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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)

Friday, May 1, 2020  
WELL WORK PLUGGING PERMIT  
Vertical Plugging

WELCH OIL & GAS COMPANY  
P. O. BOX 4308

PARKERSBURG, WV 261040000

Re: Permit approval for WELCH/BARTON 1  
47-017-03846-00-00

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

A handwritten signature in blue ink, appearing to read "James A. Martin", is written over a faint, larger version of the signature.

Operator's Well Number: WELCH/BARTON 1  
Farm Name: SAMS, LARRY & CAROLYN  
U.S. WELL NUMBER: 47-017-03846-00-00  
Vertical Plugging  
Date Issued: 5/1/2020

Promoting a healthy environment.

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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.

WW-4B  
Rev. 2/01

APR 2 2020  
WV Department of  
Environmental Protection

1) Date April 7, 20 20  
2) Operator's  
Well No. Welch/Barton1  
3) API Well No. 47-017 - 3846

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  / Liquid injection \_\_\_ / Waste disposal \_\_\_ /  
(If "Gas, Production  or Underground storage \_\_\_ ) Deep \_\_\_ / Shallow \_\_\_

5) Location: Elevation 1099 Watershed Knights Fork of Little Flint Run  
District Grant County Doddridge Quadrangle West Union

6) Well Operator Welch Oil & Gas Company 7) Designated Agent Mary Ann Ketelsen  
Address 20 Meadowcrest Drive Address 20 Meadowcrest Drive  
Parkersburg, WV 26101 Parkersburg, WV 26101

8) Oil and Gas Inspector to be notified Name Daniel Flack 9) Plugging Contractor Name ConServ  
Address 58 Rive Ave. Address 929 Charleston Road  
Buckhannon, WV 26201 Spencer, WV 25276

★ 10) Work Order: The work order for the manner of plugging this well is as follows:  
Move in; Rig up; check TD. LOAD HOLE w/ GEL

Trip in hole w/cement string; set cement plug #1 2250'-1950'; Trip out

★ Run CBL in 7" casing; check top of cement; Perforate 7" at 1750'-1620',  
1550' and 1450' (salt water zones); Trip in hole w/ cement string.

Tag cement; set cement plug #2 1950'-1000'; trip out.

Trip in hole; set cement plug #3 1000'-300'; trip out.

Run in w/ wireline; perf 7" casing at 206' (10-3/4 casing shoe); Trip in hole  
set plug #4 300'-surface; Trip out. Top off well; set monument; Rig down

★ NOTIFY INSPECTOR WITH RESULTS OF CBL.

★ SEE ADDENDUM ATTACHED → IF CBL SHOWS CEMENT COVERING FORMATIONS ABOVE 1450', DO NOT PERFORATE!

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

Work order approved by inspector JNM FOR INSPECTOR Date MAY 1, 2020

API NO. 47-017-03846P

WELCH/BARTON 1

ADDENDUM



## 10) WORK ORDER:

If the cement bond log shows that the 7" is cemented to surface, then do not perforate the casing. You should then set a minimum 100' Class A cement plug across elevation. WOC, tag plug, add cement if needed. Add gel if needed, then come up hole to 260' and set a Class A cement plug to surface. Trip out. Top off well; set monument; Rig down.

Jeff McLaughlin, WV DEP

A handwritten signature in blue ink that reads "Jeff McLaughlin".

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Office of Oil and Gas

APR 24 2020

WV Department of  
Environmental Protection

WR-35

API # 47-17-03846

State of West Virginia  
DEPARTMENT OF ENERGY  
Division of Oil and Gas

Well Operator's Report of Well Work

Farm name: PIERSOL, BERTEA Operator Well No.: WELCH/BARTON 1

LOCATION: Elevation: 1078.00 Quadrangle: WEST UNION

District: GRANT County: DODDRIDGE  
Latitude: 5760 Feet South of 39 Deg. 22Min. 30 Sec.  
Longitude 5760 Feet West of 80 Deg. 45 Min. 0 Sec.

Company: W.F.B. CORPORATION, INC.  
3811 E. 7TH. ST-P.O. BOX 4308  
PARKERSBURG, WV 26104-4308

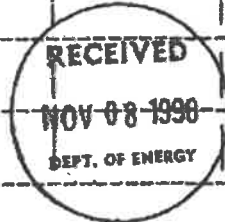
Agent: GREGORY R. BARTON

Inspector: MIKE UNDERWOOD  
Permit Issued: 09/06/90  
Well work Commenced: 9/15/90  
Well work Completed: 9/21/90  
Verbal Plugging  
Permission granted on:  
Rotary  Cable \_\_\_\_\_ Rig  
Total Depth (feet) 2,250  
Fresh water depths (ft) 140

