



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, September 25, 2026
WELL WORK PERMIT
Vertical / Re-Work

COLUMBIA GAS TRANSMISSION, LLC
1700 MACCORKLE AVENUE SE

CHARLESTON, WV 25314

Re: Permit approval for COCO B 7229
47-039-01616-00-00

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.

A handwritten signature in black ink, reading "Jason Harmon".

H. Jason Harmon
Chief

Operator's Well Number: COCO B 7229
Farm Name: MORTON, FREDA M.
U.S. WELL NUMBER: 47-039-01616-00-00
Vertical Re-Work
Date Issued: 9/25/2026

Promoting a healthy environment.

09/25/2026

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. 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 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.



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

Ms. Patricia Jo Morton Ranson
906 Teague Circle
Sugarland, TX 77478

9/25/2026

Re: Surface Owner Comments for Coco B 7229, API # 47-039-01616

Ms. Ranson,

The Office of Oil and Gas (OOG) has completed its review of the above referenced permit application submitted by Columbia Gas Transmission, LLC, and reviewed your comment regarding this application. This application is limited to work on an existing well. No new well will be drilled in relation to this work. As such, OOG will be issuing this permit today.

For your information and convenience, I am including with this letter a copy of the permit as issued.

Please contact Taylor Brewer at (304) 926-0499, extension 41108 if you have questions.

Sincerely,

A handwritten signature in blue ink, appearing to read "Taylor Brewer", is written over a faint, illegible printed name.

Taylor Brewer
Assistant Chief, Permitting
WV DEP Office of Oil & Gas

August 18, 2026

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

REF: Letter dated August 11, 2026

The cover letter Indicates Columbia Gas Transmission, LLC is applying for a permit to WV Department of Environmental Protection – Office of Oil and Gas, to work on an existing Underground natural gas storage well located on property owned by me. I also was provided a copy of all applicable permit application forms for my review. I have reviewed and understand that work will be done on existing well. ID Coco B 7229

REF: WW-2B1
(5-12)

Well No. Coco B 7229

I have reviewed all pages included with this letter and do not understand the following which reads:

The well operator named below is preparing to file for a permit from the state to DRILL A NEW WELL. I do OBJECT to drilling a new well, so please clarify.

Patricia Jo Morton Ranson

Patricia Jo Morton Ranson

Attachments:2

RECEIVED
Office of Oil and Gas

AUG 25 2026

WV Department of
Environmental Protection

09/25/2026

WW-2B1
(5-12)

Well No. Coco B 7229

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 contractor 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.

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WV Department of
Environmental Protection

09/25/2026

Columbia Gas Transmission, LLC
1700 MacCorkle Ave., SE, Charleston, WV, USA 25314



2026, August 11th

Ranson Patricia Jo Morton
906 Teague Cir
Sugarland, TX 77478

Columbia Gas Transmission, LLC is applying for a permit to the WV Department of Environmental Protection – Office of Oil and Gas, to work on an existing underground natural gas storage well located on property owned by you. As reference, the field and well ID is Coco B 7229 (API 47-039-01616).

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,

A handwritten signature in black ink, appearing to read "Maria Medvedeva", written over a horizontal line.

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

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Office of Oil and Gas

AUG 25 2026

WV Department of
Environmental Protection

4703901616

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

1) Well Operator: Columbia Gas Transmission, LLC Operator ID 307032 County Kanawha District Elk Quadrangle Blue Creek, WV

2) Operator's Well Number: Coco B 7229 3) Elevation: 757.9

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

5) Proposed Target Formation(s): Oriskany Proposed Target Depth: 5157

6) Proposed Total Depth: 5157 Feet Formation at Proposed Total Depth: Oriskany

7) Approximate fresh water strata depths: 70', 457' /

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 coil tubing cleanout and acid stimulate well.

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						
Fresh Water	13-3/8		48		328	no record
Coal						
Intermediate	10-3/4		40.5		1583	500 sx
Production	5-1/2		15.5		5004	750 sx
Production	3-1/2	J-55	9.2		5153	75 sx
Production						

Packers: Kind: _____

Sizes: _____

Depths Set _____

09/25/2026

WW-2A
(Rev. 6-14)

1.) Date: _____
2.) Operator's Well Number Coco B 7229
State County Permit
3.) API Well No.: 47- 039 01616

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 Ranson Patricia Jo Morton
Address 906 Teaque Cir
Sugarland, TX 77478
(b) Name _____
Address _____
(c) Name _____
Address _____
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 _____
6) Inspector Terry Urban
Address PO Box 1207
Clendenin, WV 25045
Telephone 304-549-5915

TO THE PERSONS NAMED ABOVE TAKE NOTICE THAT:

Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas
OR
☒ 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)
☒ 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 11th day of August, 2026

Notary Public

My Commission Expires 9-25-2030

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

09/25/2026

Columbia Gas Transmission, LLC

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

2026, August 11th

Ranson Patricia Jo Morton
906 Teague Cir
Sugarland, TX 77478

Columbia Gas Transmission, LLC is applying for a permit to the WV Department of Environmental Protection – Office of Oil and Gas, to work on an existing underground natural gas storage well located on property owned by you. As reference, the field and well ID is Coco B 7229 (API 47-039-01616).

