



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

Monday, September 28, 2026
WELL WORK PLUGGING PERMIT
Vertical Plugging

PETRO HOLDINGS INC.
P.O. BOX 987

SPENCER, WV 252760000

Re: Permit approval for 5
47-013-02771-00-00

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.

H. Jason Harmon
Chief

Operator's Well Number:
Farm Name: BRAKE, T. J.
U.S. WELL NUMBER: 47-013-02771-00-00
Vertical Plugging
Date Issued: 9/28/2026

Promoting a healthy environment.

10/02/2026

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. 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.
2. Well work activities shall not constitute a hazard to the safety of persons.
3. 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.

10/02/2026

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

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

- 4) Well Type: Oil / Gas X / Liquid injection / Waste disposal /
(If "Gas, Production X or Underground storage) Deep / Shallow X
- 5) Location: Elevation GPS (+/-) 710' Watershed LITTLE KANAWHA RIVER
District SHERMAN County CALHOUN Quadrangle GRANTSVILLE
- 6) Well Operator PETRO HOLDINGS, INC. 7) Designated Agent KEITH CRIHFIELD
Address P.O. BOX 987 Address P.O. BOX 987
SPENCER, WV 25276 SPENCER, WV 25276
- 8) Oil and Gas Inspector to be notified 9) Plugging Contractor
Name APRIL LAWSON Name
Address 347 MAIN STREET Address
SPENCER, WV 25276
- 10) Work Order: The work order for the manner of plugging this well is as follows:
SEE ATTACHMENT

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Office of Oil and Gas
AUG 12 2026
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 April Lawson Date 8/5/26

10/02/2026

Plugging Prognosis

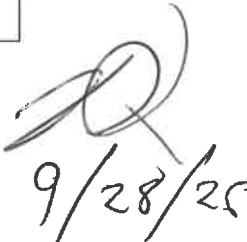
Date: 07/20/2026
API #: 047-013-02771
Operator’s Well Number: T.J. Brake #5
Elevation: (+/-) 710’

Casing Details				
OD (in.)	ID (in.)	Weight/Grade	Depth (ft.)	Hole Size (in.)
8-1/4”	N/A	N/A	818’	N/A
6-5/8”	N/A	N/A	1739’	N/A
2” Tubing	N/A	N/A	1843’	N/A

USING LITTLE KANAWHA RIVER ELEVATION OF 676’ FOR ESTIMATE OF FRESH WATER DEPTH.
USING RECORDS OF OFFSET WELL 047-013-04205 FOR SALT WATER DEPTH.

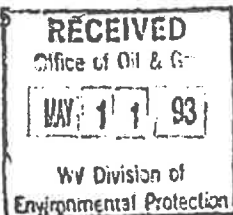
Relevant Zones	
Fresh water depth	34’
Salt water depth	1217’
Producing horizon	1758’-1848’

Note: There is an active water well (+/-) 100’ from this well.

- 
1. Notify the inspector at least 24 hours prior to commencing well work.
 2. 6% Gel from TD to 1800’.
 3. Cut 6-5/8” casing at free point and pick up, shoot holes in 6-5/8” casing deeper if necessary.
 4. Set cement plug from 1800’ to 1475’.
 5. 6% Gel from 1475’ to 1250’.
 6. Pull 6-5/8” casing.
 7. Set cement plug from 1250’ to ~~750’~~ ^{728’}.
 8. Shoot holes in 8-1/4” casing if necessary
 9. 6% Gel from ~~750’~~ ^{728’} to 100’.
 10. Shoot holes in 8-1/4” casing at 100’.
 11. Squeeze cement though holes in 8-1/4” casing until it circulates to the surface or until reaching a pressure of 200 PSIG.
 12. Erect monument per code.

CLASS A cement.

WR-35



04-Mar-93
API # 47- 13-04205

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas

Well Operator's Report of Well Work

Farm name: EURNS, MONOKA

Operator Well No.: BURNS 2A-W-781

LOCATION: Elevation: 809.00 Quadrangle: GRANTSVILLE

District: SHERMAN County: CALHOUN
Latitude: 5550 Feet South of 38 Deg. 55Min. 0 Sec.
Longitude 4200 Feet West of 81 Deg. 0 Min. 0 Sec.

