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west virginia department of environmental protection

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

Austin Caperton, Cabinet Secretary  
[www.dep.wv.gov](http://www.dep.wv.gov)

Wednesday, June 19, 2019  
WELL WORK PLUGGING PERMIT  
Horizontal Plugging

BRC OPERATING COMPANY, LLC  
200 CRESCENT COURT, SUITE 1900  
DALLAS, TX 75201

Re: Permit approval for MWV RUPERT 3H  
47-067-00944-00-00

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.

Upon completion of the plugging well work, the above named operator will reclaim the site according to the provisions of WV Code 22-6-30. Please be advised that form WR-38, Affidavit of Plugging and Filling Well, 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: MWV RUPERT 3H  
Farm Name: WEYERHAEUSER COMPANY  
U.S. WELL NUMBER: 47-067-00944-00-00  
Horizontal Plugging  
Date Issued: 6/19/2019

## PERMIT CONDITIONS

West Virginia Code §22-6-11 allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

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### CONDITIONS

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1. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
2. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
3. Well work activities shall not constitute a hazard to the safety of persons.

47-067-00944 H P

WW-4B  
Rev. 2/01

- 1) Date February 20, 2019
- 2) Operator's  
Well No. MWV Rupert 3H
- 3) API Well No. 47-67 - 00944 P

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

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

- 4) Well Type: Oil \_\_\_ / Gas X / Liquid injection \_\_\_ / Waste disposal \_\_\_ /  
(If "Gas, Production \_\_\_ or Underground storage \_\_\_) Deep \_\_\_ / Shallow X
- 5) Location: Elevation 3065' Watershed Staff Branch  
District Kentucky County Nicholas Quadrangle Richwood 7.5
- 6) Well Operator BRC Operating Company, LLC 7) Designated Agent Charles Brightman  
Address 200 Crescent Court, Suite 1900 Address 286 Sunday Rd.  
Dallas, TX 75201 Hico, WV 25854
- 8) Oil and Gas Inspector to be notified 9) Plugging Contractor  
Name Jeremy James Name Halliburton  
Address P.O. Box 36 Address 4999 East Pointe Dr.  
Clendenin, WV 25045 Zanesville, OH 43701

10) Work Order: The work order for the manner of plugging this well is as follows:  
**See attached**

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Environmental Protection

Notification must be given to the district oil and gas inspector 24 hours before permitted work can commence.

Work order approved by inspector  Date 3-29-19

MWV Rupert 3H

5-1/2" 20# P110 production casing set at 12,655' and cemented to surface/topped off  
Shallowest perforation is @ 8,818

MIRU workover rig and BOP

Perform BOP function test

RIH with wire line and remove tbg plugs @ 2,050 & 3,050'

Rotate tubing to unset Baker packer set @ 7,894'

Fill casing with 6% KCl mud. ~~GEL~~

POOH and lay down 2-3/8" 4.7# L80 tubing, packer, GLM

RIH with wire line and set CIBP @ 7750' Set below 9 3/8 csg shoe @ 7015'

TIH with 2-7/8" workstring open ended to 7750'.

RU Halliburton cement unit

M&P 6.3 bbl Class A cement @ 15.6 ppg

Set 1<sup>st</sup> plug from ~~6960 to 6560~~ 7750' - 7466'

Displace with 6% GEL 1

POOH 3 stands above 7466 and WOC

TIH and tag cement.

M&P 6.3 bbl Class A cement @ 15.6 ppg

Set 2<sup>nd</sup> balanced plug from 7015' to 6731'

Displace with 6% GEL POOH 3 stands above 6731'.

WOC. TIH and tag cement.

M&P 6.3 bbl Class A cement @ 15.6 ppg

Set 3<sup>rd</sup> plug from 3115' - 2831' WOC

Cut production, intermediate and surface casing 2' below surface

Weld cap with API number and set monument.

