



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

Tuesday, August 2, 2022
WELL WORK PERMIT
Vertical / Re-Work

EASTERN GAS TRANSMISSION AND STORAGE, INC
925 WHITE OAKS BOULEVARD
BRIDGEPORT, WV 26330

Re: Permit approval for BW1661
47-033-00173-00-00

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.

James A. Martin
Chief

Operator's Well Number: BW1661
Farm Name: RHODES, A. W.
U.S. WELL NUMBER: 47-033-00173-00-00
Vertical Re-Work
Date Issued: 8/2/2022

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.

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

1) Well Operator: Eastern Gas Transmission and Storage, Inc. 307048 Harrison Union West Milford
Operator ID County District Quadrangle

2) Operator's Well Number: BW-1661 3) Elevation: 991'

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

SDW
6/27/22

5) Proposed Target Formation(s): Gantz Proposed Target Depth: 1595'

6) Proposed Total Depth: 1595' Feet Formation at Proposed Total Depth: Gantz

7) Approximate fresh water strata depths: 20'

8) Approximate salt water depths: No Record

9) Approximate coal seam depths: 90'-92'

10) Approximate void depths, (coal, Karst, other): NA

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

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12) Describe proposed well work and fracturing methods in detail (attach additional sheets if needed)
 Squeeze 7" csg, Run new 4-1/2" csg and cement to surface.

TO SURFACE

13) **CASING AND TUBING PROGRAM**

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft	For Drilling	Left in Well	
Conductor	10-3/4		34	231'	231'	Existing
Fresh Water	8-5/8"		24	779'	779'	Existing
Coal						
Intermediate	7"	K-55	20	1467'	1467'	Existing
Production	4-1/2"	K-55	11.6	1460'	1460'	CTS
Tubing						
Liners						

Packers: Kind: Formation Packer Shoe
 Sizes: 4-1/2"
 Depths Set Approx. 1460'



4703300173W

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Permit No. HAR 173 R **WELL RECORD** Re drill Gas
Oil or Gas Well Gas (WIND)

Company Hope Natural Gas Company
Address 445 West Main St., Clarksburg, W. Va.
Farm A. W. Rhodes Acres 230
Location (waters) _____
Well No. 1661 Elev. 991
District Union, County Harrison
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by _____
Address _____
Drilling commenced _____
Drilling completed 1926 2/2/53
Date Shot _____ From _____ To _____
With _____
Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
Volume purchased Gantz Storage Well Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.
Fresh water _____ feet
Salt water _____ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13	235	235	
10	485	485	Size of
8 1/4	779	779	
6 1/2	1167	1167	Depth set
5 3/16			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

8" casing cemented to 470' Gelled to surface
CASING CEMENTED SIZE No. Ft. Date
7" cemented to 779'
COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Well was re-drilled							
			to depth of	1595			
Gantz Ray showed Gantz sand			1518	1548			
Original depth				2800			
Abandoned Sept. 13 1928							



(Over)

WW-2A
(Rev. 6-14)

1.) Date: 12/1/21
2.) Operator's Well Number BW-1661
State County Permit
3.) API Well No.: 47- 033 - 00173-R

**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 HG Energy Appalachia
Address 5260 Dupont Rd
Parkersburg, WV 26101
(b) Name _____
Address _____
(c) Name _____
Address _____
6) Inspector _____
Address _____
Telephone _____
5) (a) Coal Operator
Name _____
Address _____
(b) Coal Owner(s) with Declaration
Name John E. Corkrean & Marv Corkrean
Address 9530 Mid Summer Lane
Leesburg, FL 34788-3698
(c) Coal Lessee with Declaration
Name _____
Address _____

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 Eastern Gas Transmission and Storage, Inc.
By: John M. Love
Its: Director of Storage
Address: 925 White Oaks Blvd.
Bridgeport, WV 26330
Telephone: 681-842-3311
Email: john.love@bhegts.com
day of June, 2022

Subscribed and sworn before me this 8th

Melissa D. Mars
Notary Public

My Commission Expires July 5, 2025
Oil and Gas Privacy Notice

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Office of Oil and Gas
JUL 01 2022
WV Department of
Environmental Protection

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

SURFACE OWNER WAIVER

County 033

Operator Eastern Gas Transmission and Storage, Inc
Operator well number BW-1661

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

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 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 _____

Print Name

Signature Date _____

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JUL 01 2022
Date
WV Department of
Environmental Protection

COAL OPERATOR, OWNER, OR LESSEE WAIVER

County Harrison

Operator Eastern Gas Transmission and Storage, Inc.

