



---

west virginia department of environmental protection

---

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)

Thursday, January 8, 2026  
WELL WORK PERMIT  
Vertical / Re-Work

COLUMBIA GAS TRANSMISSION, LLC  
1700 MACCORKLE AVENUE SE

CHARLESTON, WV 25314

Re: Permit approval for LANHAM 7145  
47-079-00261-00-00

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.

Please be advised that form WR-35, Well Operators Report of Well Work 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  
Acting Chief

Operator's Well Number: LANHAM 7145  
Farm Name: IRVINE, KEVIN L., ETAL  
U.S. WELL NUMBER: 47-079-00261-00-00  
Vertical Re-Work  
Date Issued: 1/8/2026

A handwritten signature in black ink, appearing to read "Jason Harmon", is written over the typed name and title.

# 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. If the operator encounters an unanticipated void, or an anticipated void at an unanticipated depth, the operator shall notify the inspector within 24 hours. Modifications to the casing program may be necessary to comply with W. Va. Code §22-6-20, which requires drilling to a minimum depth of thirty feet below the bottom of the void, and installing a minimum of twenty (20) feet of casing. Under no circumstance should the operator drill more than fifty (50) feet below the bottom of the void or install less than twenty (20) feet of casing below the bottom of the void.
2. Pursuant to 35 CSR 4-19.1.a, at the request of the surface owner all water wells or springs within 1000 feet of the proposed well that are actually utilized for human consumption, domestic animals or other general use shall be sampled and analyzed.
3. Pursuant to 35 CSR 4-19.1.c, if the operator is unable to sample and analyze any water well or spring with one thousand (1,000) feet of the permitted well location, the Office of Oil and Gas requires the operator to sample, at a minimum, one water well or spring located between one thousand (1,000) feet and two thousand (2,000) feet of the permitted well location.
4. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
5. 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.
6. During the surface casing and cementing process, in the event cement does not return to the surface, or any other casing string that is permitted to circulate cement to the surface and does not return to the surface, the oil and gas inspector shall be notified within twenty-four (24) hours.
7. Well work activities shall not constitute a hazard to the safety of persons.
8. Operator shall provide the Office of Oil & Gas notification of the date that drilling commenced on this well. Such notice shall be provided by sending an email to [DEPOOGNotify@wv.gov](mailto:DEPOOGNotify@wv.gov) within 30 days of commencement of drilling.
9. 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.

01/16/2026

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS  
WELL WORK PERMIT APPLICATION

1) Well Operator: Columbia Gas Transmission, LLC 307032 Putnam Poca Pocatalico, WV  
Operator ID County District Quadrangle

2) Operator's Well Number: Lanham 7145 3) Elevation: 836.8

4) Well Type: (a) Oil \_\_\_\_\_ or Gas X  
(b) If Gas: Production \_\_\_\_\_ / Underground Storage X  
Deep \_\_\_\_\_ / Shallow X

5) Proposed Target Formation(s): Big Lime Proposed Target Depth: 1791

6) Proposed Total Depth: 1791 Feet Formation at Proposed Total Depth: Big Lime

7) Approximate fresh water strata depths: None reported by driller

8) Approximate salt water depths: None reported by driller

9) Approximate coal seam depths: None reported by driller

10) Approximate void depths, (coal, Karst, other): None reported by driller

11) Does land contain coal seams tributary to active mine? No

12) Describe proposed well work and fracturing methods in detail (attach additional sheets if needed)

Perform a coil tubing cleanout and acid stimulation, flowback.

\* casing and equipment listed below are existing

13)

**CASING AND TUBING PROGRAM**

**\* existing**

TYPE	SPECIFICATIONS			FOOTAGE	INTERVALS	CEMENT
	Size	Grade	Weight per ft	For Drilling	Left in Well	Fill -up (Cu. Ft.)
Conductor	14		42		0	-
Fresh Water						
Coal	8-5/8		28		1294	-
Intermediate	7		1602 - 1667 depth	observed on	cased hole log	
Production	5-1/2	J-55	17		1685	260 sx
Tubing						
Liners						

Packers: Kind: \_\_\_\_\_

Sizes: \_\_\_\_\_

Depths Set \_\_\_\_\_

01/16/2026



1.) Date: 10/09/25  
2.) Operator's Well Number Lanham 7145  
State County Permit  
3.) API Well No.: 47- 079 00261

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS  
NOTICE AND APPLICATION FOR A WELL WORK PERMIT

4) Surface Owner(s) to be served:  
(a) Name Kevin L. Irvine, etux  
Address 671 Melton Rd  
Poca, WV 25159-6771  
(b) Name \_\_\_\_\_  
Address \_\_\_\_\_  
(c) Name \_\_\_\_\_  
Address \_\_\_\_\_  
6) Inspector Joe Taylor  
Address 122 Bath Rd  
Charleston, WV 25312  
Telephone 304-380-7469  
5) (a) Coal Operator  
Name Not operated  
Address \_\_\_\_\_  
(b) Coal Owner(s) with Declaration  
Name Not operated  
Address \_\_\_\_\_  
(c) Coal Lessee with Declaration  
Name Not operated  
Address \_\_\_\_\_

TO THE PERSONS NAMED ABOVE TAKE NOTICE THAT:

OR Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas  
x Included is the information required by Chapter 22, Article 6, Section 8(d) of the Code of West Virginia (see page 2)

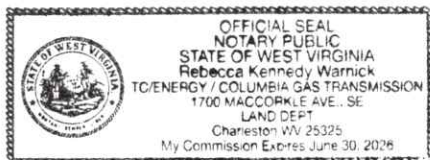
I certify that as required under Chapter 22-6 of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through \_\_\_\_ on the above named parties by:

\_\_\_\_ Personal Service (Affidavit attached)  
x \_\_\_\_\_ Certified Mail (Postmarked postal receipt attached)  
\_\_\_\_ Publication (Notice of Publication attached)

I have read and understand Chapter 22-6 and 35 CSR 4, and I agree to the terms and conditions of any permit issued under this application.

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, 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 and imprisonment.



Well Operator Columbia Gas Transmission, LLC  
By: Maria Medvedeva  
Its: Senior Wells Engineer Storage Technical Services  
Address: 1700 MacCorkle Ave SE  
Charleston WV 25314-1273  
Telephone: 304-410-4313  
Email: maria\_medvedeva@tcenergy.com

Subscribed and sworn before me this 9th day of October, 2025

Notary Public

My Commission Expires 6/30/26

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](mailto:depprivacyofficer@wv.gov)

01/16/2026

**SURFACE OWNER WAIVER**

County Putnam

Operator

Columbia Gas Transmission LLC

Operator well number

Lanham 7145

**INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW2-A**

The well operator named on page WW2A is applying for a permit from the State to do oil or gas well work. (Note: If the surface tract is owned by more than three persons, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22 of the West Virginia Code. Well work permits are valid for 24 months. If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator and the Office of Oil and Gas.

**NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.**

**WHERE TO FILE COMMENTS AND OBTAIN ADDITIONAL INFORMATION:**

Chief, Office of Oil and Gas  
Department of Environmental Protection  
601 57<sup>th</sup> St. SE  
Charleston, WV 25304  
(304) 926-0450

**Time Limits and methods for filing comments.** The law requires these materials to be served on or before the date the operator files his Application. You have **FIFTEEN (15) 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 the rules promulgated under Chapter 22, and has failed to abate or seek review of the violation.

RECEIVED  
Office Of Oil and Gas

OCT 28 2025

**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.**

**List of Water Testing Laboratories.** The Office maintains a list of water testing laboratories which you can hire to test your water to establish water quality prior to and after drilling. Contact the Chief to obtain a copy.

**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 Well Work Permit on Form WW2-A, and attachments consisting of pages 1 through \_\_\_\_ including a work order on Form WW2-B, a survey plat, WW-9, and a soil and erosion plan, all for proposed well work on my surface land as described therein.

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

FOR EXECUTION BY A CORPORATION, ETC.

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Company  
Name  
By  
Its

\_\_\_\_\_  
Date

\_\_\_\_\_  
Print Name

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

01/16/2026



**Columbia Gas Transmission, LLC**

1700 MacCorkle Ave., SE, Charleston, WV, USA 25314



2025, October 14

Kevin L. Irvine, etux  
671 Melton Rd  
Poca, WV 25159-6771

Columbia Gas Transmission, LLC is applying for a permit to the WV Department of Environmental Protection – Office of Oil and Gas, to workover an existing underground natural gas storage well located on property owned by you. As reference, the field and well ID is Lanham 7145 (API 47-079-00261).

As part of the well permitting process, Columbia, the well operator, is required to provide a copy of all applicable permit application forms for your review and record retention.

Regards,

Maria Medvedeva  
Senior Wells Engineer  
Well Engineering & Technology  
Columbia Gas Transmission, LLC

RECEIVED  
Office Of Oil and Gas  
OCT 28 2025  
WV Department of  
Environmental Protection

**U.S. Postal Service™**  
**CERTIFIED MAIL® RECEIPT**  
Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)®.

Poca, WV 25159

**OFFICIAL USE**

Certified Mail Fee	\$5.30
Extra Services & Fees (check box, add fee as appropriate)	
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00
<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00
Postage	\$11.90
Total Postage and Fees	\$21.60
Sent To	Kevin Irvine
Street and Apt. No., or PO Box No.	
City, State, ZIP+4®	

Postmark Here: OCT 17 2025  
KANAWHA COUNTY, WV 25304  
10/17/2025

7022 2410 0002 6396 3201

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY												
<ul style="list-style-type: none"><li>■ Complete items 1, 2, and 3.</li><li>■ Print your name and address on the reverse so that we can return the card to you.</li><li>■ Attach this card to the back of the mailpiece, or on the front if space permits.</li></ul>	<p>A. Signature </p> <p>B. Received by (Printed Name) Kevin Irvine</p> <p>C. Date of Delivery 10/18/25</p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input checked="" type="checkbox"/> No</p>												
<p>1. Article Addressed to:</p> <p>Kevin Irvine 671 Melton Rd Poca, WV 25159</p> <p>9590 9402 7630 2122 5683 54</p>	<p>3. Service Type</p> <table><tr><td><input type="checkbox"/> Adult Signature</td><td><input type="checkbox"/> Priority Mail Express®</td></tr><tr><td><input type="checkbox"/> Adult Signature Restricted Delivery</td><td><input type="checkbox"/> Registered Mail™</td></tr><tr><td><input type="checkbox"/> Certified Mail®</td><td><input type="checkbox"/> Registered Mail Restrict Delivery</td></tr><tr><td><input type="checkbox"/> Certified Mail Restricted Delivery</td><td><input type="checkbox"/> Signature Confirmation™</td></tr><tr><td><input type="checkbox"/> Collect on Delivery</td><td><input type="checkbox"/> Signature Confirmation Restricted Delivery</td></tr><tr><td><input type="checkbox"/> Collect on Delivery Restricted Delivery</td><td></td></tr></table>	<input type="checkbox"/> Adult Signature	<input type="checkbox"/> Priority Mail Express®	<input type="checkbox"/> Adult Signature Restricted Delivery	<input type="checkbox"/> Registered Mail™	<input type="checkbox"/> Certified Mail®	<input type="checkbox"/> Registered Mail Restrict Delivery	<input type="checkbox"/> Certified Mail Restricted Delivery	<input type="checkbox"/> Signature Confirmation™	<input type="checkbox"/> Collect on Delivery	<input type="checkbox"/> Signature Confirmation Restricted Delivery	<input type="checkbox"/> Collect on Delivery Restricted Delivery	
<input type="checkbox"/> Adult Signature	<input type="checkbox"/> Priority Mail Express®												
<input type="checkbox"/> Adult Signature Restricted Delivery	<input type="checkbox"/> Registered Mail™												
<input type="checkbox"/> Certified Mail®	<input type="checkbox"/> Registered Mail Restrict Delivery												
<input type="checkbox"/> Certified Mail Restricted Delivery	<input type="checkbox"/> Signature Confirmation™												
<input type="checkbox"/> Collect on Delivery	<input type="checkbox"/> Signature Confirmation Restricted Delivery												
<input type="checkbox"/> Collect on Delivery Restricted Delivery													
<p>2. Article Number (Transfer from service label)</p> <p>7022 2410 0002 6396 3201</p>	<p>restricted Delivery</p> <p>01/16/2026</p>												

PS Form 3811, July 2020 PSN 7530-02-000-9053

Domestic Return Receipt

[www.tcenergy.com](http://www.tcenergy.com)

## WW-2A Coal Waiver

### COAL OPERATOR, OWNER, OR LESSEE WAIVER

*\* coal not operated*

County Kanawha

Operator Columbia Gas Transmission LLC

Operator's Well Number Lanham 7145

### INSTRUCTIONS TO COAL OPERATOR, OWNER, OR LESSEE

To the coal operator, owner, or lessee named on page WW2-A. You are hereby notified that any objection you wish to make or are required to make by WV Code 22-6-15, 16 or 17, must be filed with the Chief of the Office of Oil and Gas within fifteen (15) days after the receipt of this application by the Office. Mail objections to:

Chief, Office of Oil and Gas  
Department of Environmental Protection  
601 57<sup>th</sup> St. SE  
Charleston, WV 25304  
(304) 926-0499 extension 1654

### WAIVER

The undersigned coal operator \_\_\_\_/ owner \_\_\_\_/ lessee \_\_\_\_/ of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of well location, the well location has been added to the mine map. 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.

FOR EXECUTION BY A NATURAL PERSON

FOR EXECUTION BY A CORPORATION, ETC.

