

Annual Reports	
Date filed	
4/20/2016	RECEIVED Office of Oil and G
2/20/2017	FEB 5 2018
4/9/2015	Wy Department Environmental Pro-
4/21/2014	Environmental Flo
2/20/2013	
5/3/2012	



February 2, 2018

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

RE: Ray Unit 3H

Quadrangle: Pennsboro 7.5'

Ritchie County/Clay District, West Virginia

Mr. Martin:

Antero Resources Corporation (Antero) is submitting the following application for a new well work permit for the Ray Unit 3H 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 Ray Unit 3H horizontal lateral will drill through including any and all roads crossed under as identified on the attached survey plat.

Sincerely,

Thomas Kuhn Senior Landman

Office of Oil and Gas

V/V Department of Environmental Protection WW-6AC (1/12)

Date of Notice Certification: 02/01/2018

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

API No. 47- 085 -

			-	Well No. Ray	
			Well Pad N	Name: Weekley	Trust Pad
Notice has b					
	e provisions in West Virginia Code stract of land as follows:	§ 22-6A, the Operator has pro-	vided the rec	quired parties v	with the Notice Forms listed
State:	West Virginia		Easting:	506555m	
County:	Ritchie	UTM NAD 83	Northing:	4358022m	
District:	Clay	Public Road Acc		CR 2/5	
Quadrangle:	Pennsboro 7.5'	Generally used fa		David L. Weekley	Revocable Trust
Watershed:	North Fork Hughes River				
prescribed by it has provide information re of giving the requirements Virginia Code	West Virginia Code § 22-6A-7(b), the secretary, shall be verified and set the owners of the surface described and the owners of the surface described and (c), set surface owner notice of entry to support of subsection (b), section sixteen of \$22-6A-11(b), the applicant shall thave been completed by the applicant	shall contain the following information in subdivisions (1), (2) a section sixteen of this article; (increase pursuant to subsection of this article were waived in tender proof of and certify to the subsection of the subsection	ormation: (14 and (4), substituted in the rection of the writing by	4) A certification (b), section (b), section (c), section (d), section	on from the operator that (interior ten of this article, the deemed satisfied as a result cle six-a; or (iii) the notice wher; and Pursuant to Wes
that the Oper	West Virginia Code § 22-6A, the Operator has properly served the require		his Notice C	ertification	OOG OFFICE USE ONLY
□ 1. №	CICE OF SEISMIC ACTIVITY or	■ NOTICE NOT REQUIR SEISMIC ACTIVITY WAS			☐ RECEIVED/ NOT REQUIRED
☐ 2. NOT	FICE OF ENTRY FOR PLAT SURV	VEY or 🔳 NO PLAT SURV	EY WAS CO	ONDUCTED	☐ RECEIVED
■ 3. NOT	TICE OF INTENT TO DRILL or	NOTICE NOT REQUIINOTICE OF ENTRY FOR WAS CONDUCTED or			RECEIVED/ NOT REQUIRED
		☐ WRITTEN WAIVER (PLEASE ATTACH)		CE OWNER	
■ 4. NOT	TICE OF PLANNED OPERATION			:	RECEIVED
■ 5. PUB	LIC 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 affidavited personal service, the return receipt card or other postal receipt for certified mailing.

Office of Oil and Gas

FFB 5 2018

Certification of Notice is hereby given:

THEREFORE, I Kevin Kilstrom , 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: Kevin Kilstrom

Senior VP of Production

Telephone: 303-357-7310

Address: 1615 Wynkoop Street

Denver, CO 80202

Facsimile: 303-357-7315

Email: kquackenbush@anteroresources.com

KARA QUACKENBUSH

NOTARY PUBLIC

STATE OF COLORADO

NOTARY ID 20144028297

MY COMMISSION EXPIRES JULY 21, 2018

Subscribed and sworn before me this 1st day of February 2018

Notary Public

My Commission Expires 1014 21 2018

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.