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

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

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

Sugar Land, TX 77478

Certified Mail Fee \$5.55

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

☐ Return Receipt (hardcopy)	\$10.00
☐ Return Receipt (electronic)	\$6.00
☐ Certified Mail Restricted Delivery	\$6.00
☐ Adult Signature Required	\$6.00
☐ Adult Signature Restricted Delivery	\$10.00

Postage \$12.90

Total Postage and Fees \$23.10

Sent To Ranson Patricia Jo Morton

Street and Apt. No., or PO Box No.

City, State, ZIP+4® CB 7229

Postmark: AUG 11 2026, CHARLESTON WV 25304

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

SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
■ Complete items 1, 2, and 3. ■ Print your name and address on the reverse so that we can return the card to you. ■ Attach this card to the back of the mailpiece, or on the front if space permits.		A. Signature <u>Ranson Patricia Jo Morton</u> ☐ Agent ☐ Addressee B. Received by (Printed Name) _____ C. Date of Delivery _____ D. Is delivery address different from item 1? ☐ Yes If YES, enter delivery address below: ☐ No	
1. Article Addressed to: <u>Ranson Patricia Jo Morton</u> <u>906 Teague Cir.</u> <u>Sugarland, TX 77478</u>		3. Service Type ☐ Adult Signature ☐ Adult Signature Restricted Delivery ☐ Certified Mail® ☐ Certified Mail Restricted Delivery ☐ Collect on Delivery ☐ Delivery Restricted Delivery ☐ Registered Mail Express® ☐ Registered Mail™ ☐ Registered Mail Restricted Delivery ☐ Signature Confirmation™ ☐ Signature Confirmation Restricted Delivery	
2. Article Number (Transfer from mailpiece) <u>7022 2410 0002 6396 3287</u>			

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WV Department of
Environmental Protection

09/25/2026

SURFACE OWNER WAIVER

County Kanawha

Operator

Columbia Gas Transmission LLC

Operator well number

Coco B 7229

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 57th St. SE
Charleston, WV 25304
(304) 926-0450

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Office of Oil and Gas
SEP 08 2026

Time Limits and methods for filing comments. The law requires these materials to be served on you 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 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.

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

09/25/2026

WW-2A Coal Waiver

COAL OPERATOR, OWNER, OR LESSEE WAIVER

* coal not operated

County Kanawha

Operator Columbia Gas Transmission LLC

Operator's Well Number Coco B 7229

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 57th St. SE
Charleston, WV 25304
(304) 926-0499 extension 1654

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Office of Oil and Gas

WAIVER

SEP 08 2026

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.

_____	Date _____	Company Name _____	_____
Signature		By _____	_____
		Its _____	Date _____
		Signature _____	Date _____

09/25/2026

**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
LUCILLE JARRETT, CHARLES E PAULEY, MARIE JARRETT	United Fuel Gas Company	Storage Lease -	989 / 51
HOGUE, WENDELL W HOGUE, FRANCES JARRETT WHITE		1049098-000	
AND JANIE JARRETT			

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

WV Department of
Environmental Protection

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

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

[Signature]
8-14-26

09/25/2026

WW-2B1
(5-12)

Well No. Coco B 7229

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 contractor chosen to collect sample.

Certified Laboratory Name _____
Sampling Contractor _____

REGISTRATION
OFFICE OF OIL & GAS

SEP 08 2026

Well Operator Not applicable - existing underground natural gas storage well

Address _____

WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

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.

09/25/2026

WW-9
(5/16)

API Number 47 - 039 - 01616
Operator's Well No. Coco B 7229

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) Pinch Creek Quadrangle Blue Creek, 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 ☒ N/A

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, KCl, HCl

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. N/A

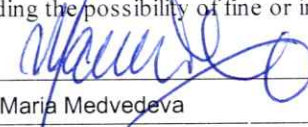
-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) N/A

-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 
Company Official (Typed Name) Maria Medvedeva
Company Official Title Senior Wells Engineer Storage Technical Services

RECEIVED
Office of Oil and Gas

SEP 08 2026

WV Department of
Environmental Protection

Subscribed and sworn before me this 11th day of August, 2026

My commission expires 9-25-2030

Notary Public



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 Mixtures

Temporary		Permanent	
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: [Signature]

Comments: _____

REGULATORY
Office of Oil and Gas

SEP 08 2026

WW Department of
Environmental ProtectionTitle: Inspector Debbie Gas Date: 8-14-26Field Reviewed? (☒) Yes (☐) No

09/25/2026

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): Pinch Creek

Quad: Blue Creek, WV

Farm Name: Matt Amos, 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.

Pinch Creek is at a distance of 0.17 miles NE.

The Trail Kitchen WV9908037 is the closest Well Head Protection Area at a distance of 11.6 miles E from discharge area.

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

N/A

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OFFICE OF OIL AND GAS

SEP 08 2026

WV Department of
Environmental Protection

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

09/25/2026

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.

REGULATORY
Office of Oil and Gas
SEP 08 2026

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

WV Department of
Environmental Protection

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.