\_\_\_\_\_  
Signature

Date \_\_\_\_\_

Company  
Name \_\_\_\_\_  
By \_\_\_\_\_  
Its \_\_\_\_\_

\_\_\_\_\_  
Date

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

RECEIVED  
Office Of Oil and Gas  
OCT 28 2025  
WV Department of  
Environmental Protection

01/16/2026

**INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE  
Chapter 22, Article 6, Section 8(d)  
IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)**

Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that –

- (1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
Reba V. Celendnin, Etal	United Fuel Gas Company	Storage Lease - 1047902-000	43 / 585

**Acknowledgement of Possible Permitting/Approval  
In Addition to the Office of Oil and Gas**

The permit applicant for the proposed well work addressed in this application hereby acknowledges the possibility of the need for permits and/or approvals from local, state, or federal entities in addition to the DEP, Office of Oil and Gas, including but not limited to the following:

- WV Division of Water and Waste Management
- WV Division of Natural Resources
- WV Division of Highways
- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service
- County Floodplain Coordinator

RECEIVED  
Office Of Oil and Gas  
OCT 28 2025  
WV Department of  
Environmental Protection

The applicant further acknowledges that any Office of Oil and Gas permit in no way overrides, replaces, or nullifies the need for other permits/approvals that may be necessary and further affirms that all needed permits/approvals should be acquired from the appropriate authority before the affected activity is initiated.

Well Operator:  
By: Its:

Columbia Gas Transmission, LLC  
Maria Medvedeva  
Senior Wells Engineer Storage Technical Services

01/16/2026



WW-2B1  
(5-12)

Well No. Lanham 7145

West Virginia Department of Environmental Protection  
Office of Oil and Gas

NOTICE TO SURFACE OWNERS

The well operator named below is preparing to file for a permit from the state to drill a new well. Before a well work permit can be filed with the Chief of the Office of Oil and Gas, the well operator is required to have given notice of the right to request water well or spring analytical testing. This notice shall be given to the owners or occupants of land which have a water well or spring being utilized for human consumption, domestic animals, or other general use and which is located within 1000 feet of the proposed well site.

With this form, the operator is giving you notice of your right to request analytical testing. The operator is required to sample and analyze the water wells or springs of all owners or occupants who request it. Therefore, if you wish to have your water well or spring tested, contact the operator named below.

All sampling shall be completed prior to drilling. Within thirty (30) days of the receipt of such sample analyses the operator shall submit the results to the Chief of the Office of Oil and Gas and to the owners or occupants who may have requested them.

Be advised, you have the right to sample and analyze any water supply at your own expense.

Listed below is the laboratory chosen by operator to perform analysis, and contactor chosen to collect sample.

Certified Laboratory Name \_\_\_\_\_  
Sampling Contractor \_\_\_\_\_

Well Operator Not applicable - existing underground natural gas storage well  
Address \_\_\_\_\_  
Telephone \_\_\_\_\_

FOR OPERATOR'S USE ONLY: Below, or on an attached page, list those persons which were given this notice. Place an asterisk beside the one(s) that contacted you and requested sampling and analyses. If there were no requests made, indicate by underling which one you have selected to sample and analyze. If there are no water wells or springs within 1000 feet of the proposed site, the Chief may require the operator to test wells up to 2000 feet from the proposed site.

RECEIVED  
OFFICE OF OIL AND GAS  
JAN 16 2025  
WV Department of  
Environmental Protection

01/16/2026

WW-9  
(5/16)

API Number 47 - 079 \_00261  
Operator's Well No. Lanham 7145

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

Operator Name Columbia Gas Transmission, LLC OP Code 307032

Watershed (HUC 10) Pocatalico River Quadrangle Pocatalico, WV

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: N/A

Will a synthetic liner be used in the pit? Yes ☐ No ☒ If so, what ml.? N/A

Proposed Disposal Method For Treated Pit Wastes:

- ☐ Land Application (if selected provide a completed form WW-9-GPP)
- ☒ Underground Injection ( UIC Permit Number 34-167-23862 )
- ☐ Reuse (at API Number \_\_\_\_\_)
- ☐ Off Site Disposal (Supply form WW-9 for disposal location)
- ☒ Other (Explain Mud Master 64054; Reserve Environmental Services (WMGR 123SW008)  
Appalachian Water Services (WMGR 123SW001))

Will closed loop system be used? If so, describe: yes - steel flow line to tanks

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

-If oil based, what type? Synthetic, petroleum, etc. N/A

Additives to be used in drilling medium? NaCl, biocide, soda ash, polymer, starch, CaCO3, HCl acid

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) N/A

-Landfill or offsite name/permit number? To be managed by Waste Management and US Ecology for disposal at permitted landfill

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.

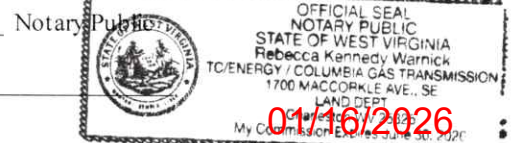
Company Official Signature *Maria Medvedeva*

Company Official (Typed Name) Maria Medvedeva

Company Official Title Senior Wells Engineer Storage Technical Services

Subscribed and sworn before me this 9<sup>th</sup> day of October, 2025

My commission expires 6/30/26



Proposed Revegetation Treatment: Acres Disturbed < 1.0 Prevegetation pH 6-7Lime 2 Tons/acre or to correct to pH 7-8Fertilizer type 10-10-10Fertilizer amount 600 lbs/acreMulch hay or straw @ 2 Tons/acreSeed MixturesTemporaryPermanent

Seed Type	lbs/acre	Seed Type	lbs/acre
Annual rye	40	Orchard Grass and/or Tall Fescue	29
		Birdsfoot Trefoil (Empire)	9
		Annual Rye	12

## 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.

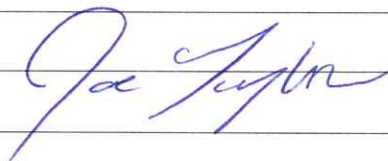
Plan Approved by: \_\_\_\_\_

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

RECEIVED  
Office Of Oil and Gas

OCT 28 2025

WV Department of  
Environmental Protection


Title: OOG Inspector Date: 10-10-25Field Reviewed? ( ) Yes ( X ) No

01/16/2026



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

Operator Name: Columbia Gas Transmission, LLC  
Watershed (HUC 10): Pocatalico River Quad: Pocatalico, WV  
Farm Name: Pearl W. Melton, Et Al

1. List the procedures used for the treatment and discharge of fluids. Include a list of all operations that could contaminate the groundwater.

No fluids planned to be discharged. No fertilizer will be stored on site. Fuel, oil, and lubricants will be stored on site, but located within secondary containment. Accidental spills from construction equipment, well treatment fluids, and produced well fluids are the only possible source of contamination to groundwater. Drilling and flowback fluids to be stored in tanks. All accumulated fluids to be hauled off site to UIC disposal facility.

