



west virginia department of environmental protection

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

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

Friday, July 26, 2019

WELL WORK PLUGGING PERMIT
Horizontal 6A Plugging

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

Re: Permit approval for WR INFANTRY 1-1H
47-067-00948-00-00

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: WR INFANTRY 1-1H
Farm Name: PLUM CREEK TIMBERLANDS
U.S. WELL NUMBER: 47-067-00948-00-00
Horizontal 6A Plugging
Date Issued: 7/26/2019

Promoting a healthy environment.

I

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.

CONDITIONS

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.

WW-4B
Rev. 2/01

1) Date February 20, 20 19
2) Operator's
Well No. WR Infantry 1-1H
3) API Well No. 47-67 - 00948

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 2420 Watershed Mouse Fork of Hominy Creek
District Wilderness County Nicholas Quadrangle Mount Nebo, WV

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

RECEIVED
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

WR Infantry 1-1H

9-5/8" 43# L80 production casing set at 6,397 and cemented to surface/topped off

Previous plug set @ 6,376'

MIRU workover rig and BOP

Perform BOP function test

Fill casing with 6% *CEL*

TIH with 2-7/8" workstring open ended to 6,376' TOP OF PLUG. (CHECK DEPTH).

RU Halliburton cement unit POOH TO 3115'

M&P 30 bbl Class A cement @ 15.6 ppg

Set 1st balanced plug from 3115' TO 2904'

Displace with 6% *CEL*

POOH 3 stands above 2904' & WOC

TIH and tag cement. ADD CEMENT IF NEEDED, POOH TO 2473'

M&P 30 bbl Class A cement @ 15.6 ppg

Set 2nd plug from 2473' - 2262'. WOC, TAG CEMENT, ADD CEMENT IF NEEDED.

Cut production, intermediate and surface casing 2' below surface

Weld cap with API number and set monument.

Add 100ft cement plug 2470-2370

POOH TO 1475' AND SET A CLASS A CEMENT PLUG FROM 1475' TO 1264'. POOH 3 STANDS. WOC, TAG CEMENT ADD IF NEEDED.

POOH TO 210' & SET 210' CLASS A PLUG TO SURFACE,

JHU

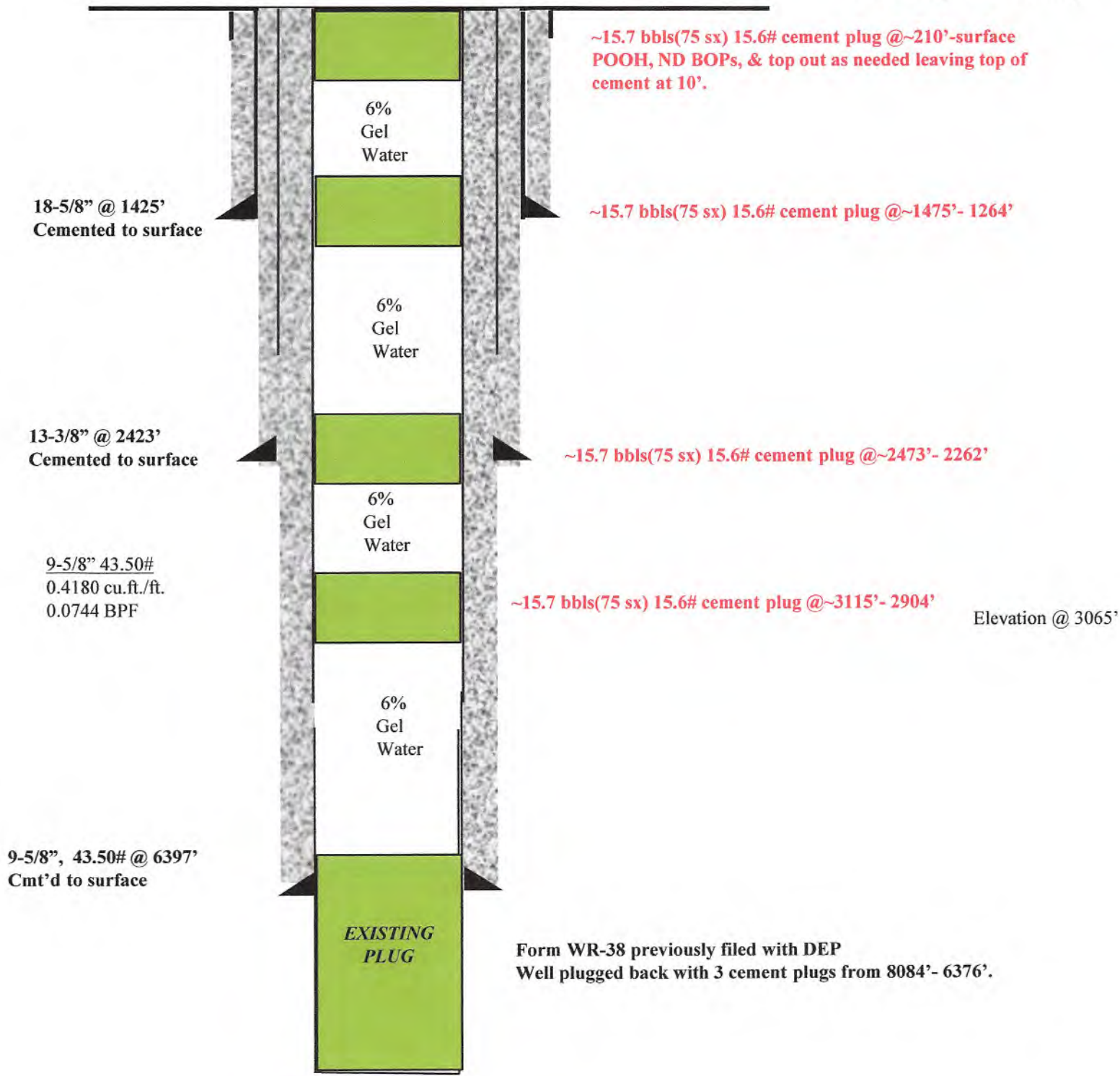
RECEIVED
Office of Oil and Gas
APR 10 2019
WV Department of
Environmental Protection