Operator's Well Number BW-1661

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

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

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JUL 01 2022
WV Department of
Environmental Protection

WW-2B1
(5-12)

Well No. BW-1661

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 Reliance Laboratories
Sampling Contractor N/A

Well Operator Eastern Gas Transmission and Storage, Inc.
Address 925 White Oaks Blvd.
Bridgeport, WV 26330
Telephone 681-842-3311

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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.

***See attached Exhibit B - Map of Potential Water Purveyors**

***See attached Exhibit C - Potential Water Purveyors List**

Exhibit C**Well # BW-1661****Potential Water Purveyors within 1000': (0)**

No water wells or springs were located within 1000' radius of well head.

Potential Water Purveyors within 2500': (12)**Water Source (1)**

Owner Name- **GOFF CONNECTOR LLC**
 Address- 417 THORN ST FL 3, SEWICKLEY, PA 15143
 Lat/Long- Latitude: 39.14388723 +/- Longitude: 80.46355103+/-
 Latitude: LAT:39°08'37.99 +/- Longitude: 80°27'48.78+/-

Water Source (2)

Owner Name- **MATTHEW M & DIANE K NEELY**
 Address- 478 KINCHELOE RD, JANE LEW, WV 26378
 Lat/Long- Latitude: 39.14424106" +/- Longitude: 80.46275298" +/-
 Latitude: LAT: 39°08'39.26" +/- Longitude: 80°27'45.91" +/-

Water Source (3)

Owner Name- **PATRICIA G WILLIAMS**
 Address- 1268 GOOSEMAN RD, JANE LEW, WV 26378
 Lat/Long- Latitude: 39.14465883" +/- Longitude: 80.45299523" +/-
 Latitude: LAT: 39°08'40.77" +/- Longitude: 80°27'10.78"+/-

Water Source (4)

Owner Name- **NATHANIEL A NAY**
 Address- 1296 GOOSEMAN RD, JANE LEW, WV 26378
 Lat/Long- Latitude: 39.14457477" +/- Longitude: 80.45322777" +/-
 Latitude: LAT: 39°08'40.47"+/- Longitude: 80°27'11.62"+/-

Water Source (5)

Owner Name- **BETTY WILLIAMS**
 Address- 1363 GOOSEMAN RD, JANE LEW, WV 26378
 Lat/Long- Latitude: 39.14364983" +/- Longitude: 80.45360818" +/-
 Latitude: LAT: 39°08'37.13"+/- Longitude: 80°27'11.62"+/-

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Exhibit C

Water Source (6)

Owner Name-

ERVIN W & MARGARET SUTTON

Address-

1391 GOOSEMAN RD, JANE LEW, WV 26378

Latitude: 39.14334561" +/- Longitude: 80.45397962" +/-

Latitude: LAT: 39°08'36.04"+/- Longitude: 80°27'14.32"+/-

Water Source (7)

Owner Name-

NANCY C LESH

Address-

1415 GOOSEMAN RD, JANE LEW, WV 26378

Latitude: 39.14262848" +/- Longitude: LON:80.45474003" +/-

Latitude: LAT: 39°08'33.46"+/- Longitude: 80°27'17.06"+/-

Water Source (8)

Owner Name-

DANNY LEE STICKEL

Address-

1404 KINCHELOE RD, JANE LEW, WV 26378

Latitude: 39.14218795" +/- Longitude: LON: 80.45305136" +/-

Latitude: LAT: 39°08'31.87"+/- Longitude: 80°27'10.98"+/-

Water Source (9)

Owner Name-

ALAN B JR & JULIA A COHEN

Address-

102 PRIDEMORE AC, JANE LEW, WV 26378

Latitude: 39.13977989" +/- Longitude: LON: 80.45227788" +/-

Latitude: LAT: 39°08'23.20"+/- Longitude: 80°27'08.20"+/-

Water Source (10)

Owner Name-

DEBRA JO HEATER

Address-

441 HOLICK RUN RD, JANE LEW, WV 26378

Latitude: 39.13862319" +/- Longitude: LON: 80.45812579" +/-

Latitude: LAT: 39°08'19.04"+/- Longitude: 80°27'29.25"+/-

Exhibit C

4703300173W
Well # BW-1661

Water Source (11)

Owner Name-

DEBRA JO HEATER

Address-

441 HOLICK RUN RD, JANE LEW, WV 26378

Latitude: 39.13658446" +/- Longitude: LON: 80.45858950" +/-

Latitude: LAT: 39°08'11.70"+/- Longitude: 80°27'30.92"+/-

Water Source (12)