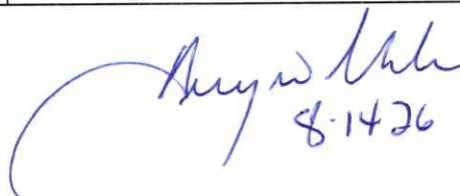
Signature: _____

Date: 08/11/2026

August 11th
8-14-26

09/25/2026

WELL JOB PLAN				STS Well Engineering & Technology				PAGE 1		DATE JOB PREPARED: 1/31/2025			
Objective: Deliverability restoration										WORK TYPE:			
TITLE: CTCO										WORK TYPE: Deliverability Restoration			
FIELD: Coco B				WELL ID: 7229				LEASE #: 49098					
STATE: WV				SHL (Lat/ Long)		38.41361 -81.475		API: 47-039-01616-0000					
DIST/TWP: Elk				BHL (Lat/Long)		38.41361 -81.475		CNTY: Kanawaha					
EXISTING TUBULAR CONFIGURATION		OD (inches)	WEIGHT (PPF)	GRADE	THREAD	DEPTH (ft)		WELLLINE #: X52BW7229					
						TOP	BOTTOM	FORMATION	NOTES	TOP (ft)	BOTTOM (ft)		
Conductor								Sand	W 70, 457'	453	500		
Surface		13 3/8	48.0			0	328	Maxon		1439	1452		
Intermediate		10 3/4	40.5			0	1583	Little Lime		1452	1495		
Production		5 1/2	15.5			0	5004	Big Lime	G / O 1660'	1524	1655		
Production		3 1/2	9.2	J-55	10rd NUE	0	5153	Injun		1702	1723		
Tubing								Weir		1826	1919		
Perforations		5097 - 5112 6 spf 60 deg phasing						Slate/Shells			1919	3750	
Wellhead		API 5K, 10.75 x 5.5 x 3.5. 3.5" 10rd wellhead connection. Set slips on 3.5" csg with 40k lbs						Shale			3750	4969	
								Corniferous			4969	5080	
								Oriskany		G	5080	5115	
								TD			5157	5157	
CEMENT INFO							Calc TOC (ft)	ELEVATIONS (ft)					
13 3/8	Unknown cement coverage						-	KB-GL:					
10 3/4	Cemented w/ 500 sx Class "A"						720	KB-RF:					
5 1/2	Cemented w/ 750 sx Class "A"						see log info below	GL:					
3 1/2	Cemented w/ 75 sx Class "A" (10% salt)						see log info below						
MISC INFORMATION							DIRECTIONAL WELL PROFILE (as applicable)						
REFER TO WELL SUMMARY RPT, WBD for Wellbore Schematic, ELOG, etc tabs in this workbook for additional information													
Kill Fluid Calculation * Note that kill fluid calculation tabs are hidden Maximum calculated bottom-hole pressure (reference only): 2074 psig * input Maximum storage field surface pressure (MAOP): 1800 psig * input Well TD: 5157 ft TVD * input Top of storage zone: 5080 ft TVD * input Calculated maximum BH pressure at top of zone: 2054 psig * output Kill Fluid (TOZ) Kill fluid density at top of zone @: 150 psi OB 8.34 ppg * output Kill Fluid (TOZ) Proposed depth of BP: 5080 ft TVD * input Calculated maximum BH pressure at depth of BP: 2054 psig * output Kill Fluid (BP) Kill fluid density at depth of BP @: 150 psi OB 8.34 ppg * output Kill Fluid (BP) Required minimum kill fluid density: 8.4 ppg * greater of the two													
Current AOF: 29,059 MCF/D Top historical AOF: 38,313 MCF/D Last MVRT: 09.28.1999 Baker MicroVertilog showed no joints greater than class 1 on the 5-1/2" casing. None available for 3-1/5" casing SBT: 09.28.1999 5-1/2" log shows poor cmt 4998 - 4674', good quality to 3615', poor to 3400', gap to 1600', good quality to 1438', partial to 1100'. 11.19.1999 3-1/2" log shows good quality 5108 - 4002', poor to 3930', good to 3848' and free pipe above.													
PROPOSED YEAR:		2027		ERCB PERMIT REQD:		YES___ NO_X___		(Internal) PDS Required: YES___ NO___					
PREPARED BY:		Maria Medvedeva		DT. APPLIED:		ISSUED:		APPROVED: Brent Criser					
PREP DATE:		1/31/2025											



8-14-26

09/25/2026

WELL JOB PLAN		STS Well Engineering & Technology		PAGE 2	DATE JOB PREPARED: 1/31/2025
Objective: Deliverability restoration				WORK TYPE:	
TITLE: CTCO					
FIELD: Coco B	WELL: 7229				
STAT: WV	SHL (Lat/Long):	38.41361 -81.475	API:	49098	
TWP: Elk	BHL (Lat/Long):	38.41361 -81.475	CNTY:	47-039-01616-0000	

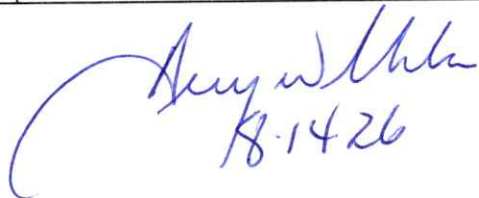
PROCEDURE

<i>Maintain communication with WVDEP Inspector during well operations to ensure compliance with WV Code.</i>

- 1 Obtain State well work permit, EM&CP, pipeline crossing evaluation, call before you dig, etc. Prepare site specific SPCC.
- 2 Notify landowner.
- 3 Issue the Work Permit(s).
- 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 1.25" CTU.**
- 11 Flow well. If well will not flow, unload with nitrogen.
- 12 Perform CTCO and 2000 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.
- 16 Reconnect well line.
- 17 Notify WET Project Support that well is back in-service.
- 18 Reclaim R&L.
- 19 Commission well by closing out the Work Permit(s). Complete the As-Built well record process.
- 20 Notify REG that well is ready for storage service.

