

#### 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 Jim Justice, Governor Austin Caperton, Cabinet Secretary www.dep.wv.gov

# September 7, 2017 PERMIT MODIFICATION APPROVAL Horizontal 6A / New Drill

BRC OPERATING COMPANY, LLC 200 CRESCENT COURT, SUITE 1900

DALLAS, TX 75201

Re: Permit Modification Approval for WR INFANTRY 1-1H

47-067-00948-00-00

Modified Well Bore Path

#### BRC OPERATING COMPANY, LLC

The Office of Oil and Gas has reviewed the attached permit modification for the above referenced permit. The attached modification has been approved and well work may begin. Please be reminded that the oil and gas inspector is to be notified twenty-four (24) hours before 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: WR INFANTRY 1-1H Farm Name: PLUM CREEK TIMBERLANDS LP U.S. WELL NUMBER: 47-067-00948-00-00

Horizontal 6A / New Drill Date Issued: September 7, 2017

Promoting a healthy environment.

API NO. 47-087	- 00948
	WELL NO. WR Infantry 1-1H
Mell Pad Na	

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

	DDC Onor	oting Co. LLC	494489323	Nicholas	Wilderne:	Mount Nebo, WV
() Well Operat	or: BRC Opera	aui ig 00., LLO	Operator ID	County	District	Quadrangle
2) Operator's V	Well Number: W	R Infantry 1-1H		ad Name: WR		
3) Farm Name/	Surface Owner:	WestRock/Weyerhad	euser Co. Public Ro	ad Access: W	V DOT Infar	try Rd.
	urrent ground:		Elevation, proposed			*
5) Well Type	(a) Gas X Other		Un			
	(b)If Gas Sha	allow X	Deep			
S Existing Pad	Yes or No No					
7) Proposed Ta	rget Formation(s	s), Depth(s), Ant 262'-7302' / 40' /2	icipated Thickness 2800#	and Expected		<u> </u>
3) Proposed To	tal Vertical Dept	ш.	97' 25-05	-25. Q		5-17
) Formation at	t Total Vertical I				- And	1/1/
	otal Measured D			0 8-25	117	9-6-17 8
1) Proposed H	Iorizontal Leg Le	ength: Y500x	5,500'	0 8-0	1-11	7-6112
	te Fresh Water S		24001			
	Determine Fresh		WVGES			
4) Approxima	te Saltwater Dep	oths: 2578'				<del></del>
5) Approxima	te Coal Seam De	epths: 224', 400	', 631' to base at	780'		
6) Approxima	te Depth to Poss	ible Void (coal n	nine, karst, other):	None anticip	ated	
7) Does Propo	sed well location	n contain coal se an active mine?	ams		To X	
	ovide Mine Info:					
		Depth:				
		Seam:				
		Owner:				

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API NO. 47-067 - 00948

OPERATOR WELL NO. WR Infantry 1-1H

Well Pad Name: WR Pad 7

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	22	N	H-40	94.0	113	113	CTS, 120 cf
Fresh Water	18-5/8	N	K-55	87.5	2500 1400	2580 1400	CTS,3138 cf
Intermed#1	13-3/8	N	K-55	54.5	5700	5700	CTS, 4082 cf
	9-5/8	N	L-80	47.0	6700	6700	CTS,2380 cf
Intermed#2			L-80	26.4	7269	869	72 cf
Intermed#3*	5-1/2	N	P-110	23	XX4050X	XX1950X,	CTS,X3537 cf
Production Liners	2-3/8	N	N-80	4.7	14,184	14950x	0

14,184'

\* Contingent

TYPE	Size (in)	Wellbore Diameter (in)	Wall Thickness (in)	Burst Pressure (psi)	Anticipated  Max. Internal  Pressure (psi)	Cement Type	Cement Yield (cu. ft./k)
Conductor	22	26	.438			Class A	1.18
Fresh Water	18-5/8	24	.460	2250	50	HalCem	1.21
	13-3/8	17-1/2	.380	2730	1000	HalCem	1.21
Intermed#1		12.25	.472	6870	1500	VeriCem/HalCem	1.61 Lead/1.07 Tall
Intermed#2	9-5/8	8-1/2	.328	6020		VariCem/HaiCem	1.06 Tail
Intermed#3	7-5/8		.415	13580	2800	HalCem	1.29 Tail
Production	5-1/2	8-1/2		11200			
Liners	2-3/8	4.67	.19	11200			

