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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)

Tuesday, May 28, 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 2H  
 47-067-00942-00-00

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 2H  
 Farm Name: WEYERHAEUSER COMPANY  
 U.S. WELL NUMBER: 47-067-00942-00-00  
 Horizontal Plugging  
 Date Issued: 5/28/2019

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## 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.

47-067-00942H

05/31/2019

WW-4B  
Rev. 2/01

- 1) Date February 20, 2019
- 2) Operator's Well No. MWV Rupert 2H
- 3) API Well No. 47-67 - 000942 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 3012' 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 Name Jeremy James  
Address P.O. Box 36  
Clendenin, WV 25045
- 9) Plugging Contractor Name Halliburton  
Address 4999 East Pointe Dr.  
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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Office of Oil and Gas  
APR 10 2019  
WV Department of  
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

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Office of Oil and Gas

MAY 28 2019

WV Department of  
Environmental Protection

MWV Rupert #2

4-1/2" 11.6# L80 production casing set at 7,830' and cemented

Previous plug set @ 7,830'

MIRU workover rig and BOP

Perform BOP function test

Fill casing with 6% GEL.

TIH with 2-7/8" workstring open ended to 7,830'

RU Halliburton cement unit

M&P 4.5 bbl Class A cement @ 15.6 ppg

Set 1<sup>st</sup> plug from 7,830 to 7,430'

Displace with 6% GEL.

POOH 3 stands above 7,430' and WOC

TIH and tag cement.

POOH standing up tubing. FREEPOINT 1/2 CUT 4-1/2" CASING

RIH with wire line to 3,500'. Shoot and cut 4-1/2" casing.

POOH laying down 4-1/2" casing.

M&P 16 bbl Class A cement @ 15.6 ppg

Set 3<sup>rd</sup> balanced plug from 3,500 to 3,100'

POOH 3 stands above 3,100' and WOC

TIH and tag cement.

M&P 16 bbl Class A cement @ 15.6 ppg

Set 4<sup>th</sup> balanced plug from 2,300 to 1,900'

POOH 3 stands above 1,900' and WOC

TIH and tag cement.

M&P 16 bbl Class A cement @ 15.6 ppg

Set final plug from 400' to surface. WOC

★ Cut production, intermediate and surface casing 2' below surface

Weld cap with API number and set monument.

★ - SEE ATTACHED MONUMENT/MARKER GUIDANCE.

★ ADD 2<sup>ND</sup> PLUG MINIMUM 100' CLASS A CEMENT PLUG AT CASING SHOE OF 9 5/8" FROM 5125' - 5025'. <sup>PER JERRY JAMES</sup>

★ ADD MINIMUM 100' CLASS A CEMENT PLUG ACROSS ELEVATION FROM 3060' - 2960'.  
GEL => FRESH WATER w/  
A MINIMUM OF 6% BENTONITE BY WEIGHT.

★ SET A MINIMUM 100' CLASS A CEMENT PLUG ACROSS ANY CASING CUT.

05/31/2019

should contain the name, address and telephone number of the person filing the comment, the well operator's name and well number, and the approximate location of the proposed well site including district and county as indicated in the permit application. Comments may be accompanied by other pertinent documents in support of the comment. Other than as prescribed in this rule, no particular form for the comment is prescribed.

#### 5.5. Identification Markings.

5.5.a. Every well shall have attached or stamped, in a permanent manner, the API identification number which consists of the state (47), county (001 through 109), and permit number. Such number shall be no less than one-half (1/2) inch in height and detectable by any interested person approaching the well. Any additional information the well operator may desire to display may be incorporated in the permanent identification plat or stamp in such a manner that it will not confuse or distort the permanent API identification number.

