



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, August 28, 2020

WELL WORK PLUGGING PERMIT
Vertical Plugging

RED ROCK ENERGY L.L.C.
42 LYNCH RIDGE

WALTON, WV 25286

Re: Permit approval for 3
47-087-02168-00-00

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: 3
Farm Name: BARR, P. - HEIRS
U.S. WELL NUMBER: 47-087-02168-00-00
Vertical Plugging
Date Issued: 8/28/2020

A handwritten signature in blue ink, appearing to read "James A. Martin", is written over a light blue circular stamp.

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.

1) Date 08/26, 2020
2) Operator's
Well No. P.E. BARR HEIRS #3
3) API Well No. 47-087-02168

47-087-02168P

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 X or Underground storage ___) Deep ___ / Shallow X

5) Location: Elevation 900 Watershed ROCK CREEK
District WALTON County ROANE Quadrangle WALTON

6) Well Operator RED ROCK ENERGY L.L.C. 7) Designated Agent TERRY REXROAD
Address 42 LYNCH RIDGE Address _____
WALTON WV 25286

8) Oil and Gas Inspector to be notified
Name JOSEPH TAYLOR
Address 304-380-7469

9) Plugging Contractor
Name R&R WELL SERVICE L.L.C.
Address 42 LYNCH RIDGE
WALTON WV 25286

10) Work Order: The work order for the manner of plugging this well is as follows:
FREE POINT AND RECOVER CASING'S AND TUBULAR'S
6% GEL BETWEEN ALL PLUGS
SET CEMENT 1978 TO 1750. COVERING FORMATION AND 6 5/8 CASING
SET CEMENT 950 TO 850. ELEVATION PLUG
SET CEMENT 200' TO SURFACE. FRESH WATER PLUG AND SURFACE PLUG
TAG PLUG'S AS NESSARY, SET MONUMENT WITH API NUMBER

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

Work order approved by inspector  Date 8-27-2020

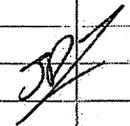
L. S. E. W.	Location Made	Purchased From
Civil District	Rig Completed	Date Purchased
County	Dr'g Commenced	Sold to
State	Dr'g Completed August 28, 1909	Date Sold
AS IL Rights Owned By	Dr'g Contractor	Date Abandoned

FORMATION					CASING RECORD				
Kind	Top	Bottom	Steel Line Meas.	Tests	Size	Bottom Casing Steel Line	Put in Well Tally Meas.	Pulled Tally Meas.	Ce
Conductor	0	15			6 5/8"		1800'		Date
Red Rock	15	125			5 3/16"		1822'		Size Csg
Sand & Water	125	160							Top Csg
Red Rock	160	300							Bot. Csg
Lime	300	320							
Red Rock	320	430							
White Sand	430	500							
Red Rock	500	600							
White Sand	600	655							
Slate & Shell	655	745							
Big Dunkard	745	930							
8" Casing		755	Pulled out						
Slate & Shell	930	1295							
Water	1295	1396							
Slate	1396	1400							
Salt Sand	1400	1440							
Little Lime	1440	1760							
Pencil Cave	1760	1790							
Big Lime	1790	1795							
Big Injun	1943	1978							
Total Depth		1978							

PACKERS AND SHOES			
Kind	Size	Depth Set	D:

TORPEDO RECORD				
Date	No. Qts.	Size Shell	Top Shot	Bottom
1 14 1913	60		1951	1971
6 24 1942	30		1950	1971

Initial Prod.	Sand	* At Completion	* 30 Days After	*
Oil				
Gas				


 APPROVED

1) Date: 08/26/2020
2) Operator's Well Number
P.E. BARR HEIRS #3
3) API Well No.: 47 - 087 - 02168

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

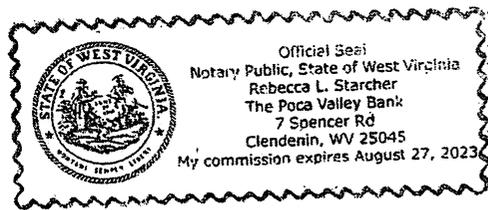
4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>JANET AND MICHAEL HUFFMAN</u>	Name _____
Address <u>273 QUARRT ROAD</u>	Address _____
<u>WALTON, WV 25286</u>	
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name _____
	Address _____
(c) Name _____	Name _____
Address _____	Address _____
6) Inspector <u>JOSEPH TAYLOR</u>	(c) Coal Lessee with Declaration
Address _____	Name _____
Telephone <u>304-380-7469</u>	Address _____

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 RED ROCK ENERGY L.L.C.
 By: TERRY REXROAD
 Its: MANAGING MEMBER
 Address 42 LYNCH RIDGE
WALTON WV 25286
 Telephone 304-531-4822

Subscribed and sworn before me this 27th day of August, 2020
Rebecca A. Starcher Notary Public
 My Commission Expires August 27 2023

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.

