

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

Friday, March 8, 2024 WELL WORK PLUGGING PERMIT Vertical Plugging

MCHENRY, HARLOW & BETTY ATTN: JEAN HANSHAW 11906 TURNPIKE RD. SUMMERSVILLE, WV 26651

Re:

Permit approval for McHENRY 1

47-067-00185-00-00

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:

Farm Name: BRANDON, GEORGE

U.S. WELL NUMBER: 47-067-00185-00-00

Vertical

Plugging

Date Issued: 3/8/2024

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.
- 4. 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.

1) Date 03/06	,	2024	
2)Operator's			_
Well No.1			
3) API Well No.	47-067	- 00185	

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 (If "Gas, Production or Und		
5)	Location: Elevation 1194.5 District JEFFERSON	Watershed UNAMED BRANCH County NICHOLAS Quadran	The second secon
6)	Well Operator Address MCHENRY, HARLOW & BETTY 11906 TURNPIKE ROAD SUMMERSVILLE WV 26651	-	HANSHAW TURNPIKE ROAD RSVILLE, WV 26651
8)	Oil and Gas Inspector to be notified Name JEREMY JAMES Address	9) Plugging Contractor Name R&R WELL SE Address 42 LYNCH I WALTON, WV	RIDGE
10) Work Order: The work order for the manner of plugging this well is as follows: FREE POINT AND RECOVER CASING'S AMD TUBULAR'S. 6% GEL BETWEEN PLUG'S SET CEMENT PLUG 1691 TO 1475 SET 100' CEMENT PLUG ACROSS 6 5/8 CASING CUT SET 150' CEMENT PLUG 1300 TO 1150 (ELEVATION AND SALT WATER SHOW)			
	SET 100' CEMENT PLUG 610 TO 510 SET CEMENT PLUG 150' TO SURFA	CE	RECEIVED Office of Oil and Gas MAR 7 2024
TAG PLUG'S AS NECESSARY, SET MONUMENT WITH API #			
Notification must be given to the district oil and gas inspector 24 hours before permitted work can commence. Work order approved by inspector Date $3-7-24$			



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DEPARTMENT OF MINES

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Quadrangle Clay-S.E. WELL RECORD Permit No_NIC-185 Eler 1194.5 Jefferson. Nicholas 579 10" 57910 reface of tract is owned in fee by Gan. S. Branham 1 0-1200'+0**"** Sylvester V.Ye. <u> 1464 • 7</u> 8 3/1Q_ 1689:3" . With Acid - 3.000 Gal Dich Plow Volume 980 0 35 1. Fresh water. PEET INCHES 7751 PET. Salt water. OEL Gas or Water · 20 Q Yellow Clay P.V. 20 70 351 Sand Lime 1740. :1720/ 1001 1691 buck up to joje bjačkeg. Sand **T**390 T230 Ho (Coal **T230 T232** Band 6/10 b 1" T232 **T267** Slate क्षेत्रधः. T273 T267 · SEP 1956 Fime o, Shald & Lime 7.OUT JIBGO T273: Sandaruo. 1490 **J**1360 Blate Pic 1490 **520** Lime 17m 1,520 1'592 RECEIVED Office of Oil and Gas J 620. Sando & Shi lo T 592 . S.V. Lind J'620; **T920** MAR 7 2024 J:920 Salt Sand 1008 WV Department of Red Rock 1008 1015 -3:H• Environmental Protection Lime A 1035 1015 JSHO Red Rook 1035 1068 Hardock. 1068