## **PACKERS**

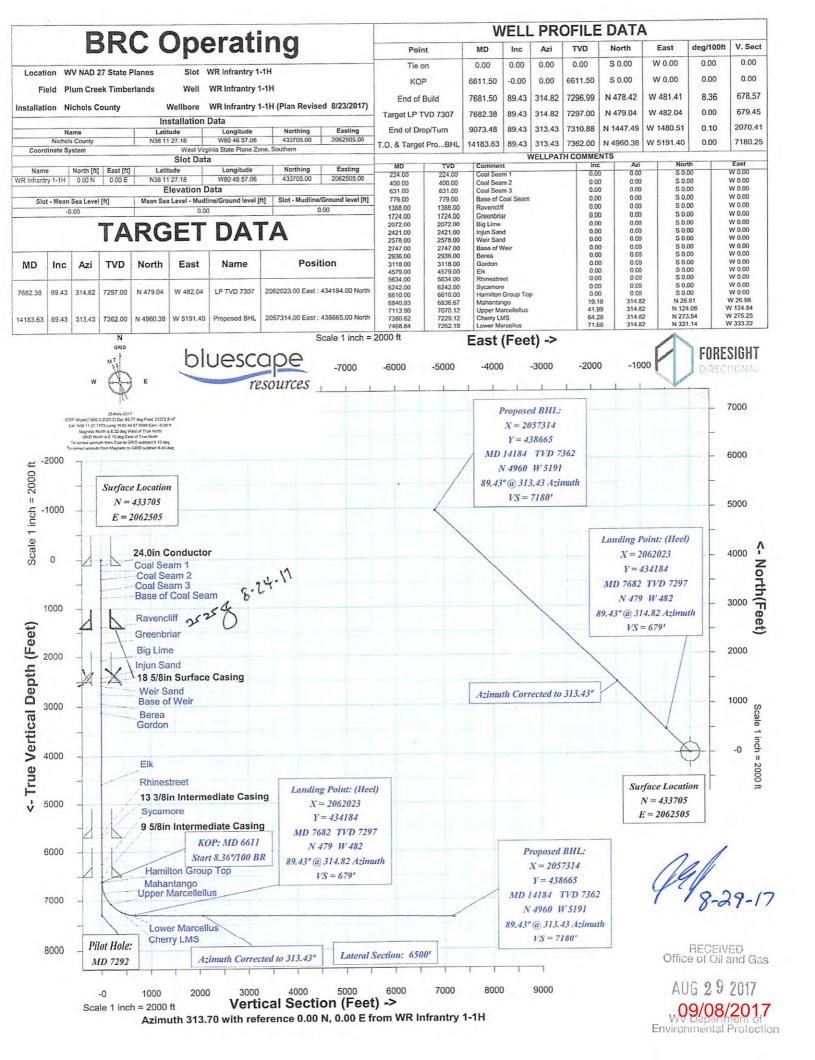
Kind:	
Sizes:	
Depths Set:	

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3400 cf



**HORIZONTAL GENERAL COMPLETION PLAN:** This well will be completed as a multi-stage horizontal well with multi-stage slickwater fracture stimulation.

