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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

Harold D. Ward, Cabinet Secretary  
[www.dep.wv.gov](http://www.dep.wv.gov)

Tuesday, August 16, 2022  
WELL WORK PLUGGING PERMIT  
Vertical Plugging

UNKNOWN - DEP PAID PLUGGING CONTRACT  
601 57TH STREET

CHARLESTON, WV 25304

Re: Permit approval for 1  
47-021-01203-00-00

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: DAVIS, C. C., ETAL  
U.S. WELL NUMBER: 47-021-01203-00-00  
Vertical Plugging  
Date Issued: 8/16/2022

Promoting a healthy environment.

08/19/2022

# PERMIT CONDITIONS 4702101203P

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

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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.

4702101203P

1) Date July 11, 2022  
2) Operator's Well No. Davis 1  
3) API Well No. 47-021 - 01203

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 1140' Watershed Laurel Run of Right Fork Steer Creek  
District Center County Gilmer Quadrangle Rosedale
- 6) Well Operator DEP Paid Plugging Contract 7) Designated Agent Jason Harmon  
Address 601 57th st. Address 601 57th st.  
Charleston, WV. 25304 Charleston, WV. 25304
- 8) Oil and Gas Inspector to be notified Name Bryan Harris  
Address P.O.Box 157  
Volga, WV. 26238
- 9) Plugging Contractor Name \_\_\_\_\_  
Address \_\_\_\_\_

10) Work Order: The work order for the manner of plugging this well is as follows:  
**See Plugging Prognosis below**

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

Work order approved by inspector Bryan Harris Date 7/11/22

08/19/2022

Rosedale PLUGGING PROJECT 2101203  
Plugging Prognosis

47 02 10 12 03P

Notify Inspector Specialist, Bryan Harris @ (304)553-6087. Email address is [bryan.o.harris@wv.gov](mailto:bryan.o.harris@wv.gov). Notification is required 24 hrs prior to commencing plugging operations

1. Install 24 inch cellar around existing well head.
2. Move in and rig up to existing 4-1/2 inch casing. Unhook 2 inch production line and cap off below surface.
3. TIH check TD @ or below 2222 Ft. If estimated depth cannot be reached begin cleaning out uncased hole to approved depth/TD by Inspector Specialist.
4. Once TD has been reached and approved by Inspector, freepoint 4 1/2" casing and pull.
5. TIH to estimated TD @ 2222 Ft or inspector approved depth with tubing, spot 6% gel and pump bottom hole cement plug from 2222' to 2100' or 50' above casing cut. TOH. WOC 8 hrs.
6. TIH with tubing tag plug. Freepoint 7" casing and pull. Perf remaining casing. Set cement plug from 2100 to 1750' or 50' above casing cut. WOC. Tag plug.
7. TIH with tubing and spot gel from 1750' to 1200'. Pump 150' cement plug from 1200' to 1050' to cover elevation. WOC, tag top of plug and add cement if needed.
8. TIH with tubing and spot gel from 1050' to 800'. Pump 100' plug to 700'. Gel hole to 200'. Attempt to pull 10" casing, perf if unable to pull. Set cement plug 200' to surface.
9. Set monument and reclaim site.
10. NOTE.. Any casing found in the well with out cement in the annulus that cannot be retrieved must be perforated and cement at all saltwater, freshwater, coal, oil, gas, casing shoe and elevation points.

08/19/2022



WW-4A  
Revised 6-07

1) Date: 7/11/22  
2) Operator's Well Number  
Davis 1  
3) API Well No.: 47 - 021 - 01203

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

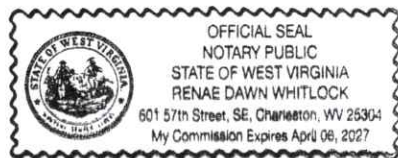
<b>4) Surface Owner(s) to be served:</b>	<b>5) (a) Coal Operator</b>
(a) Name <u>Mark Hullman</u>	Name <u>NONE DECLARED</u>
Address <u>1034 Rome Beauty Drive</u>	Address _____
<u>Amherst, OH. 44001</u>	
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>NONE DECLARED</u>
	Address _____
(c) Name _____	Name _____
Address _____	Address _____
<b>6) Inspector</b> <u>Bryan Harris</u>	(c) Coal Lessee with Declaration
Address <u>P.O.Box 157</u>	Name <u>NONE DECLARED</u>
<u>Volga, WV. 26238</u>	Address _____
Telephone _____	

**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 <sup>UNKNOWN</sup> DEP Paid Plugging Contract

By: Jason Harmon

Its: Agent

Address 601 57th st.