Handwritten notes: 7750' KOP, Add 100ft cement plug @ seal level 3115-3015

SET 4<sup>TH</sup> PLUG W/ 6.3 BBL CLASS A CEMENT FROM 1625' - 1341'. WOC

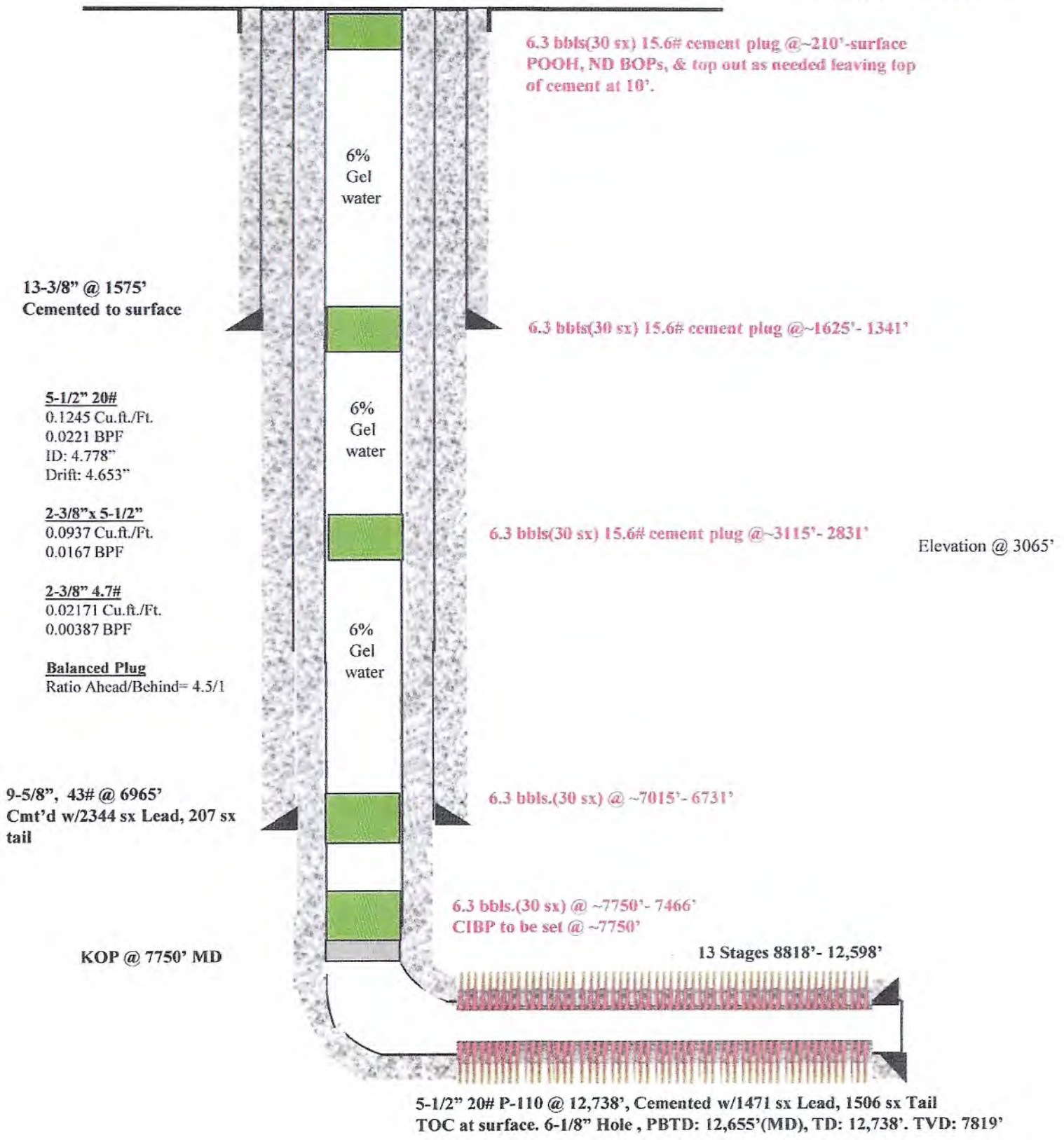
SET 5<sup>TH</sup> PLUG W/ 6.3 BBL CLASS A CEMENT PLUG FROM 210' TO SURFACE.

JWM

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**BRC Operating Company, LLC  
 MWV Rupert #3H  
 API No. 47-067-00944  
 Proposed Wellbore Schematic**

Prepared by: Tim McGilvray



6.3 bbls(30 sx) 15.6# cement plug @~210'-surface  
 POOH, ND BOPs, & top out as needed leaving top  
 of cement at 10'.

13-3/8" @ 1575'  
 Cemented to surface

6.3 bbls(30 sx) 15.6# cement plug @~1625'- 1341'

5-1/2" 20#  
 0.1245 Cu.ft./Ft.  
 0.0221 BPF  
 ID: 4.778"  
 Drift: 4.653"

6%  
 Gel  
 water

6%  
 Gel  
 water

2-3/8" x 5-1/2"  
 0.0937 Cu.ft./Ft.  
 0.0167 BPF

6.3 bbls(30 sx) 15.6# cement plug @~3115'- 2831'

Elevation @ 3065'

6%  
 Gel  
 water

2-3/8" 4.7#  
 0.02171 Cu.ft./Ft.  
 0.00387 BPF

Balanced Plug  
 Ratio Ahead/Behind= 4.5/1

9-5/8", 43# @ 6965'  
 Cmt'd w/2344 sx Lead, 207 sx  
 tail

6.3 bbls.(30 sx) @ ~7015'- 6731'

6.3 bbls.(30 sx) @ ~7750'- 7466'  
 CIBP to be set @ ~7750'

KOP @ 7750' MD

13 Stages 8818'- 12,598'

5-1/2" 20# P-110 @ 12,738', Cemented w/1471 sx Lead, 1506 sx Tail  
 TOC at surface. 6-1/8" Hole , PBTD: 12,655'(MD), TD: 12,738'. TVD: 7819'

WR-35  
Rev (9-11)

State of West Virginia  
Department of Environmental Protection  
Office of Oil and Gas  
Well Operator's Report of Well Work

DATE: 1/22/13 REV. 10/29/10, 11/2/14  
API #: 47-67-00944

Farm name: MeadWestvaco Corp. Operator Well No.: MWV Rupert 3H

LOCATION: Elevation: 3,065' Quadrangle: Richwood

District: Kentucky County: Nicholas  
Latitude: 800 Feet South of 38 Deg. 12 Min. 30 Sec.  
Longitude 9,670 Feet West of 80 Deg. 32 Min. 30 Sec.

Company: BRC Operating Company, LLC

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
200 Crescent Court, Suite 200 Dallas, TX 75201	20"		130'	180 Tail
Agent: Marc A. Monteleone	13 3/8"		1,575'	915 Lead
Inspector: Ed Gainer	9 5/8"		6,965'	2,344 Lead / 207 Tail
Date Permit Issued: 7/21/10	5 1/2"		12,738'	1,471 Lead/1,506 Tail
Date Well Work Commenced: 11/16/10				
Date Well Work Completed: 5/25/12				
Verbal Plugging: <small>Partial Plug Perm: Issued 10/11/11</small>				
Date Permission granted on:				
Rotary <input type="checkbox"/> Cable <input type="checkbox"/> Rig <input checked="" type="checkbox"/>	KOP Plug			205 Lead
Total Vertical Depth (ft): 7,750	KOP Plug			123 Lead
Total Measured Depth (ft): 12,738				
Fresh Water Depth (ft.): 182				
Salt Water Depth (ft.):				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.):				
Void(s) encountered (N/Y) Depth(s) N				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)

Producing formation Marcellus Pay zone depth (ft) 7,650 - 7,800  
Gas: Initial open flow 2,223 MCF/d Oil: Initial open flow -- Bbl/d  
Final open flow 650 MCF/d Final open flow -- Bbl/d  
Time of open flow between initial and final tests 72 Hours  
Static rock Pressure 3100 psig (surface pressure) after 36 Hours

Second producing formation \_\_\_\_\_ Pay zone depth (ft) \_\_\_\_\_  
Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow \_\_\_\_\_ MCF/d Final open flow \_\_\_\_\_ Bbl/d  
Time of open flow between initial and final tests \_\_\_\_\_ Hours  
Static rock Pressure \_\_\_\_\_ psig (surface pressure) after \_\_\_\_\_ Hours

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the 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.