- 1. Install frac valve and control equipment/casing pressure testing equipment.
- 2. MIRU work over unit
- 3. Pick-up BHA with bit, scraper and motor.
- 4. Run TCP gun to bottom of formation, positioned at TMD of XX,950X 14,184'
- 5. Position and fire gun into formation, 4 SPF and 90 degree phasing at 2' length.
- 5. RD.
- Run to bottom of hole to check for residual cement and clean 5-1/2" casing out to float collar or within 10' of the float collar.
- 8. POOH and RU wire-line / electric line unit.
- Run CBL with 1,000 to 2,500 psi to ensure accurate reading of the cement bond formation and pipe.
- 10. POOH with CBL.
- 11. Bleed down pressure.
- 12. POOH and RD work over unit.
- 13. RU coiled tubing unit.
- TIH clean out casing and circulate with biocide treated water.
- RU test pump and test casing to 20% above anticipated stimulation pressure. Hold for 15 minutes and chart pressure.
- 16. RU stimulation equipment and associated equipment necessary for stimulation operations.
- 17. Breakdown formation by individual stages.
- 18. Pull coiled tubing unit from well.
- 19. RD coiled tubing unit.
- 20. RD frac equipment.
- 21. RU wireline unit.
- 22. Run Gr and CBL from LP to top of cement.
- 23. Run GR to surface.
- 24. Go in hole with production packer.
- 25. Set packer.
- 26. Rd equipment.
- 27. RU 10,000 psi BOP.
- 28. RU work over unit.
- 29. GIH with 2-3/8" production tubing.
- 30. NU wellhead and pump out plug.
- 31. Initiate flowback.
- 32. Record flowback volumes and rates.
- 33. Maintain haul-off to disposal.

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**WW-6A1** (5/13)

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

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

- (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
Mead Westvaco	MWV Community Development and Land Management, LLC	BRC Operating Company, LLC	1/8	485 / 219

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

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

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

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

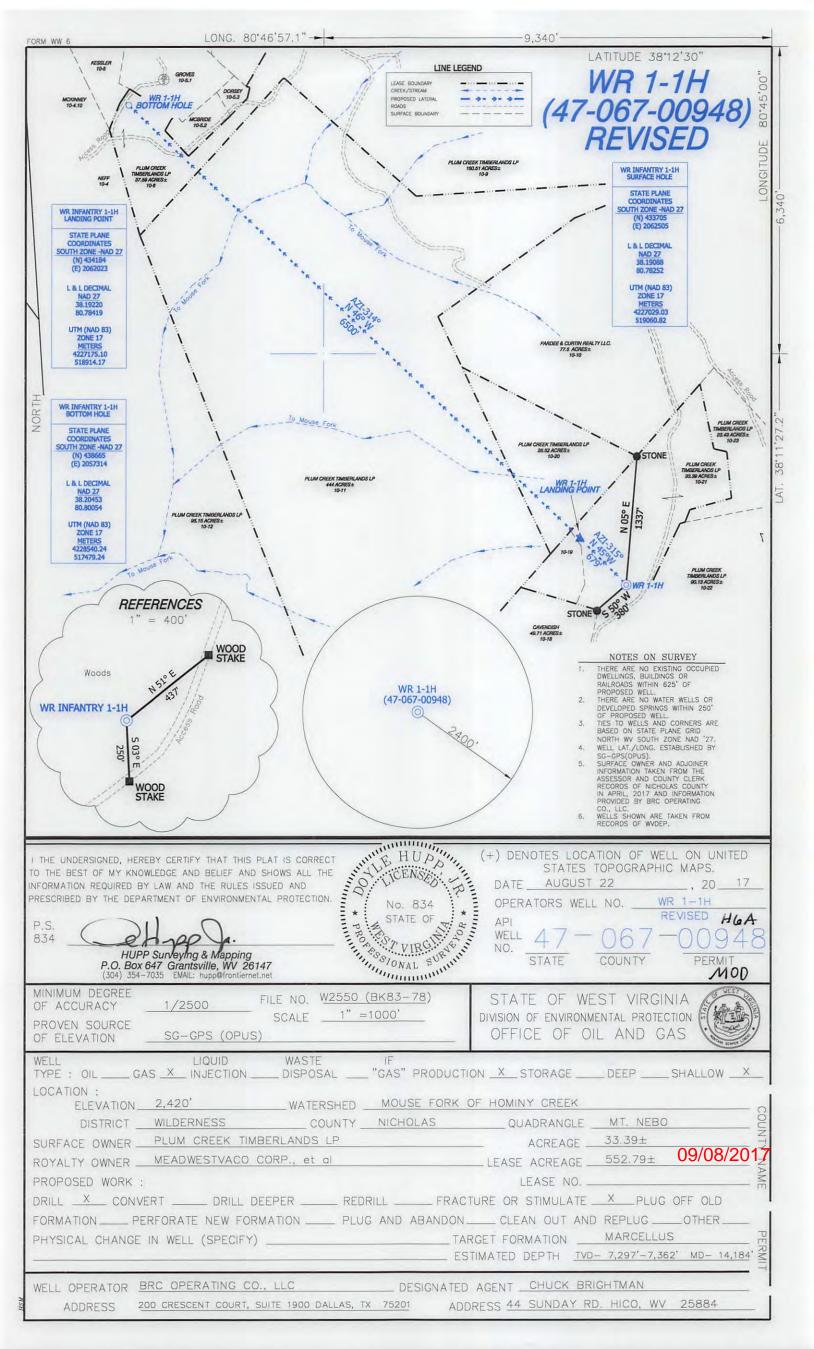
> Well Operator: BRC Operating Company, LLC By: Chad A. Touchet Its: Vice President