OREGON
 Office of Oil and Gas
 SEP 08 2026
 WV Department of
 Environmental Protection

PREPARED BY: Maria Medvedeva	REVIEWED BY: James Amos	APPROVED: Brent Criser
PREP DATE: 1/31/2025		


 Amy White
 8-14-26

09/25/2026

Last Updated: 4/26/2024 12:02 PM



Field Name		Lease Name		Well No.
Coco B		Coco B - 07229		07229
County		State	API No.	
Kanawha		WV	47039016160000	
Version	Version Tag			
0 Current Completion				
G.L. (ft)	K.B. (ft)	Sec.	Township/Block	Range/Survey
5,157.0	5,157.0	70-63	Elk	030307229
Operator		Well Status	Latitude	Longitude
TransCanada		ACTIVE	38.4136	-81.475
Dist. N/S (ft)	N/S Line	Dist. E/W (ft)	E/W Line	Footage From
PropNum			Spud Date	Comp. Date
Matt Amos, Et Al			3/1/1954	
Additional Information				
Other1	Other2		Other3	Other4
Coco B	0303		030307229	
Prepared By		Updated By		Last Updated
				4/26/2024 12:02 PM

Hole Summary

Date	O.D. (in)	Top (MD ft)	Bottom (MD ft)	Comments
3/1/1954	17.500	0	328	
3/2/1954	14.750	0	1,583	
3/3/1954	7.875	0	5,004	
11/17/1999	4.750	0	5,153	

Tubular Summary

Date	Description	O.D. (in)	Wt (lb/ft)	Grade	Top (MD ft)	Bottom (MD ft)
3/1/1954	Casing	13.375	48.00		0	328
3/2/1954	Casing	10.750	40.50		0	1,583
3/3/1954	Casing	5.500	15.50		0	5,004
11/17/1999	Casing	3.500	9.20	J-55	0	5,153

Casing Cement Summary

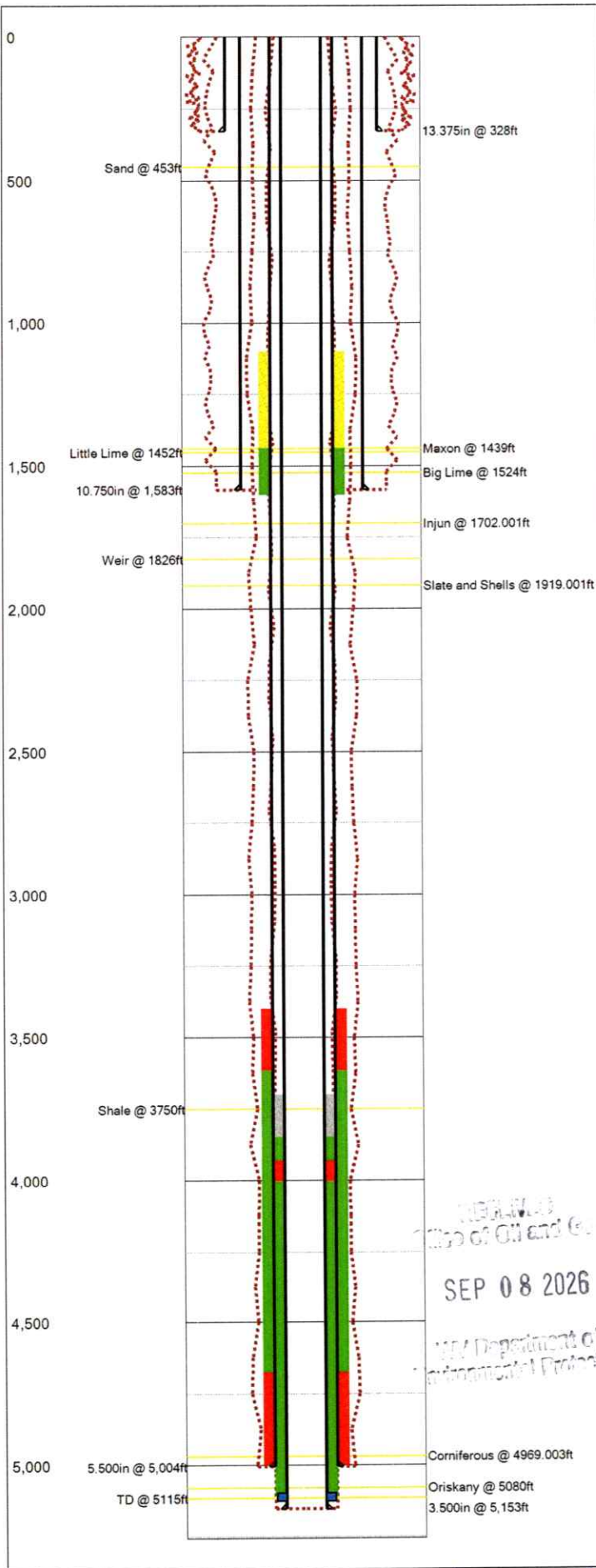
C	Date	No. Sx	Csg. O.D. (in)	Top (MD ft)	Bottom (MD ft)	Comments
	9/28/1999	0	5.500	1,100	1,438	Partial Quality
	9/28/1999	0	5.500	1,438	1,600	Good Quality
	9/28/1999	0	5.500	3,400	3,615	Poor Quality
	9/28/1999	0	5.500	3,615	4,674	Good Quality
	9/28/1999	0	5.500	4,674	4,998	Poor Quality
	11/19/1999	0	3.500	3,700	3,848	Free Pipe
	11/19/1999	0	3.500	3,848	3,930	Good Quality
	11/19/1999	0	3.500	3,930	4,002	Poor Quality
	11/19/1999	0	3.500	4,002	5,108	Good Quality