Owner Name-

CHARLES H & VANESSA D BROSIUS

Address-

1050 HOLLICK RUN RD, JANE LEW, WV 26378

Latitude: 39.13678405" +/- Longitude: LON: 80.46340171" +/-

Latitude: LAT: 39°08'12.42"+/- Longitude: 80°27'48.24"+/-

7021 1970 0000 3012 3631

U.S. Postal Service™
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For delivery information, visit our website at www.usps.com.
Parkersburg, WV 26101

Certified Mail Fee	\$3.75
Extra Services & Fees (check box, add fee as appropriate)	\$3.05
<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 \$1.76
Total \$8.56

Energy Appalachia
5260 Dupont Rd
Parkersburg, WV 26101

Well # BW-1661



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For delivery information, visit our website at www.usps.com.
Leesburg, FL 34788

Certified Mail Fee	\$3.75
Extra Services & Fees (check box, add fee as appropriate)	\$3.05
<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 \$1.76
Total \$9.56

John E. Corkrean & Mary Corkrean
9530 Mid Summer Lane
Leesburg, FL 34788-3698

Well # BW-1661



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

For delivery information, visit our website at www.usps.com.
Jane Lew, WV 26378

Certified Mail Fee	\$3.75
Extra Services & Fees (check box, add fee as appropriate)	\$3.05
<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 \$1.76
Total \$8.56

MATTHEW M & DIANE K NEELY
478 KINCHELOE RD
JANE LEW, WV 26378

Well # BW-1661



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

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Jane Lew, WV 26378

Certified Mail Fee	\$3.75
Extra Services & Fees (check box, add fee as appropriate)	\$3.05
<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 \$1.76
Total \$9.56

PATRICIA G WILLIAMS
1268 GOOSEMAN RD
JANE LEW, WV 26378

Well # BW-1661



U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
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For delivery information, visit our website at www.usps.com.
Sewickley, PA 15143

Certified Mail Fee	\$3.75
Extra Services & Fees (check box, add fee as appropriate)	\$3.05
<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 \$1.56
Total \$8.36

GOFF CONNECTOR LLC
417 THORN ST FL 3
SEWICKLEY, PA 15143

Well # BW-1661



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

For delivery information, visit our website at www.usps.com.
Jane Lew, WV 26378

Certified Mail Fee	\$3.75
Extra Services & Fees (check box, add fee as appropriate)	\$3.05
<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 \$1.76
Total \$8.56

NATHANIEL A NAY
1296 GOOSEMAN RD
JANE LEW, WV 26378

Well # BW-1661



5592 1970 0000 3012 3655

7021 1970 0000 3012 3662

7021 1970 0000 3012 3679

4703300173W

4703300173W

7021 1970 0000 3012 3686

U.S. Postal Service™
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For delivery information, visit our website at www.usps.com®.

Jane Lew, WV 26378

OFFICIAL USE

Certified Mail Fee	\$3.75
Extra Services & Fees (check box, add fee as appropriate)	\$3.05
<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 \$1.76

Total \$8.56

BETTY WILLIAMS
1363 GOOSEMAN RD
JANE LEW, WV 26378

Well # BW-1661



7021 1970 0000 3012 3723

U.S. Postal Service™
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For delivery information, visit our website at www.usps.com®.

Jane Lew, WV 26378

OFFICIAL USE

Certified Mail Fee	\$3.75
Extra Services & Fees (check box, add fee as appropriate)	\$3.05
<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 \$1.76

Total \$8.56

DANNY LEE STICKEL
1404 KINCHELOE RD
JANE LEW, WV 26378

Well # BW-1661



7021 1970 0000 3012 3709

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
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For delivery information, visit our website at www.usps.com®.

Jane Lew, WV 26378

OFFICIAL USE

Certified Mail Fee	\$3.75
Extra Services & Fees (check box, add fee as appropriate)	\$3.05
<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 \$1.76

Total \$8.56

ERWIN W & MARGARET SUTTON
1391 GOOSEMAN RD
JANE LEW, WV 26378

Well # BW-1661



7021 1970 0000 3012 3730

U.S. Postal Service™
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Jane Lew, WV 26378

OFFICIAL USE

Certified Mail Fee	\$3.75
Extra Services & Fees (check box, add fee as appropriate)	\$3.05
<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 \$1.96