LAST

47-067-00948

BRC Operating Company, LLC
WR Infantry 1-1H
API No. 47-067-00948
Proposed Wellbore Schematic

Prepared by: Tim McGilvray



47-067-00948P

WV-59
Rev. 5/98

APP# 47-067-00948

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

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SWORN TO BE IN TRIPPLICATE, one copy mailed to the Department, one copy to be retained by the Well Operator, and the third copy (and extra copies if required) should be mailed to each local operator at their respective addresses.

Firm name: Plum Creek Timberlands LP Operator Well No: WV Infantry 1-141

LOCATION: Elevator: 2420 Guadalupe: Mount Nebo WV
District: Wilderness County: Nicholas
Latitude: 8.340 Feet South of 38 Day: 12 Mon: 30 Sun:
Longitude: 8.340 Feet West of 80 Long: 45 Min: 00 Sun:

Well Type: Oil Gas

Company: BPC Operating Co., LLC Coal Operator: Highland Energy Resources, LLC
200 Crescent Court, Suite 1000, Ft. Worth, Texas 76102
20000 Highway 100, P.O. Box 100, Mineral, West Virginia 26049

Agent: Charles Brightman Coal Operator
Petroleum based fluid: None

AFFIDAVIT

STATE OF WEST VIRGINIA
County of Nicholas

I, Charles Brightman and James Cordell being first duly sworn according to law, do hereby affirm and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by the above named well operator, and participated in the work of plugging and filling the above well. My said work was commenced on the 12th day of December, 2011, and the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
CEMENT	8084	7834		None
CEMENT	7884	7618		None
CEMENT	7678	6376		None

Description of procedure: Plugging and filling and that the work of plugging and filling said well was completed on the 12th day of December, 2011.