5.5.b. Except as provided below, upon the completion of the plugging and filling of any abandoned well, a permanent monument or marker consisting of a length of pipe (minimum diameter size six (6) inches) filled with concrete (or the equivalent thereof if approved by the Chief) shall be erected over the well; the marker shall extend no less than thirty (30) inches above the surface and not less than ten (10) feet below the surface and into the well, and shall be sealed with concrete for the purpose of making the marker permanent. The API well identification number which consists of the state (47), county (001 through 109), and permit number shall be attached or stamped in a permanent manner to said monument; and such numbering shall be no less than one half (1/2) inch in height and detectable by any interested person approaching the marker. The erection of the marker shall in no way interfere with the bleeder pipe from the well where such pipe is required, or the vent or other device installed pursuant to W. Va. Code § 22-6-24. Such manner shall be accurately described on Form WR-38, "Affidavit of Plugging and Filling Well" (*see* subsection 13.10 below) as to time and manner of plugging and filling the well, and shall be approved by the Chief as a satisfactory landmark that may be used as such in the location of adjacent wells. Two (2) permanent reference points with courses and distances from the abandoned well shall be designated and prescribed on the plat required by subdivision 5.2.d above in the form prescribed by section 9 below, accompanying Form WW-4, "Notice of Intention to Plug and Abandon a Well," if any change in the plat is necessary, accompanying Form IV-38, "Affidavit of Plugging and Filling Well" (*see* subsection 13.10 below).

5.6. Parties Responsible. All contractors and drillers, including all service companies carrying on business or doing work in oil and gas fields in West Virginia, as well as lease holders and operators generally, shall take notice of and are hereby directed to observe and apply the provisions of W. Va. Code § 22-6 and this rule; and all contractors, drillers, service companies and operators shall be held responsible for violations thereof.

#### 5.7. Evidence of Performance.

5.7.a. After the completion of the work authorized to be done by any permit required by W. Va. Code § 22-6-6, the permittee shall comply with filing requirements of W. Va. Code § 22-6-22 and section 12 of this rule.

5.7.b. In addition to the requirements of subdivision 5.7.a, following completion of plugging a well, the permittee shall also comply with the affidavit requirements of W. Va. Code § 22-6-23 and subsection 13.10 below.

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 11/12/14  
API #: 47-67-00942

Farm name: MeadWestvaco Corp. Operator Well No.: MWV Rupert 2H

LOCATION: Elevation: 3,010 Quadrangle: Richwood

District: Kentucky County: Nicholas  
Latitude: 13.658 Feet South of 38 Deg. 15 Min. 00 Sec.  
Longitude 7.990 Feet West of 60 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"		1,277'	657 Lead/186 Tail
Inspector: Ed Gainer	9 5/8"		5,073'	1,555 Lead/360 Tail
Date Permit Issued: 5/3/2010	7 5/8" Liner		7,062'	696 Tail
Date Well Work Commenced: 10/2/10	4 1/2"		9,698'	696 Tail
Date Well Work Completed: 10/30/12		Tubing plug	4,526'	
Verbal Plugging:		Tubing plug	4,650'	
Date Permission granted on:				
Rotary <input type="checkbox"/> Cable <input type="checkbox"/> Rig <input checked="" type="checkbox"/>				
Total Vertical Depth (ft): 7,752				
Total Measured Depth (ft): 9,698				
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) 7,600-7,760

Gas: Initial open flow N/A MCF/d Oil: Initial open flow      Bbl/d

Final open flow N/A MCF/d Final open flow      Bbl/d

Time of open flow between initial and final tests N/A Hours

Static rock Pressure ~2432 psig (surface pressure) after N/A 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

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Office of Oil and Gas  
APR 10 2019  
WV Department of  
Environmental Protection

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

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 Formation Micro Imager (4,925' - 6,978')  
Gamma Ray (4,923' - 6,954') MWD Gamma Ray (6,590' - 7,760') Cased Hole Production Log (7,500' - 9,500')

**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:

7,919' - 9,608' 255 Holes

Plug Back Details Including Plug Type and Depth(s):