2. Describe procedures and equipment used to protect groundwater quality from the list of potential contaminant sources above.

All construction and well servicing equipment will be monitored and inspected daily for leaks. Tanks to be monitored daily for leaks. Spill kits will be on site.

3. List the closest water body, distance to closest water body, and distance from closest Well Head Protection Area to the discharge area.

Pocatalico River is at a distance of 0.06 miles E.

The Rippling Waters Campground WV9918017 is the closest Well Head Protection Area at a distance of 8.65 miles NE from discharge area.

RECEIVED  
Office Of Oil and Gas

4. Summarize all activities at your facility that are already regulated for groundwater protection.

OCT 28 2025

N/A

WV Department of  
Environmental Protection

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

01/16/2026

N/A

6. Provide a statement that no waste material will be used for deicing or fill material on the property.

No waste material will be used for deicing or fill material on the property.

7. Describe the groundwater protection instruction and training to be provided to the employees. Job procedures shall provide direction on how to prevent groundwater contamination.

During routine tailgate and JSA meetings groundwater protection will be a topic of discussion.

8. Provide provisions and frequency for inspections of all GPP elements and equipment.

No fertilizer will be stored on site. Fuel, oil, and lubricants will be stored on site, but located within secondary containment. Spills from construction equipment, well treatment fluids, and produced well fluids are the only possible source of contamination to groundwater.

All construction and well servicing equipment will be monitored and inspected daily for leaks or spills.

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

01/16/2026

<b>WELL JOB PLAN</b>				<b>STS Well Engineering &amp; Technology</b>		PAGE 1		DATE JOB PREPARED: 03.30.24	
Objective: Resotre Deliverability								LAST PROFILE UPDATE:	
TITLE: CTCO				WELL ID: 7145				WORK TYPE:	
FIELD: Lanham				LEASE #: 41162					
STATE: WV				SHL (Lat/ Long) 38.473101		-81.724632		API: 47-079-00261	
DIST/TWP: Poca				BHL (Lat/Long) 38.473101		-81.724632		CNTY: Putnam	
EXISTING TUBULAR CONFIGURATION		OD (inches)	WEIGHT (PPF)	GRADE	THREAD	DEPTH (ft)		WELLLINE #: X2W7145	
						TOP	BOTTOM	FORMATION: refer to MISC INFORMATION section	
Conductor		14	42.0			0	20	PAY: 1791	
Surface		10 3/4	Pulled 1950			-	-	ELEVATIONS	
Intermediate		8 5/8	28.0			0	1294	TMG:	
Intermediate		7 *	Observed on 2013 HRVRT			1602	1667	KB-RF:	
Production		5 1/2	17.0	J-55		0	1685	GL:	
Tubing		2 3/8	Pulled 2013					CSG	DEPTH WELLBORE SCHEMATIC
* well originally completed as producer w/ 7 csg on packer @ 1680, P&A & redrilled for storage Perforations Openhole, acid frac Wellhead API 3k, 5-1/2" flowstring x 8-5/8" support, 8-5/8" casing head welded to plate that is welded to (assumed) 14" conductor. 5-1/2" API 8 RD wellhead connection									
D.H. EQUIPMENT			TYPE			DEPTH (ft)			
PACKER INFO: Upper									
Lower									
NIPPLE PROFILE INFO: Upper									
Lower									
SSSV INFO:									
CEMENT INFO							Calc TOC (ft)		
14		No record of cement					-		
8 5/8		No record of cement					-		
5 1/2		Cemented w/ 260 sx neat - job locked up - left 66 sx in pipe.					215 - 256'		
MISC INFORMATION									
<b>REFER TO WELL SUMMARY RPT, WELLBORE DIAGRAM, ELOG, ETC. (see spreadsheet tabs below)</b>									
<b>Kill Fluid Calculation</b> <span style="float:right">* Note that kill fluid calculation tabs are hidden</span> Maximum calculated bottom-hole pressure (for reference only): 1036 psig * input Maximum storage field surface pressure (MAOP): 850 psig * input  Well TD: 1791 ft TVD * input Top of storage zone (Big Lime): 1677 ft TVD * input Calculated maximum BH pressure at top of zone: 886 psig * output Kill Fluid (TOZ) Kill fluid density at top of zone @: 150 psi OB 11.88 ppg * output Kill Fluid (TOZ)  Proposed depth of BP (N/A): 1677 ft TVD * input Calculated maximum BH pressure at depth of BP: 886 psig * output Kill Fluid (BP) Kill fluid density at depth of BP @: 150 psi OB 11.88 ppg * output Kill Fluid (BP)  Required minimum kill fluid density: 11.9 ppg * greater of the two									
Current AOF: 63,276 MCF/D Top historical AOF: 103,419 MCF/D Last MVRT: 06/06/2016 Baker HRVRT indicates no pitting or corrosion in this well which exceeds the 20% metal loss cut off. SBT: 2004 Baker CBL indicates cmt up to 336'.									
PROPOSED YEAR: 2026		ERCB PERMIT REQD: YES _____ NO_X_		DT. APPLIED: ISSUED:		(Internal) PDS Required: YES _____ NO _____			
PREPARED BY: Maria Medvedeva		REVIEWED BY: James Amos		APPROVED: Environmental Protection Brent Cresser					
PREP DATE: 03.30.24									

RECEIVED  
Office Of Oil and Gas

OCT 28 2025

JAT

01/16/2026



<b>WELL JOB PLAN</b>		<b>STS Well Engineering &amp; Technology</b>		PAGE 2	DATE JOB PREPARED: 03.30.24
Objective: Resotre Delivaribility				LAST PROFILE UPDATE:	
TITLE: CTCO		WORK TYPE: 0			
FIELD: Lanham	WELL: 7145				
STAT: WV	SHL (Lat/Long):	38.473101	-81.724632	API: 47-079-00261	
TWP: Poca	BHL (Lat/Long):	38.473101	-81.724632	CNTY: Putham	

PROCEDURE

**NOTE: Great results in performance improvement with pulling the tbg and acidizing (1600 gal 15% HCl acid) in 2013. Highest AOF of 103,419 noted in the fall of 2014 well test.**

- 1 Obtain State well work permit, EM&CP, pipeline crossing evaluation, call before you dig, etc. Prepare site specific SPCC.
- 2 Notify landowner.
- 3 Obtain General Work Permit and Wellsite Review & Turnover Form from Operations.
- 4 Notify Reservoir Engineering & Geosciences (REG) of intent to take well out of service.
- 5 Notify environmental inspector prior to beginning work. If required, notify State/Federal regulatory agencies prior to beginning work.
- 6 Disconnect well line.
- 7 Prepare access road and well site. Install ECD's per EM&CP.
- 8 Service all wellhead valves.
- 9 Document and report to WE&T the initial casing and annular pressures.
- 10 MIRU 1.75" CTU.
- 11 Flow well. If well won't flow unload with nitrogen.
- 12 Perform CTCO and 1500 gallons of 15% HCL treatment.
- 13 RDMO CTU.
- 14 Flow well to recover treatment fluids.
- 15 Perform final 45-min flowback test thru 3/4" choke. Record flow test in the FLOWTEST and GAS LOSS DATA SHEET.
- 16 Notify WET Project Support that well is back in-service.
- 17 Reclaim R&L.
- 18 Reconnect well line.
- 19 Commission well by completing, processing, and retain for records the Wellsite Review and Turnover Form.
- 20 Notify REG that well is ready for storage service.