And further deposes that Charles Brightman
James Cordell

Sworn and subscribed before me this 20th day of December, 2011

My commission expires 09/05/19

James Cordell
Notary Public



Affidavit reviewed by the Office of Oil and Gas _____

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47-067-009481

WR-38
Rev 5/08

API # 47-067-00948

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

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE IN TRIPPLICATE, one copy mailed to the Department, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

Farm name Plum Creek Timberlands LP Operator Well No WR Infantry 1-1H

LOCATION Elevation 2420 Quadrangle Mount Nebo, WV
District Wilderness County Nicholas
Latitude 6.340 Feet South of 38 Deg 12 Min 30 Sec
Longitude 9.340 Feet West of 80 Deg 45 Min 00 Sec

Well Type: OIL GAS

Company BRC Operating Co., LLC Coal Operator Highland Mineral Resources, LLC
290 Crescent Court, Suite 1500 or Owner Minerals Dept. Five Concourse Parkway, Suite 1450
Dallas, Texas 75201 Atlanta, Georgia 30328
Agent Charles Brightman Coal Operator
Permit Issued Date 8/20/13 or Owner

AFFIDAVIT

STATE OF WEST VIRGINIA
County of Nicholas

Chad Louchet and Bobby Brewer being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by the above named well operator and participated in the work of plugging and filling the above well say that said work was commenced on the Third day of November 2013 and the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT

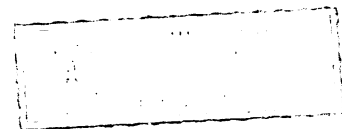
Description of monument see attached and that the work of plugging and filling said well was completed on the 4th day of February 2014

And further deponents say that: see attached

Sworn and subscribe before me this 10th day of December 2013

My commission expires 08/05/19
James L. Smith
Notary Public

Affidavit reviewed by the Office of Oil and Gas _____ Title: _____



RECEIVED
Office of Oil and Gas
APR 10 2019
WV Department
Environment

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

API 47-067-00948 County Nicholas District Wilderness
 Quad Mount Nebo Pad Name WR Pad 7 Field/Pool Name Marcellus
 Farm name Plum Creek Timberlands LP Well Number WR Infantry 1-1H
 Operator (as registered with the OOG) BRC Operating Company, LLC
 Address 200 Crescent Court, Suite 1900 City Dallas State Texas Zip 75201

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey
 Top hole Northing 38.19088 Easting 80.78252
 Landing Point of Curve Northing Not applicable Easting Not applicable
 Bottom Hole Northing 38.19088 Easting 80.78252

Elevation (ft) 2420 GL Type of Well New Existing Type of Report Interim Final
 Permit Type Deviated Horizontal Horizontal 6A Vertical Depth Type Deep Shallow
 Type of Operation Convert Deepen Drill Plug Back Redrilling Rework Stimulate
 Well Type Brine Disposal CBM Gas Oil Secondary Recovery Solution Mining Storage Other _____
 Type of Completion Single Multiple Fluids Produced Brine Gas NGL Oil Other N/A
 Drilled with Cable Rotary

Drilling Media Surface hole Air Mud Fresh Water Intermediate hole Air Mud Fresh Water Brine
 Production hole Air Mud Fresh Water Brine
 Mud Type(s) and Additive(s)
Oil Based

Date permit issued 08/07/2017 Date drilling commenced 09/03/2017 Date drilling ceased 10/29/2017
 Date completion activities began Not initiated Date completion activities ceased _____
 Verbal plugging (Y/N) Y Date permission granted 10/30/2017 Granted by Jeremy James, Insp.

Please note: Operator is required to submit a plugging application within 5 days of verbal permission to plug

Freshwater depth(s) ft 1164 Open mine(s) (Y/N) depths N
 Salt water depth(s) ft 2578 Void(s) encountered (Y/N) depths N
 Coal depth(s) ft 510' - 640' Cavern(s) encountered (Y/N) depths N
 Is coal being mined in area (Y/N) N

Reviewed by:

[Signature]

API 47-067 - 00948 Farm name Plum Creek Timberlands LP Well number WR Infantry 1-1H

CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade wt/ft	Basket Depth(s)	Did cement circulate (Y/N) * Provide details below*
Conductor	30"	26"	114'	N	102.7		Y
Surface	24"	18-5/8"	1408'	N	94.5		Y
Coal							
Intermediate 1	17-1/2"	13-3/8"	2404'	N	54.5		Y
Intermediate 2	12-1/4"	9-5/8"	6378'	N	47.0		Y
Intermediate 3							
Production							
Tubing							
Packer type and depth set							