Perforation Summary

C	Date	Perf. Status	Formation	OA Top (MD ft)	OA Bottom (MD ft)
	12/9/1999	Open		5,097	5,112

Formation Tops Summary

Formation	Top (TVD ft)	Comments
Sand	453	Comments: Water-Y HF water @ 70' Comments: Water-Y HF Water @ 457'
Maxon	1,439	
Little Lime	1,452	
Big Lime	1,524	Comments: Gas 1618' Oil 1660'



United Fuel Gas Company
COMPANY

47-039-016167

SERIAL WELL NO. X-52-7229

LEASE NO. Land-40098

MAP SQUARE 70-63

RECORD OF WELL NO. X-52-7229 on the		CASING AND TUBING				TEST BEFORE SHOT	
		SIZE	WEIGHT	USED IN DRILLING	LEFT IN WELL		
Jerrett Reservation farm of 851.5 Acres						52	/10 of Water in 7 in
in Elk District		13-3/8	48#	477'	336'		/10 of Merc. in in
Kanawha County		10-3/4	40.5#	1703'	1583'	Volume	3,110,000 Cu.
State of: West Virginia		5-1/2	15.5#	5234'	5047'	TEST AFTER SHOT	
Field: Clendenin		2-3/8	4.6#	7017'	5131'	Not Shot	/10 of Water in in
Rig Commenced	19						/10 of Merc. in in
Rig Completed	19					Volume	Not Shot Cu.
Drilling Commenced	9/28 1952						Hours After Sh
Drilling Completed	3/10 1954					Rock Pressure	36-lr. 770'
Drilling to cost	per foot					Date Shot	Not Shot
Contractor is: Drake Drilling Company						Size of Torpedo	
Address: 701 United Building						Oil Flowed	bbbls. 1st 24 hrs
						Oil Pumped	bbbls. 1st 24 hrs
Driller's Name Harold Knight						Well abandoned and	
Alva Yoak						Plugged	19
Elevation: 811.04							

DRILLER'S RECORD

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Sand and Gravel	0	21		
Sand	21	40		
Slate	40	45		
Sand	45	100		Hole full of water at 70 ft.
Slate	100	137		
Sand	137	167		
Slate	167	180		
Sand	180	255		
Slate	255	324		
Sand	324	424		
Slate and shells	424	453		
Sand	453	500		Hole full of water at 457 ft.
Slate and Shells	500	555		
Sand	555	580		
Slate and Shells	580	665		
Sand	665	705		
Slate and Shells	705	720		

09/25/2026

SERIAL WELL NO. X-52-7229

LEASE NO. 1-51-5508

MAP SQUARE 70-63

DRILLER'S RECORD

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Sand	720	765		
Slate and Shells	765	826		
Sand	826	860		
Slate	860	862		
Sand	862	1052		
Slate and Shells	1052	1092		
Sand	1092	1308		
Slate	1308	1320		
Lime	1320	1360		
Slate and Shells	1360	1395		
Lime	1395	1439		
Maxon Sand	1439	1452		
Little Lime	1452	1495		
Pencil Cave	1495	1500		
Lime	1500	1507		
Pencil Cave	1507	1512		
Lime	1512	1518		
Pencil Cave	1518	1524		
Big Lime	1524	1655		Gas at 1618, no test.
Sand	1655	1690		Oil at 1660, no test.
Slate	1690	1702		
Red Injin	1702	1723		
Slate	1723	1760		
Sand	1760	1785		
Slate	1785	1826		
Weir Sand	1826	1919		
Slate and Shells	1919	3750		Reduced hole at 2072 ft. from 10 in. to 6 in.
Brown Shale	3750	4055		
Slate	4055	4625		
Brown Shale	4625	4872		
Black Shale	4872	4969		
Lime	4969	5080		
Sand	5080	5115		Show of gas at 5087 ft. Gas at 5103 ft still paying. Blowed open for app. 2 in.
Total Depth		5115		Gas pay from 5103 to 5114'. Open flow water 52/10 in 7 in. 23 lb.

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas
Well Operator's Report of Well Work

Farm name: MORTON, FRED A. M.

Operator Well No.: COCO B 7229

LOCATION: Elevation: 760.00 Quadrangle: BLUE CREEK

District: ELK

County: KANAWHA

Latitude: 1200 Feet South of 38 Deg. 25Min. 0 Sec.