Charleston, WV. 25304

Telephone 304-926-0450

Subscribed and sworn before me this 27th day of July 2022  
Renae Dawn Whitlock Notary Public  
My Commission Expires 4/6/2027

**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 [depprivacyoffier@wv.gov](mailto:depprivacyoffier@wv.gov).

**SURFACE OWNER WAIVER**

Operator's Well  
Number

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..."

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,

Maria S. Hullman  
Signature

Date 7/12/2022

Name DEP Paid Plugging Contract

By Bryan Harris  
Its

Date

Signature Bryan Harris Date 1/20/22





STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION 8

Quadrangle Gassaway

WELL RECORD

Permit No. GIL-1203

Oil or Gas Well Gas  
(KIND)

Company Petroleum Syndicate of W. Va.  
Address Box 89 Clarksburg, W. Va.  
Farm C C Davis & others Acres 58  
Location (waters) Stear Creek  
Well No. #1 Elev. 1140  
District Center County Gilmer  
The surface of tract is owned in fee by Vessie Minnie  
Address Rosedale, W. Va.  
Mineral rights are owned by C. C. Davis & others  
Address Flatwoods, W. Va.  
Drilling commenced 9/22/60  
Drilling completed 12/19/60  
Date Shot From To  
With  
Open Flow /10ths Water in Inch  
/10ths Merc. in Inch  
Volume 3,250M Cu. Ft.  
Rock Pressure 500# lbs. 24 hrs.  
Oil None bbls., 1st 24 hrs.  
WELL ACIDIZED

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
10			Kind of Packer
10			Fleet Shoe
10	190'	190'	Size of
8 1/2	788'		Depth set 2220
7"		2047'	
5 1/2"		2220	
3			Perf. top 2108
2			Perf. bottom 2190
Liners Used			Perf. top
			Perf. bottom

WELL FRACTURED 7,000# 10 x 210 sand 800 Barrels water & 3,000 Gal. Acid.

RESULT AFTER TREATMENT 500# 24 Hours

ROCK PRESSURE AFTER TREATMENT

Fresh Water Feet Salt Water Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Clay & gravel			0	26			
Sand			26	105			
Shale			105	117			
Sand			117	140			
Red. Shale			140	175			
Shale			175	214			
Sand			214	222			
Shale & lime shells			222	248			
Shale, sandy			248	258			
Lime			258	265			
Shale			265	331			
Red. shale & lime			331	377			
Shale, sandy			377	412			
Red. Shale			412	450			
Red. & gray shale			450	487			
Lime & sand, broken			487	540			
Red shale			540	615			
Shale			615	639			
Red. shale			639	656			
Shale, gray			656	672			
Red shale & sand			672	708			
Shale, gray			708	750			
Shale, green; lime			750	788			
Sand			788	795			
Shale, blue			795	806			
Sand			806	950			
Lime, sandy			950	1062			
Sand & lime			1062	1090			
Lime, sandy			1090	1106			
Sand			1106	1140			