*Joe Taylor*  
10-10-25

RECEIVED  
Office Of Oil and Gas  
OCT 28 2025  
WV Department of  
Environmental Protection

PREPARED BY: Maria Medvedeva	REVIEWED BY: James Amos	APPROVED: Brent Criser
PREP DATE: 03.30.24		

01/16/2026

Lanham 7145 (API 47-079-00261) - CTCO and Acid Treatment

API 3K wellhead

5-1/2" 17# csg J-55 ran to 1685'

Burst: 5320 psig new (4256 psig assuming 80% safety factor)

Capacity: 1685 ft x 0.9764 gal/ft = 1645.25 gals; x 0.0232 bbl/ft = 39.17 bbls

Openhole

Capacity 4-3/4" hole: 106 ft x 0.02192 bbl/ft = 2.32 bbls

Total Capacity: 42 bbls

Big Lime: 1677 – 11708' (driller)

Perfs: None (openhole completion)

TD: 1791 (drilled deeper 2004)

---

Fluids Needed

1500 gals 15% HCl acid treated with corrosion inhibitor, iron control/sequestering agent, and surfactant. Biocide, clay stabilizer, and surfactant to treat +/- 150 bbls fresh water. Liquid caustic on location in case need to neutralize flowback fluids.

*\* One day before acid treatment load 5-1/2" x 8-5/8" annulus with fresh water treated with biocide, corrosion inhibitor, and clay stabilizer*

---

CTCO Procedure

1. MIRU 1.75" CTU.
2. Load CT with treated fresh water (TFW) and pressure test CT and BOPs to 1100 psig.  
*\* based on the maximum calculated bottomhole pressure*
3. Open well and RIH under static conditions.
4. At 1400' begin jetting with foamed TFW. Jet to TD and cycle up and down across interval 1650' – TD.
5. Begin 15% HCl acid foamed to 50Q and cycle up and down across interval 1650' – TD until 500 gals acid gone.
6. Flow well while POOH to 1200'. Flow until returns are relatively dry.

Acid Treatment

1. RU to perform matrix acid treatment down casing as follows:
  - 1000 gals 15% HCl acid      2-4 BPM      Max Treating Press = 1100 psig
  - 25 bbls TFW      2-4 BPM      Max Treating Press = 1100 psig
  - *SHUT DOWN FOR 30 minutes TO ALLOW ACID TO SOAK*
  - 20 bbls TFW      2-3 BPM      Max Treating Press = 1000 psig
2. Flow well. If well quits flowing, RBIH with CT unloading fluid with N2.
3. RDMO and release CTU/acid equipment.

RECEIVED  
Department of Oil and Gas  
OCT 28 2025  
Department of Environmental Protection

107  
01/16/2026

Last Updated: 2/13/2024 12:02 PM



Field Name		Lease Name		Well No.	
Lanham		Lanham - 07145		07145	
County		State		API No.	
Putnam		WV		47079002610000	
Version	Version Tag				
0	Current Completion				
G.L. (ft)	K.B. (ft)	Sec.	Township/Block	Range/Survey	
1,791.0	1,791.0	56-67	Poca	031007145	
Operator		Well Status	Latitude		Longitude
TransCanada		ACTIVE	38.4731		-81.7246
Dist. N/S (ft)	N/S Line	Dist. E/W (ft)	E/W Line	Footage From	
PropNum			Spud Date		Comp. Date
Pearl W. Melton, Et Al			9/1/1950		
Additional Information					
7145-Charleston, WV) I-77 N to exit 111 (Tuppers Creek). Take off ramp, turn left on CR 29 W to CR 21 N, continue to traffic light (Sissonville HS), turn left on SR 622 E @ 3 ½ miles to CGT compressor station, continue (bear left) on SR 622 E, watch for church on left, turn right on Poca River Rd (CR 7/5), turn right on Harmon Bridge Rd, then right on Milton Farm Rd. Follow road to farmstead, go between sheds bearing left uphill to well. Note: bridge on Harmon Bridge Rd may not be suitable for heavy trucks. Consult with CG rep for alternate route.					
Other1		Other2		Other3	Other4
Lanham		0310		031007145	
Prepared By		Updated By		Last Updated	
				2/13/2024 12:02 PM	

## Hole Summary

Date	O.D. (in)	Top (MD ft)	Bottom (MD ft)	Comments
9/3/1950	10.625	0	1,294	
11/1/1943	8.750	1,602	1,667	
9/5/1950	7.875	0	1,685	

## Tubular Summary

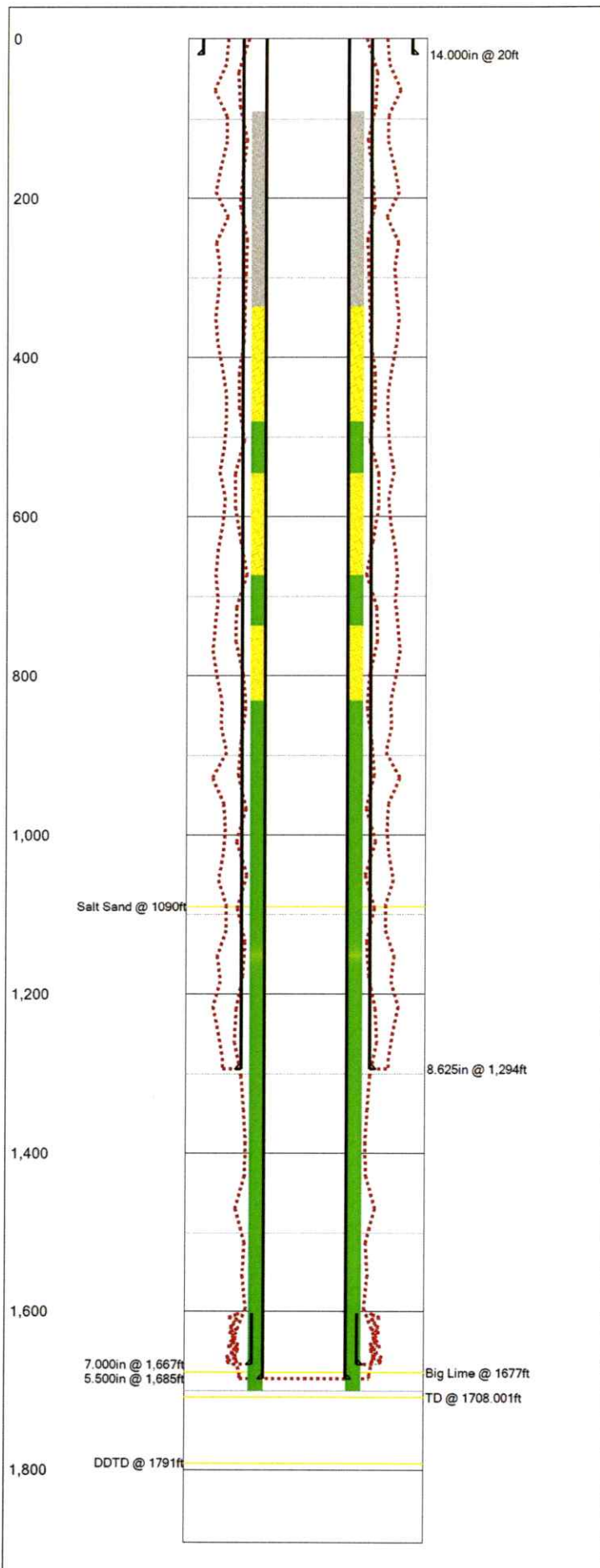
Date	Description	O.D. (in)	Wt (lb/ft)	Grade	Top (MD ft)	Bottom (MD ft)
9/1/1950	Casing	14.000	42.00		0	20
9/3/1950	Casing	8.625	28.00		0	1,294
11/1/1943	Casing	7.000			1,602	1,667
9/5/1950	Casing	5.500	17.00	J-55	0	1,685