Longitude 4825 Feet West of 81 Deg. 27 Min. 30 Sec.

Company: COLUMBIA GAS TRANSMISSION
P. O. BOX 1273
CHARLESTON, WV 25325-1273

Agent: RICHARD L. COTY

Inspector: CARLOS HIVELEY

Permit Issued: 08/31/99

Well work Commenced: 9-20-99

Well work Completed: 12-10-99

Verbal Plugging

Permission granted on:

Rotary Cable ☒ Rigs

Total Depth (feet) 5157'

Fresh water depths (ft) 70, 457'

Salt water depths (ft)

NOT REPORTED

Is coal being mined in area (Y/N)? No

Coal Depths (ft): NOT REPORTED

Casing & Tubing	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
Size			
13 3/8", 43.0'		328'	
10 3/4", 40.5'		1503'	500 SK
8 1/2", 15.5'		5004'	750 SK
5 1/2", 9.2'		5158'	75 SK

OPEN FLOW DATA * STORAGE WELL - RATES AND PRESSURE VARY

Producing formation DELFORD (STORAGE) Pay zone depth (ft) 5097'-5112'
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow 111 MCF/d Final open flow N/A 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

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.

For: COLUMBIA GAS TRANSMISSION CORP.

By: _____

Date: _____

SEP 08 2026

09/25/2026

POULLED 5116' OF 2 $\frac{3}{8}$ " TUBING, DRILLED NEW 4 $\frac{3}{4}$ " HOLE 5116' - 5157';
INSTALLED NEW API EM WELLHEAD, RAN 5153' OF 3 $\frac{1}{2}$ ", 9.2 LB J-55 TUBING
AND CEMENTED W/ 75 OX CLASS "A" CEMENT, PERFORATED ORISKANY
5097' - 5112' W/ 6 SPF, AND PUMPED AN N₂-ASSIST DELTAFRAC
TREATMENT USING 500 GALS 28% HEL, 442 BOLS WATER, 113 MCF
N₂, AND 21,600 LBS 20/40 SAND @ 1-4 PPG.

