



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

Harold D. Ward, Cabinet Secretary
www.dep.wv.gov

Thursday, April 20, 2023
WELL WORK PLUGGING PERMIT
Vertical Plugging

SHALE GAS PRODUCTION, LLC
929 CHARLESTON ROAD

SPENCER, WV 25276

Re: Permit approval for 1
47-039-00352-00-00

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: 1
Farm Name: RICHARDSON, C. W.
U.S. WELL NUMBER: 47-039-00352-00-00
Vertical Plugging
Date Issued: 4/20/2023

Promoting a healthy environment.

04/21/2023

I

4703900352P

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.

04/21/2023

WW-4B
Rev. 2/01

1) Date March 21, 2023
2) Operator's
Well No. CW Richardson 1
3) API Well No. 47-035 - 00152

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 ___
- 5) Location: Elevation 845.1 Watershed Dutch Hollow
District Union County Kanawha Quadrangle Charleston West
- 6) Well Operator Shale Gas Production, LLC 7) Designated Agent J. Scott Freshwater
Address 929 Charleston Road Address 929 Charleston Road
Spencer, WV 25276 Spencer, WV 25276
- 8) Oil and Gas Inspector to be notified 9) Plugging Contractor
Name Terry Urban Name R & J Well Service Inc.
Address P.O. Box 1207 Address p.o. Box 37
Clendenin, WV 25045 Hueysville, KY 41640

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

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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

Terry Urban

Date

3-31-23

04/21/2023

Proposed Plugging Procedure

Well	CW Richardson # 1	Coordinates	38.374721
API #	4703900352		-81.737866
Completion Date	1937	UTM Easting	435547.9
Quadrangle 7.5'	Charleston West	UTM Northing	4247650.1
County	Kanawha	Drillers TD	4137 ft.
State	West Virginia		

Casing Record

14"	16 ft.	remaining in well
10.75"	671.5 ft.	remaining in well
8.625"	1750 ft.	pulled
7.00"	2002 ft.	remaining in well
2.375"	3223 ft. ✓	remaining in well
Drillers TD	4137 ft.	

} Will pull it free

7.00 inch Hook wall Packer set at 2025 ft.

- 1 Notify state 48 hours prior to commencement of work
- 2 Install ECDS as required
- 3 Reestablish site access as required
- 4 MIRU Rig and Equipment
- 5 Pull 2.375 tubing and packer
- 6 TIH with Cement string, verify TD @ 4137'
- 7 Set Cement Plug from TD to 3100' (Type 1 cement)
- 8 Tag Cement Top, Set Cement Plug from TOC to 2050'
- 9 Tag Cement Top, TOOH
- 10 MIRU Wireline and run CBL in 7.00 casing
- 11 Cut 7.00 casing at free-point
- 12 Pull 7.00 Casing
- 13 TIH with Cement String, Set Cement Plug from 2050' to 1360'
- 14 Tag Cement top, Set Cement plug from 1360' to 721'
- 15 Tag Cement Top, TOOH
- 15 MIRU Wireline and run CBL in 10.75" casing
- 16 Cut 10.75" casing at Free-point
- 17 Pull 10.75" casing
- 18 Set Cement Plug from 721' to Surface
- 19 Install Monument
- 20 Reclaim site, Remove ECDS

MUST USE
CLASS A CEMENT
FOR ALL PLUGS.
g/w/m

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Environmental Protection

Handwritten Signature
3-31-23

FORMATION	COLOR	TOP	BOTTOM	STEEL LINE MEASURE FEET	HARD OR SOFT	OIL GAS OR WATER	DEPTH FOUND	DISTANCE ABOVE OR BELOW S. L.	REMARKS
Black Limestone		1990	2040						
Slate & Shells		2040	2270						
Brown Shale		2370	2382						
Berea Sand		2382	2395						
Slate & Shells		2395	3005						
White Shale		3005	3595			Gas	3030		Show
Brown Shale		3595	4115			"	3170-82		Blew water out of gauge through 2" opening
White Slate		4115	4157			"			
Total Depth			4157			"	4040		12/10 Water in 2"
						"	4048		11/10 " " 2"
						"	4076		11/10 " " 2"
				PICK UP PRESSURE					
				Min.	Lbs.				
				1	5				
				2	5				
				3	15				
				4	20				
				5	24				
				6	28				
				7	30				
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4703900352P

FORM G-1

NOTICE OF PROPOSED LOCATION OF OIL AND GAS WELL
(REQUIRED BY SECTION 2, CHAPTER 86, ACTS 1920)
WEST VIRGINIA DEPARTMENT OF MINES
OIL AND GAS SECTION

To THE DEPARTMENT OF MINES,
Charleston, W. Va.

No mines in operation
COAL OPERATOR OR COAL OWNER
ADDRESS

Godfrey L. Cabot, Inc.
NAME OF WELL OPERATOR
600 Union Bldg., Charleston, W. Va.
COMPLETE ADDRESS

COAL OPERATOR OR COAL OWNER
ADDRESS

March 12, 1937
PROPOSED LOCATION

C. W. Richardson
OWNER OF MINERAL RIGHTS
Charleston, W. Va.
ADDRESS

Union District
Kanawha County
Well No. 1 38° 25' 31° 40' 53 ac
C. W. Richardson Farm

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated March 1, 1937, made by C.W. Richardson & Nannie Richardson, his wife to Godfrey L. Cabot, Inc. (being recorded) and recorded on the day of , in the office of the County Clerk for said County in

Book , page .