Company: WACO OIL & GAS CO., INC.
1297 N. LEWIS ST.
GLENNVILLE, WV 26351-0000

Agent: STEPHEN E. HOLLOWAY

Inspector: DEO MACE
Permit Issued: 03/01/93
Well work Commenced: 03/11/93
Well work Completed: 03/19/93
Verbal Plugging
Permission granted on:
Rotary ☒ Cable ☐ Rig
Total Depth (feet) 6020
Fresh water depths (ft) 50'

Salt water depths (ft) 1316'

Is coal being mined in area (Y/N)? N
Coal Depths (ft): None

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11-3/4"	222	222	C.T.S.
8-5/8"	1,754	1,754	150 Sks.
4-1/2"		95	680 Sks.

OPEN FLOW DATA

Producing formation Devonian Shale Pay zone depth (ft) see treatment
Gas: Initial open flow N/A MCF/d Oil: Initial open flow N/A Bbl/d
Final open flow 1750 MCF/d Final open flow Show Bbl/d
Time of open flow between initial and final tests 4 Hours
Static rock Pressure 1410 psig (surface pressure) after 48 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.

Reviewed TMG
Recorded

For: WACO OIL & GAS CO., INC.

By: Daniel R. Chapman, Geologist
Date: April 29, 1993

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Lease No.

Acres

103

Farm Name

T. J. Brake

H.No.67

Well No. 5

N.

S. 37

E.

W. 24

Location Made

8-23-17

Purchased From

H.C.&R.

Civil District

Sherman

Rig Completed

12-4-17

Date Purchased

3-1-43

County

Calhoun

Dr'g Commenced

12-7-17

Sold To

State

W.Va.

Dr'g Completed

1-18-18

Date Sold

GAS

Oil

Rights Owned By

Hope Drg. Dept.

Date Abandoned

FORMATION					CASING RECORD				
Kind	Top	Bottom	Steel Line Meas.	Tests	Size	Bottom Casing Steel Line	Put in Well Tally Meas.	Pulled Tally Meas.	Cement
Big Dunkard	810	891			18"		40	40	Date
Gas Sand	938	1025			10"		189	189	Size Csg.
1st. Salt	1105	1135			8 1/2"		818		Top "
2nd. Salt	1350	1366			6-5/8"		1739		Bot. "
Mazon	1575	1630			2" Tbg.		1843		
Oil	1585								
Gas	1591								
Little Lime	1635	1645							
Penoil Cave	1645	1655							
Big Lime	1655	1758							
Big Injun	1758	1848							
Oil	1838								
Gas	1845								

PACKERS AND SHOES				
Kind	Size	Depth Set	Date Set	
Csg. Shoe	8 1/2"			
" "	6-5/8"			

TORPEDO RECORD						
Date	No. Qts.	Size Shell	Top Shot	Bottom	Result	
1-25-18	30		1835	1845		
12-15-24	30		1838	1845		
5-15-41	60		1835	1848	Bot	
Total Depth				1848		

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DRILLING DEEPER

Commenced	Completed	Original Depth	Final Depth	Contract
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ABANDONMENT RECORD

Filled With	From	To	PLUG		
			Size	Kind	De

Initial Prod.

Sand

★ At Completion

★ 30 Days After

★

Oil

Injun

1 1/2-bbl.

10-bbl.

Gas

"

Not enough to test

.4 W. 1/2"

APPROVED

S

10/02/2026

WV Department of
Environmental Protection

100-10-11

[illegible]

WW-4A
Revised 6-07

1) Date: JULY 20, 2026
2) Operator's Well Number
T.J. BRAKE #5

3) API Well No.: 47 - 013 - 02771

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:

(a) Name MICHAEL R. BEARD
Address 10233 A WOODSBORO RD.
WOODSBORO, MD 21798

(b) Name N/A
Address

(c) Name N/A
Address

6) Inspector APRIL LAWSON
Address 347 MAIN STREET
SPENCER, WV 25276
Telephone 681-990-6944

5) (a) Coal Operator

Name N/A
Address

(b) Coal Owner(s) with Declaration
Name N/A
Address RECEIVED
Office of Oil and Gas

Name N/A
Address AUG 12 2026
WV Department of
Environmental Protection

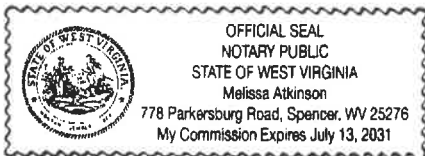
(c) Coal Lessee with Declaration
Name N/A
Address

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

- (1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and
- (2) The plat (surveyor's map) showing the well location on Form WW-6.

The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the reverses side. However, you are not required to take any action at all.

Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a permit to plug and abandon a well with the Chief of the Office of Oil and Gas, West Virginia Department of Environmental Protection, with respect to the well at the location described on the attached Application and depicted on the attached Form WW-6. Copies of this Notice, the Application, and the plat have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Chief.



Well Operator PETRO HOLDINGS, INC
By: David L. Smith
Its: PRESIDENT
Address P.O. BOX 987
SPENCER, WV 25276
Telephone 304-927-2069

Subscribed and sworn before me this 22nd day of July, 2026
My Commission Expires July 13, 2031
Notary Public

Oil and Gas Privacy Notice

The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use of your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

10/02/2026

9589 0710 5270 1260 2025 07

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CERTIFIED MAIL® RECEIPT
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For delivery information, visit our website at www.usps.com

OFFICIAL USE

Certified Mail Fee	\$ 6.55
Extra Services & Fees (check box, add fee as appropriate)	
☐ Return Receipt (hardcopy)	\$ 4.65
☐ Return Receipt (electronic)	\$
☐ Certified Mail Restricted Delivery	\$
☐ Adult Signature Required	\$
☐ Adult Signature Restricted Delivery	\$
Postage	\$
Total Postage and Fees	\$ 10.20

Sent to
Michael R. Beard
Street and Apt. No., or PO Box No.
10233 A Woodsboro Rd.
City, State, ZIP+4®
Woodsboro, MD 21798

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

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SURFACE OWNER WAIVER

Operator's Well
Number

T.J. BRAKE #5

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

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Office of Oil and Gas
AUG 12 2026
WV Department of
Environmental Protection

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,

Signature	Date	Name	
		By	
		Its	
			Date
		Signature	Date

10/02/2026

WW-9
(5/16)

API Number 47 - 013 .02771
Operator's Well No. T.J. Brake #5

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

Operator Name PETRO HOLDINGS, INC. OP Code 307079

Watershed (HUC 10) LITTLE KANAWHA RIVER Quadrangle GRANTSVILLE

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: _____

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 Class 2 Facility T3D)
☐ Reuse (at API Number _____)
☐ Off Site Disposal (Supply form WW-9 for disposal location)
☐ Other (Explain _____)

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Will closed loop system be used? If so, describe: NO

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. N/A **AUG 12 2026**

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

Additives to be used in drilling medium? N/A Environmental Protection

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.

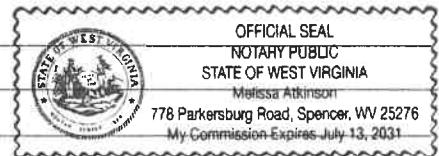
I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on April 1, 2016, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations 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 David CRIHFIELD

Company Official (Typed Name) DAVID CRIHFIELD

Company Official Title PRESIDENT



Subscribed and sworn before me this 22nd day of July, 20 26

Notary Public

My commission expires July 13, 2031

10/02/2026

Proposed Revegetation Treatment: Acres Disturbed +/- 1/2 ACRE Prevegetation pH _____

Line 2 Tons/acre or to correct to pH 6.5

Fertilizer type 10-20-20 OR EQUIVALENT

Fertilizer amount 500 lbs/acre

Mulch STRAW 2 Tons/acre

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Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
MEADOW MIX	50	MEADOW MIX	50

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: April Lawson

Digitally signed by April Lawson
DN: cn = April Lawson email =
april.lawson@wv.gov, c = US O = DEP Oil and Gas
Date: 2026.08.05 17:27:11 -0400