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WV Department of Environmental Protection

04/27/2018

WW-6A (9-13) API NO. 47- 085 OPERATOR WELL NO. Ray Unit 3H
Well Pad Name: Weekley Trust Pad

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

Notice Time Requirement: notice shall	I be provided no later tha	in the filing date of permit application.	
Date of Notice: 2/2/2018 Date Permit Notice of:	t Application Filed: 2/2/2	2018	
PERMIT FOR ANY WELL WORK	CERTIFICATE OF APP	PROVAL FOR THE AN IMPOUNDMENT OR PIT	
Delivery method pursuant to West Vi	irginia Code § 22-6A-10	(b)	
☐ PERSONAL ☐ REGISTE	ERED METH	OD OF DELIVERY THAT REQUIRES A	
SERVICE MAIL	RECEJ	IPT OR SIGNATURE CONFIRMATION	
the surface of the tract on which the well oil and gas leasehold being developed by described in the crosion and sediment comporator or lessee, in the event the tract of more coal seams; (4) The owners of record well work, if the surface tract is to be used impoundment or pit as described in section have a water well, spring or water supply provide water for consumption by humans proposed well work activity is to take place subsection (b) of this section hold interest records of the sheriff required to be maintiprovision of this article to the contrary, no	is or is proposed to be locathe proposed well work, if attrol plan submitted pursual fland on which the well prod of the surface tract or trad for the placement, construction in one of this article; (5) A source located within one s or domestic animals; and ce. (c)(1) If more than threats in the lands, the applicantained pursuant to section of otice to a lien holder is not at the operator shall also proposed.	the well plat to each of the following persons: (1) ated; (2) The owners of record of the surface trace if the surface tract is to be used for roads or other and to subsection (c), section seven of this article; roposed to be drilled is located [sic] is known to least overlying the oil and gas leasehold being deviated, enlargement, alteration, repair, removal of Any surface owner or water purveyor who is known thousand five hundred feet of the center of the wall (6) The operator of any natural gas storage field be tenants in common or other co-owners of interest may serve the documents required upon the period, article one, chapter eleven-a of this code. (2) notice to a landowner, unless the lien holder is the rovide the Well Site Safety Plan ("WSSP") to the as provided in section 15 of this rule.	t or tracts overlying the land disturbance as (3) The coal owner, be underlain by one or reloped by the proposed or abandonment of any on to the applicant to rell pad which is used to within which the ests described in rson described in the 2) Notwithstanding any ne landowner. W. Va.
☐ Application Notice ☐ WSSP Noti	ce DE&S Plan Notice	☑ Well Plat Notice is hereby provided to:	
☑ SURFACE OWNER(s) Name: David L. Weekley Revocable Trust Address: 16191 Ellsworth Road		COAL OWNER OR LESSEE Name: NO DECLARATIONS ON RECORD WITH COUNT Address:	RECEIVED Office of Cil and Gas
Berlin Center, OH 44401 Name:		COAL OPERATOR	FEB 5 2018
Address:		Name: NO DECLARATIONS ON RECORD WITH COUNTACTOR	
☑ SURFACE OWNER(s) (Road and/or Name: David L. Weekley Revocable Trust Address: 16191 Ellsworth Road	Other Disturbance)	☑ WATER PURVEYOR(s)/OWNER(s) OF WATER W -SPRING OR OTHER WATER SUPPLY SOURCE	VELL,
Berlin Center, OH 44401 Name:		Name: NONE IDENTIFIED WITHIN 1500' Address:	SOURCES SHOWN, HOWEVER THEY AR LOCATED GREATER THAN 1500' FROM TH SUBJECT PAD LOCATION
Address:SURFACE OWNER(s) (Impoundment Name:	nts or Pits)	OPERATOR OF ANY NATURAL GAS S Name: Address:	
Address:		*Please attach additional forms if necessary	

WW-6A (8-13) Office of Oil and Gas

API NO. 47- 685

OPERATOR WELL NO. Ray Unit 3H

wir nepartment of wire mental Protection

Well Pad Name: Weekley Trust Pad

Notice is hereby given:

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

This Notice Shall Include:

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

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

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

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

Additional information related to horizontal drilling may be obtained from the Secretary, at the 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.aspx.