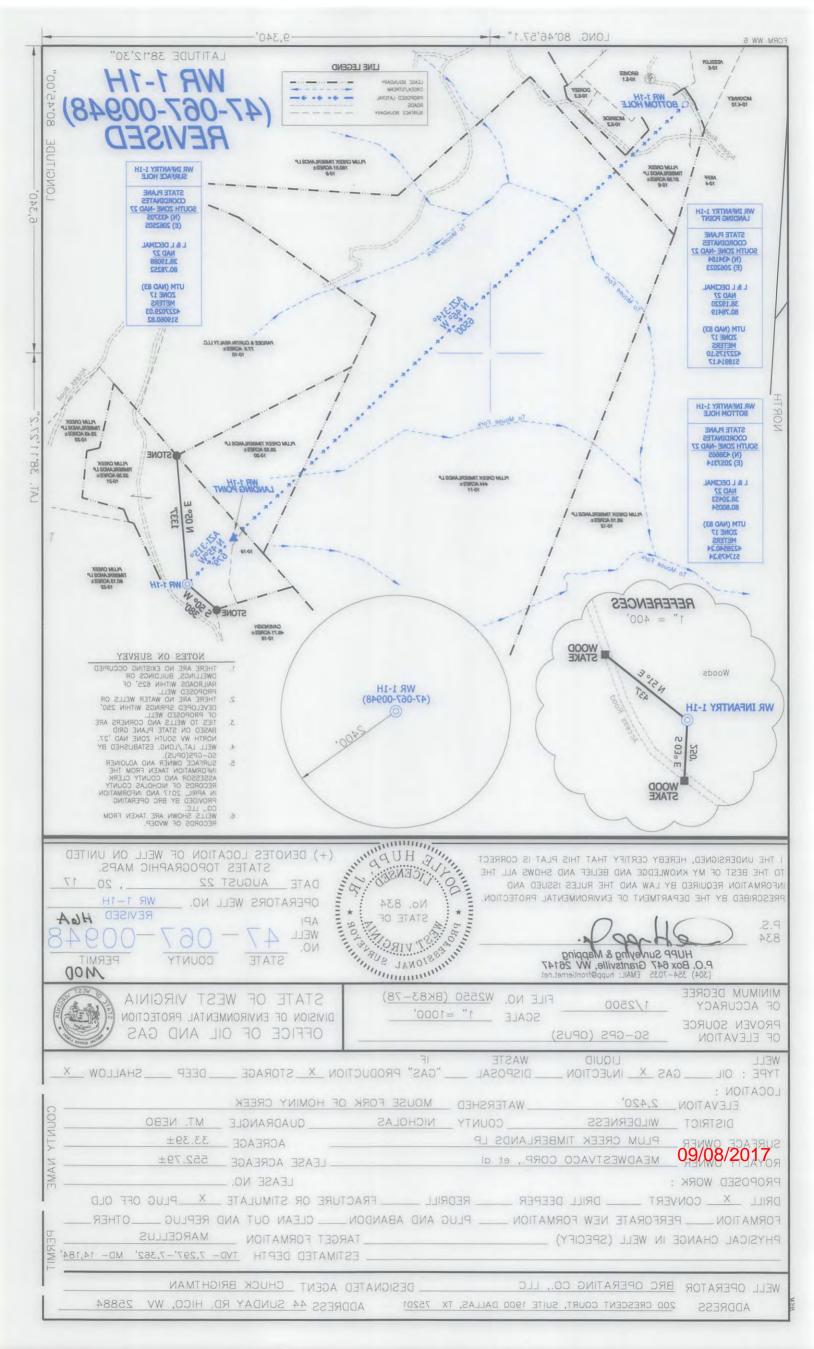
Chad Touchet Resources, ou, email=catouchet@bluescapegroup.com,