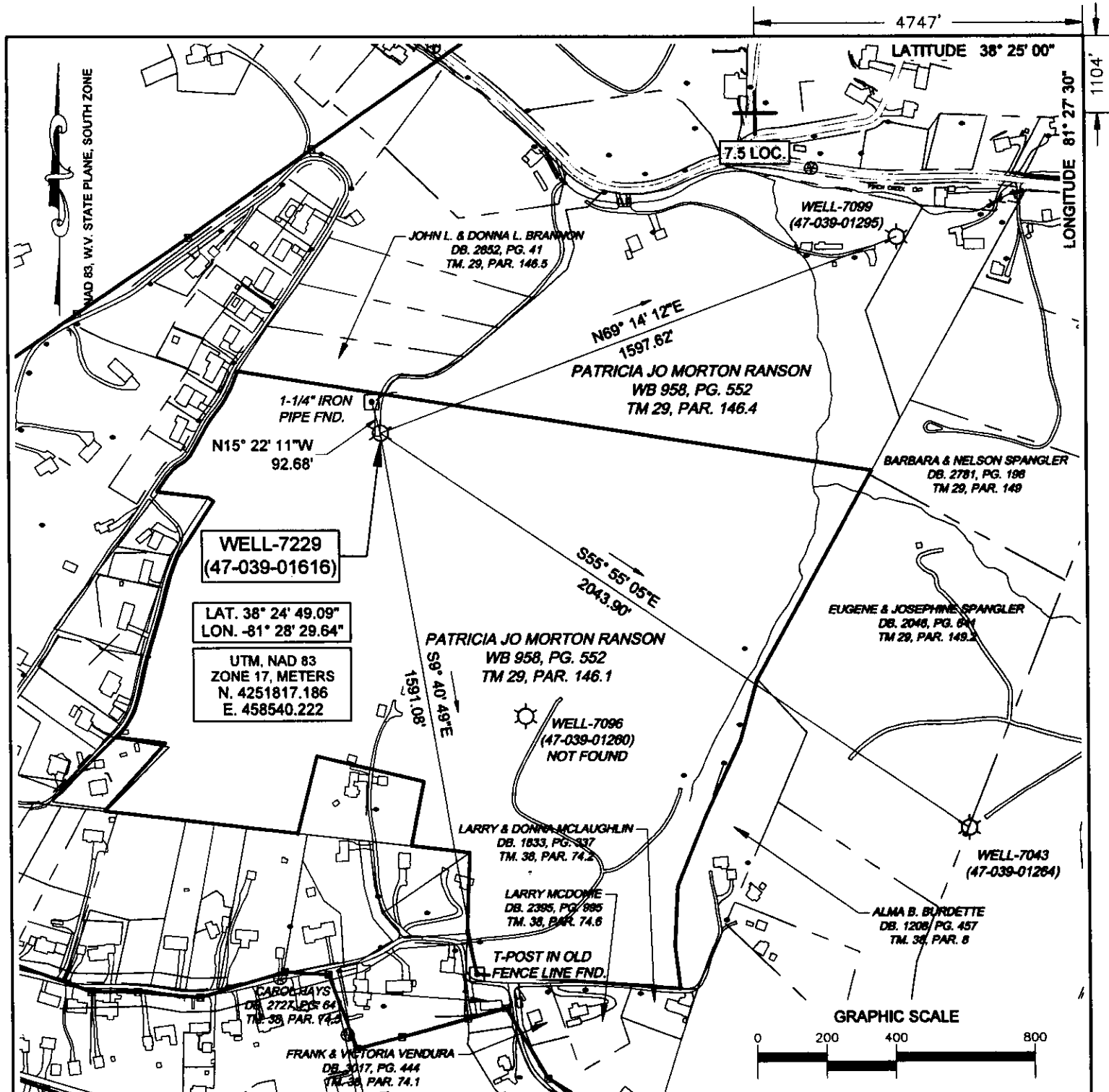
Angus L. L. L.
8-14-26

U.S. DEPARTMENT OF
INTERIOR

SEP 08 2026

U.S. DEPARTMENT OF
INTERIOR

09/25/2026

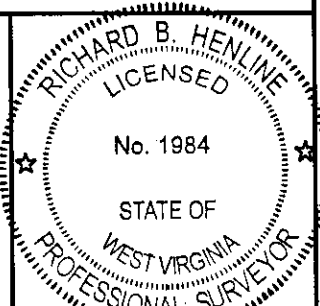


(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE No 2501-3079-001-002
DRAWING No. COCO B 7229
SCALE 1"=400'
MINIMUM DEGREE OF ACCURACY 1:200
PROVEN SOURCE OF ELEVATION TRIMBLE R10 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 REGULATIONS ISSUED AND PRESCRIBED BY THE DIVISION OF ENVIRONMENTAL PROTECTION.

(SIGNED) *Richard B. Henline*
RICHARD B. HENLINE PS #1984



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



DATE AUGUST 5 2026
OPERATOR'S WELL No. 7229
API WELL No.

WELL TYPE: OIL ☐ GAS ☒ LIQUID INJECTION ☐ WASTE DISPOSAL ☐ STATE 47 COUNTY 039 PERMIT 01616
(IF "GAS") PRODUCTION ☐ STORAGE ☒ DEEP ☐ SHALLOW ☐

LOCATION: ELEVATION 757.9' WATER SHED PINCH CREEK
DISTRICT ELK COUNTY KANAWHA
QUADRANGLE BLUE CREEK, WV

SURFACE OWNER PATRICIA JO MORTON RANSON ACREAGE 18.56
OIL & GAS ROYALTY OWNER LUCILLE JARRETT, ET AL

LEASE ACREAGE 62.2 LEASE NO. 1049098-000

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

TARGET FORMATION ORISKANY ESTIMATED DEPTH 5157
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

(ROMANCE)



081° 28' 21.4278" W
038° 25' 01.6223" N

(KETTLE)

BLUE CREEK QUADRANGLE
WEST VIRGINIA
TOPOGRAPHIC SERIES

(CLIO)

081° 26' 03.0615" W
038° 25' 01.6223" N

(BIG CHIMNEY)

(CLEDENIN)

SEP 08 2026

(MAMMOTH)

(CHARLESTON
EAST)

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

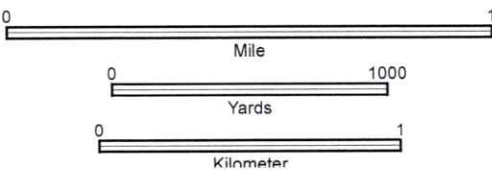
North American 1983 Datum (NAD83)

To place on the predicted North American
1927 move the projection lines 11M N and
14M E

Declination

GN 0.28° W
MN 7.88° W

SCALE 1:24000



CONTOUR INTERVAL 20 FT

38081-D3-TM-024
BLUE CREEK, WV
JAN 1, 1977

09/25/2026

WV DEP Reclamation Plan - Overview

Coco B well 7229 (API 47-039-01616)

- 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

⊙ Coco B - 07229



WV Department of Environmental Protection
Office of Oil and Gas

SEP 08 2026

WV Department of
Environmental Protection

WV DEP Reclamation Plan - Overview

Coco B well 7229 (API 47-039-01616)

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- Minor grading and surface material to be applied as needed

Legend

- Coco B - 07229
- CWA CB 7229

Existing access road

Limit of Proposed Disturbance
on existing well site

~0.25 acre

Coco B - 07229

Google Earth

Image U.S. Geological Survey

200 ft

N

DEPARTMENT OF
ENVIRONMENTAL PROTECTION

SEP 08 2026

WV Department of
Environmental Protection

Columbia Gas Transmission, LLC

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



2026, September 8th

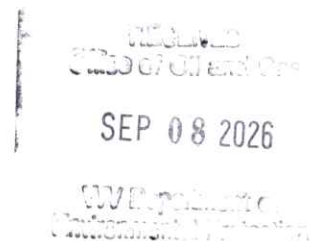
WV DEP – Office of Oil & Gas
601 57th Street, SE
Charleston, WV 25304-2345

Enclosed are well work permit applications for the following Columbia Gas Transmission existing storage wells:

Coco A 7077 (API 47-039-01236)
Coco B 7229 (API 47-039-01616)
Lanham 7126 (API 47-039-00264)
Ripley 7286 (API 47-035-00512)
Ripley 7301 (API 47-035-00526)
Ripley 7304 (API 47-035-00489)
Ripley 7344 (API 47-035-00918)
Ripley 12413 (API 47-035-02462)

Please email to address below, and return hardcopies of permits to:

Columbia Gas Transmission
1700 MacCorkle Ave SE
Charleston, WV 25314
Attn: Maria Medvedeva



If you have questions, feel free to call.