Well Location Restrictions

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

WW-6A (8-13) API NO. 47-085

OPERATOR WELL NO. Ray Unit 3H
Well Pad Name: Weekley Trust 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

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

FEB 5 2018

WAY Department of Environmental Protection

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

WW-6A (8-13) API NO. 47- 085 -

OPERATOR WELL NO. Ray Unit 3H
Well Pad Name: Weekley Trust 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(e)(2), Any objections of the affected coal operators and coal seam owners and lessees shall be addressed through the processes and procedures that exist under sections fifteen, seventeen and forty, article six of this chapter, as applicable and as incorporated into this article by section five of this article. The written comments filed by the parties entitled to notice under subdivisions (1), (2), (4), (5) and (6), subsection (b), section ten of this article shall be considered by the secretary in the permit issuance process, but the parties are not entitled to participate in the processes and proceedings that exist under sections fifteen, seventeen or forty, article six of this chapter, as applicable and as incorporated into this article by section five of this article.

Comment Requirements

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

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

Permit Denial or Condition

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

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

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

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

Office of Oil and Gas
FEB 5 2018

WV Department of Environmental Protection

WW-6A (8-13)

API NO. 47-935 Rev Unit 3H 8

OPERATOR WELLONG Rev Unit 3H 4

Well Pad Name: Weekley Trust Pad

Notice is hereby given by:

Well Operator: Antero Resources Corporation Telephone: (303) 357-7310

Email: kquackenbush@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.

KARA QUACKENBUSH
NOTARY PUBLIC
STATE OF COLORADO
NOTARY ID 20144028297
MY COMMISSION EXPIRES JULY 21 2019

Subscribed and sworn before me this 2nd day of FUDYMAYY 2018

Notary Public

My Commission Expires JMY 21, 2018

Office of Oil and Gas
FEB 5 2018

WW Department of Environmental Protection

WW-6A4 (1/12)

Operator Well No. Ray Unit 3H Multiple Wells on Weekley Trust 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.

Date of Notic	ce: 01/08/2018		it Application Filed: 02/02/2018	permit application.
Delivery met	hod pursuant to West	Virginia Code § 22-	6A-16(b)	
Пинъ	E consu	CIEDAALII		
☐ HAND	■ CERTII		11000	
DELIVE	ERY RETUR	RN RECEIPT REQU	ESTED	
receipt reques drilling a hor of this subsec subsection ma	sted or hand delivery, givizontal well: Provided, ation as of the date the notate be waived in writing by	ve the surface owner That notice given pu otice was provided to by the surface owner.	notice of its intent to enter upon t ursuant to subsection (a), section to the surface owner: <i>Provided</i> , how	, an operator shall, by certified mail return he surface owner's land for the purpose of en of this article satisfies the requirements wever, That the notice requirements of this lude the name, address, telephone number, or's authorized representative.
	reby provided to the	A	ER(s):	
	d L. Weekley, Revocable Trust UT	Α /	Name:	
Address: 1619			Address:	
Den	n Center, OH 44401			
	vner's land for the purpo			
State: County:	West Virginia Ritchie		UTM NAD 83 Easting: Northing:	506577.50m (Approximate Pad Center) 4358031.88m (Approximate Pad Center)
State: County: District:	West Virginia Ritchie Clay		UTM NAD 83 Easting: Northing: Public Road Access:	506577.50m (Approximate Pad Center) 4358031.88m (Approximate Pad Center) CR-2/5
State: County: District: Quadrangle:	West Virginia Ritchie Clay Pennsboro 7.5"		UTM NAD 83 Easting: Northing:	506577.50m (Approximate Pad Center) 4358031.88m (Approximate Pad Center)
State: County: District:	West Virginia Ritchie Clay		UTM NAD 83 Easting: Northing: Public Road Access:	506577.50m (Approximate Pad Center) 4358031.88m (Approximate Pad Center) CR-2/5
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The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory 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) Operator Well No. Ray Unit 3H