## Casing Cement Summary

C	Date	No. Sx	Csg. O.D. (in)	Top (MD ft)	Bottom (MD ft)	Comments
	6/16/2004	0	5.500	90	336	Free Pipe
	6/16/2004	0	5.500	336	480	Partial Quality
	6/16/2004	0	5.500	480	545	Good Quality
	6/16/2004	0	5.500	545	673	Partial Quality
	6/16/2004	0	5.500	673	736	Good Quality
	6/16/2004	0	5.500	736	831	Partial Quality
	6/16/2004	0	5.500	831	1,235	Good Quality
	6/25/2004	0	5.500	1,100	1,700	Good Quality

## Formation Tops Summary

Formation	Top (TVD ft)	Comments
Salt Sand	1,090	
Big Lime	1,677	Comments: g @ 1700-1708 (7,505 mscfd)
TD	1,708	
DDTD	1,791	



01/16/2026



United Fuel Gas Company  
COMPANY

*Em* 7145  
Superintendent

SERIAL WELL NO. X-2-7145LEASE NO. 47902MAP SQUARE 56-67

RECORD OF WELL NO.		CASEING AND TUBING				TEST BEFORE SHOT
on the		SIZE	WEIGHT	USED IN DRILLING	LEFT IN WELL	
Reba V. Clendenin	State of 174 Acres					/10 of Water in _____ inch
in Pocahontas	District	14		20" 4"	20" 4"	65/10 of Merc. in 5" 17# inch
Putman	County	10		1070' 9"	0	Volume 7,505,000 Cu. ft
State of: W. Va.		8		1785' 1"	1306' 1"	TEST AFTER SHOT
Field: Clendenin		5		1868' 6"	1700' 10"	/10 of Water in _____ inch
Rig Commenced	194	2		1745' 7"	1708' 7"	/10 of Merc. in _____ inch
Rig Completed	194					Volume _____ Cu. ft
Drilling Commenced	August 30, 1950					60 Hours After Shot
Drilling Completed	September 30, 1950					Rock Pressure 485
Drilling to cost	per foot					Date Shot _____
Contractor is: C.O. Tools, Stg # 51						Size of Torpedo _____
Address:		SHUT IN				Oil Flowed _____ bbls. 1st 24 hrs.
		Date Mar 14, 1951				Oil Pumped _____ bbls. 1st 24 hrs.
Driller's Name	Walter G. Wright	2 in. Tubing or _____				
	McDonald Conley	Size of Packer _____				Well abandoned and
		Kind of Packer _____				Plugged _____ 194
		1st Perf. Set _____ from _____				
Elevation:	855.11	2nd Perf. Set _____ from _____				

## DRILLER'S RECORD

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Soil Clay	000	30		
Blue Shale	30	70		
Red Rock	70	160		
Sand	160	170		
Blue Shale	170	200		
Red Rock	200	215		
Blue Rock	215	225		
Red Rock	225	300		
Blue Rock	300	315		
Lime	315	320		
Gray Shale	320	355		
Red Rock	355	375		
Lime Shells	375	390		
Brown Shale	390	420		
Slate & Shells	420	440		
Sand	440	490		
Slate	490	508		





WR-35  
Rev (9-11)

State of West Virginia  
Department of Environmental Protection  
Office of Oil and Gas  
Well Operator's Report of Well Work

DATE: 6/11/13  
API #: 47-7900261

Farm name: Irvine, Kevin L., etal Operator Well No.: 7145

LOCATION: Elevation: 840 ft Quadrangle: Pocatalico

District: Poca County: Putnam  
Latitude: 9.815 Feet South of 38 Deg. 30 Min. 00 Sec.  
Longitude 4.600 Feet West of 81 Deg. 42 Min. 30 Sec.

Company: Columbia Gas Transmission, LLC

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
1700 MacCorkle Ave SE Charleston, WV 25325-1273	14"	20	20	NA
Agent: Paul Amick	10-3/4"	522	0	NA
Inspector: Terry Urban	8-5/8"	1294	1294	no record
Date Permit Issued: 5/22/13	5-1/2"	1685	1685	260 sx
Date Well Work Commenced: 3/4/13				
Date Well Work Completed: 6/11/13				
Verbal Plugging: NA				
Date Permission granted on:				
Rotary <input type="checkbox"/> Cable <input type="checkbox"/> Rig <input checked="" type="checkbox"/>				
Total Vertical Depth (ft):				
Total Measured Depth (ft): 1791 (in year 2004)				
Fresh Water Depth (ft.): none rpt'd by driller in 1950				
Salt Water Depth (ft.): none rpt'd by driller in 1950				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): NA				
Void(s) encountered (N/Y) Depth(s) none rpt'd				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)

Producing formation Big Lime (natural gas storage) Pay zone depth (ft) 1700 - 1708

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

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

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments 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.

  
Signature  
James Amos

6/11/13  
Date

01/16/2026



Were core samples taken? Yes \_\_\_\_\_ No X

Were cuttings caught during drilling? Yes \_\_\_\_\_ No NA

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list MicroVertilog (pipe inspection)

**NOTE: IN THE AREA BELOW 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 THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.**

Perforated Intervals, Fracturing, or Stimulating:

Killed well. Pulled tubing. Logged and installed mechanical bridge plug. Installed new wellhead.

Pulled bridge plug. Acid stimulated.