Comment Details _____

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft ³ /sks)	Volume (ft ³)	Cement Top (MD)	WOC (hrs)
Conductor					126	114'	
Surface	A	3,350	15.4-15.5	1.22	4087	1408'	
Coal							
Intermediate 1	A	1,531	15.4-16.5	1.22	1867	2404'	
Intermediate 2	A	2,731		1.22	3,331	6378'	
Intermediate 3							
Production							
Tubing							

Drillers TD (ft) _____ Loggers TD (ft) _____
 Deepest formation penetrated Lower Marcellus Plug back to (ft) 6307
 Plug back procedure Partial plugging completed 10/30/2017 thru 11/02/2017; refer to attachment

Kick off depth (ft) 6402 _____

Check all wireline logs run caliper density deviated/directional induction
 neutron resistivity gamma ray temperature sonic

Well cored Yes No Conventional Sidewall Were cuttings collected Yes No

DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING One per casing joint

WAS WELL COMPLETED AS SHOT HOLE Yes No DETAILS _____

WAS WELL COMPLETED OPEN HOLE? Yes No DETAILS _____

WERE TRACERS USED Yes No TYPE OF TRACER(S) USED _____

API 47-067 - 00948 Farm name Plum Creek Timberlands LP Well number WR Infantry 1-1H

PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
N/A	N/A				

Please insert additional pages as applicable.

STIMULATION INFORMATION PER STAGE

Complete a separate record for each stimulation stage.

Stage No.	Stimulations Date	Ave Pump Rate (BPM)	Ave Treatment Pressure (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Amount of Proppant (lbs)	Amount of Water (bbls)	Amount of Nitrogen/other (units)
N/A	N/A							

Please insert additional pages as applicable.

API 47- 067 - 00948 Farm name Plum Creek Timberlands LP Well number WR Infantry 1-1H

<u>PRODUCING FORMATION(S)</u>	<u>DEPTHS</u>			
<u>Marcellus</u>	<u>7248</u>	<u>TVD</u>	<u>7248</u>	<u>MD</u>
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

Please insert additional pages as applicable.

GAS TEST Build up Drawdown Open Flow OIL TEST Flow Pump

SHUT-IN PRESSURE Surface _____ psi Bottom Hole _____ psi DURATION OF TEST _____ hrs

OPEN FLOW Gas _____ mcfpd Oil _____ bpd NGL _____ bpd Water _____ bpd GAS MEASURED BY Estimated Orifice Pilot

<u>LITHOLOGY/ FORMATION</u>	<u>TOP DEPTH IN FT NAME TVD</u>	<u>BOTTOM DEPTH IN FT TVD</u>	<u>TOP DEPTH IN FT MD</u>	<u>BOTTOM DEPTH IN FT MD</u>	<u>DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H₂S, ETC)</u>
<u>FORMATION</u>	<u>0</u>		<u>0</u>		
<u>LITTLE LIME</u>	<u>1945</u>	<u>2010</u>	<u>1945</u>	<u>2010</u>	<u>LIMESTONE/MIN BRINE</u>
<u>BLUE MONDAY</u>	<u>2010</u>	<u>2070</u>	<u>2010</u>	<u>2070</u>	<u>LIMESTONE / MIN BRINE</u>
<u>BIG LIME</u>	<u>2070</u>	<u>2430</u>	<u>2070</u>	<u>2430</u>	<u>LIMESTONE / MIN BRINE/MIN OIL</u>
<u>BEREA</u>	<u>2750</u>	<u>3110</u>	<u>2750</u>	<u>3110</u>	<u>SANDSTONE / MIN BRINE</u>
<u>GORDON</u>	<u>3110</u>	<u>4800</u>	<u>3110</u>	<u>4800</u>	<u>SANDSTONE / MIN BRINE</u>
<u>SYCAMORE</u>	<u>6420</u>	<u>6670</u>	<u>6420</u>	<u>6670</u>	<u>SHALE NO FLUID</u>
<u>HAMILTON</u>	<u>6670</u>	<u>6990</u>	<u>6670</u>	<u>6990</u>	<u>SHALE NO FLUID / GAS</u>
<u>MAHANTANGO</u>	<u>6990</u>	<u>7130</u>	<u>6990</u>	<u>7130</u>	<u>SHALE NO FLUID / GAS</u>
<u>UPPER MARCELLUS</u>	<u>7130</u>	<u>7210</u>	<u>7130</u>	<u>7210</u>	<u>SHALE NO FLUID / GAS</u>
<u>CHERRY VALLEY</u>	<u>7210</u>	<u>7248</u>	<u>7210</u>	<u>7248</u>	<u>LIMESTONE / GAS</u>
<u>LOWER MARCELLUS</u>	<u>7248</u>	<u>7288</u>	<u>7248</u>	<u>7288</u>	<u>SHALE / GAS</u>