[Signature]  
Signature

11/12/2014  
Date

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Were core samples taken? Yes \_\_\_\_\_ No X

Were cuttings caught during drilling? Yes X No \_\_\_\_\_

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list Gamma Ray / CCL  
CCL - Casing Collar Locator

**NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.**

Perforated Intervals, Fracturing, or Stimulating:

Perforations: 12,598' - 8,818' 325 Holes

Plug Back Details Including Plug Type and Depth(s): PBTD ( Plug Back Total Depth ) at 12,676';

Temporary P & A per 10/19/11 Partial Plug Permit was not completed.

Formations Encountered: \_\_\_\_\_ Top Depth \_\_\_\_\_ / \_\_\_\_\_ Bottom Depth \_\_\_\_\_  
Surface:

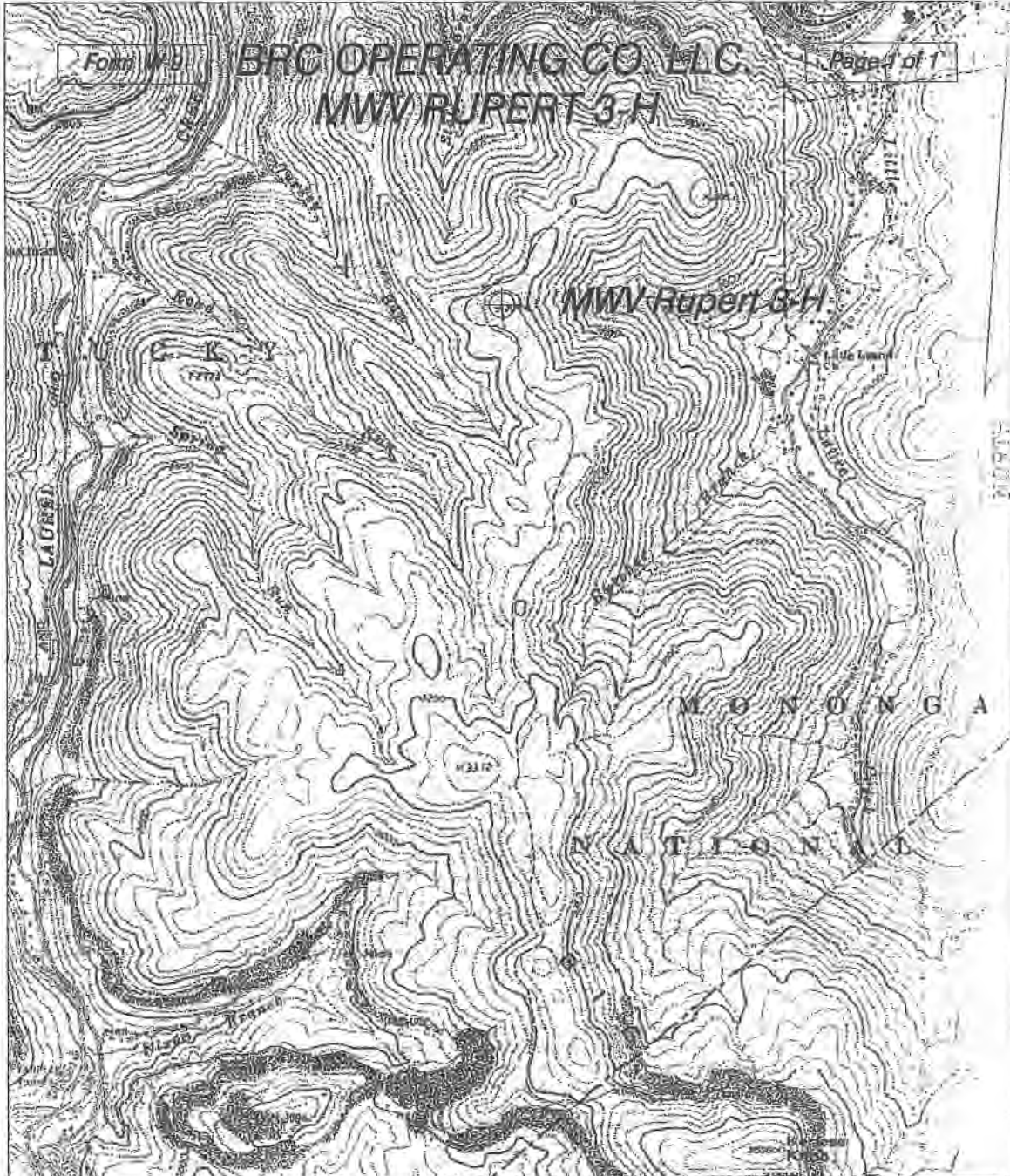
<u>Geologic Age</u>	<u>Formation</u>	<u>Lithology</u>	<u>Top Depth</u>	<u>Bottom Depth</u>
Mississippian	Greenbrier	Limestone	24910	2543
Mississippian		Shale	2543	2858
Mississippian	Injun	Sandstone	2858	2875
Mississippian		Shale	2875	2884
Mississippian	Squaw	Sandstone	2884	2890
Mississippian		Shale	2890	2967
Mississippian	Weir	Sandstone	2967	2975
Mississippian		Shale	2975	3433
Mississippian	Berea	Sandstone	3433	3455
Mississippian		Shale	3455	3523
Devonian	Gordon	Sandstone	3523	3548
Devonian		Siltstone & Shale	3548	4493
Devonian	Huron	Shale	4493	TD
Devonian	Rhinestreet	Organic Shale	7382	7620
Devonian	Marcellus	Organic Shale	7620	TD