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	2490	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	7378
Devonian	Rhinestreet	Organic Shale	7378	7770
Devonian	Marcellus	Organic Shale	7770	TD

Form W-9

# BRC OPERATING CO., LLC. MWV RUPERT NO. 2-H

Page 7 of 7

 Install Minimum 12" Culvert

ALL ROADS SHOWN HEREON ARE EXISTING UNLESS OTHERWISE NOTED AND SHALL BE MAINTAINED IN ACCORDANCE WITH DEP. OIL AND GAS BHP 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 BHP MANUAL. FIELD CONDITIONS ROCK OUTCROPS AND BEDROCK MAY PROHIBIT INLET TRAPS BEING INSTALLED. WHEN THESE CONDITIONS EXIST ADDITIONAL EROSION CONTROL MEASURES SHALL BE EVALUATED AND UTILIZED.

EARTHWORK CONTRACTORS ARE RESPONSIBLE FOR NOTIFICATION 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.

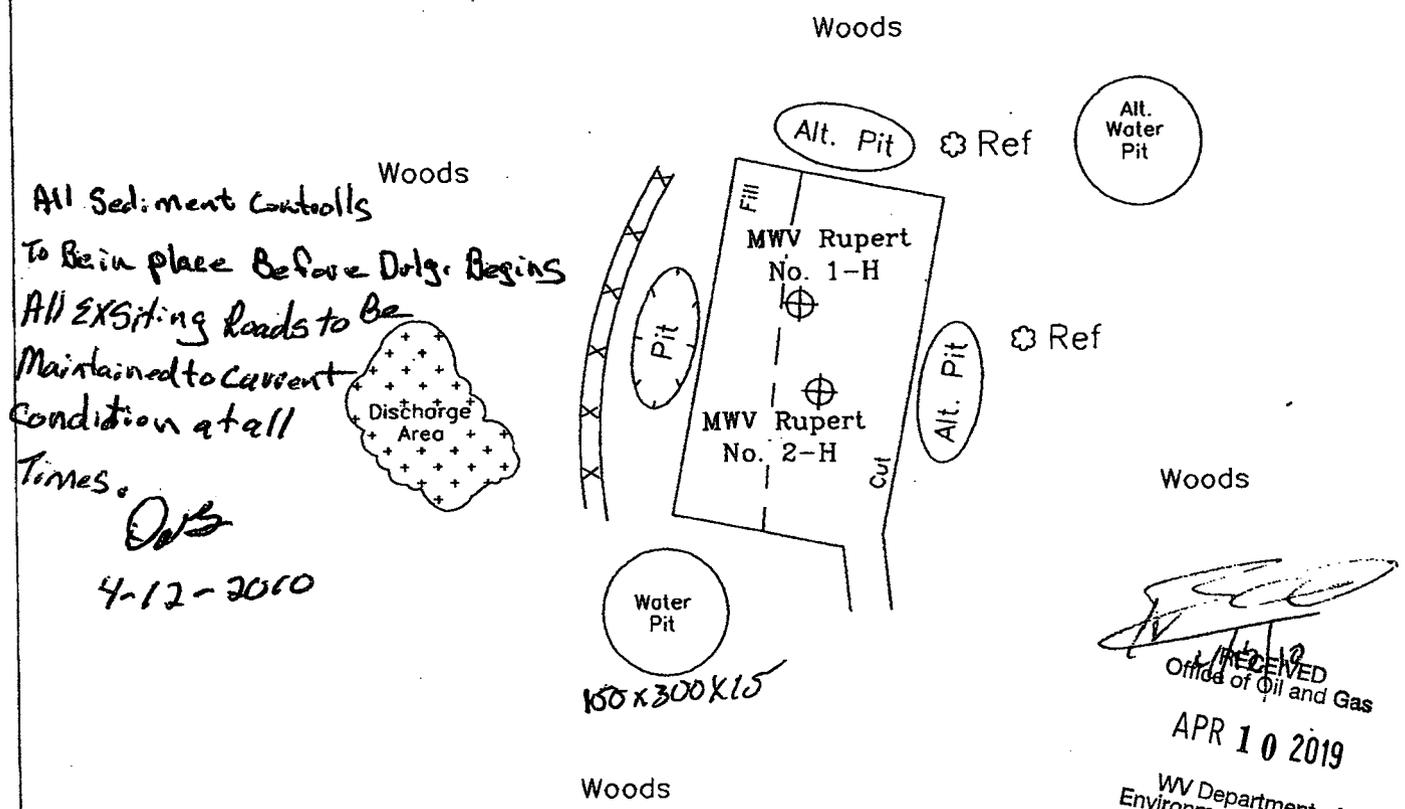
TEMPORARY SEED AND MULCH ALL SLOPES AFTER CONSTRUCTION OF LOCATION.