Please insert additional pages as applicable.

Drilling Contractor PRECISION DRILLING
Address 10350 RICHMOND AVENUE SUITE 700 City HOUSTON State TX Zip 77042

Logging Company WEATHERFORD
Address 300 BURNETT ST City FORT WORTH State TX Zip 76102

Cementing Company SCHLUMBERGER
Address 4600 J. BARRY COURT, SUITE 200 City CANONSBURG State PA Zip 15317

Stimulating Company N/A
Address _____ City _____ State _____ Zip _____

Please insert additional pages as applicable.

Completed by Chad A. Touchet Telephone 817-739-4410
Signature *Chad A. Touchet* Title Vice President Date 12-13-2017

47-067-00948

FORM WW 6

LONG. 80°46'57.1"

9,340'

LATITUDE 38°12'30"

WR 1-1H (47-067-00948) REVISED

LONGITUDE 80°45'00"
6,340'
LAT. 38°11'27.2"

LINE LEGEND

- LEASE BOUNDARY
- CREEK/FORK
- PROPOSED LATERAL
- ROADS
- SURFACE BOUNDARY

WR INFANTRY 1-1H LANDING POINT

STATE PLANE COORDINATES
SOUTH ZONE -NAD 27
(N) 434184
(E) 2062023

L & I DECIMAL
NAD 27
38.19220
80.79419

UTM (NAD 83)
ZONE 17
METERS
4227175.10
518914.17

WR INFANTRY 1-1H SURFACE HOLE

STATE PLANE COORDINATES
SOUTH ZONE -NAD 27
(N) 433705
(E) 2062505

L & I DECIMAL
NAD 27
38.19088
80.79252

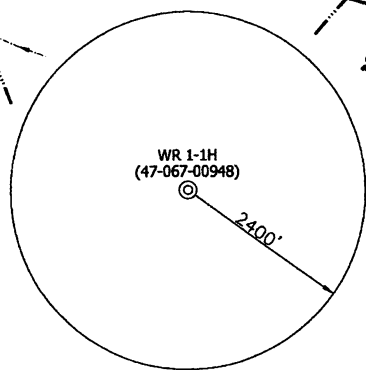
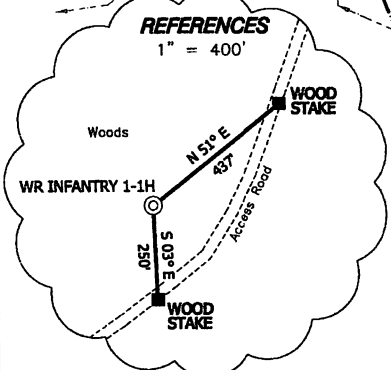
UTM (NAD 83)
ZONE 17
METERS
4227025.03
519050.82

WR INFANTRY 1-1H BOTTOM HOLE

STATE PLANE COORDINATES
SOUTH ZONE -NAD 27
(N) 438565
(E) 2057314

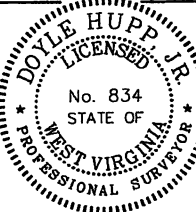
L & I DECIMAL
NAD 27
38.20453
80.80054

UTM (NAD 83)
ZONE 17
METERS
4228540.24
517479.24



- NOTES ON SURVEY**
1. THERE ARE NO EXISTING OCCUPIED DWELLINGS, BUILDINGS OR RAILROADS WITHIN 625' OF PROPOSED WELL.
 2. THERE ARE NO WATER WELLS OR DEVELOPED SPRINGS WITHIN 250' OF PROPOSED WELL.
 3. TIES TO WELLS AND CORNERS ARE BASED ON STATE PLANE GRID NORTH WV SOUTH ZONE NAD '27.
 4. WELL LAT./LONG. ESTABLISHED BY SG-GPS(OPUS).
 5. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF NICHOLAS COUNTY IN APRIL, 2017 AND INFORMATION PROVIDED BY BRC OPERATING CO., LLC.
 6. WELLS SHOWN ARE TAKEN FROM RECORDS OF WVDEP.