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Form W-8

# BRC OPERATING CO. LLC. MWV RUPERT 3-H

Page 1 of 1

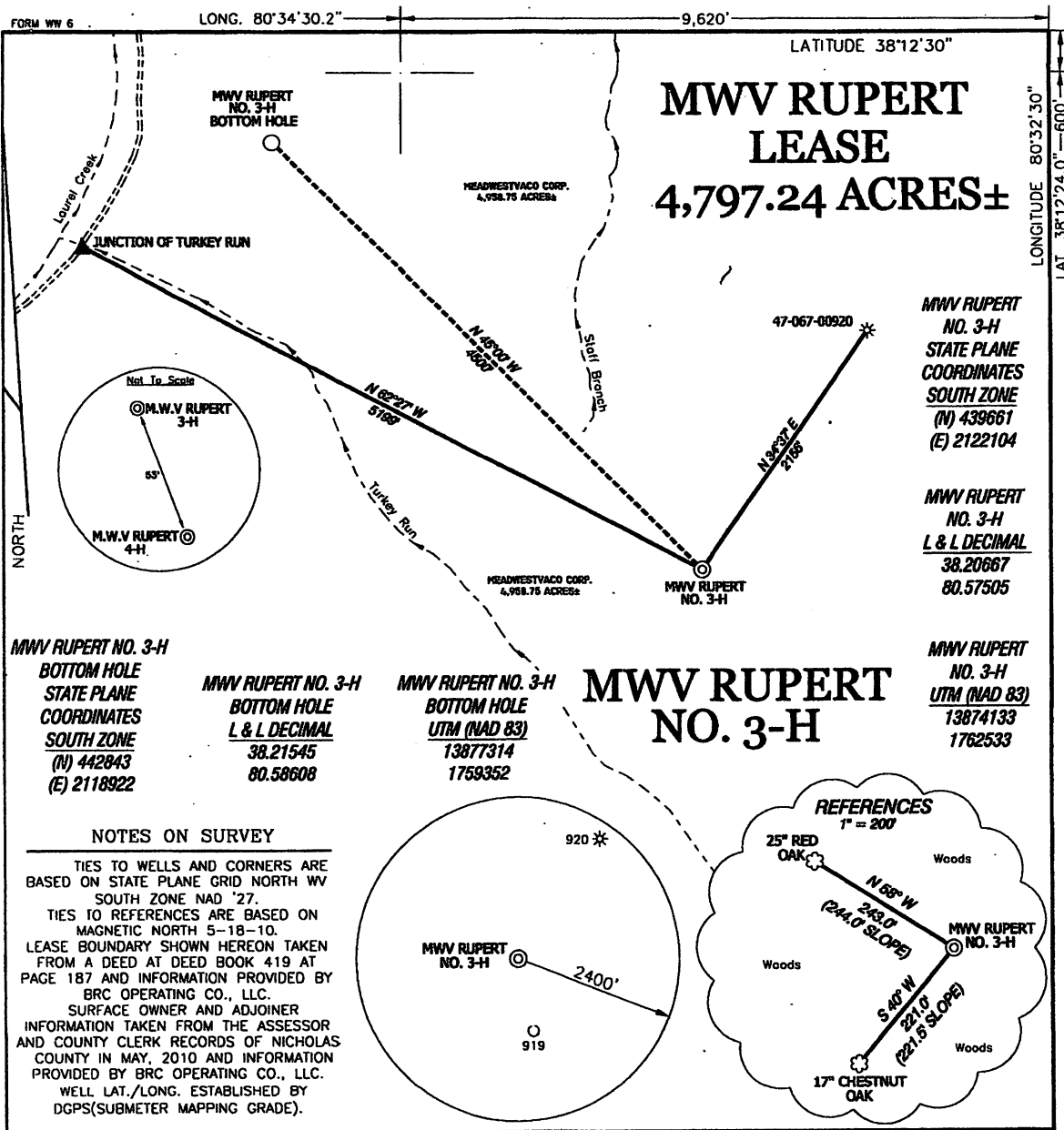


<p><b>HUBB Surveying &amp; Mapping</b>          2500 Box 64          P.O. Box 64          P.O. Box 64          P.O. Box 64          P.O. Box 64</p>	<p>2000          Richmond quad</p>	<p>BRC OPERATING CO. LLC.          200 Crescent Court, Suite 200          Dallas TX 75201</p>
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47-067-00944H P



# MWV RUPERT LEASE

## 4,797.24 ACRES±

**MWV RUPERT NO. 3-H**  
**STATE PLANE COORDINATES SOUTH ZONE**  
 (N) 439661  
 (E) 2122104

**MWV RUPERT NO. 3-H**  
**L & L DECIMAL**  
 38.20667  
 80.57505

**MWV RUPERT NO. 3-H**  
**UTM (NAD 83)**  
 13874133  
 1762533

**MWV RUPERT NO. 3-H**  
**BOTTOM HOLE**  
**STATE PLANE COORDINATES SOUTH ZONE**  
 (N) 442843  
 (E) 2118922

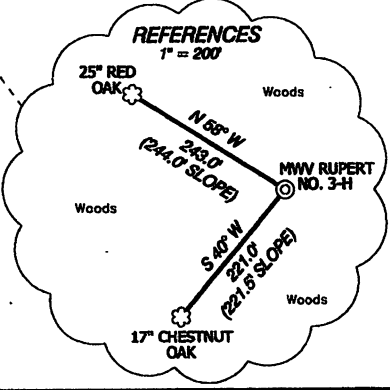
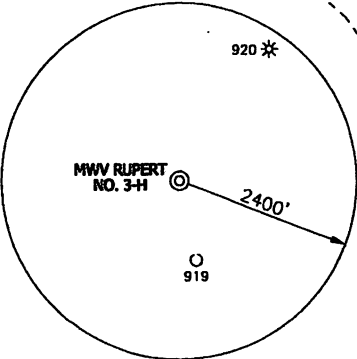
**MWV RUPERT NO. 3-H**  
**BOTTOM HOLE**  
**L & L DECIMAL**  
 38.21545  
 80.58608