Formation	Color	Hard or Soft	Top ♂	Bottom	Oil, Gas or Water	Depth Found	Remarks
Shale, sandy			1140	1172			
Lime, sandy			1172	1250			
Lime, dark			1250	1255			
Shale, black			1255	1290			
Lime, sandy			1290	1332			
Shale, sandy			1332	1400			
Shale, black			1400	1448			
Shale, sandy, gray			1448	1550			
Shale, black			1550	1595			
Shale, sandy			1595	1616			
Sand			1616	1693			
Shale, dark			1693	1775			
Lime			1775	1785			
Sand			1785	1825	Dead Oil	1800'	
Lime, sandy			1825	1874			
Lime, dark			1874	1888			
Lime, sandy			1888	1914	Gas	1900'	
Lime, black			1914	1926			
Shale, sandy, lime			1926	1948			
Lime, gray			1948	1962			
Shale, dark			1962	1984			
Lime, black			1984	2013			
Shale & sand			2013	2025	Gas	2015' (3, 250M @2109)	
Shale			2025	2047			
Lime			2047	2131	Gas	36M	
Sand, gas			2131	2205			
Shale			2205	2222			
Total Depth			2222				

Date 1-61, 19

APPROVED \_\_\_\_\_ Owner  
 By J.H. Campbell (Title)



WW-4B

API No. 4702101203  
Farm Name \_\_\_\_\_  
Well No. Davis # 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: \_\_\_\_\_

NA \_\_\_\_\_

By: \_\_\_\_\_

Its \_\_\_\_\_

WW-9  
(5/16)

API Number 47 - 021 - 01203  
Operator's Well No. \_\_\_\_\_

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

Operator Name DEP Paid Plugging Contract OP Code \_\_\_\_\_

Watershed (HUC 10) Laurel Run Quadrange Rosedale

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  *ANY WELL EFFLUENT WILL BE CONTAINED IN TANKS BEFORE DISPOSING OFF SITE. gwm*

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-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: Na

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

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

Additives to be used in drilling medium? Na

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

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

-Landfill or offsite name/permit number? Na

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 Jason Harmon

Company Official (Typed Name) Jason Harmon

Company Official Title Deputy Chief

Subscribed and sworn before me this 27<sup>th</sup> day of July, 20 22

Rena Dawn Whitlock Notary Public

My commission expires 4/6/2027



Proposed Revegetation Treatment: Acres Disturbed less than 1 Prevegetation pH unknown

Lime 2-3 Tons/acre or to correct to pH \_\_\_\_\_

Fertilizer type 20-20-20 equivalent

Fertilizer amount 500lbs lbs/acre

Mulch 2 tons Tons/acre

Seed Mixtures

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
		Fescue	40
		Landino Clover	5

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: Bryan Harris

Comments: All trees and brush cut will be stacked to the lower side.