CUT AND STACK ALL TIMBER ABOVE 6-INCHES AND ABOVE.

STACK BRUSH BELOW LOCATION FOR SEDIMENT CONTROL.

Drawing Not To Scale NORTH

## Detail Sketch for MWV Rupert No. 2-H



All Sediment Controls  
To Be in place Before Dtg. Begins  
All Existing Roads to Be  
Maintained to Current  
Condition at all  
Times.  
*DB*  
4-12-2010

*[Signature]*  
RECEIVED  
Office of Oil and Gas  
APR 10 2019  
WV Department of  
Environmental Protection

<b>HUPP Surveying &amp; Mapping</b>	Drafted BY:	Date Drafted:	Job Number:
P.O. BOX 647 GRANTSMILLE, WV 26147 PH: (304)354-7035 E-MAIL: hupp@frontiernet.net	DB	08/05/09	W20081834

47-067-00942H

05/31/2019

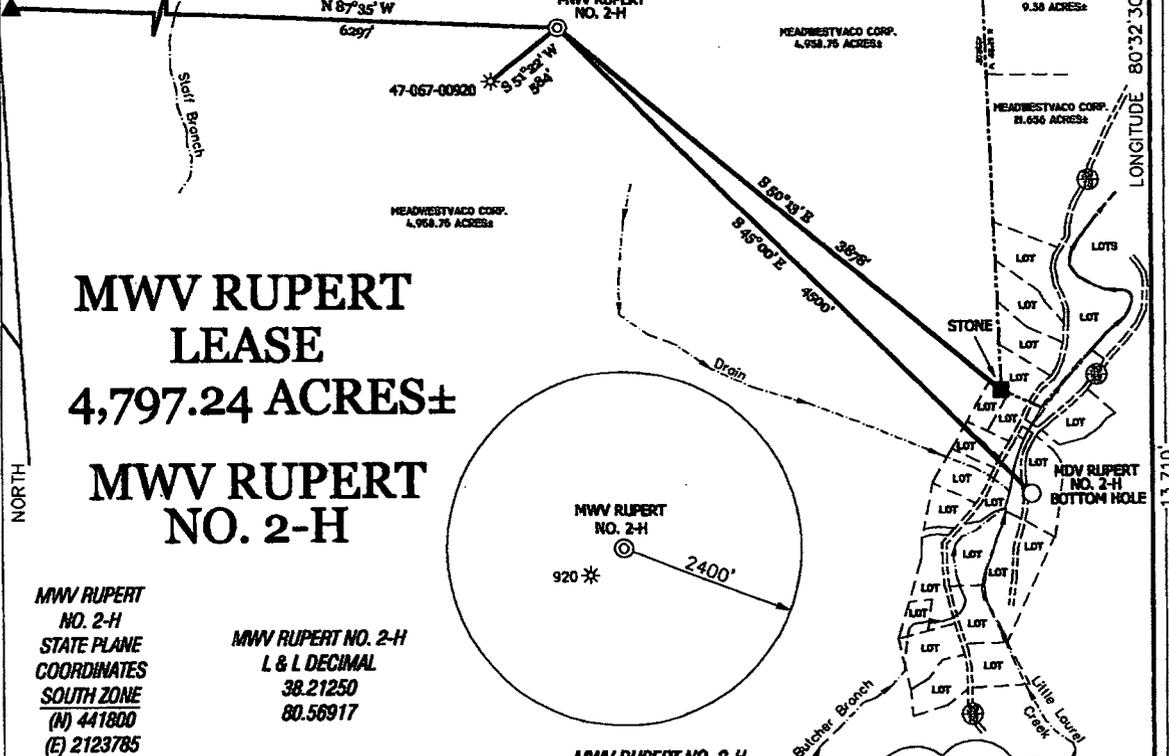
FORM WV 6

LONG. 80°34'09.0"

7,970'

LATITUDE 38°15'00"

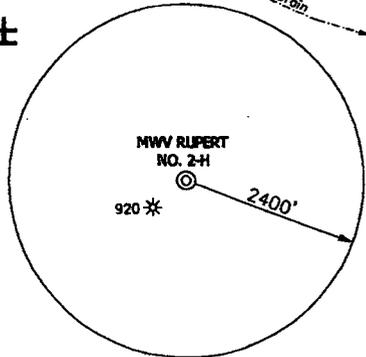
JUNCTION OF TURKEY RUN AND LAUREL CREEK



**MWV RUPERT  
LEASE  
4,797.24 ACRES±  
MWV RUPERT  
NO. 2-H**

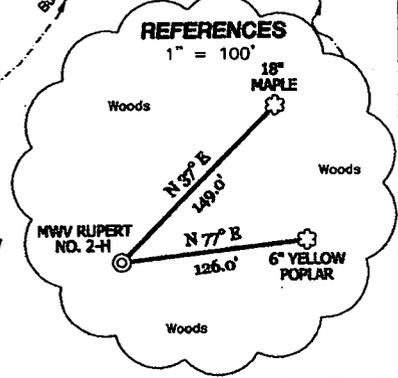
**MWV RUPERT  
NO. 2-H  
STATE PLANE  
COORDINATES  
SOUTH ZONE  
(N) 441800  
(E) 2123785**