Comments: Follow E&S Control Manual

Title: OOG Inspector Date: 8/5/26

Field Reviewed? (x) Yes () No

RECLAMATION PLAN - ACCESS, GRADE, AND DRAINAGE

RECLAMATION PLAN
T.J. BRAKE #5

API 047-013-02771

CALHOUN COUNTY, WEST VIRGINIA

PROPERTY / WELL INFORMATION

Landowner: Michael R. Beard

Well: T.J. Brake #5

Latitude: 38.90812 N

Longitude: 81.02683 W

Public road: West Virginia Route 5

LEGEND

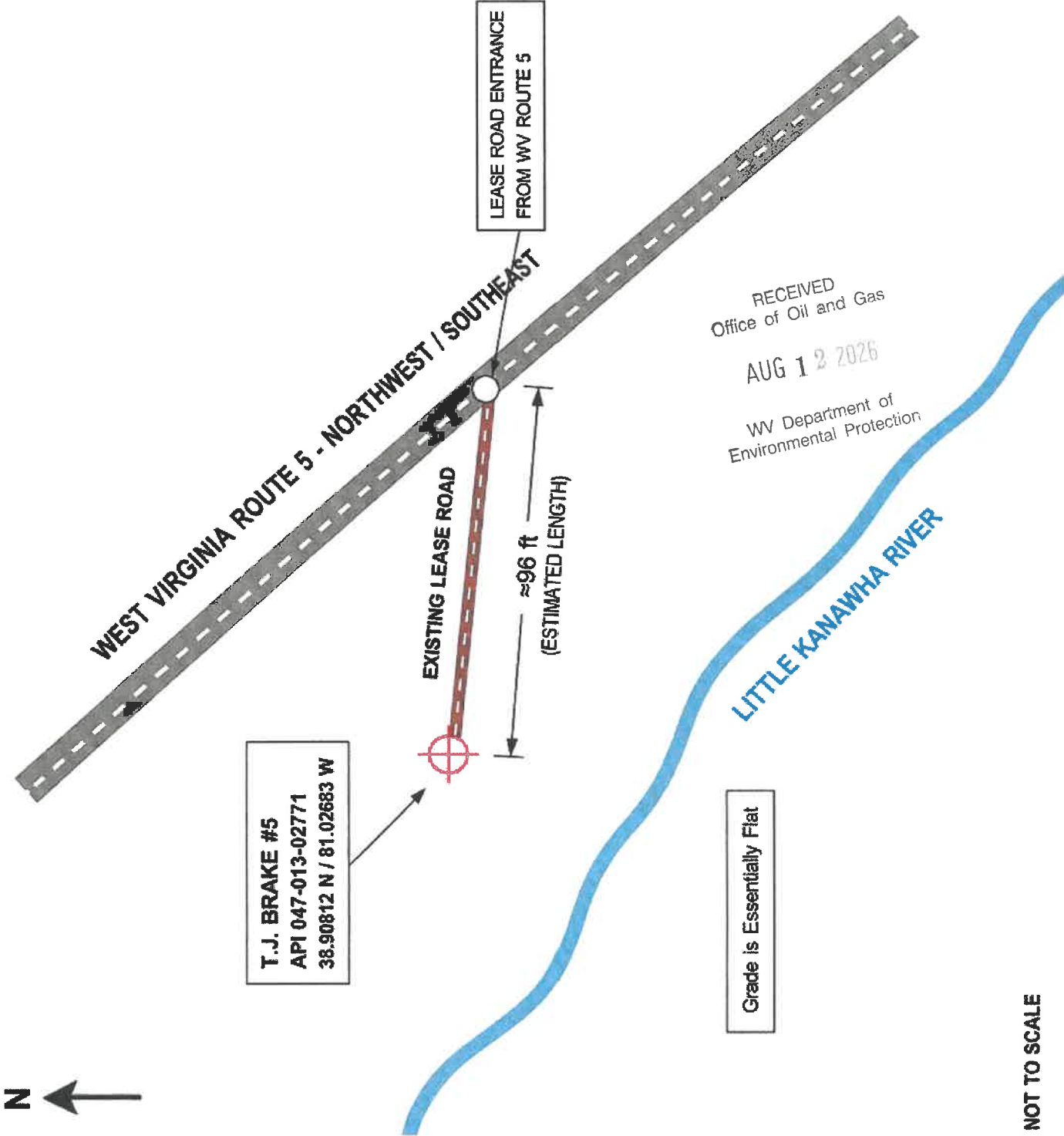
- West Virginia Route 5
- Existing lease road
- Estimated runoff flow
- Well location (GPS)
- Little Kanawha River