Digitally signed by Chad Touchet DN: cn=Chad Touchet, o=Bluescape

Page 1 of 1

c=US Date: 2017.09.01 07:42:43 -05'00'





API NO. 47 <sup>067</sup>	00948
OPERATOR WELL	NO. WR Infantry 1-1H R
Well Pad Name: WRI	Pad 7

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

Notice Time Requirement: notice shall be provided	no later than the filing date of permit application.
Date of Notice: 8-22-17 Date Permit Application Notice of:	Filed:
<del></del>	TE OF APPROVAL FOR THE TION OF AN IMPOUNDMENT OR PIT
Delivery method pursuant to West Virginia Code	§ 22-6A-10(b)
☐ PERSONAL ☑ REGISTERED	■ METHOD OF DELIVERY THAT REQUIRES A
SERVICE MAIL	RECEIPT OR SIGNATURE CONFIRMATION
sediment control plan required by section seven of this a the surface of the tract on which the well is or is propose oil and gas leasehold being developed by the proposed well described in the erosion and sediment control plan submanagement or lessee, in the event the tract of land on which preparator or lessee, in the event the tract of land on which more coal seams; (4) The owners of record of the surface well work, if the surface tract is to be used for the placer mpoundment or pit as described in section nine of this a management of this and the place or ovide water for consumption by humans or domestic a proposed well work activity is to take place. (c)(1) If most subsection (b) of this section hold interests in the lands, records of the sheriff required to be maintained pursuant provision of this article to the contrary, notice to a lien h	es a receipt or signature confirmation, copies of the application, the erosion and article, and the well plat to each of the following persons: (1) The owners of record of ed to be located; (2) The owners of record of the surface tract or tracts overlying the well work, if the surface tract is to be used for roads or other land disturbance as a suitted pursuant to subsection (c), section seven of this article; (3) The coal owner, in the well proposed to be drilled is located [sic] is known to be underlain by one or e tract or tracts overlying the oil and gas leasehold being developed by the proposed ment, construction, enlargement, alteration, repair, removal or abandonment of any article; (5) Any surface owner or water purveyor who is known to the applicant to within one thousand five hundred feet of the center of the well pad which is used to mimals; and (6) The operator of any natural gas storage field within which the are than three tenants in common or other co-owners of interests described in the applicant may serve the documents required upon the person described in the ato section eight, article one, chapter eleven-a of this code. (2) Notwithstanding any solder is not notice to a landowner, unless the lien holder is the landowner. W. Va. shall also provide the Well Site Safety Plan ("WSSP") to the surface owner and any after testing as provided in section 15 of this rule.
☑ Application Notice ☑ WSSP Notice ☑ E&S P	lan Notice
SURFACE OWNER(s)	☐ COAL OWNER OR LESSEE
Name: Weyerhaeuser Company	Name: Highland Mineral Resources, LLC / Legal Dept.
Address: 14410 Seneca Trail North	Address: Five Concourse Parkway, Suite 1650
ewisburg, WV 24901	Atlanta, Georgia 30328
Name: Weyerhaeuser Company	COAL OPERATOR
Address: 220 Occidential Ave. South	Name:
eattle, Washington 98104	Address:
SURFACE OWNER(s) (Road and/or Other Disturb	ance)
Vame:	☐ SURFACE OWNER OF WATER WELL
Address:	AND/OR WATER PURVEYOR(s)
	Name:
Vame:	Address:
Address:	
OURT OF OUR ITTER	OPERATOR OF ANY NATURAL GAS STORAGE FIELD
SURFACE OWNER(s) (Impoundments or Pits)	Name:
Name:	Address:
Address:	4D1 1 10: 10
	*Please attach additional forms if necessary
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09/08/2017

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API NO. 47-067 - 0094

OPERATOR WELL NO. WR Infantry 1-1H R

Well Pad Name: WR Pad 7

Notice is hereby given:

WV Department of Environmental Protection

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 57<sup>th</sup> Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting <a href="www.dep.wv.gov/oil-and-gas/pages/default.aspx">www.dep.wv.gov/oil-and-gas/pages/default.aspx</a>.