**MWV RUPERT NO. 2-H  
L & L DECIMAL  
38.21250  
80.56917**



**MWV RUPERT NO. 2-H  
BOTTOM HOLE  
STATE PLANE  
COORDINATES  
SOUTH ZONE  
(N) 438678  
(E) 2126967**

**MWV RUPERT NO. 2-H  
BOTTOM HOLE  
L & L DECIMAL  
38.20374  
80.55814**



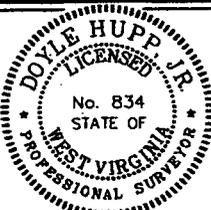
**NOTES ON SURVEY**

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 7-30-09.  
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 OCTOBER, 2008 AND INFORMATION PROVIDED BY BRC OPERATING CO., LLC.  
WELL LAT./LONG. ESTABLISHED BY DGPS(SUBMETER MAPPING GRADE).

**REFERENCES**

1" = 100'  
18" MAPLE  
6" YELLOW POPLAR  
Woods

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 AUGUST 5, 20 09  
OPERATORS WELL NO. MWV RUPERT NO. 2-H  
API WELL NO. 47-067-00942H  
STATE COUNTY PERMIT

P.S. 834

*Doyle Hupp, Jr.*  
HUPP Surveying & Mapping  
P.O. Box 647 Grantsville, WV 26147  
(304) 354-7035 EMAIL: hupp@frontiernet.net

MINIMUM DEGREE OF ACCURACY 1/200 FILE NO. W1834 (BK42-2) SCALE 1" = 1000'  
PROVEN SOURCE OF ELEVATION DGPS (SUBMETER GRADE)