- Z. Remerks Belles Red Rock 107.7 1197. Hard Shale 1197. 1211 Maxon 1211 1280 1240 Black Littl 1280 1287 1270 Lime RECEIVED Sinte Scho 1287 1289 Office of Oil and Gas Sand. 1289 1329 1521 Ŝlate & Shale MAR 7.8024 1329 1381 Little Lime 1380 1107 WV Department of Environmental Protection Lime & Shel 1407 1467, H Alkeligie BIK Line 1667 1467 CENE; Slate Shale 1487 1488 2E1, 1000 Big Lime 1486 1691. 1527 (165k) 1673 ŝîato -1691 1694 Î. 169W 1701 ÎńJûn 1701). 1716 Ho.iGas Hole plugged back up to Siate 1716 1721 T00: 1691 Sand " 16.30 ·: 30: E .F. :357 Yollest Clay · 0` 50 103/ Furmalina . Cil. Gas 1 Salt water. - 100 i COAL WAS INCOUNTERED. Heist Bierrate Volume - 9BO , C ישנ ro Po uz. Carsing Cr. Upen Flow Lains Water MUIT VETT tineta tinea. 68913" ,168913". ourie l ntip tand a ga by Cao... Il nam. Sylve, cered by 1101117 lifetis; North Mexic 572.0%; 1200.0%; 07 "gribustru 37910" mellar Jolfornell orva Trop E 1010 30.0 Location (water Form Gac - S. Br. अनुवृद्धः रूपा प्रकृति । छि० ४ त्या महा छ 3**7.** - 11. Chapan Pal L. Bailte 18this No. 311 0-3 05 Cil or Gas ci Gec METT מוני עווט מעם בואוטופוו

Paul Shaffer

(Title)

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The State of the second

1)	Date:	03/06/2024	
2)	Operator's	Well Number	
1			

3) API Well No.: 47 -

067 - 00185

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE 0F APPLICATION TO PLUG AND ABANDON A WELL

(a) Name Address	ner(s) to be served:	-/\	a) Coal Operator	
Address	JEAN A HANSHAW		Name	
	11906 TURNPIKE ROA	ND.	Address	
	SUMMERSVILLE WV 2	26651		
(b) Name			(b) Coal Owner(s) with Dec	laration
Address			Name	
	(Address	
(c) Name			Name	
Address	-		Address	
Hadress				
a) T	7 			
6) Inspector			(c) Coal Lessee with Declar	ation
Address			Name	
			Address	
Telephone			_	
TO THE PE	RSONS NAMEI	D ABOVE: Yo	u should have received this Form ar	nd the following documents:
well (2) The part of the reason However, y	its and the plugging work plat (surveyor's map) sho you received these documer ou are not required to take an	order; and wing the well location that you have right action at all.	on on Form WW-6.	s involved in the work and describes the narized in the instructions on the reverses side.
Protection, the Applica	ing documents for a permit t with respect to the well at th	o plug and abandon a v ne location described or n mailed by registered	well with the Chief of the Office of Oil and Ga in the attached Application and depicted on the or certified mail or delivered by hand to the	le or has filed this Notice and Application and s, West Virginia Department of Environmental attached Form WW-6. Copies of this Notice, person(s) named above (or by publication in RECEIVED
		Well Operator	MCHENRY, HARLOW & BETTY	Office of Oil and Gas
		By:	JEAN HANSHAW	Omos s. see
WEST IN	OFFICIAL SEAL	Its:	19/ 11	MAR 7 2024
ST. ST	NOTARY PUBLIC ATE OF WEST VIRGINIA	Address	11906 TURNPIKE ROAD	man (Lott
HE WILL THE STATE OF THE STATE	Jeffrey B. Lily	Address	SUMMERSVILLE, WV 26651	WV Department of
Han Manager >	507 Main Street ummersville, WV 26651	Telephone	304-872-2107	Environmental Protection
	mission Expires December 15, 2025	relephone	304-072-2107	LITATIONING
St. My Com	mission Expires becentiber to asset			

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 deprivacyoffier@wv.gov.

SURFACE OWNER WAIVER

Operator's Well Number

47-067-00185

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

<u>Time Limits and methods for filing comments.</u> 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.

<u>Comments must be in writing.</u> 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.