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

Notice Time I Date of Notice	Requirement: notice shall be provide: 02/02/2018 Date Perr		er than the filing cation Filed: 02/0		application.
Delivery metl	nod pursuant to West Virginia Co	de § 22-6	6A-16(c)		
■ CERTIF	TIED MAIL	Пни	AND		
	N RECEIPT REQUESTED		ELIVERY		
return receipt the planned of required to be drilling of a hadamages to the (d) The notice of notice. Notice is here (at the address Name: David Address: 16191 Berlin Notice is here Pursuant to W	requested or hand delivery, give the peration. The notice required by the provided by subsection (b), section orizontal well; and (3) A proposed a surface affected by oil and gas open in the provided to the SURFACE OVER THE BUSINESS OF THE SURFACE OVER THE SURF	surface of his subseten of this surface trations to iven to the VNER(s) the time	owner whose land action shall includes article to a surfuse and compens the extent the date surface owner and contice): Name: Address:	I will be used for de: (1) A copy ace owner whose atton agreement amages are compatithe address list.	cation, an operator shall, by certified mail or the drilling of a horizontal well notice of of this code section; (2) The information see land will be used in conjunction with the at containing an offer of compensation for pensable under article six-b of this chapter, sted in the records of the sheriff at the time well operator has developed a planned act of land as follows:
State:	West Virginia		UTM NAD 8	3 Easting: Northing:	506555m
County: District:	Ritchie		Public Road		4358022m CR 2/5
Quadrangle:	Pennsboro 7.5'	_		ed farm name:	David L. Weekley Revocable Trust
Watershed:	North Fork Hughes River		Generally us	o min name.	Date of Frederick, Fernance Frederick
to be provided horizontal well surface affects information re	est Virginia Code § 22-6A-16(c), the distribution of the W. Va. Code § 22-6A-10(b) It, and (3) A proposed surface use and by oil and gas operations to the elated to horizontal drilling may be located at 601 57th Street, SE,	to a surfa nd compe extent the obtained	ace owner whose ensation agreeme e damages are co I from the Secret	e land will be unt containing an ompensable und ary, 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 www.dcp.wv.gov/oil-and-
Well Operator	* Antara Pasaureas Compration		Address:	1615 Weekeen Street	
Telephone:	Antero Resources Corporation (303) 357-7310		- Address.	1615 Wynkoop Stree	gi.
Email:	kquackenbush@anterpresources.com		Facsimile:	Denver, CO 80202 303-357-7315	
Oil and Gas P	rivacy Notice:	Linform	_		elephone number, as part of our regulatory

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.

BECEIVED
Office of Oil and Gas*

FEB 5 2018

WV Department of Environmental Protection



WEST VIRGINIA DEPARTMENT OF TRANSPORTATION

Division of Highways

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

Thomas J. Smith, P. E. Secretary of Transportation/ Commissioner of Highways

Jim Justice Governor

January 30, 2018

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 Trust Pad, Ritchie County
Ray Unit 3H Well site

Dear Mr. Martin,

This well site will be accessed from a DOH permit #03-2014-0551 which has been issued to Antero Resources Corporation for access to the State Road for a site located off of Ritchie County Route 2/5 SLS.

The 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 January 3, 2012.

Very Truly Yours,

Gary K. Clayton, P.E.

Regional Maintenance Engineer Central Office O&G Coordinator RECEIVED Office of Oil and Gas

FEB 5 2018

WV Department of Environmental Protection

Ce: Kara Quickenbush

Antero Resources Corporation

CH, OM, D-3

File

List of Anticipated Additives Used for Fracturing or 47 0 8 5 1 0 3 4 8 **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	1
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	1
Hydrotreated light distillates, non-aromatic, BTEX free	64742-47-8	
Isopropyl alcohol	67-63-0	1
liquid, 2,2-dibromo-3-nitrilopropionamide	10222-01-2	
Microparticle	Proprietary	1
Petroleum Distillates (BTEX Below Detect)	64742-47-8	
Polyacrylamide	57-55-6	
Propargyl Alcohol	107-19-7	1
Propylene Glycol	57-55-6	1
Quartz	14808-60-7	1
Sillica, crystalline quartz	7631-86-9	1
Sodium Chloride	7647-14-5	1
Sodium Hydroxide	1310-73-2	1
Sugar	57-50-1	1
Surfactant	68439-51-0	1
Suspending agent (solid)	14808-60-7	1
Tar bases, quinoline derivs, benzyl chloride-quaternized	72480-70-7	1
Solvent Naphtha, petroleum, heavy aliph	64742-96-7	1
Soybean Oil, Me ester	67784-80-9	1
Copolymer of Maleic and Acrylic Acid	52255-49-9	1
DETA phosphonate	15827-60-8	1
Hexamthylene Triamine Penta	34690-00-1	1
Phosphino Carboxylic acid polymer	71050-62-9	1
Hexamethylene Diamine Tetra	23605-75-5	1
2-Propenoic acid, polymer with 2 propenamide	9003-06-9	DEOL!!
Hexamethylene diamine penta (methylene phosphonic acid)	23605-74-5	RECEIVED ffice of Oil and Gas
	111-46-6	L _
Diethylene Glycol Methenamine	100-97-0	FEB 5 2018
	100-37-U	W Desertment of Formatical Freedom
Polyethylene polyamine	68603-67-8 Env	ronmental Fruedion
Coco amine	61791-14-8	4
2-Propyn-1-olcompound with methyloxirane	38172-91-7	Ĺ