Regards,

A handwritten signature in blue ink, appearing to read "Maria Medvedeva", written over a horizontal line.

Maria Medvedeva
Senior Wells Engineer
Well Engineering & Technology
Columbia Gas Transmission, LLC
Mob: 304-410-4313
maria_medvedeva@tcenergy.com

www.tcenergy.com

09/25/2026



Samples, Casey M <casey.m.samples@wv.gov>

TC Energy 2027 project programs for permitting

3 messages

Maria Medvedeva <maria_medvedeva@tcenergy.com>

Tue, Sep 8, 2026 at 11:58 AM

To: "Samples, Casey M" <casey.m.samples@wv.gov>

Cc: "McLaughlin, Jeffrey W" <jeffrey.w.mclaughlin@wv.gov>, Renae D Whitlock <renae.d.whitlock@wv.gov>

Good afternoon Casey,

The following projects are scheduled for the 2027 well workover program. The permit application fees are listed on the right side of the table and will need to be processed by credit card. Company and card information is listed below. Please give me a call when its convenient for you to process these payments. The permit packets have been dropped off at the front desk of the Charleston WVDEP Office of Oil and Gas just now.

Company – TC Energy (Legacy Columbia Gas Transmission)

Designated Agent – Maria Medvedeva

Billing Address – 1700 MacCorkle Ave SE, Charleston WV 25314

Contact Number – 304 – 410 – 4313

Contact email – maria_medvedeva@tcenergy.com

\$5,600

STORAGE FIELD	WELL NUMBER	CONCISE SCOPE	API Permit #	Amount for payment
Coco A	7077	HRVRT cased hole log, coil cleanout and acid stimulation, if needed frac openhole	47-039-01236-0000	\$800
Coco B	7229	Coil cleanout and acid stimulation	47-039-01616-0000	\$800
Lanham	7126	Plug and abandon OB well	47-079-00264-0000	Not required
Ripley	7286	FWW, coil cleanout and acid stimulation	47-035-00512-0000	\$800
Ripley	7301	Coil cleanout and acid stimulation, HRVRT cased hole log	47-035-00526-0000	\$800
Ripley	7304	Coil cleanout and acid stimulation	47-035-00489-0000	\$800
Ripley	7344	Freshwater wash, coil cleanout and acid stimulation	47-035-00918-0000	\$800
Ripley	12413	HRVRT cased hole log, reperforate, coil cleanout and acid stimulation, if needed refrac	47-035-02462-0000	\$800

Maria (Masha) Medvedeva

Senior Wells Engineer – Well Engineering & Technology

Gas Storage

maria_medvedeva@tcenergy.com

M: +1-304-410-4313



1700 MacCorkle Ave SE
Charleston, WV 25314

TCEnergy.com

TC Energy
maria - medvedeva @tcenergy.com
304-410-4313

09/25/2026

Casey,

Good afternoon, \$150 of each fee will go to the funding below:

3322/9254/6869/0000

The remainder of each fee will go to the funding below:

3323/9280/6869/0000

Thank you,
Rena

[Quoted text hidden]

\$5600
total

\$1050

3322-0000-0313-9254-6869-0000

\$4550

3323-0000-0313-9280-6869-0000

WV Dept of Env. Prot.
601 57th St SE
Charleston, WV 25304
304-926-0499

WV Dept of Env. Prot.
601 57th St SE
Charleston, WV 25304
304-926-0499

SALE

REF#: 00000033
Bank ID: 000000
Batch #: 1549 RRN: 751313650752
09/08/26 14:05:53
AVS: Z CVC: M
Invoice #: WELLS

APPR CODE: 09289S
VISA Manual CP
*****4694 **/**

AMOUNT \$2,800.00

APPROVED

SIGNATURE NOT REQUIRED

I AGREE TO PAY ABOVE TOTAL AMOUNT
IN ACCORDANCE WITH CARD ISSUER'S
AGREEMENT
(MERCHANT AGREEMENT IF CREDIT VOUCHER)
RETAIN THIS COPY FOR STATEMENT
VERIFICATION

Thank You
Please Come Again

MERCHANT COPY

SALE

REF#: 00000032
Bank ID: 000000
Batch #: 1549 RRN: 251039550709
09/08/26 14:05:09
AVS: Z CVC: M
Invoice #: WELLS

APPR CODE: 04647S
VISA Manual CP
*****4694 **/**

AMOUNT \$2,800.00

APPROVED

SIGNATURE NOT REQUIRED

I AGREE TO PAY ABOVE TOTAL AMOUNT
IN ACCORDANCE WITH CARD ISSUER'S
AGREEMENT
(MERCHANT AGREEMENT IF CREDIT VOUCHER)
RETAIN THIS COPY FOR STATEMENT
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Thank You
Please Come Again

MERCHANT COPY

09/25/2026