Date May 124 Name

By

Its

WV Department of Date

Signature Environmental Protection

Date

XX	X	1	D
W	vv	-4	n

API No.	47-067-00185
Farm Name	
Well No.	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 then 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

Will V Die
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: Mar 1 2024 Jean le Hymohau
By:

RECEIVED
Office of Oil and Gas

MAR 7 2024

WV Department of Environmental Protection

API Number 47 - 067	_00185
Operator's Well No.	

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name MCHENRY, HARLOW & BETTY OP Code
Watershed (HUC 10) UNAMED BRANCH OF PETERS CREEK Quadrangle LOCKWOOD 7.5'
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:
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 systembe 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. Spirit Energy Services -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 OFFICIAL SEAL NOTARY PUBLIC STATE OF WEST VIRGINIA Jeffrey B. Lily SOT Main Street Summersville, WY 26651 My Commission Expires December 15, 2025
21/
Subscribed and sworn before me this

Proposed Revegetation Treatment: Acres Disturbed 1	Preveg etation pH 6.5	5
Lime 2 Tons/acre or to correct to pH	Η	
Fertilizer type 10-10-10		
Fertilizer amount 500	lbs/acre	
Mulch_HAYTons	:/acre	
Sec	ed Mixtures	
Temporary	Permanent	
Seed Type Ibs/acre CONTRACTORS MIX 30	Seed Type COMTRACTORS MIX	lbs/acre 30
Photocopied section of involved 7.5' topographic sheet. Plan Approved by: Comments:		
Comments.		
	0	RECEIVED
	O	
		ffice of Oil and Gas

WW-9- GPP Rev. 5/16

Page	of
API Number 47 - 067	_ 00185
Operator's Well No.	/

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

Operator Name: MCHENRY, HARLOW & BETTY	
Vatershed (HUC 10): UNAMED BRANCH OF PETERS CREECK	Quad: LOCKWOOD 7.5'
arm Name:	· · · · · · · · · · · · · · · · · · ·
. List the procedures used for the treatment and discharge of fluids. Inch groundwater.	ude a list of all operations that could contaminate th
N/A	· · · · · · · · · · · · · · · · · · ·
. Describe procedures and equipment used to protect groundwater quality	y from the list of potential contaminant sources above
N/A	
. List the closest water body, distance to closest water body, and distance discharge area.	ance from closest Well Head Protection Area to th
TATE RUN	
. Summarize all activities at your facility that are already regulated for gr	roundwater protection.
N/A	RECEIVED
	Office of Oil and Gas
	MAR 7 2024
	WV Department of
	Environmental Protection

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

W	W	-9-	GPP
Re	v.	5/	16

Page	of
API Number 47 - 067	- 00185
Operator's Well No	

N/A						
IN/A						
6. Provide a statement that no waste material will be used for deicing or fill material on the property.						
NO MATERIALS WILL BE USED						
 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						
3. Provide provisions and frequency for inspections of all GPP elements and equipment.						
N/A						

Signature.