WEEKLEY TRUST WELL PAD 8

LOCATION COORDINATES
ACCESS ROAD ENTRANCE
LATITUDE: 99.366897 LONGITUDE:
N 4357496.20 E 507302.94 (UTM ZONE 17 METERS)

CENTER OF TANK 3457744.83 39.369138 4.83 £ 50 507175.49 (UTM ZONE 17 METERS)

CENTROID OF PAD LATITUDE: 39.371729 LONGITUDE: N 4358031.88 E 508577.50 (UTM ZONE 17 METERS)

WVDEP OOG APPROVED 3 / 15 / 2017

GENERAL DESCRIPTION
THE ACCESS ROAD(S), WATER CONTAINMENT PAD, AND WELL PAD ARE BEING CONSTRUCTED THE DEVELOPMENT OF INDIVIDUAL MARCELLUS SHALE CAS WELLS. TO AID

FLOODPLAIN NOTE
THE PROPOSED SITE IS LOCATED WITHIN FEMA FLOOD ZONE "X" PER FEMA FLOOD MAP #54085C0125C

MISS UTILITY STATEMENT
ANTERO RESOURCES CORPORATION WILL NOTIFY MISS UTILITY OF WEST VIRGINIA FOR THE LOCATING OF
UTILITIES PRIOR TO THIS PROJECT DESIGN, TICKET \$1421955455. IN ADDITION, MISS UTILITY WILL BE
CONTACTED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION FOR THIS PROJECT.

ENTRANCE PERMIT
ANTERO RESOURCES CORPORATION WILL OBTAIN AN ENGROACHMENT PERMIT (FORM MM-109) FROM THE WEST VERGINA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS, PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES.

ENVIRONMENTAL NOTES

STREAM AND WETLAND DELINEATIONS WERE PERFORMED IN JUNE, 2012, & REEVALIATED MAY, 2016 & SEPTEMBER, 2015 BY ALISTAR ECOLOGY, LLC 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 DEPARKMENT OF ENVIRONMENTAL PROTECTION (WVDEP). THE OCTOBER 16, 2015 STREAM & WETLAND DELINEATION MAY WAS PERFARED BY ALISTAR ECOLOGY, LLC AND SUMMARZESS THE RESULTS OF THE FIELD DELINEATION. THE MAP DOES NOT, IN ANY WAY, REPRESENT A JURISDICTIONAL DEPARTMENT ON OF THE LANDWARD LIMITS OF WATERS AND WETLANDS WHICH MAY HE REGULATED BY THE USACE OR THE WVDEP.

A SUBSURFACE INVESTIGATION

A SUBSURFACE INVESTIGATION OF THE PROPOSED SITE WAS PERFORMED BY PENNSYLVANIA SOIL & ROCK, INC. BETWEEN AUGUST 10, 2014 & SEPTEMBER 06, 2014. THE REPORT PREPARED BY PENNSYLVANIA SOIL & ROCK, INC. DATED SEPTEMBER 22, 2014, REVISED NOVEMBER 10, 2015, REPLECTS THE RESULTS OF THE SUBSURFACE INVESTIGATION. THE INFORMATION AND RECOMMENDATIONS CONTAINED IN THIS REPORT WERE USED IN THE PREFARATION OF THESE PLANS, PLEASE REPORT OF THE SUBSURFACE INVESTIGATION. THESE PLANS, PLEASE REPORT OF THE SUBSURFACE INVESTIGATION OF THESE PLANS, PLEASE REPORT OF THE SUBSURFACE INVESTIGATION.