Total \$8.76

ALAN B JR & JULIA A COHEN
102 PRIDEMORE AC
JANE LEW, WV 26378

Well # BW-1661



7021 1970 0000 3012 3716

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OFFICIAL USE

Certified Mail Fee	\$3.75
Extra Services & Fees (check box, add fee as appropriate)	\$3.05
<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 \$1.76

Total \$8.56

NANCY C LESHO
1415 GOOSEMAN RD
JANE LEW, WV 26378

Well # BW-1661



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OFFICIAL USE

Certified Mail Fee	\$3.75
Extra Services & Fees (check box, add fee as appropriate)	\$3.05
<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 \$1.76

Total \$8.56

DEBRA JO HEATER
441 HOLICK RUN RD
JANE LEW, WV 26378

Well # BW-1661



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Jane Lew, WV 26378

OFFICIAL USE

Certified Mail Fee	\$3.75
\$	\$3.05
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 \$1.76

\$ Tot \$0.00

CHARLES H & VANESSA D BROSIUS

1050 HOLLICK RUN RD

JANE LEW, WV 26378

City _____

Well # BW-1661

PS See Reverse for Instructions

7021 1970 0000 3012 3754

470 3300 173W

**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
A. W. Rhodes	Hope Natural Gas	1/8	175/162
John E. Corkrean Revocable Trust	Dominion Transmission	1/8	865/125
See Attached WW-2A1 - Exhibit A - Merger			

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WV Department of
Environmental Protection

**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

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: John M. Love
 By: Its: Eastern Gas Transmission and Storage, Inc.
Director of Storage

4703300173W

WW-2A1 – Exhibit A

- Hope Natural Gas Company merged with New York State Natural Gas Corporation on April 4, 1965. On the same date, Hope Natural Gas Company changed its name to Consolidated Gas Supply Corporation.
- On January 1, 1984, Consolidated Gas Supply Corporation assigned its leasehold interest to Consolidated Gas Transmission Corporation.
- On January 1, 1998, Consolidated Gas Transmission Corporation changed name to CNG Transmission Corporation.
- As a result of a merger with Dominion Resources, Inc., CNG Transmission Corporation changed name to Dominion Transmission, Inc on May 3, 2000.
- On August 1, 2017, Dominion Transmission, Inc. changed name to Dominion Energy Transmission, Inc.
- As a result of merger with Berkshire Hathaway Energy, Inc., Dominion Energy Transmission, Inc. changed name to Eastern Gas Transmission and Storage, Inc. on November 1, 2020.

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Environmental Protection

WW-9
(5/16)

4703300173W

API Number 47 - 033 - 00173-R
Operator's Well No. BW-1661

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

Operator Name Eastern Gas Transmission and Storage, Inc. OP Code 307048
Watershed (HUC 10) Kincheloe Quadrangle West Milford

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: NA

Will a synthetic liner be used in the pit? Yes No If so, what ml.? NA

*SDW
6/27/22*

Proposed Disposal Method For Treated Pit Wastes:

- Land Application (if selected provide a completed form WW-9-GPP)
- Underground Injection (UIC Permit Number _____)
- Reuse (at API Number _____)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain Meadowfill Landfill, Bridgeport, WV)

Will closed loop system be used? If so, describe: Yes, open top and closed top tanks will be used to store workover fluid and all returns during the well work.

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

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

Additives to be used in drilling medium? NA

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

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

-Landfill or offsite name/permit number? NA

Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed.

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on April 1, 2016, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

Company Official Signature [Signature]

Company Official (Typed Name) John M. Love

Company Official Title Director of Storage

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Office of Oil and Gas

JUL 01 2022

Subscribed and sworn before me this 8th day of June, 20 22

Melissa D. Mars Notary Public

My commission expires July 5, 2025



WV Department of Environmental Protection
OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
Melissa D. Mars
925 White Oaks Blvd.
Bridgeport, WV 26330
My Commission Expires July 5, 2025