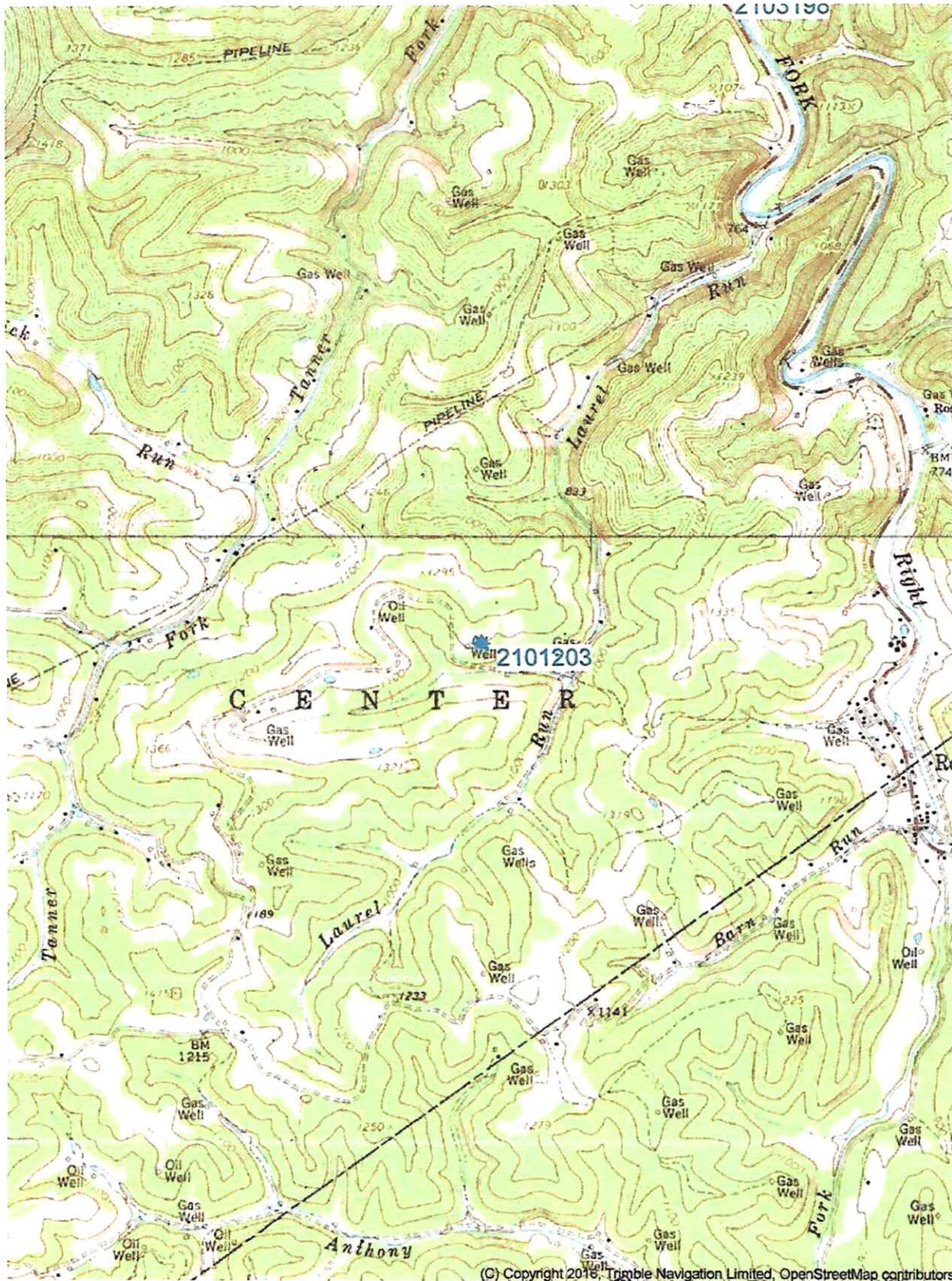
All refuge removed and soil will be leveled, seeded and mulched or stoned for parking.

Road in front of residence will be stoned upon completion of project.

Title: Bryan Harris Inspector Specialist Date: 7/11/22

Field Reviewed? (  ) Yes (  ) No





(C) Copyright 2016, Trimble Navigation Limited, OpenStreetMap contributors



WW-7  
8-30-06



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

API: 4702101203 WELL NO.: 1  
 FARM NAME: Davis  
 RESPONSIBLE PARTY NAME: DEP Paid Plugging Contract  
 COUNTY: Gilmer DISTRICT: Center  
 QUADRANGLE: Rosedale  
 SURFACE OWNER: Mark Hullman  
 ROYALTY OWNER: NA  
 UTM GPS NORTHING: 42 88 592  
 UTM GPS EASTING: 15 03 178 GPS ELEVATION: 1140'

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.

Bryan Harris Inspector Specialist 7/11/22  
 Signature Title Date



4702101203Y



08/19/2022







API: 47-021-01203  
Davis #1

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



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

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## plugging permits

2 messages

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**Kennedy, James P** <james.p.kennedy@wv.gov>  
To: Henry J Harmon <henry.j.harmon@wv.gov>

Tue, Aug 16, 2022 at 8:45 AM

Issuing 4702101203 this morning and Jeff is working on the one you need today. I'll issue it as soon as I get it. Would you like the hard copies on your desk?

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**Harmon, Jason** <henry.j.harmon@wv.gov>  
To: "Kennedy, James P" <james.p.kennedy@wv.gov>

Tue, Aug 16, 2022 at 8:46 AM

Yes please, thanks!

[Quoted text hidden]

--

H. Jason Harmon, PhD  
Deputy Chief

West Virginia Department of Environmental Protection  
Office of Oil and Gas  
[601 57th St, SE](#)  
[Charleston, WV 25304](#)

(304) 926-0499 ext 41102

08/19/2022