Date: 41 1 2024

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Office of Oil and Gas

MAR 7 2024

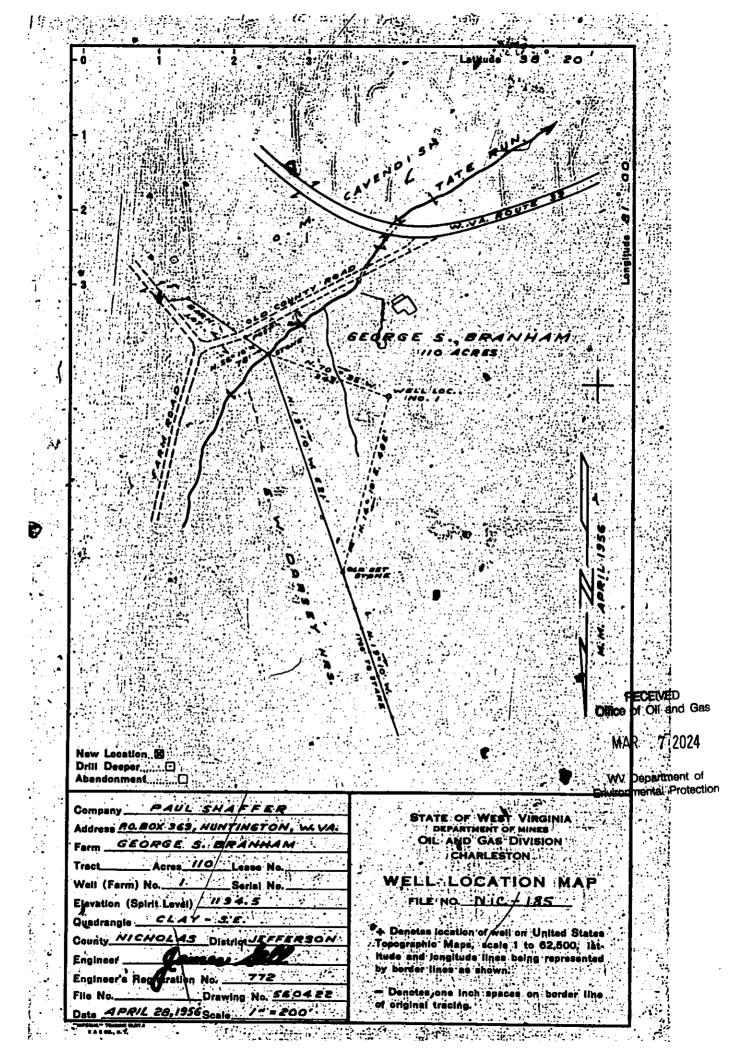
WV Department of Environmental Protection