**MWV RUPERT NO. 3-H**  
**BOTTOM HOLE**  
**UTM (NAD 83)**  
 13877314  
 1759352

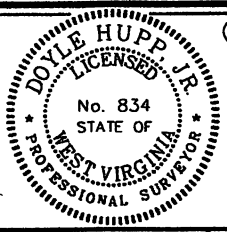
# MWV RUPERT NO. 3-H

**NOTES ON SURVEY**

TIES TO WELLS AND CORNERS ARE BASED ON STATE PLANE GRID NORTH WV SOUTH ZONE NAD '27. TIES TO REFERENCES ARE BASED ON MAGNETIC NORTH 5-18-10. LEASE BOUNDARY SHOWN HEREON TAKEN FROM A DEED AT DEED BOOK 419 AT PAGE 187 AND INFORMATION PROVIDED BY BRC OPERATING CO., LLC. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF NICHOLAS COUNTY IN MAY, 2010 AND INFORMATION PROVIDED BY BRC OPERATING CO., LLC. WELL LAT./LONG. ESTABLISHED BY DGPS(SUBMETER MAPPING GRADE).



I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DIVISION OF ENVIRONMENTAL PROTECTION.



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.  
 DATE MAY 28, 20 10  
 OPERATORS WELL NO. MWV RUPERT NO. 3-H  
 API WELL NO. 47-067-00944H  
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1/200 FILE NO. W1834 (BK44-47)  
 PROVEN SOURCE OF ELEVATION DGPS (SUBMETER GRADE) SCALE .1" = 1000'

STATE OF WEST VIRGINIA  
 DIVISION OF ENVIRONMENTAL PROTECTION  
 OFFICE OF OIL AND GAS

WELL TYPE : OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  IF "GAS" PRODUCTION  STORAGE  DEEP  SHALLOW

LOCATION : ELEVATION 3,065' WATERSHED LITTLE LAUREL CREEK  
 DISTRICT KENTUCKY COUNTY NICHOLAS QUADRANGLE RICHWOOD 7.5'

SURFACE OWNER MEADWESTVACO CORP. ACREAGE 4,958.75±  
 ROYALTY OWNER MEADWESTVACO CORP., et al LEASE ACREAGE 4,797.24±

PROPOSED WORK : LEASE NO. \_\_\_\_\_  
 DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION  PLUG AND ABANDON  CLEAN OUT AND REPLUG  OTHER \_\_\_\_\_  
 PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_ TARGET FORMATION MARCELLUS SHALE  
 ESTIMATED DEPTH TVD-7,705' MVD-12,450'

W.L. OPERATOR BRC OPERATING CO., LLC DESIGNATED AGENT MARC A. MONTELEONE  
 ADDRESS 200 CRESCENT COURT, SUITE 200 DALLAS, TX 75201 ADDRESS P.O. Box 1386 Charleston WV 25325

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COUNTY NAME PERMIT

**BRC OPERATING CO., LLC.**  
**MWV RUPERT**  
**3-H**



Install Minimum 12" Culvert

ALL ROADS SHOWN HEREON ARE EXISTING UNLESS OTHERWISE NOTED AND SHALL BE MAINTAINED IN ACCORDANCE WITH DEP. OIL AND GAS BMP MANUAL. ENTRANCES AT COUNTY/STATE ROADS SHALL BE MAINTAINED IN ACCORDANCE WITH WV D.O.T. REGULATIONS. SEPARATE PERMITS MAY BE REQUIRED BY THE D.O.T.

SEDIMENT BASINS, TRAPS AND APPROPRIATE EROSION CONTROL BARRIERS ARE TO BE CONSTRUCTED AT ALL CULVERT AND CROSS DRAIN INLETS AND OUTLETS AS REQUIRED IN THE WV DEP. OIL AND GAS BMP MANUAL. FIELD CONDITIONS CHECK OUTCROPS AND SEDIMENT MAY PROMPT DILEY TRAPS BEING INSTALLED. WHEN THESE CONDITIONS EXIST, ADDITIONAL EROSION CONTROL MEASURES SHALL BE EVALUATED AND UTILIZED.

EARTHWORK CONTRACTORS ARE RESPONSIBLE FOR NOTIFYING TO THE OPERATOR AND INSPECTOR PRIOR TO ANY DEVIATION FROM THIS PLAN.