Salt water depths (ft) 1390

Is coal being mined in area (Y/N)? N  
Coal Depths (ft): N/A

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
10 3/4"	206	206	150
7"	2004	2004	300sks



OPEN FLOW DATA

Producing formation Big Injun Pay zone depth (ft) 2,150  
Gas: Initial open flow 400 MCF/d Oil: Initial open flow 0 Bbl/d  
Final open flow 350 MCF/d. Final open flow 0 Bbl/d  
Time of open flow between initial and final tests 48 hrs. Hours  
Static rock Pressure 125 psig (surface pressure) after 48 hrs. 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

NOTE: ON BACK OF THIS FORM 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 ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For: W.F.B. CORPORATION, INC.  
By: \_\_\_\_\_  
Date: 11/13/90

0600 3846

47-017-03846P

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Office of Oil and Gas

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WV Department of  
Environmental Protection

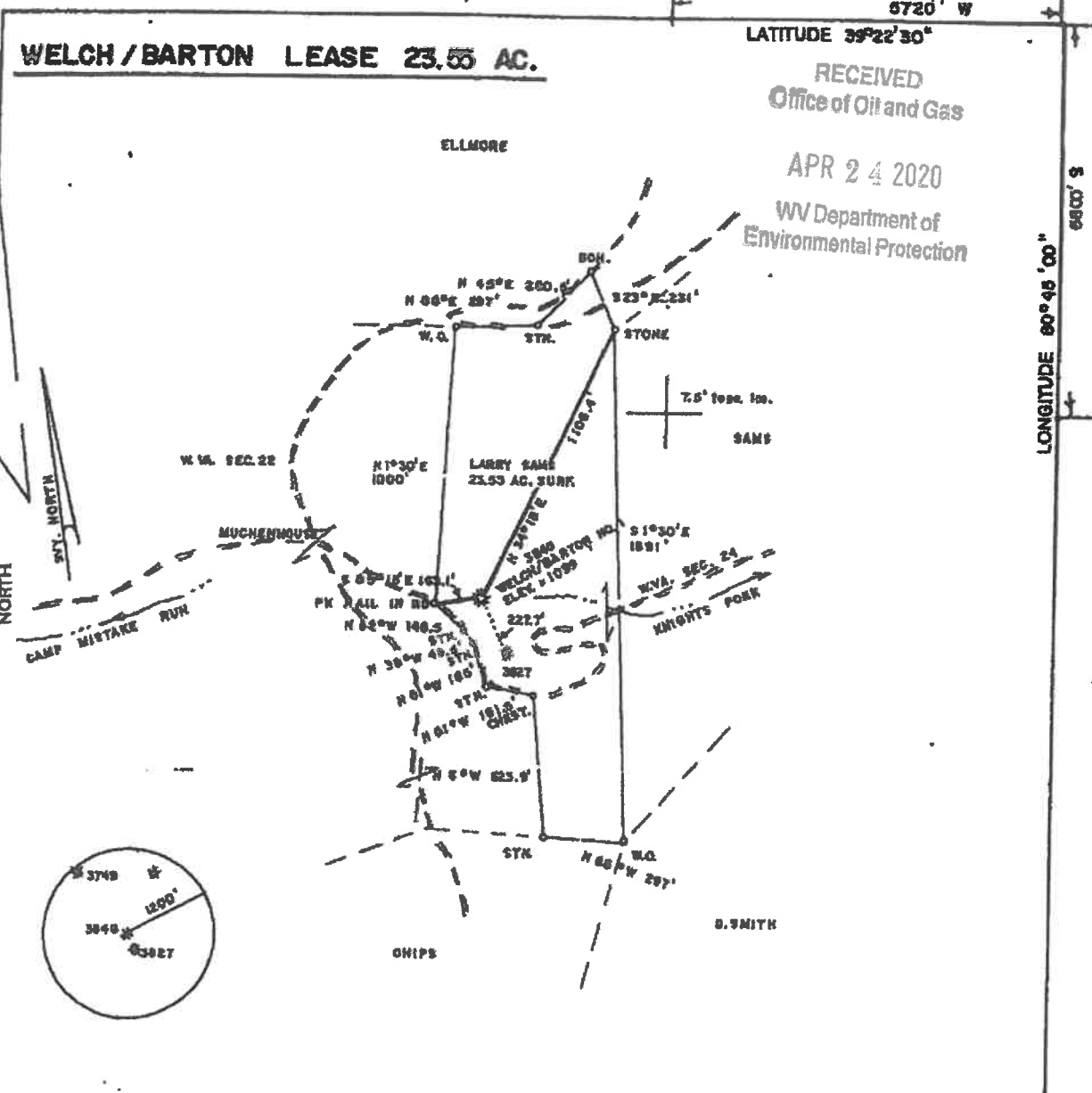
11/22/1

Geological Well Record Data

Well Name: Welch-Barton #1

Permit Number: 47-017-3846

	<u>TOP</u>	<u>BOTTOM</u>	
SOIL	0	26	
BROKEN SANDS	27	164	
SANDS AND SHALES	165	1040	
BIG DUNKARD SAND	1320	1410	
1ST. SALT SAND	1432	1510	
2ND. SALT SAND	1533	1641	
3RD. SALT SAND	1704	1765	
MAXON	1790	1810	
BIG LIME	1830	1906	
KEENER SAND	1908	1950	
BIG INJUN SAND	1955	2230	Gas Show
TD	2250		