The enclosed plat was prepared by a competent engineer and shows the proposed location of a well to be drilled for oil and gas by the undersigned well operator on the farm and in the Magisterial District and County above named, determined by survey and courses and distances from two permanent points, or land marks.

The undersigned well operator is informed and believes there are no coal operators operating beds of coal beneath said farm or tract of land on which said well is located, or within 500 feet of the boundaries of the same, who have mapped their workings and filed their maps as required by law, excepting the coal operators or coal owners (if any) above named as addressees.

The above named coal operators or coal owners (if any) are notified that any objections they may desire to make to such proposed location, or which they are required to make by Section 3 of said Act, if the drilling of a well at said proposed location will cause a dangerous condition in or about their respective coal mines, must be received by, or filed with the Department of Mines within ten days from the receipt of a copy of this notice and accompanying plat by said Department. Said coal operators are further notified that forms for use in making such objections will be furnished to them by the Department of Mines promptly on request and that all such objections must set forth as definitely as is reasonably possible the ground or grounds on which such objections are based and indicate the direction and distance the proposed location should be moved to overcome same.

(The next paragraph is to be completed only in Department's copy.)

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above

named coal operators or coal owners at their above shown respective address day before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

Very truly yours,

Godfrey L. Cabot, Inc.

WELL OPERATOR

600 Union Building

STREET

Charleston

CITY OR TOWN

West Virginia

STATE

Address of Well Operator }



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Office of Oil & Gas

APR 7 2023

WV Department of
Environmental Protection

*Section 3 If no such objections be filed, or be found by the department of mines, within said period of ten days from the receipt of said notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a drilling permit reciting the filing of such plat, that no objections have been made by the coal operators to the location, or found thereto by the department, and that the same is approved and the well operator authorized to proceed to drill at said location.

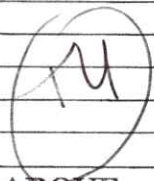
WW-4A
Revised 6-07

1) Date: March 30, 2023
2) Operator's Well Number CW Richardson 1
3) API Well No.: 47 - _____

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>Hatfield & Henson Enterprises</u>	Name _____	
Address <u>P.O. Box 421</u>	Address _____	
<u>Hurricane WV, 25526</u>		
(b) Name <u>James R. Carney Jr.</u>	(b) Coal Owner(s) with Declaration	
Address <u>P.O. Box 401</u>	Name _____	
<u>Charleston, WV 25322</u>	Address _____	
(c) Name _____	Name _____	
Address _____	Address _____	
6) Inspector <u>Terry Urban</u>	(c) Coal Lessee with Declaration	
Address <u>P.O. Box 1207</u>	Name _____	
<u>Clendenin, WV 25045</u>	Address _____	
Telephone <u>304-549-5915</u>		

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APR 7 2023
WV Department of Environmental Protection

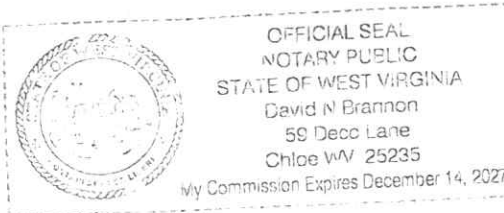


TO THE PERSONS NAMED ABOVE: You should have received this Form and the following documents:

- (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 Shale Gas Production, LLC
 By: [Signature]
 Its: Managing Member
 Address 929 Charleston Road
Spencer, WV 25276
 Telephone 304-927-5033

Subscribed and sworn before me this 29th day of March, 2023
[Signature] Notary Public

My Commission Expires December 14, 2027

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 privacy@dep.wv.gov.

04/21/2023

2028 2947 1000 1202 2722 0001

4/5/2023

4703900352XP

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Certified Mail Fee \$ _____

Extra Services & Fees (check box, add fee as appropriate)

Return Receipt (hardcopy) \$ _____

Return Receipt (electronic) \$ _____

Certified Mail Restricted Delivery \$ _____

Adult Signature Required \$ _____

Adult Signature Restricted Delivery \$ _____

Postage \$ _____

Total Postage and Fees \$ _____

Sent To **Hatfield + Henson Enterprises**

Street and Apt. No., or PO Box No. **P.O. Box 421**

City, State, ZIP+4® **Humane, WV 25526**

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

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 Office of Oil & Gas
 APR 7 2023
 WV Department of
 Environmental Protection

Spencer, WV 25276

7021 2720 0001 2947 8202

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OFFICIAL USE

Certified Mail Fee \$ _____

Extra Services & Fees (check box, add fee as appropriate)