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



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

LOCATION : ELEVATION 3,012' WATERSHED STAFF BRANCH  
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'

WELL 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

LAT. 38°12'45.1"

RECEIVED  
Office of Oil and Gas  
APR 10 2019  
WV Department of Environmental Protection

COUNTY NAME PERMIT

47-067-00942H  
05/31/2019

WW-4A  
Revised 6-07

1) Date: February 20, 2019  
2) Operator's Well Number  
MWV Rupert 2H  
3) API Well No.: 47 - 67 - 00942

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

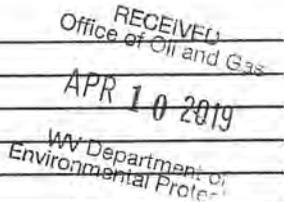
4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>Weyerhaeuser Company</u>	Name <u>N/A</u>
Address <u>220 Occidental Ave South</u>	Address _____
<u>Seattle, WA 98104</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>N/A</u>
_____	Address _____
(c) Name _____	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>	
	Its:	<u>Agent</u>	
	Address	<u>286 Sunday Rd.</u>	
	Telephone	<u>Hico, WV 25854</u> <u>303-880-8121</u>	

Subscribed and sworn before me this 2nd day of April, 2019  
Angelee Harader 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 [depprivacyofficer@wv.gov](mailto:depprivacyofficer@wv.gov).

WW-9  
(5/16)

47-067-00942H  
05/31/2019

API Number 47 - 67 - 00942  
Operator's Well No. MWV Rupert 2H

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

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

Proposed Disposal Method For Treated Pit Wastes:

- Land Application (if selected provide a completed form WW-9-GPP)
- Underground Injection ( UIC Permit Number \_\_\_\_\_ )
- 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: N/A

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 file with the Department of Environmental Protection where it was properly disposed.

RECEIVED  
Office of Oil and Gas  
APR 10 2019  
File with Department of Environmental Protection

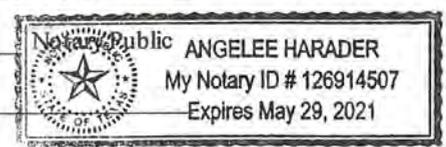
I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on April 1, 2016, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations 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

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

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



Proposed Revegetation Treatment: Acres Disturbed +1 - 4.5 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 & fibers =500 / EA Tons/acre

**Seed Mixtures**

<b>Temporary</b>		<b>Permanent</b>	
Seed Type	lbs/acre	Seed Type	lbs/acre
<u>N/A</u>		<u>Tall Fescue Blend</u>	<u>250</u>
		<u>43% Kentucky 31 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: Jeremy James Add 100ft cement plug @ 178csg 05/31/2019