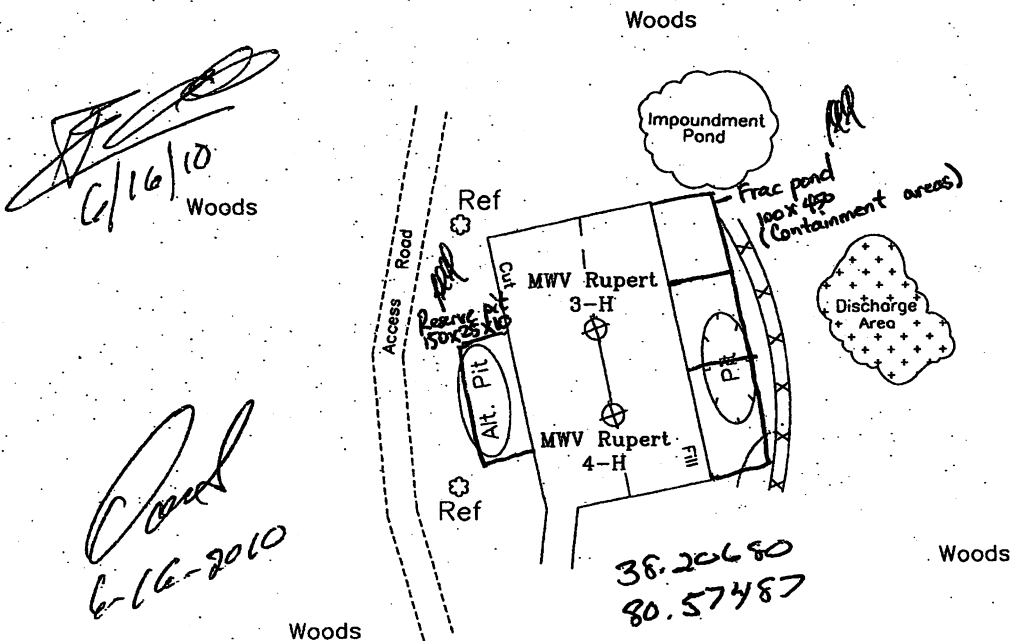
CONTRACTORS/COMPANY ARE RESPONSIBLE FOR LOCATING UTILITIES WHETHER SHOWN ON THIS PLAN OR NOT.

TEMPERARILY SEED AND MULCH ALL SLOPES AFTER CONSTRUCTION OF LOCATION.

CUT AND STACK ALL TIMBER ABOVE 6-INCHES IN DIAMETER AND THICKER.

STACK BUSH BELOW LOCATION FOR SEDIMENT CONTROL.

Detail Sketch for MWV Rupert 3-H



Drawing Not To Scale NORTH

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<b>HUPP Surveying &amp; Mapping</b> P.O. BOX 647 GRANTSVILLE, WV 26147 PH: (304) 354-7035 E-MAIL: hupp@frontier.net	Drafted BY:	Date Drafted:	Job Number:
	DB	05/28/10	W20081834

WV Department of Environmental Protection

47-067-00944A

WW-4A  
Revised 6-07

1) Date: February 20, 2019  
2) Operator's Well Number  
MWV Rupert 3H  
3) API Well No.: 47 - 67 - 00944

**STATE OF WEST VIRGINIA**  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS**  
**NOTICE OF APPLICATION TO PLUG AND ABANDON A WELL**

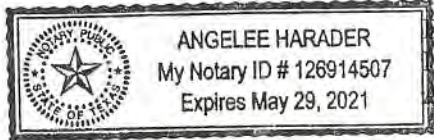
4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>Weyerhaeuser Company</u>	Name <u>N/A</u>
Address <u>220 Occidental Ave South</u>	Address _____
<u>Seattle, WA 98104</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>N/A</u>
_____	Address _____
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
6) Inspector <u>Jeremy James</u>	(c) Coal Lessee with Declaration
Address <u>P.O. Box 36</u>	Name <u>N/A</u>
<u>Clendenin, WV 25045</u>	Address _____
Telephone <u>304-951-2596</u>	_____

**TO THE PERSONS NAMED ABOVE:** You should have received this Form and the following documents:

- (1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and
- (2) The plat (surveyor's map) showing the well location on Form WW-6.

The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the reverses side. However, you are not required to take any action at all.

Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a permit to plug and abandon a well with the Chief of the Office of Oil and Gas, West Virginia Department of Environmental Protection, with respect to the well at the location described on the attached Application and depicted on the attached Form WW-6. Copies of this Notice, the Application, and the plat have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Chief.



Well Operator	<u>BRC Operating Company, LLC</u>
By:	<u>Charles Brightman</u>
As:	<u>Agent</u>
Address	<u>286 Sunday Rd.</u>
	<u>Hico, WV 25854</u>
Telephone	<u>304-880-8121</u>

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WV Department of Environmental Protection

Subscribed and sworn before me this 2nd day of April, 2019 Notary Public

My Commission Expires 5-29-2021

**Oil and Gas Privacy Notice**

The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a 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 of your personal information, please contact DEP's Chief Privacy Officer at [depprivacyoffier@wv.gov](mailto:depprivacyoffier@wv.gov).

47-067-00944P

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CERTIFIED MAIL® RECEIPT  
Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)®.

SEATTLE, WA 98104

Certified Mail Fee	
\$	\$3.50
Extra Services & Fees (check box, add fee as appropriate)	
<input type="checkbox"/> Return Receipt (hardcopy)	\$ 0.00
<input type="checkbox"/> Return Receipt (electronic)	\$ 0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$ 0.00
<input type="checkbox"/> Adult Signature Required	\$ 0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$ 0.00

Postage  
\$ 1.15

Total Postage and Fees  
\$ 7.45

0126  
04

Postmark  
Here

04/02/2019

Sent To **Weyerhaeuser Company**  
 Street and P.O. Box **ATTN: Mr. Bill Niemi**  
 City, State, ZIP+4® **220 Occidental Ave South**  
**Seattle, WA 98104**

PS Form 3800, April 2015 PSN 7550-02-000-9047 See Reverse for Instructions

7018 0680 0000 9727 4580

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**SURFACE OWNER WAIVER**

Operator's Well  
Number

MWV Rupert 3H

**INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW4-A**

The well operator named on page WW-4A is applying for a permit from the State to plug and abandon a well. (Note: If the surface tract is owned by more than three persons, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22 of the West Virginia Code. Well work permits are valid for 24 months. If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator and the Office of Oil and Gas.

**NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.**  
**WHERE TO FILE COMMENTS AND OBTAIN ADDITIONAL INFORMATION:**

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

**Time Limits and methods for filing comments.** The law requires these materials to be served on or before the date the operator files his Application. You have **FIVE (5) 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.