PROJECT CONTACTS

OPERATOR:
ANYERO RESOURCES CORPORATION
ANYERO RESOURCES CORPORATION
535 WHITE DAKS BLVD.
BRIDGEPORT, WV 26330
PHONE: (304) B42-4100

(304) 842 -4102

ENGINEER/SURVEYOR:
NAVITUS S. KIMP. PE - PROJECT MANAGER/ENGINEER
CYRUS S. KIMP. PE - PROJECT MANAGER/ENGINEER
DFFICE: (888) 682-4185 CELL: (540) 686-6747

RENEE HECKEL - LAND AGENT CELL (304) 614-7053

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

JON MCEVERS - OPERATIONS SUPERINTENDENT OFFICE: (303) 357-8799 CELL: (303) 808-2423

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

GEOTECHNICAL:
PENNSYINA SOIL & ROCK, INC.
PENNSYIOPHER W. SAMOS-PROJECT ENGINEER
OFFICE: (412) 372-4000 CELL: (412) 589-0682

ENVIRONMENTAL:
ALLSTAR ECCLOSY, LLC
RYAN L. WAND - ENVIRONMENTAL SCIENTIST
OFFICE: (666) 213-2666 CELL: (304) 692-7477

B. WIRKS - FIELD (304) 842-4100

CHARLES E. COMPTON, III - SURVEYING COORDINATOR CELL: (304) 719-6449 CELL: (304) 627-7405

- RESTRICTIONS NOTES:

 1. There are no perennial streams, lakes, ponds, or reservoirs within pad and lod, there is a wetland adjacent to access road "a" that w WILL REMAIN UNDISTURBED
- THERE ARE NO NATURALLY PRODUCING TROUT STREAMS WITHIN 300 FEET OF THE WELL FAD AND LOD.
- THERE ARE NO WELL PAD AND GROUNDWATER INTAKE OR PUBLIC LOD. WATER SUPPLY FACILITIES WITHIN 1000 FEET OF THE
- THERE ARE NO WELL(S) BEING DRILLED APPARENT EXISTING WATER WELLS OR DEVELOPED SPRINGS WITHIN 250 FEET
- THERE ARE NO OCCUPIED DWELLING STRUCTURES WITHIN 625 FEET OF THE CENTER OF THE WELL PAD
- THERE ARE NO AGRICULTURAL CENTER OF THE WELL PAD. BUILDINGS LARGER THAN 2,500 SQUARE FEET WITHIN 625 FEET OF THE

REPRODUCTION NOTE

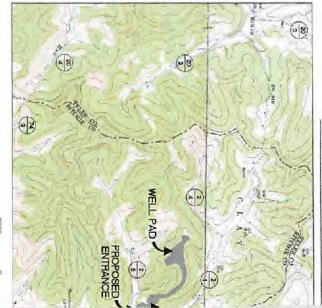
HALF SCALE PLOTTED ON (ANSI PAPER

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

EROSION & SEDIMENT SITE DESIGN & CONS

CABIN RUN-NORTH FORK HUGHE CLAY DISTRICT, RITCHIE COUN

USGS 7.5 MIDDLEBOURNE & PEN







WEST VIRGINIA COUNTY MAP



0

(NOT TO SCALE)

DESIGN CERTIFICATION
THE DRAWINGS, CONSTRUCTION NOTES,
AND REFERENCE DIAGRAMS ATTACHED
HERETO HAVE BEEN PREPARED IN
ACCORDANCE WITH THE WEST VIRGINIA
CODE OF STATE RULES, DIVISION OF
ENVIRONNENTAL PROTECTION, OFFICE
OF OIL AND GAS CRS 35-8. CERTIFICATION NOTES.