Acid treatment: 1600 gal 15% HCl acid, 50 bbl fresh water, Avg rate = 3.5 bpm, ATP = 330 psig

Plug Back Details Including Plug Type and Depth(s):

Formations Encountered:	Top Depth	/	Bottom Depth
Surface:			

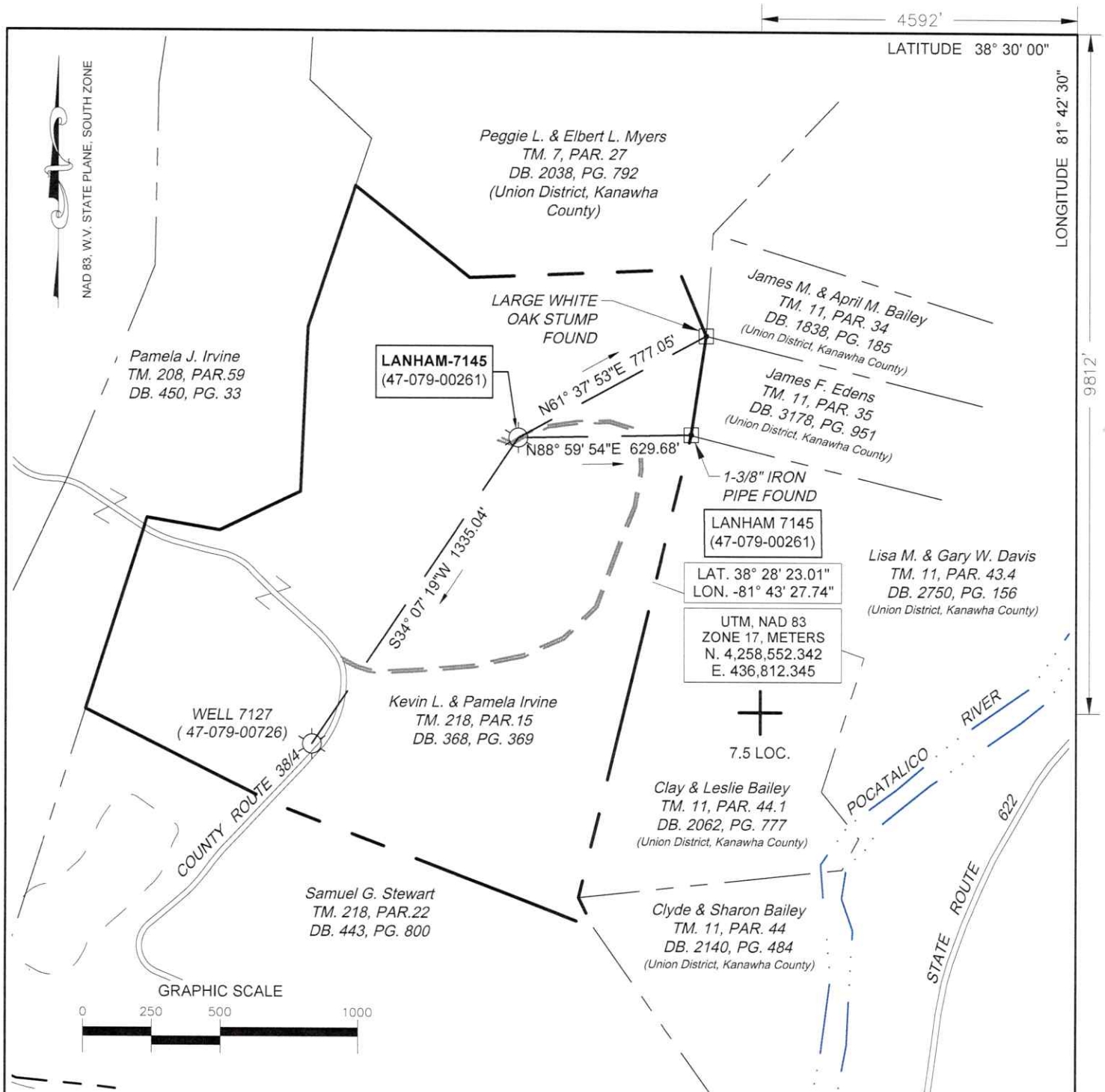
NA - no new borehole drilled

RECEIVED  
Office Of Oil and Gas  
OCT 28 2025  
WV Department of  
Environmental Protection  
RECEIVED  
Office Of Oil and Gas

OCT 28 2025

WV Department of  
Environmental Protection

01/16/2026



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

FILE No 2501-3079-001-004  
DRAWING No. LANHAM 7145  
SCALE 1" = 500'  
MINIMUM DEGREE OF  
ACCURACY 1:200  
PROVEN SOURCE OF  
ELEVATION TRIMBLE R12  
GPS UNIT

I THE UNDERSIGNED, HEREBY CERTIFY THAT  
THIS PLAT IS CORRECT TO THE BEST OF MY  
KNOWLEDGE AND BELIEF AND SHOWS ALL THE  
INFORMATION REQUIRED BY LAW AND THE REGU-  
LATIONS ISSUED AND PRESCRIBED BY THE  
DIVISION OF ENVIRONMENTAL PROTECTION.

(SIGNED)

ROBERT F. THAW

PS #965



STATE OF WEST VIRGINIA  
DIVISION OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS  
NITRO, WV



DATE OCTOBER 6 2025  
OPERATOR'S WELL No. 7145  
API WELL No.