**Comments must be in writing.** Your comments must 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.

The Chief has the power to deny or condition a well work permit based on comments on the following grounds:

- 1) The proposed well work will constitute a hazard to the safety of persons.
- 2) The soil erosion and sediment control plan is not adequate or effective;
- 3) Damage would occur to publicly owned lands or resources;
- 4) The proposed well work fails to protect fresh water sources or supplies;
- 5) The applicant has committed a substantial violation of a previous permit or a substantial violation of one or more of the rules promulgated under Chapter 22, and has failed to abate or seek review of the violation...".

**If you want a copy of the permit as it is issued or a copy of the order denying the permit, you should request a copy from the Chief.**

**VOLUNTARY STATEMENT OF NO OBJECTION**

I hereby state that I have read the instructions to surface owners and that I have received copies of the permit, and Application For A Permit To Plug And Abandon on Forms WW-4A and WW-4B, and a survey plat.

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued on those materials.

**FOR EXECUTION BY A NATURAL PERSON  
ETC.**

**FOR EXECUTION BY A CORPORATION,**

_____	Date _____	Name _____
Signature		By _____
		Its _____
		_____
		Date _____
		Signature _____
		Date _____

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Environmental Justice

47-067-00944A

WW-9  
(5/16)

API Number 47 - 67 - 00944  
Operator's Well No. MWV Rupert 3 H

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS  
FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name BRC Operating Company, LLC OP Code \_\_\_\_\_

Watershed (HUC 10) Staff Branch Quadrangle Richwood 7.5

Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes  No

Will a pit be used? Yes  No

If so, please describe anticipated pit waste: N/A

*NO PITS WILL USE TANKS TO CONTAIN WELL EFFLUENT AND DISPOSE OF IN A UIC WELL*

Will a synthetic liner be used in the pit? Yes  No  If so, what ml.? 6

Proposed Disposal Method For Treated Pit Wastes:

- Land Application (if selected provide a completed form WW-9-GPP)
- Underground Injection ( UIC Permit Number 2D0190460 )
- Reuse (at API Number \_\_\_\_\_)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain \_\_\_\_\_)

Will closed loop system be used? If so, describe: \_\_\_\_\_

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. N/A

-If oil based, what type? Synthetic, petroleum, etc. N/A

Additives to be used in drilling medium? N/A

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. N/A

-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) N/A

-Landfill or offsite name/permit number? N/A

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 April 1, 2016, 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 *Charles Brightman*

Company Official (Typed Name) CHARLES BRIGHTMAN

Company Official Title DESIGNATED AGENT

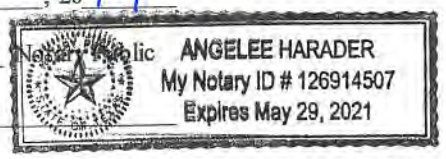
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WV Department of Environmental Protection

Subscribed and sworn before me this 3rd day of April, 2019

*Angilee Harader*  
My commission expires 5-29-2021



Proposed Revegetation Treatment: Acres Disturbed +1 - 5.7 Prevegetation pH \_\_\_\_\_

Lime 5 gals = 2.5 Tons/acre or to correct to pH 6.5

Fertilizer type Liquid starter eq(10-20-20)

Fertilizer amount 7 gals = 500 lbs/acre

Mulch Hydro jet & fiber = 500 / EA Tons/acre

Seed Mixtures

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
<u>N/A</u>		<u>Tall Fescue Blend</u>	<u>250</u>
		<u>43% Kentucky Tall Fescue, 43% Red Fescue</u>	
		<u>7% White Clover, 7% Annual Rye</u>	

Attach:

Maps(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided). If water from the pit will be land applied, provide water volume, include dimensions (L, W, D) of the pit, and dimensions (L, W), and area in acres, of the land application area.

Photocopied section of involved 7.5' topographic sheet.

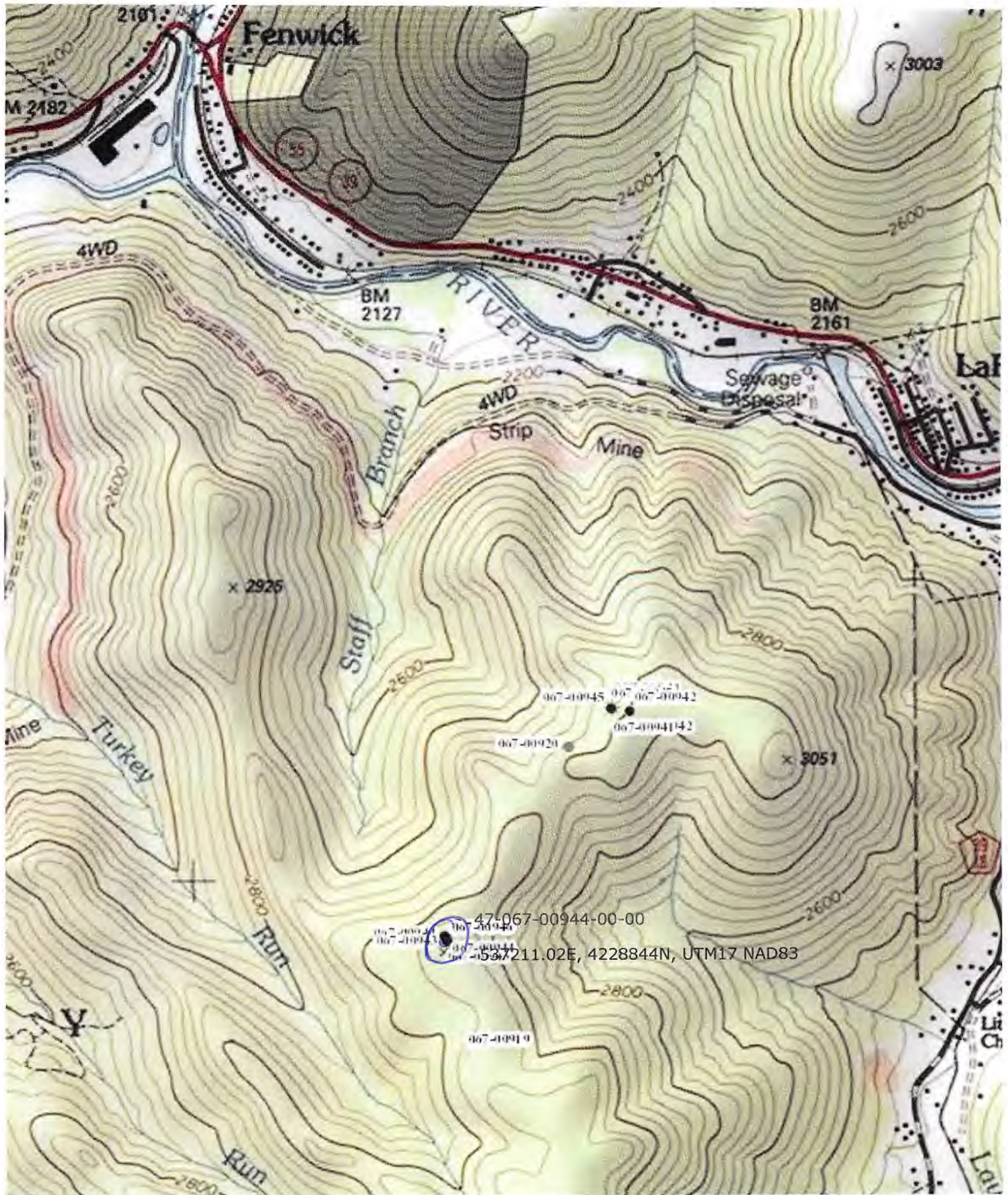
Plan Approved by: [Signature]