#### 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. 47-067 \_ 00948

OPERATOR WELL NO. WR Infantry 1-1H R

Well Pad Name: WR Pad 7

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:

| RECEIVED Office of Oil and Gas

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

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WV Department of Environmental Protection

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

API NO. 47-067 - 00948

OPERATOR WELL NO. WR Infantry 1-1H R

Well Pad Name: WR Pad 7

### 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 <a href="http://www.dep.wv.gov/oil-and-gas/Horizontal-Permits/Pages/default.aspx">http://www.dep.wv.gov/oil-and-gas/Horizontal-Permits/Pages/default.aspx</a> 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.



(8-13)	OPERATOR WELL NO. WR Infantry 1-1H R Well Pad Name: WR Pad 7
Notice is hereby given by: Well Operator: BRC Operating Company, LLC Telephone: 817-739-4410 (C) 469-398-2232 (O)	Address: 200 Crescent Court, Suite 1900 Dallas, Texas 75201
Email: catouchet@bluescapegroup.com	Facsimile:
duties. Your personal information may be disclosed to peeded to comply with statutory or regulatory regulatory regulatory.	formation, such as name, address and telephone number, as part of our regulatory to other State agencies or third parties in the normal course of business or as uirements, including Freedom of Information Act requests. Our office will a have any questions about our use or your personal information, please contact agov.
	Subscribed and sworn before me this day of  Notary Public
	My Commission Expires

API NO. 47-067

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# 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 Notice				
Deliv	ery meth	od pursuant	to West Virginia Code	§ 22-6A-16(b)	
	HAND	п	CERTIFIED MAIL		
I	DELIVE	RY	RETURN RECEIPT R	EQUESTED	
receip drillin of this subse	ot request g a horize s subsection may	ed or hand del contal well: Paion as of the de be waived in	livery, give the surface of provided, That notice give ate the notice was provide writing by the surface of	wher notice of its intent to enter upon the pursuant to subsection (a), section to ded to the surface owner: <i>Provided</i> , however.	, an operator shall, by certified mail return the 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.
Notic	e is her	eby provided	d to the SURFACE C	OWNER(s):	
		user Company			any-Energy and Natural Resources
	ess: 14410 ourg, WV 249	Seneca Trail North		Address: 220 Occidental Av Seattle, Washington 98104	e. South
Pursu	ant to Worface ow	eby given: est Virginia Coner's land for the West Virginia	ode § 22-6A-16(b), notion the purpose of drilling a	horizontal well on the tract of land as for Easting:	well operator has an intent to enter upon ollows: 519061
Pursu the su State: Count Distri	ant to Werface own ty: ct: rangle:	est Virginia Coner's land for	ode § 22-6A-16(b), notion	horizontal well on the tract of land as for	ollows:
Pursuthe su State: Count Distri Quadi Water This Pursufacsin	ant to Worface own  ty: ct: rangle: rshed:  Notice S  ant to Worlie num  d to hori:	est Virginia Coner's land for West Virginia Nicholas Wilderness Mount Nebo Hominy Creek Shall Include Yest Virginia ber and electrontal drilling	e: Code § 22-6A-16(b), the may be obtained from the	horizontal well on the tract of land as for the control of the con	ollows: 519061 4227029 Bruce Rd. (WV County Route 26)
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Pursuthe su State: Count Distri Quadi Water  This Pursufacsin related locate  Notic Well (  Addre  Dallas, Telep	ant to Worface owners:  ct: ct: cangle: cshed:  Notice S ant to Wonile num d to horized at 601 ce is her Operator: css:  Texas 7520 hone:	est Virginia Coner's land for the West Virginia Nicholas Wilderness Mount Nebo Hominy Creek  Shall Include Yest Virginia Cober and electric and electric and drilling 57th Street, SE  eby given by  BRC Operating 220 Crescent Contact Contac	e: Code § 22-6A-16(b), the may be obtained from the control of the	horizontal well on the tract of land as for the control of the con	bollows: 519061 4227029 Bruce Rd. (WV County Route 26) Mead Westvaco  ress, telephone number, and if available, ted representative. Additional information of Environmental Protection headquarters, ep.wv.gov/oil-and-gas/pages/default.aspx.  Chuck Brightman P.O. Box 231  304-880-8121
Pursuthe su State: Count Distri Quadi Water  This Pursufacsin related locate  Notic Well Addre Dallas,	ant to Worface owners:  ct: ct: cangle: rshed:  Notice S ant to Wonile num d to horized at 601  ce is her Operator: css: Texas 7520 hone:	est Virginia Coner's land for twest Virginia Nicholas Wilderness Mount Nebo Hominy Creek Shall Include est Virginia (ber and electricated drilling) 57th Street, SE eby given by BRC Operating 220 Crescent Conercial	e: Code § 22-6A-16(b), the ronic mail address of the may be obtained from the control of the con	horizontal well on the tract of land as for the control of the con	bollows: 519061 4227029 Bruce Rd. (WV County Route 26) Mead Westvaco  ress, telephone number, and if available, and representative. Additional information of Environmental Protection headquarters, ep.wv.gov/oil-and-gas/pages/default.aspx.  : Chuck Brightman P.O. Box 231

duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact

DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

Office of Oil and Gas

WW-6A5 (1/12)

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

Dallmann	thad annual to West Visit to	-d- 8 22 (4 1(/-)		
Delivery me	thod pursuant to West Virginia C	ode § 22-6A-16(c)		
CERTI	FIED MAIL	☐ HAND		
	RN RECEIPT REQUESTED	DELIVERY		
return receipt the planned of required to be drilling of a damages to th (d) The notice of notice.	requested or hand delivery, give the operation. The notice required by a provided by subsection (b), section horizontal well; and (3) A propose as surface affected by oil and gas on the surface affected by this section shall be a surface affected by this section shall be	this subsection shall in this subsection shall in the ten of this article to a s d surface use and comp perations to the extent the given to the surface own	and will be used for the copy of the copy	ication, an operator shall, by certified mail for the drilling of a horizontal well notice of of this code section; (2) The information se land will be used in conjunction with the nt containing an offer of compensation for apensable under article six-b of this chapter, sted in the records of the sheriff at the time
	eby provided to the SURFACE O			
(at the addres	s listed in the records of the sheriff		Mayorhooyaar Comm	pany-Energy and Natural Resources
NI Mounthe				
Name: Weyerha				
	0 Seneca Trail North	Add	ess: 220 Occidental Ave, Washington 98104	
Address: 1441 Lewisburg, WV 24	0 Seneca Trail North 1901 eby given:	Add Seat	ess: 220 Occidental Av e, Washington 98104	ve. South
Address: 1441 Lewisburg, WV 24  Notice is here Pursuant to W operation on State: County: District: Quadrangle:	eby given: /est Virginia Code § 22-6A-16(c), the surface owner's land for the pu West Virginia Nicholas Wilderness Mount Nebo	Add Seat  notice is hereby given the pose of drilling a horizo  UTM NAI  Public Ros	ess: 220 Occidental Ave., Washington 98104  t the undersigned ntal well on the transport Easting: Northing:	well operator has developed a planned
Address: 1441 Lewisburg, WV 24  Notice is her- Pursuant to W operation on State: County: District: Quadrangle: Watershed:	eby given: /est Virginia Code § 22-6A-16(c), rest Virginia Code stand for the puwest Virginia Nicholas Wilderness Mount Nebo Hominy Creek	Add Seat  notice is hereby given the pose of drilling a horizo  UTM NAI  Public Ros	ess: 220 Occidental Ave., Washington 98104  t the undersigned ntal well on the transport Easting: Northing: d Access:	well operator has developed a planned act of land as follows:  519061  4227029  Bruce Rd. (WV County Rt. 26)
Address: 1441 Lewisburg, WV 24  Notice is here Pursuant to W operation on State: County: District: Quadrangle: Watershed:  This Notice S Pursuant to W to be provide horizontal we surface affect information re	eby given:  Vest Virginia Code § 22-6A-16(c), 1 the surface owner's land for the pu  West Virginia  Nicholas  Wilderness  Mount Nebo  Hominy Creek  Shall Include:  Vest Virginia Code § 22-6A-16(c), 1 d by W. Va. Code § 22-6A-10(b) Il; and (3) A proposed surface use ed by oil and gas operations to the elated to horizontal drilling may b located at 601 57 <sup>th</sup> Street, SE,	Add Seat  notice is hereby given the rpose of drilling a horizo  UTM NAI  Public Ros Generally  this notice shall include: to a surface owner when dompensation agrees extent the damages are e obtained from the Sec	ess: 220 Occidental Ave., Washington 98104  It the undersigned that well on the transport of transport of the transport of th	well operator has developed a planned act of land as follows:  519061  4227029  Bruce Rd. (WW County Rt. 26)  Mead Westvaco  code section; (2) The information required used in conjunction with the drilling of a n offer of compensation for damages to the der article six-b of this chapter. Additional Department of Environmental Protection