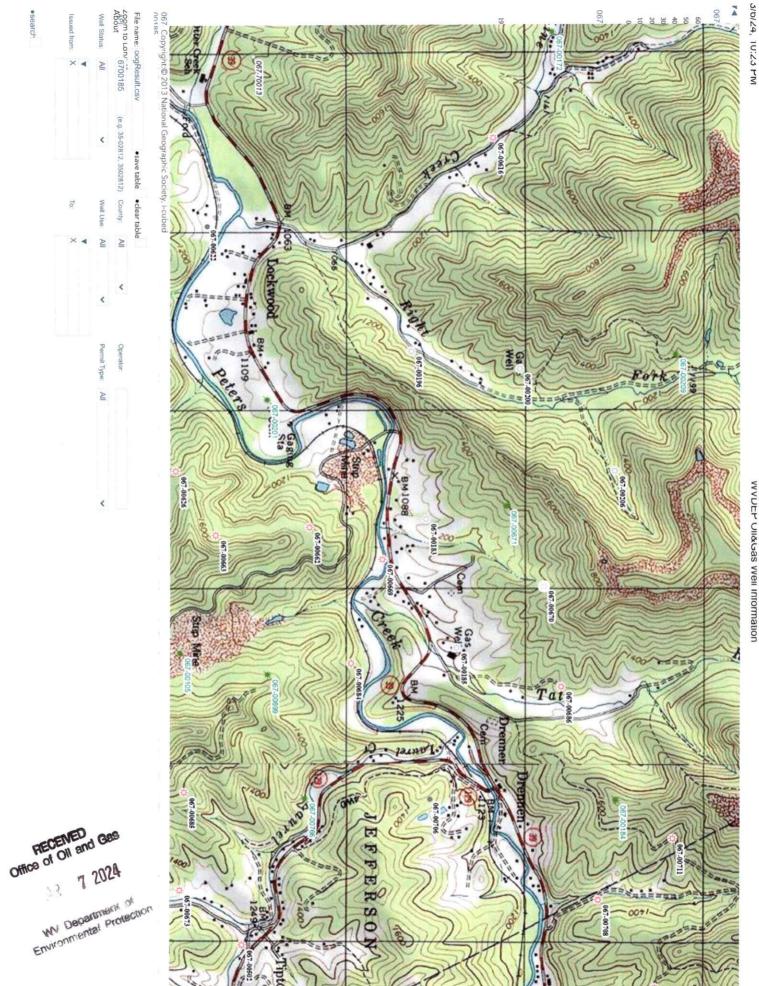


West Virginia Department of Environmental Protection Office of Oil and Gas

WELL LOCATION FORM: GPS

WELL BOUNTED	1 0 1 1 1 1 0 1 0					
_{API:} 47-067-00185	WELL NO.: 1					
FARM NAME: GEORGE S. BRANHAM						
RESPONSIBLE PARTY NAME: JEAN HANSHAW						
COUNTY: NICOLAS	DISTRICT: JEFFER	SON				
QUADRANGLE: LOCKWOOD 7	.5'					
SURFACE OWNER: JEAN HANSH						
ROYALTY OWNER:						
UTM GPS NORTHING: 4235605.92 UTM GPS EASTING: 499348.74	GPS ELEVATION: 1	194.5				
The Responsible Party named above has chosen preparing a new well location plat for a plugging above well. The Office of Oil and Gas will not a the following requirements: 1. Datum: NAD 1983, Zone: 17 North, height above mean sea level (MSL) – 2. Accuracy to Datum – 3.05 meters 3. Data Collection Method:	g permit or assigned API numbers of the coordinates that do Coordinate Units: meters, Alt	ber on the o not meet				
Survey grade GPS: Post Processed Diff		RECEIVED Office of Oil and Gas				
Real-Time Differen	ntial					
Mapping Grade GPS: Post Processed I	Differential	7 2024				
Real-Time Diffe		WV Department of nvironmenta, 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 Own	yet Mas	724				
Signature	Title	Date				





Examples: 38 15 30, 1, -81 25 15.2 (lat, lon as degrees minutes seconds) 38.123456, -81.123456 (lat, lon as decimal degrees)

WVDEP Office of Oil&Gas Permit/Well Locations

West Virginia Department of Environmental Protection (WVDEP) makes Oil and gas permit information and production data available to the general public through this Internet service free of charge.

These oil and gas related data are originated from the information reported to the Office of Oil and Gas at WVDEP by West Virginia oil and gas operators. WVDEP does not guarantee accuracy, precision, or completeness.

Neither the West Vriginia Division of Environmental Protection not its staff members are liable or responsible for any damage or loss resulting from the use of these data or from inaccuracies contained in the data.

We encourage you to report any problems, inconsistencies, or errors noted in using these data to the Office of Oil and Gas so that we can correct them and provide better service.

Office of Oil and Gas 601 57th Street Charleston, WV 25304 Phone: 304-925-0450 Fax: 304-926-0452

maintained by the TAGIS unit, WVDEP

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7 2024

WV Department of **Environmental** Protection

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Office of Off and Gas

7 2024

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Pluggi	ging Permit			
	WW-4B WW-4B signed by inspector WW-4A			
	SURFACE OWNER WAIVER or PROOF THAT APPLICATION WAS SENT	ВҮ	RE	EGISTERED OR CERITFIED
	COAL OWNER/COAL OPERATOR/COAL LESSEE WAIVERS or PROOF THE BY REGISTERED OR CERTIFIED MAIL	IAT	ГΑ	APPLICATION WAS SENT
	WW-9 PAGE 1 (NOTARIZED)			
	WW-9 PAGE 2 with attached drawing of road, location, pit and propo	se	ed a	area for land applicatior
ᆜ	WW-9 GPP PAGE 1 and 2 if well effluent will be land applied			
\coprod	RECENT MYLAR PLAT OR WW-7			
$\perp \!\!\! \perp$	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 Office (eCI t	HC EIV	/ED and Gas
	MA	R	7	7 2024

WV Department of Environmental Protection