Comments: Add 100ft cement plug @ sea level

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Title: inspector OOG Date: 3-29-19

Field Reviewed?  Yes  No





WW-7  
8-30-06



West Virginia Department of Environmental Protection  
Office of Oil and Gas  
**WELL LOCATION FORM: GPS**

API: 47-6700944 WELL NO.: MWV Rupert 3H

FARM NAME: \_\_\_\_\_

RESPONSIBLE PARTY NAME: BRC Operating Company, LLC

COUNTY: Nicholas DISTRICT: Kentucky

QUADRANGLE: Richwood 7.5

SURFACE OWNER: Weyerhaeuser Company

ROYALTY OWNER: Westrock Company, Highland Resources Inc., BRC Cherry Meadow, LLC, OXY USA, Inc.

UTM GPS NORTHING: 4228844.00

UTM GPS EASTING: 537221.25 GPS ELEVATION: 3065'

The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit or assigned API number on the above well. The Office of Oil and Gas will not accept GPS coordinates that do not meet the following requirements:

1. Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
2. Accuracy to Datum – 3.05 meters
3. Data Collection Method:

Survey grade GPS X : Post Processed Differential \_\_\_\_\_  
Real-Time Differential X \_\_\_\_\_

Mapping Grade GPS \_\_\_\_\_ : Post Processed Differential \_\_\_\_\_  
Real-Time Differential \_\_\_\_\_

4. **Letter size copy of the topography map showing the well location.**

I the undersigned, hereby certify this data is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Office of Oil and Gas.

[Signature]  
Signature

DEPUTY AGENT  
Title

4/16/19  
Date

200 Crescent Court  
Suite 200  
Dallas, Texas 75201

April 5, 2019

Mr. James Martin  
Director of the Office of Oil and Gas  
West Virginia Department of Environmental Protection  
Office of Oil and Gas  
601 57<sup>th</sup> St SE  
Charleston, WV 25304

ATTN: Mr. James Martin

RE: BRC Operating Company, LLC  
Deep Vertical Gas Well Development  
**Operators Well Number: Rupert 3H**  
**API Well Number: 47-6700944**  
**Submission of Well Work Permit Modification Plug and Abandon Permit**

Please find attached application for "Plug & Abandon" of the above referenced well.

Pursuant to submittal requirements of the application, find attached "Plugging Permit Checklist" which serves to summarize all included documents.

Both the surface owner and coal owner have been provided Waiver forms in order to expedite approval of the permit. Both have assured me that the waivers will be signed and are forth coming. In an effort to proceed, absent the waivers; I have provided notice to each by certified mail. Upon receipt of the waiver, I will forward them under separate cover to the OOG.

Should you have any questions or may require an on-site meeting, please do not hesitate to contact me at 304-880-8121, or via email at [cdbrightman@live.com](mailto:cdbrightman@live.com).

Respectfully,

  
Charles Brightman

Cc: Chad Touchet, Vice President BRC Operating Company, LLC

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Environmental Protection

11/10/2016

## PLUGGING PERMIT CHECKLIST

## Plugging Permit

- WW-4B
- WW-4B signed by inspector
- WW-4A
  
- SURFACE OWNER WAIVER or PROOF THAT APPLICATION WAS SENT BY REGISTERED OR CERTIFIED MAIL
- COAL OWNER/COAL OPERATOR/COAL LESSEE WAIVERS or PROOF THAT APPLICATION WAS SENT BY REGISTERED OR CERTIFIED MAIL
- WW-9 PAGE 1 (NOTARIZED)
- WW-9 PAGE 2 with attached drawing of road, location, pit and proposed area for land application
- WW-9 GPP PAGE 1 and 2 if well effluent will be land applied
- RECENT MYLAR PLAT OR WW-7
- WELL RECORDS/COMPLETION REPORT
- TOPOGRAPHIC MAP OF WELL, SHOWING PIT IF PIT IS USED
- MUST HAVE VALID BOND IN OPERATOR'S NAME
- CHECK FOR \$100 IF PIT IS USED

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