SURFACE OWNER WAIVER

47-087-02168 P

Operator's Well
Number

P.F. BARR Heirs E

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 57th 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 a Notice 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,

James R. Thomas
Signature

Date 8/26/20 Name
By
Its

Date

Signature

Date

N/A

API No. 47-087-02168 P
Farm Name _____
Well No. P.E. BARR HEIRS #3

**INSTRUCTIONS TO COAL OPERATORS
OWNERS AND LESSEE**

The well operator named on the obverse side of WW-4 (B) is about to abandon the well described in the enclosed materials and will commence the work of plugging and abandoning said well on the date the inspector is notified. Which date shall not be less than five days after the day on which this notice and application so mailed is received, or in due course should be received by the Department of Environmental Protection Office of Oil & Gas.

This notice and application is given to you in order that your respective representatives may be present at the plugging and filling of said well. You are further notified that whether you are represented or not the operator will proceed to plug and fill said well in the manner required by Section 24, Article 6, Chapter 22 of the Code and given in detail on obverse side of this application.

NOTE: If you wish this well to be plugged according to 22-6-24(d) then as per Regulation 35CSR4-13.9 you must complete and return to this office on form OB-16 "Request by Coal Operator, Owner, or Lessee for plugging" prior to the issuance of this plugging permit.

WAIVER

The undersigned coal operator _____ / owner _____ / lessee _____ / of the coal under this well location has examined this proposed plugging work order. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: _____

By: _____

Its _____

N/A

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

Operator Name RED ROCK ENERGY L.L.C. OP Code _____

Watershed (HUC 10) ROCK CREEK Quadrangle WALTON

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: ANY FLUID RETURN WILL BE CAUGHT IN TANK AND DISPOSED OF OFF SITE

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 _____)

ANKWELL EFFLUENT WILL BE CONTAINED IN TANKS AND DISPOSED OFF-SITE. JML

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

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

-If oil based, what type? Synthetic, petroleum, etc. _____

Additives to be used in drilling medium? _____

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. _____

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

-Landfill or offsite name/permit number? _____

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.

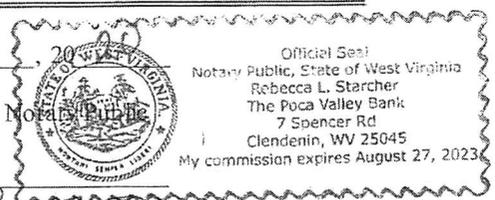
I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on April 1, 2016, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations 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 *Terry Rexroad*
Company Official (Typed Name) Terry Rexroad
Company Official Title Managing Member

Subscribed and sworn before me this 27th day of August
Rebecca L. Starcher

My commission expires August 27 2023



Rebecca L. Starcher 8-27-2020

Proposed Revegetation Treatment: Acres Disturbed 1 Prevegetation pH 6.5

Lime 2 Tons/acre or to correct to pH 6.5

Fertilizer type 10-20-20

Fertilizer amount _____ lbs/acre

Mulch HAY Tons/acre

Seed Mixtures

Temporary

Permanent

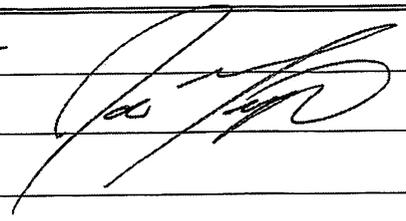
Seed Type	lbs/acre
FESCUE	30
CONTRACTORS MIX	

Seed Type	lbs/acre
FESCUE	30
CONTRACTORS MIX	

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: Joe Taylor 

Comments: _____

Title: OOG Inspector Date: 8-27-2020

Field Reviewed? Yes No

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

Operator Name: RED ROCK ENERGY L.L.C.
Watershed (HUC 10): ROCK CREEK Quad: WALTON
Farm Name: _____

1. List the procedures used for the treatment and discharge of fluids. Include a list of all operations that could contaminate the groundwater.

N/A

2. Describe procedures and equipment used to protect groundwater quality from the list of potential contaminant sources above.

N/A

3. List the closest water body, distance to closest water body, and distance from closest Well Head Protection Area to the discharge area.

ROCK CREEK

4. Summarize all activities at your facility that are already regulated for groundwater protection.

N/A

5. Discuss any existing groundwater quality data for your facility or an adjacent property.

507

N/A

N/A

6. Provide a statement that no waste material will be used for deicing or fill material on the property.

NO MATERIAL WILL BE USED

7. Describe the groundwater protection instruction and training to be provided to the employees. Job procedures shall provide direction on how to prevent groundwater contamination.

N/A

8. Provide provisions and frequency for inspections of all GPP elements and equipment.

N/A

Signature: TFRP

Date: 8-26-2020

JD



WW-7
8-30-06



West Virginia Department of Environmental Protection
Office of Oil and Gas

WELL LOCATION FORM: GPS

API: 47-087-02168 WELL NO.: 3

FARM NAME: P.E. BARR HEIRS

RESPONSIBLE PARTY NAME: TERRY REXROAD

COUNTY: ROANE DISTRICT: WALTON

QUADRANGLE: WALTON

SURFACE OWNER: JANET AND MIKE HUFFMAN

ROYALTY OWNER: _____

UTM GPS NORTHING: 4272562.06

UTM GPS EASTING: 463676.09 GPS ELEVATION: 900

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]
Signature

Managing Member
Title

8-26-2020
Date

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