Comments: Shot + @ sea level

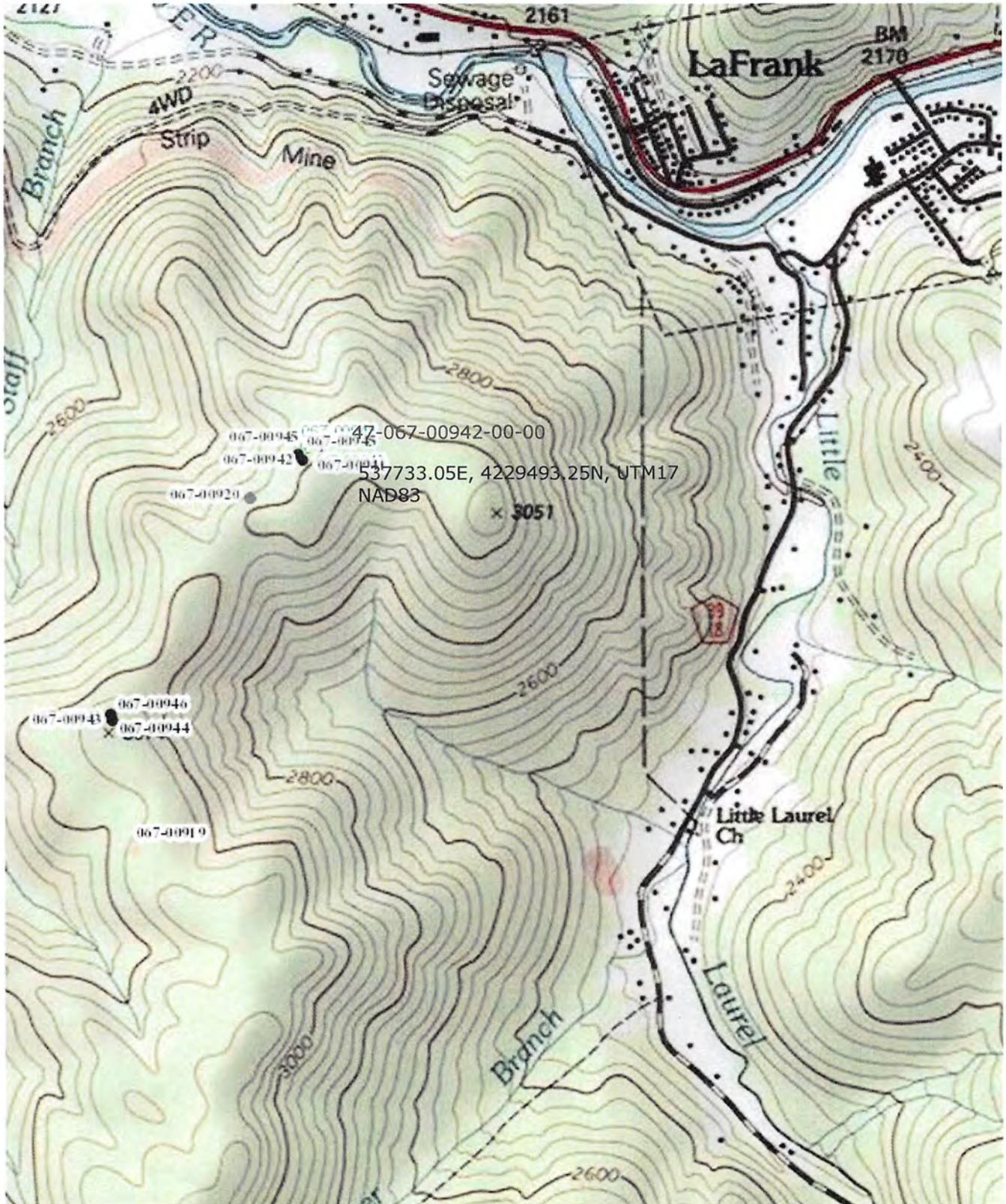
Title: inspector OOG

Date: 3-29-19

Field Reviewed?  Yes

No

RECEIVED  
Office of Oil and Gas  
APR 10 2019  
WV Department of  
Environmental Protection