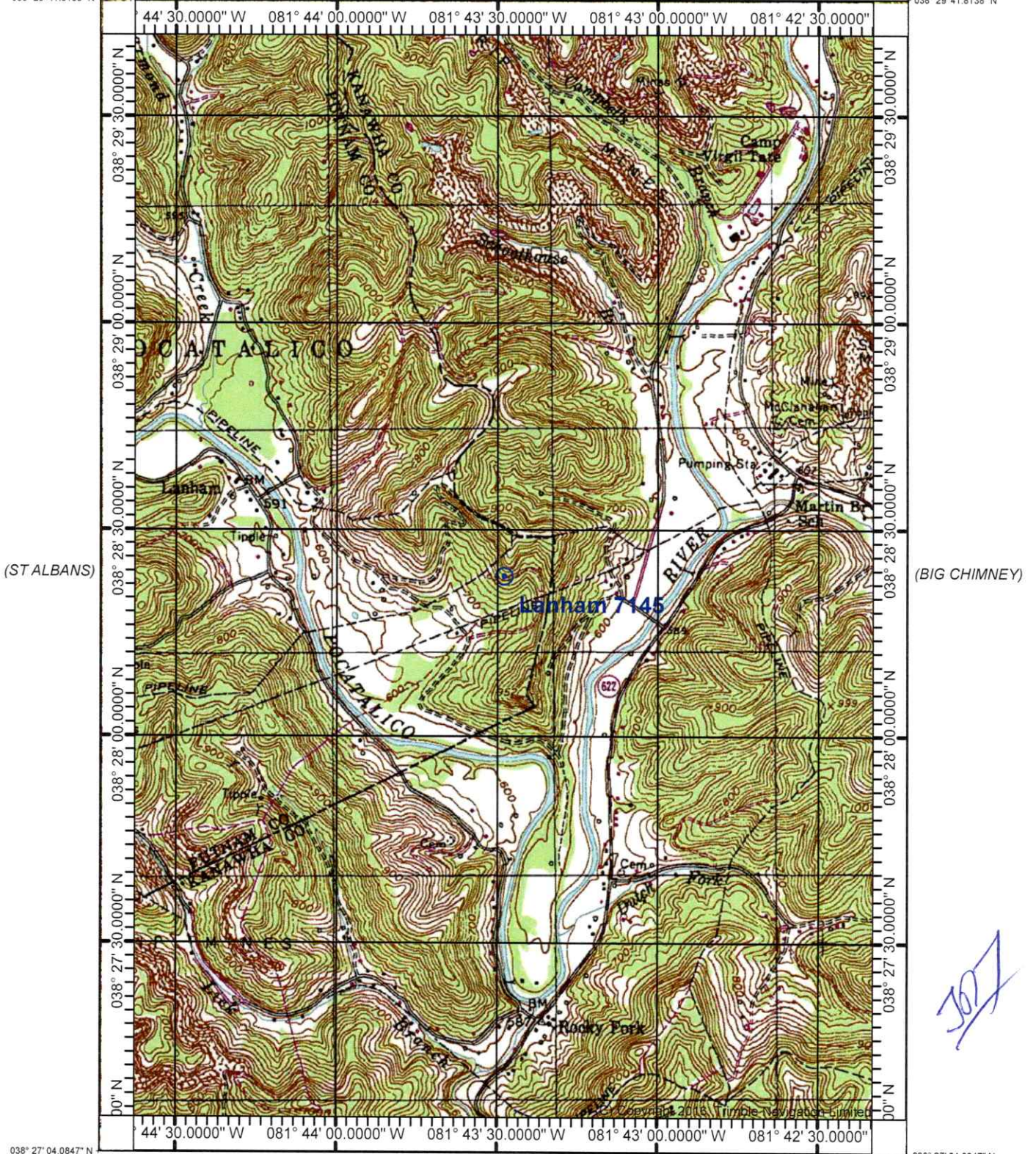
WELL TYPE: OIL ☐ GAS ☒ LIQUID INJECTION ☐ WASTE DISPOSAL ☐ 47 079 00261  
(IF "GAS") PRODUCTION ☐ STORAGE ☒ DEEP ☐ SHALLOW ☒ STATE COUNTY PERMIT  
LOCATION: ELEVATION 836.8' WATER SHED POCOTALICO RIVER  
DISTRICT POCA COUNTY PUTNAM  
QUADRANGLE POCOTALICO, WV  
SURFACE OWNER KEVIN L. & PAMELA J. IRVINE ACREAGE 67.91  
OIL & GAS ROYALTY OWNER REBA V. CELENDIN, ET. AL.  
LEASE ACREAGE 147 LEASE NO. 1047902-000

PROPOSED WORK: DRILL ☐ CONVERT ☐ DRILL DEEPER ☐ REDRILL ☐ FRACTURE ☐  
STIMULATE ☒ PLUG OFF OLD FORMATION ☐ PERFORATE NEW FORMATION ☐  
OTHER PHYSICAL CHANGE IN WELL (SPECIFY) 01/16/2026  
PLUG AND ABANDON ☐ CLEAN OUT AND REPLUG ☐

TARGET FORMATION ORISKANY Bigline ESTIMATED DEPTH 1940  
WELL OPERATOR COLUMBIA GAS TRANSMISSION, LLC DESIGNATED AGENT MARIA MEDVEDEVA  
ADDRESS PO BOX 1273, CHARLESTON, WV ADDRESS 1700 MACCORKLE AVE., S.E.  
25325-1273 CHARLESTON, WV 25314



(SISSONVILLE)

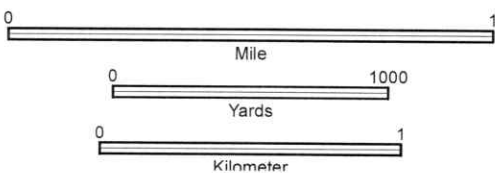


(ALUM CREEK) Declination  
GN 0.45° W  
MN 7.71° W  
(CHARLESTON WEST) SCALE 1:24000  
Printed: Wed Jun 19, 2024  
(CHARLESTON EAST)

Produced by Trimble Terrain Navigator Pro  
Topography based on USGS 1:24,000  
Maps

North American 1983 Datum (NAD83)

To place on the predicted North American  
1927 move the projection lines 10M N and  
13M E



CONTOUR INTERVAL 20 FT

38081-D5-TM-024  
POCATALICO, WV  
JAN 1, 1999

OCT 20 16/2026

WV Department of  
Environmental Protection




# WV DEP Reclamation Plan - Overview

Lanham well 7145 (API 47-079-00261)

- BMPs and erosion control devices to be utilized per WV DEP guidelines and
- Columbia's WV Environmental Construction Standards
- Existing drainage, culverts, and road ditches to be maintained
- Minor grading and surface material to be applied as needed

## Legend

 Lanham - 07145

01/16/2026

Office Of Oil and Gas  
OCT 28 2025  
WV Department of  
Environmental Protection

10/1



Google Earth

Image © 2025 Airbus





# WV DEP Reclamation Plan - Site Detail

Lanham well 7145 (API 47-079-00261)

- BMPs and erosion control devices to be utilized per WV DEP guidelines and Columbia's WV Environmental Construction Standards
- Existing drainage, culverts, and road ditches to be maintained
- Minor grading and surface material to be applied as needed

## Legend

-  Lanham - 07145
-  LM 7145 CWA

01/16/2026

Office Of Oil and Gas

OCT 28 2025

WV Department of  
Environmental Protection

*[Handwritten signature]*  
10-10-25

Existing access road

Lanham - 07145

~0.25 acres

Limit of Proposed  
Disturbance on  
existing well site

Google Earth

200 ft





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

---

## Well work permit issued 4707900261

1 message

---

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

Thu, Jan 8, 2026 at 2:12 PM

To: Maria Medvedeva <maria\_medvedeva@tcenergy.com>, Joseph D Taylor <joseph.d.taylor@wv.gov>, gwarner@wvassessor.com

To whom it may concern, a re work permit has been issued for 4707900261.

--

***James Kennedy***

Environmental Resource Specialist III / Permitting

WVDEP Office of Oil and Gas

601 57<sup>th</sup> Street, SE

Charleston, WV 25304

304-926-0499 ext. 45025

[james.p.kennedy@wv.gov](mailto:james.p.kennedy@wv.gov)



**4707900261.pdf**

5724K

01/16/2026