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

FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 500'  
 MINIMUM DEGREE OF ACCURACY 1/200  
 PROVEN SOURCE OF ELEVATION TOP OF KNOS  
 NW OF LEASE ELEV. = 1307'

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 DEPARTMENT OF ENERGY.  
 (SIGNED) Mark C. Echard  
 R.P.E. \_\_\_\_\_ I.L.S. 490



STATE OF WEST VIRGINIA  
 Division of Environmental Protection  
 OFFICE OF OIL AND GAS

DATE JULY 6 2000  
 OPERATOR'S WELL NO. WELCH/BARTON NO. 1  
 API WELL NO. 47 017 3846 - F

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

LOCATION: ELEVATION 1099 WATER SHED KNIGHTS FORK OF LITTLE FLINT RUN  
 DISTRICT GRANT COUNTY DODDRIDGE  
 QUADRANGLE WEST UNION 7.5'

SURFACE OWNER LARRY SAMS ACREAGE 23.55  
 OIL & GAS ROYALTY OWNER RM WELCH & C.R. PIERSOL LEASE ACREAGE 23.55  
 LEASE NO. \_\_\_\_\_

PROPOSED WORK: DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_

PLUG AND ABANDON  CLEAN OUT AND REPLUG   
 TARGET FORMATION BIB INJUN ESTIMATED DEPTH 2260'

FORM WM-8

COUNTY NAME DODDRIDGE  
 PERMIT 3846

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Office of Oil and Gas

WW-1A  
Revised 8-07

APR 24 2020

WV Department of  
Environmental Protection

1) Date: 04/07/2020  
2) Operator's Well Number  
Weich/Barton 1  
3) API Well No.: 47 . 017 . 03846

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

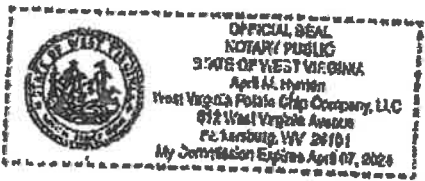
4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>Ernest S. Bortram &amp; Kelly S. Bortram</u>	(a) Name <u>Kelly S. Bortram</u>
Address <u>11 Greenapple Drive</u>	Address _____
(b) Name <u>Delbarton, WV 25670</u>	(b) Coal Owner(s) with Declaration
Address _____	Name _____
(c) Name _____	Address _____
Address _____	Name _____
Address _____	Address _____
6) Inspector <u>Daniel Flack</u>	(c) Coal Lessee with Declaration
Address <u>88 Riva Ave.</u>	Name _____
<u>Buckhannon, WV 26201</u>	Address _____
Telephone <u>304-845-0109</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-1B, 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 reverse 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 Weich Oil & Gas Company  
 By: Mary Ann Katoisen  
 Title: Agent  
 Address: 20 Meadowcrest Drive  
Parkersburg, WV 26101  
 Telephone: 740-423-8702

Subscribed and sworn before me this 16th day of April 2020  
[Signature] Notary Public  
 My Commission Expires April 7, 2024

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 [dep@wv.gov](mailto:dep@wv.gov) or [www.wv.gov](http://www.wv.gov).



47-017-03846T

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Office of Oil and Gas

**SURFACE OWNER WAIVER**

APR 24 2020

Operator's Well  
Number

Weich/Barton 1

WV Department of  
Environmental Protection

**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 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,

	Date	Name	
Signature		By	
		Its	
			Date

WW-4B

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Office of Oil and Gas

APR 24 2020

WV Department of  
Environmental Protection

API No. 47-017-03846  
Farm Name Bertha Pierson  
Well No. Welch/Barton 1

**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 \_\_\_\_\_

*No known operator, owner,  
or lessee of workable  
coalbed / seam on this tract.*

47-017-03846 P

4/21/2020

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Office of Oil and Gas

APR 24 2020

WV Department of  
Environmental Protection

U.S. Postal Service™  
**CERTIFIED MAIL™ RECEIPT**  
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at [www.usps.com](http://www.usps.com)  
**OFFICIAL USE**

7006 2760 0000 1908 3768  
7006 2760 0000 0922 9002

Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$

Postmark  
Here

Sent To  
**Ernest S. Bortram + Kelly S. Bortram**  
Street, Apt. No.,  
or PO Box No. **11 Greenapple Drive**  
City, State, ZIP+4<sup>®</sup> **Delbarton, WV 25670**