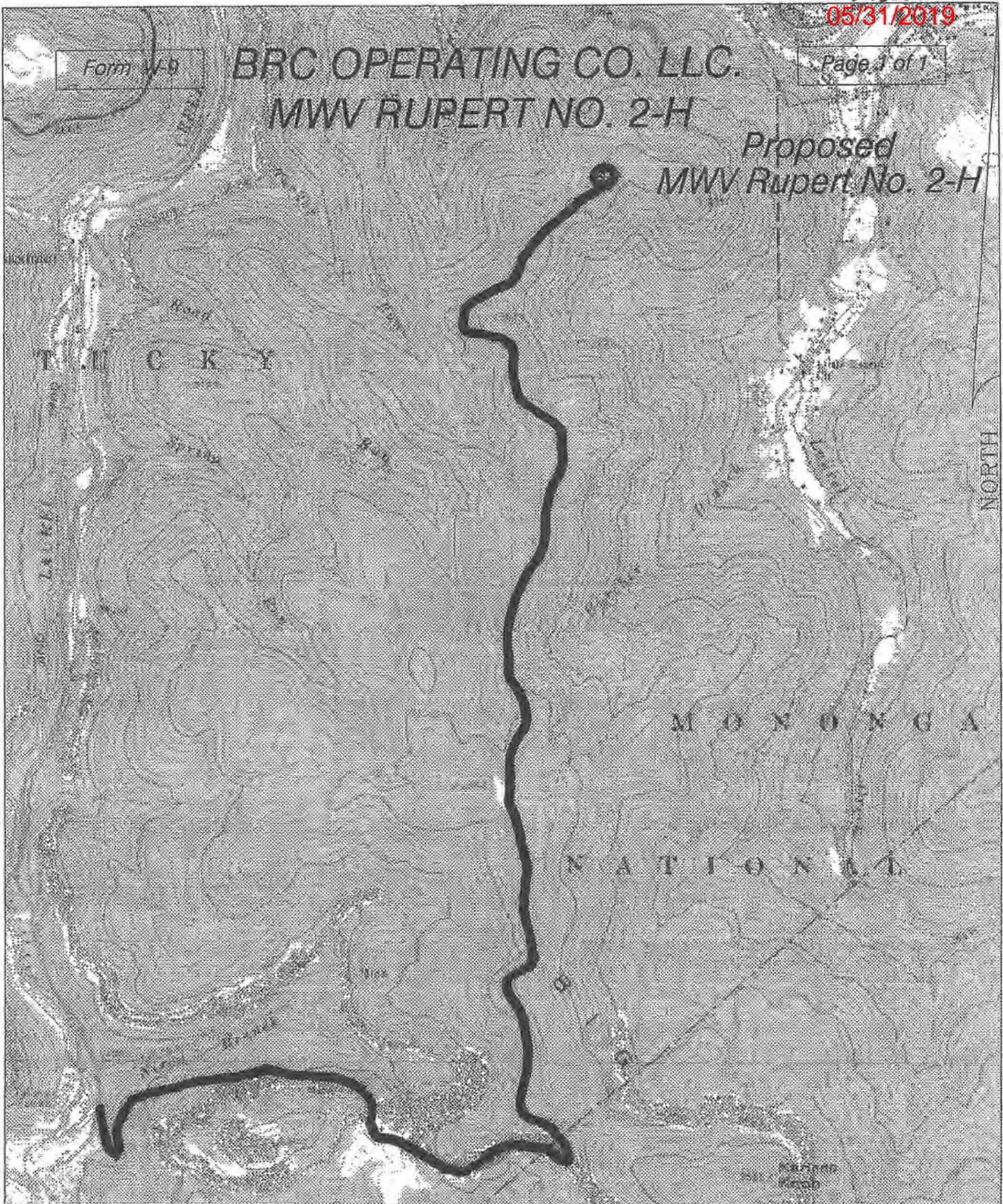


Form W-9

# BRC OPERATING CO. LLC. MWV RUPERT NO. 2-H

Page 1 of 1

Proposed  
MWV Rupert No. 2-H



**HUPP Surveying & Mapping**

P.O. BOX 647 GRANTSVILLE, WV 24847  
PH: (304) 357-7035 E-MAIL: [nhupp@huppsurvey.com](mailto:nhupp@huppsurvey.com)

1" = 2000'  
Richwood Quad

BRC OPERATING CO. LLC.  
200 Crescent Court, Suite 200  
Dallas, TX 75201

05/31/2019

WW-7  
8-30-06

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

API: 47-6700942 WELL NO.: MWV Rupert 2H

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

UTM GPS NORTHING: 4229493.25

UTM GPS EASTING: 537733.05 GPS ELEVATION: 3012'

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  : Post Processed Differential \_\_\_\_\_

Real-Time Differential

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

DESIGNATED AGENT  
Title

4/16/19  
Date