Return Receipt (hardcopy) \$ _____

Return Receipt (electronic) \$ _____

Certified Mail Restricted Delivery \$ _____

Adult Signature Required \$ _____

Adult Signature Restricted Delivery \$ _____

Postage \$ _____

Total Postage and Fees \$ _____

Sent To **Hatfield + Henson Enterprises**

Street and Apt. No., or PO Box No. **P.O. Box 421**

City, State, ZIP+4® **Humane, WV 25526**

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

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Hatfield + Henson Enterprises
 P.O. Box 421
 Humane, WV 25526

7021 2720 0001 2947 8202

FIRST CLASS



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 02 74
 0001312240 APR 05 2023

\$ 008.58

04/21/2023

5129 4462 1000 0222 1202

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

Postmark
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Sent To James R. Carney Jr
 Street and Apt. No. or PO Box No. P.O. Box 401
 City, State, ZIP+4® Charleston, WV 25322

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

4703900352P
4/5/2023

141 Marlinton Road
Spencer, WV 25376

7021 2720 0001 2947 8219

U.S. Postal Service™
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For delivery information, visit our website at www.usps.com™.

Certified Mail Fee	\$
Extra Services & Fees (check box, add fee as appropriate)	
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<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$
Postage	\$
Total Postage and Fees	\$

Postmark
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Sent To James R. Carney Jr
 Street and Apt. No. or PO Box No. P.O. Box 401
 City, State, ZIP+4® Charleston, WV 25322

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions



7021 2720 0001 2947 8219

James R. Carney Jr.
P.O. Box 401
Charleston, WV 25322

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APR 7 2023

WV Department of
Environmental Protection



US POSTAGE
PITNEY BOWES
ZIP 25276
02 7H \$ 008.58
0001312240 APR 05 2023

04/21/2023

SURFACE OWNER WAIVER

Operator's Well
Number

CW Richardson 1

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...".

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APR 7 2023
WV Department of
Environmental Protection
Environmental Protection

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 _____

Signature _____ Date **04/21/2023**

WW-4B

4703900352P

API No. 47-039-00352

Farm Name _____

Well No. CW Richardson #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 _____

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WV Department of
Environmental Protection

04/21/2023

WW-9
(5/16)

4703900352P

API Number 47 - 039 00352
Operator's Well No. _____

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

Operator Name Shale Gas Production, LLC OP Code 494508232

Watershed (HUC 10) Dutch Hollow Branch Quadrangle Charleston West

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 *W*

ANY WELL EFFLUENT MUST BE CONTAINED IN TANKS AND DISPOSED PROPERLY OFF-SITE.

If so, please describe anticipated pit waste: _____

Will a synthetic liner be used in the pit? Yes No If so, what ml.? 9NM

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. _____

Additives to be used in drilling medium? N/A

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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) _____

WV Department of Environmental Protection

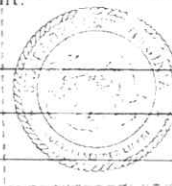
-Landfill or offsite name/permit number? _____

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 [Signature]
Company Official (Typed Name) J. Scott Freshwater
Company Official Title Managing Member



OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
David N. Brannon
59 Deco Lane
Chloe WV 25235
My Commission Expires December 14, 2027

Subscribed and sworn before me this 29th day of March, 2023

[Signature] Notary Public

My commission expires December 14, 2027

04/21/2023

Proposed Revegetation Treatment: Acres Disturbed .5 Prevegetation pH 5.5

Line 3 Tons/acre or to correct to pH 6.5

Fertilizer type 10-20-20 or similar

Fertilizer amount 500 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 _____ dimensions (L, W), and area in acres, of the land application area.

Photocopied section of involved 7.5' topographic sheet.

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APR 7 2023

Plan Approved by: [Signature]

WV Department of Environmental Protection

Comments: _____

Title: Land Manager [Signature]

Date: 3-31-23

Field Reviewed? () Yes () No



4703900352P

WW-7
8-30-06



West Virginia Department of Environmental Protection
Office of Oil and Gas

WELL LOCATION FORM: GPS

API: 47-039-00352 WELL NO.: CW Richardson #1

FARM NAME: CW Richardson

RESPONSIBLE PARTY NAME: Shale Gas Production, LLC

COUNTY: Kanawha DISTRICT: Union

QUADRANGLE: Charleston West

SURFACE OWNER: Hatfield & Henson Enterprises Inc.

ROYALTY OWNER: Hatfield & Henson Enterprises, Inc.

UTM GPS NORTHING: 4247651

UTM GPS EASTING: 435548 GPS ELEVATION: 845.1

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

Land Manager
Title

03/22/23
Date

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Office of Oil & Gas
APR 7 2023
WV Department of
Environmental Protection

04/21/2023



Kennedy, James P <james.p.kennedy@wv.gov>

Plugging permit approved 4703900352

1 message

Kennedy, James P <james.p.kennedy@wv.gov>

Thu, Apr 20, 2023 at 10:09 AM


To: Terry W Urban <terry.w.urban@wv.gov>, csi@wvadventures.net, sallierobinson@kanawha.us


To whom it may concern, a plugging permit for 4703900352 has been issued.

James Kennedy

WVDEP OOG

2 attachments

 **ir-8 4703900352.pdf**
120K

 **4703900352.pdf**
3272K

04/21/2023