Address: 1441 Lewisburg, WV 24  Notice is here Pursuant to Woperation on State: County: District: Quadrangle: Watershed:  This Notice S Pursuant to Wood to be provided horizontal we surface affect information recheadquarters, gas/pages/defi	eby given:  Vest Virginia Code § 22-6A-16(c), rest Virginia Code § 22-6A-16(c), rest Virginia Code § 22-6A-16(c), rest Virginia  Nicholas  Wilderness  Mount Nebo Hominy Creek  Vest Virginia Code § 22-6A-16(c), rest Virginia Code § 22-6A-10(b) foll; and (3) A proposed surface use ed by oil and gas operations to the elated to horizontal drilling may be located at 601 57th Street, SE, ault.aspx.	Add Seat  notice is hereby given the rpose of drilling a horizo  UTM NAI  Public Ros Generally  this notice shall include: to a surface owner when dompensation agrees extent the damages are e obtained from the Sec	ess: 220 Occidental Ave., Washington 98104  It the undersigned ntal well on the transport of the Easting: Northing: d Access: used farm name:  (1)A copy of this ose land will be nent containing are compensable understary, at the WV4 (304-926-0450)	well operator has developed a planned act of land as follows:  519061  4227029  Bruce Rd. (WW County Rt. 26)  Mead Westvaco  code section; (2) The information required used in conjunction with the drilling of an offer of compensation for damages to the der article six-b of this chapter. Additional Department of Environmental Protection or by visiting www.dep.wv.gov/oil-and-
Address: 1441 Lewisburg, WV 24  Notice is here Pursuant to W operation on State: County: District: Quadrangle: Watershed:  This Notice S Pursuant to W to be provide horizontal we surface affect information re headquarters,	eby given:  Vest Virginia Code § 22-6A-16(c), rest Virginia Code § 22-6A-16(c), rest Virginia Code § 22-6A-16(c), rest Virginia  Nicholas  Wilderness  Mount Nebo Hominy Creek  Vest Virginia Code § 22-6A-16(c), rest Virginia Code § 22-6A-10(b) foll; and (3) A proposed surface use ed by oil and gas operations to the elated to horizontal drilling may be located at 601 57th Street, SE, ault.aspx.	Add Seat  notice is hereby given the rpose of drilling a horizo  UTM NAI  Public Ros Generally  this notice shall include: to a surface owner when and compensation agrees extent the damages are cobtained from the Sec Charleston, WV 2530	ess: 220 Occidental Ave., Washington 98104  It the undersigned that well on the trace and the trace and the second	well operator has developed a planned act of land as follows:  519061  4227029  Bruce Rd. (WW County Rt. 26)  Mead Westvaco  code section; (2) The information required used in conjunction with the drilling of an offer of compensation for damages to the der article six-b of this chapter. Additional Department of Environmental Protection or by visiting www.dep.wv.gov/oil-and-

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 <a href="mailto:depprivacyofficer@wv.gov">depprivacyofficer@wv.gov</a>.

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09/08/2017

WV Department of Environmental Protection