PLAN NOTES

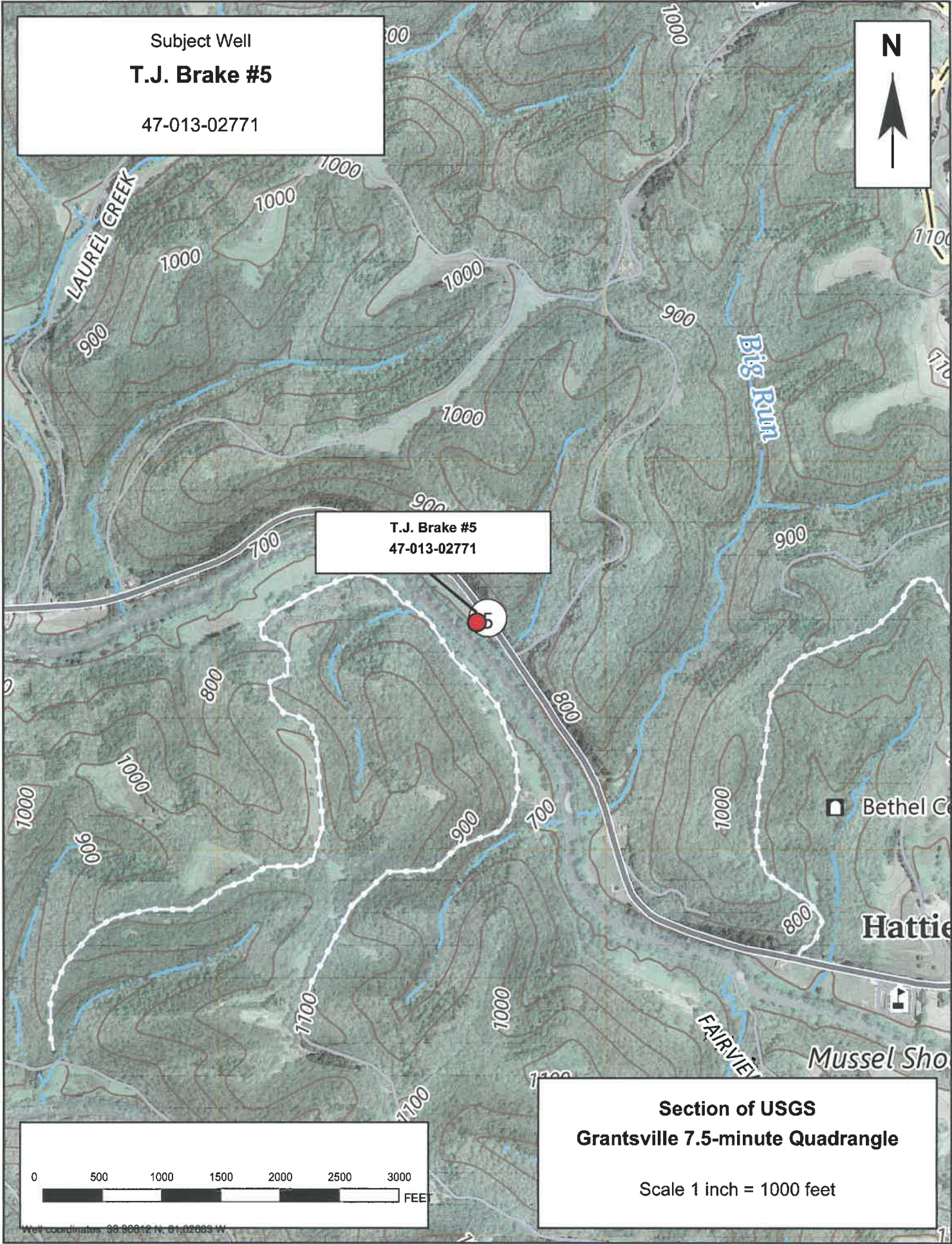
- West Virginia Route 5 trends generally northwest-southeast through the well-site area.
- The existing lease road is approximately 96 feet long and intersects WV Route 5, proceeding west to the well.
- The lease-road geometry and well location are based on GPS Coordinates and USGS topographic information.
- Runoff arrows and the estimated average grade are schematic and have not been field surveyed.

GENERAL NOTE

Reclamation activities shall be performed in accordance with the approved plugging permit and applicable WVDEP requirements.



10/02/2026



10/02/2026



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

plugging permits issued for 4701302763, 02771, and 02806

1 message

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

Mon, Sep 28, 2026 at 2:47 PM

To: Sam McKown <Sam.McKown@mckownassociated.com>, Alana C Hartman <alana.c.hartman@wv.gov>, April N Lawson <april.n.lawson@wv.gov>, Henry J Harmon <henry.j.harmon@wv.gov>, jnettle1@assessor.state.wv.us

To whom it may concern, plugging permits have been issued for 4701302763, 02771, and 02806.

--

James Kennedy

Environmental Resource Specialist III / Permitting

WVDEP Office of Oil and Gas

601 57th Street, SE

Charleston, WV 25304

304-926-0499 ext. 45025

james.p.kennedy@wv.gov

3 attachments **4701302763.pdf**
1126K **4701302771.pdf**
1380K **4701302806.pdf**
1312K

10/02/2026