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 RULES ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.

DATE AUGUST 22, 20 17

OPERATORS WELL NO. WR 1-1H

API WELL NO. 47-067-00948

STATE MD COUNTY MD PERMIT MD

MINIMUM DEGREE OF ACCURACY 1/2500 FILE NO. W2550 (BK83-78)

PROVEN SOURCE OF ELEVATION SG-GPS (OPUS) SCALE 1" = 1000'

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

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

LOCATION :
ELEVATION 2,420' WATERSHED MOUSE FORK OF HOMINY CREEK
DISTRICT WILDERNESS COUNTY NICHOLAS QUADRANGLE MT. NEBO

SURFACE OWNER PLUM CREEK TIMBERLANDS LP ACREAGE 33.39±

ROYALTY OWNER MEADWESTVACO CORP., et al LEASE ACREAGE 552.79±

PROPOSED WORK :
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
ESTIMATED DEPTH TVD- 7,297'-7,362' MD- 14,184'

WELL OPERATOR BRC OPERATING CO., LLC DESIGNATED AGENT CHUCK BRIGHTMAN

ADDRESS 200 CRESCENT COURT, SUITE 1900 DALLAS, TX 75201 ADDRESS 44 SUNDAY RD. HICO, WV 25884

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

COUNTY NAME
PERMIT

47-067-00948P

WW-4A
Revised 6-07

1) Date: February 20, 2019
2) Operator's Well Number
WR Infantry 1-1H
3) API Well No.: 47 - 67 - 00948

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

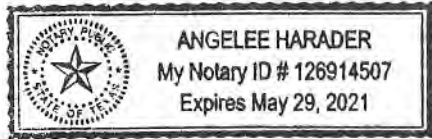
4) Surface Owner(s) to be served: (a) Name Weyerhaeuser Company, Address 220 Occidental Ave South, Seattle, WA 98104. (b) Name, Address. (c) Name, Address. 5) (a) Coal Operator Name, Address. (b) Coal Owner(s) with Declaration Name, Address. (c) Coal Lessee with Declaration Name, Address. 6) Inspector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

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 BRC Operating Company, LLC
By: Charles Brightman
Its: Agent
Address 286 Sunday Rd. Hico, WV 25854
Telephone 303-880-8121

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

Subscribed and sworn before me this 2nd day of April, 2019
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 deprivaacyoffier@wv.gov.

47-067-00948A

WW-9
(5/16)

API Number 47 - 67 - 00948
Operator's Well No. WR Infantry 1-1H

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) Mouse Fork of Hominy Creek Quadrangle Mount Nebo, WV

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 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 [Signature]

Company Official (Typed Name) CHARLES BRUBAKER

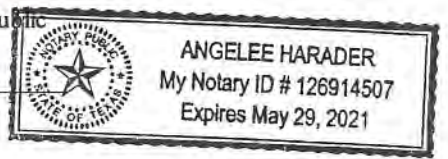
Company Official Title DESIGNATED AGENT

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

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

Angelee Harader Notary Public

My commission expires 5-29-2021



Proposed Revegetation Treatment: Acres Disturbed +1 - 6.8 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