ATER CONTAINMENT PAD

8 Un

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RUCTION PLAN,

Y, WEST VIRGINIA RIVER WATERSHED





WATER CONTAINMENT PAD

AMATION PLAN AMATION PLAN TECHNICAL DETAILS

ATER CONTAINMENT PAD R CONTAINMENT PAD



E SYSTEM NORTH ZONE, NADBS
ELEVATION BASED ON NAVDBS
ESTABLISHED BY SURVEY GRADE GPS & OPUS
POST-PROCESSING

-	0		0
WEST VIRGINIA		PLANE	COORDINATI

IENT PAD GRADING PLAN NG PLAN GULVERT PROFILES

NS. STRUCTURES & FEATURES
EET INDEX & VOLUMES
ATER CONTAINMENT PAD PLAN

Total Site	Impacts to David L. Weekley, Trustee of the David L. Weekley Revocable Trust UTA TM 3-10	Access Road "A" (749')	Access Road "B" (2,486")	WellPad	Water Containment Pad	Excess/Topsoil Material Stockpiles	Total Affected Area	Total Wooded Acres Disturbed
	Veek	2.72	10.67	8.15	3.70	7.63	32.87	30.22

\$ P

WVDOH COUNTY

ROAD MAP

Well Pad Elevation	Unit 2H	Goliad	Unit 1H	Gollad	Unit 4H	Cinqmars	Unit 3H	Cinqmars	Unit 2H	Cinqmars	Unit 1H	Cinqmars	Unit 3H	Swartzmiller	Unit 2H	Swartzmiller	Unit 1H	Swartzmiller	Unit 3H	Ray	Unit 2H	Ray	Unit 1H
1.735.0	E 1597511.18	N 320644.06	E 1597501.29	N 320642.59	E 1597491.40	N 320541.11	E 1597481.51	N 320639.64	E 1597471.52	N 320638.16	E 1597461.73	N 320536.69	E 1597451.84	N 320635 21	E 1597441.95	N 320633.74	E 1597432.06	N 320632.26	E 1597422.17	N 320630.79	E 1597412.28	N 320629.32	E 1597402.38
	E 1566070.12	N 320878.38	E 1566060.23	N 320676.91	E 1566050.33	N 320075,44	E 1566040.44	N 320673.96	E 1566030.55	N 320672.49	E 1556020 66	N 320671.01	E 1566010.77	N 320669.54	E 1566000 88	N 320668.06	E 1565990 99	N 320665.59	E 1565981.10	N 320565 11	E 1565971.21	N 320563.64	E 1565961.32
	E 506562.34	N 4358026,44	E 506579.33	N 4358025.94	E 506576.33	N 4358025.44	E 506573 32	N 4358024.94	E 506570 31	N 4358024 44	E 506567.31	N 4358023.94	E 506564.30	N 4358023 44	E 506561,30	N 4358022 94	E 506558.29	N 4358022.44	E 506555.29	N 4358021 94	E 506552.28	N 4358021.44	E 506549.28
	LONG -80-55-24.8982	LAT 39-22-18.0488	LONG -80-55-25 0239	LAT 39-22-18.0327	LONG -80-55-25 1495	LAT 39-22-18.0165	LONG -80-55-25 2751	LAT 39-22-18.0004	LONG -80-55-25 4008	LAT 39-22-17 9843	LONG -80-55-25 5264	LAT 39-22-17 9682	LONG -80-55-25 6520	LAT 39-22-17-9520	LONG 80 55-25,7777	LAT 39-22-17 9359	LONG -80-55-25 9033	LAT 39-22-17-9198	LONG -80-55-26.0290	LAT 39-22-17 9037	LONG -80-55-26 1546	LAT 39-22-17 8875	LONG -80-55-26 2802

Environmental Protection

Shapartment cos

SCALE

AS SHOWN

DATE 17/16/2015

(Section XIV: C Requires that business days be

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MISS Utility of West Virginia 1-800-245-4848 West Virginia State Law (Section XIV: Chapter 24-C)

COVER SHEET

WEEKLEY TRUST

WELL PAD & WATER CONTAINMENT PAD
CLAY DISTRICT
RITCHIE COUNTY, WEST VIRGINIA



	REVISION
01/18/2017 REVISED FOR CONSTRUCTION	UPDATED PER SURFACE CONFIG
	UPDATED PER SURFACE CONFIG
02/16/2017 REVISED PER DEP COMMENTS	REVISED FOR CONSTRUCTION
	REVISED PER DEP COMMENTS



CONTRUCTION AND ENS CONTROL NOTES

Telephone: (888) 662-4185 | www.NavitusEng.com