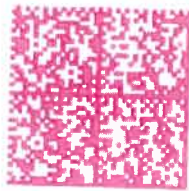
PS Form 3800, August 2006  
**GENUINE MAIL™** See Reverse for Instructions



7006 2760 0000 1908 3768

**Ernest S. Bortram + Kelly S. Bortram**  
**11 Greenapple Drive**  
**Delbarton, WV 25670**

for Services, Inc.  
Charleston Road  
Delbarton, WV 25276



SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION
<ul style="list-style-type: none"> <li>■ Complete items 1, 2, and 3.</li> <li>■ Print your name and address on the reverse so that we can return the card to you.</li> <li>■ Attach this card to the back of the mailpiece, or on the front if space permits.</li> </ul>	<p>A. Signature  <i>x Ernest Bortram</i></p>
<p>1. Article Addressed to:  Ernest S. Bortram + Kelly S. Bortram  11 Greenapple Drive  Delbarton, WV 25670</p>	<p>B. Received by (Printed Name)  <i>Ernest Bortram</i></p> <p>D. Is delivery address different  If YES, enter delivery address</p>
 9590 9402 4860 9032 3354 25	<p>3. Service Type</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Adult Signature</li> <li><input type="checkbox"/> Adult Signature Restricted Delivery</li> <li><input type="checkbox"/> Certified Mail®</li> <li><input type="checkbox"/> Certified Mail Restricted Delivery</li> <li><input type="checkbox"/> Collect on Delivery</li> <li><input checked="" type="checkbox"/> Collect on Delivery Restricted Delivery</li> </ul>
<p>2. Article Number (Transfer from service label)  7006 2760 0000 1908 3768</p>	<p>Mail  Vail Restricted Delivery</p>
PS Form 3811, July 2015 PSN 7530-02-000-9058	

**USPS TRACKING #**



9590 9402 4860 9032 3354 25



**United States  
Postal Service**

\* Sender: Please print your name, address, and ZIP+4®

Contractor Services, Inc.  
929 Charleston Road  
Spencer, WV 25276





WW-9  
(5/16)

APR 24 2020

API Number 47 - 017 5846  
Operator's Well No. Water / Gas

WV Department of  
Environmental Protection  
STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS  
FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name Water Oil & Gas Company OP Code 306408  
Watershed (HUC 10) Knights Fork of Little Flint Run Quadrangle West Union

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  Aboveground steel pit.

If so, please describe anticipated pit waste.

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-GFP)
- Underground Injection ( UIC Permit Number \_\_\_\_\_ )
- Reuse (at API Number \_\_\_\_\_ )
- Off Site Disposal (Supply form WW-9 for disposal location) to permitted disposal facility TBD.
- 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. \_\_\_\_\_

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) \_\_\_\_\_

-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.

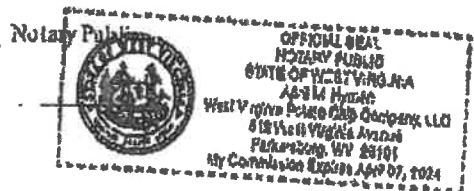
I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on April 1, 2016, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations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

Subscribed and sworn before me this 16th day of April, 20 20

[Signature]  
My commission expires April 7, 2024



Form WW-9

Operator's Well No. Welch/Boston 1

Proposed Revegetation Treatment: Acres Disturbed 0.5 Prevegetation pH 5.5

Lime 3 Tons/acre or to correct to pH 6.5

Fertilizer type 10-20-20 or equivalent

Fertilizer amount 0.25 lbs/acre

Mulch Hay 2 Tons/acre

Seed Mixtures

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
Orchard Grass	25	Ladino Clover	5
Red Top Clover	15	KY 31	40

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: Daniel A. Flack Digitally signed by Daniel A. Flack  
Date: 2020.04.24 11:30:35 -04'00'

Comments: \_\_\_\_\_

RECEIVED  
Office of Oil and Gas

APR 24 2020

WV Department of  
Environmental Protection

Title: Oil and Gas inspector

Date: 4/24/2020

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: 47-017-3846 WELL NO.: Welch/Bartor

FARM NAME: Bertha Piersol

RESPONSIBLE PARTY NAME: Welch Oil & Gas Company

COUNTY: Doddridge DISTRICT: Grant

QUADRANGLE: West Union

SURFACE OWNER: Ernest S. Bortram + Kelly F. Bortram

ROYALTY OWNER: Mary Welch

UTM GPS NORTHING: 4356656.1

UTM GPS EASTING: 519815 GPS ELEVATION: 1078

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 \_\_\_\_\_

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WV Department of  
Environmental Protection

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

Land Manager  
Title

4/7/2020  
Date