Tall Fescue Blend 250

43% Kentucky 31 Tall Fescue, 43% Red Fescue

7% White Clover, 7% Annual Rye

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: _____

Comments: _____

Add 100ft plug @ 509 level

RECEIVED
Office of Oil and Gas

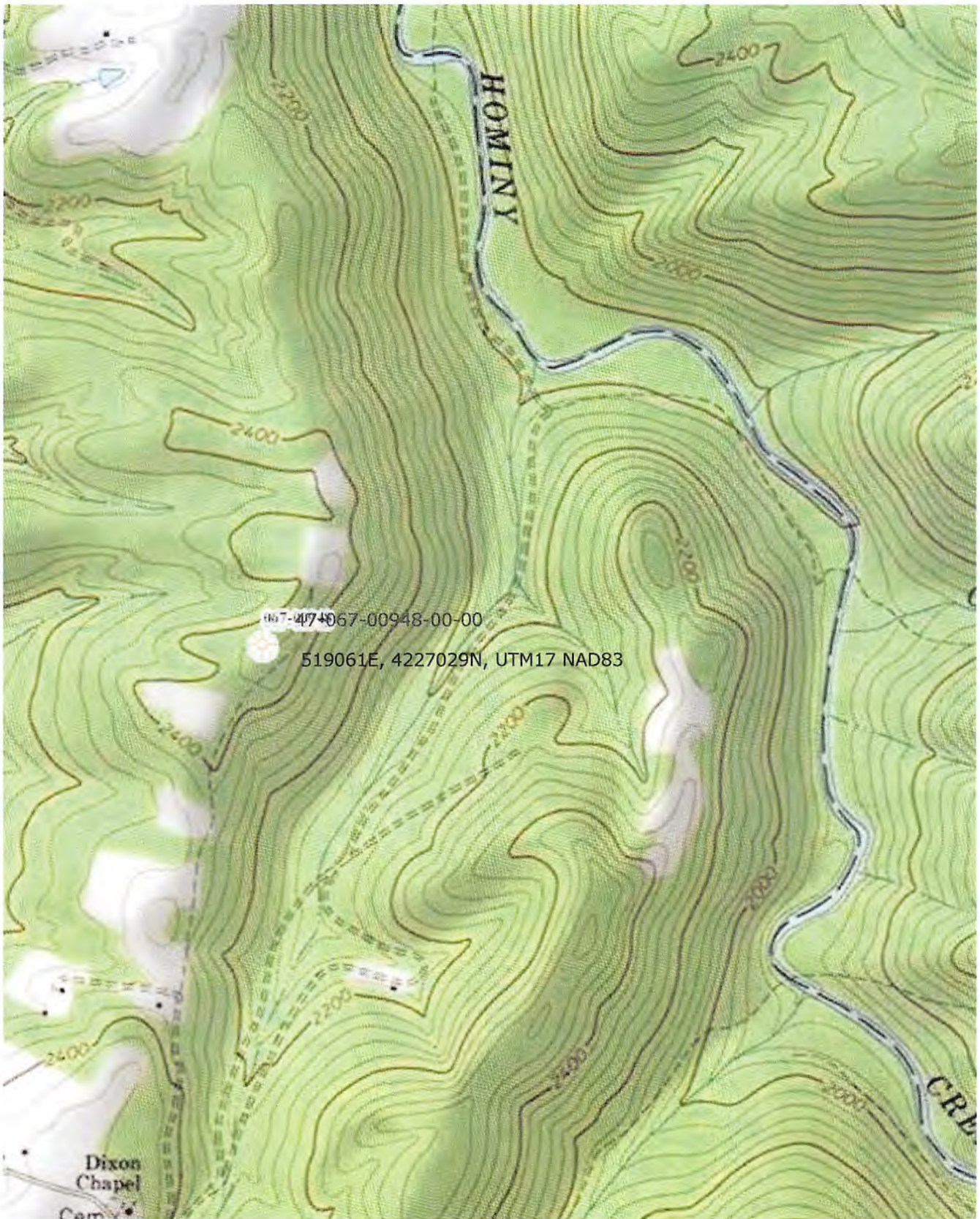
APR 10 2019

WV Department of
Environmental Protection

Title: inspector 006

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: 47-6700948 WELL NO.: WR Infantry 1-1H

FARM NAME: _____

RESPONSIBLE PARTY NAME: BRC Operating Company, LLC

COUNTY: Nicholas DISTRICT: Wilderness

QUADRANGLE: Mount Nebo, WV

SURFACE OWNER: Weyerhaeuser Company

ROYALTY OWNER: Westrock Company

UTM GPS NORTHING: 4227028.76

UTM GPS EASTING: 519060.58 GPS ELEVATION: 2420'

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

DESIGNATED AGENT
Title

4/16/19
Date