Proposed Revegetation Treatment: Acres Disturbed 1.00 +/- Prevegetation pH _____

Lime pH Test _____ Tons/acre or to correct to pH 6.5

Fertilizer type 10-20-20 or equivalent

Fertilizer amount 500 lbs/acre

Mulch Hay or Straw Tons/acre

Seed Mixtures

Temporary	
Seed Type	lbs/acre
Timothy	4
Orchard Grass	12
White Clover	3

Permanent	
Seed Type	lbs/acre
Timothy	4
Orchard Grass	12
White Clover	3

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: SED Warratt

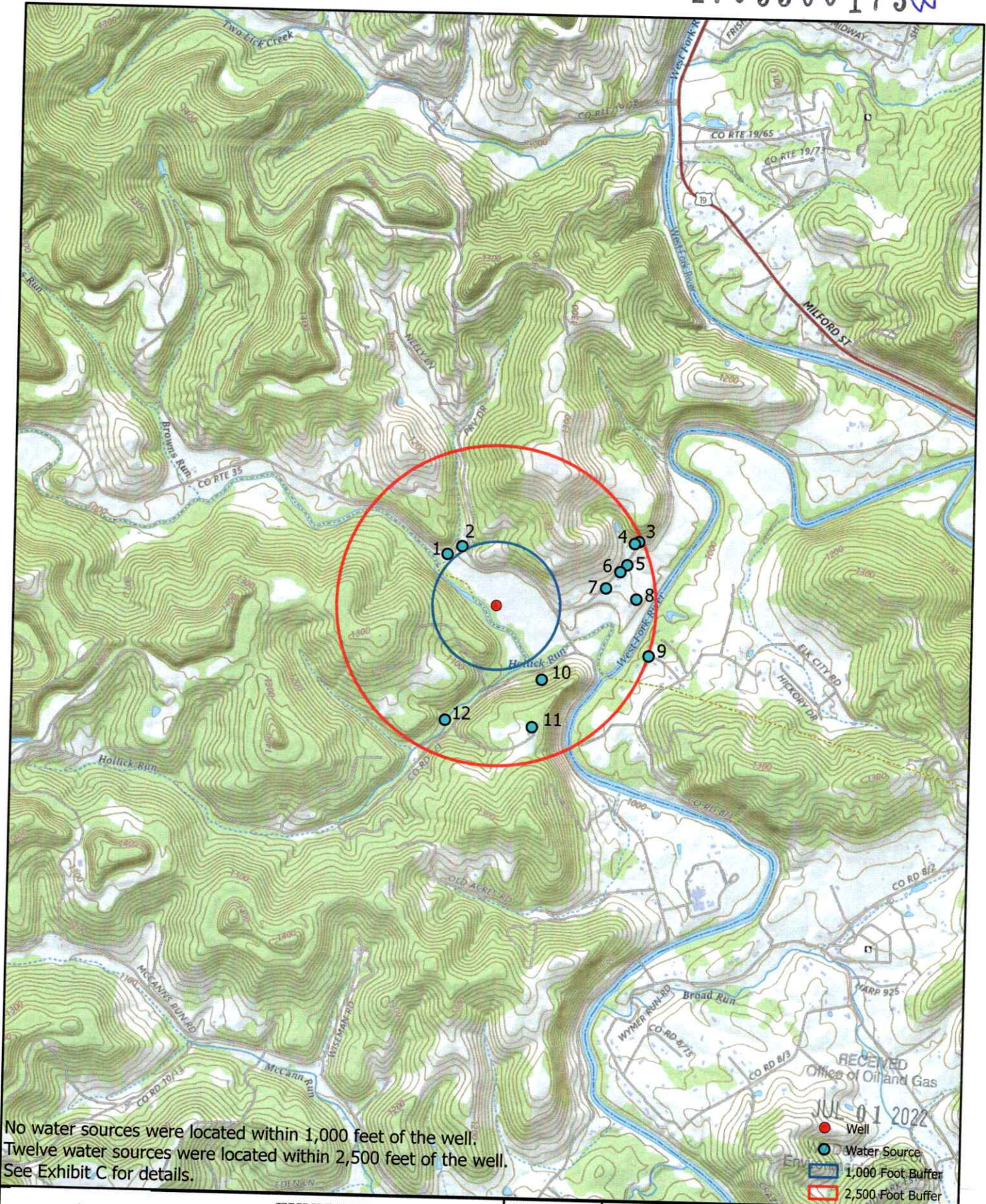
Comments: Existing

Title: OOG Inspector

Date: 6/27/2022

Field Reviewed? (X) Yes () No

470 3300 173W



No water sources were located within 1,000 feet of the well.
 Twelve water sources were located within 2,500 feet of the well.
 See Exhibit C for details.

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 Office of Oil and Gas
 JUL 01 2022

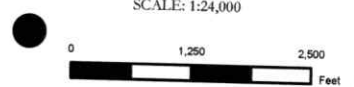
- Well
- Water Source
- 1,000 Foot Buffer
- 2,500 Foot Buffer



EXHIBIT B
 BHE REWORK - WELL 1661
 WATER PURVEYOR MAP
 HARRISON COUNTY, WV

DATE: 12/2/2021	DRAWN BY: MVW
PROJECT #: 2594	APPROVED BY: AW

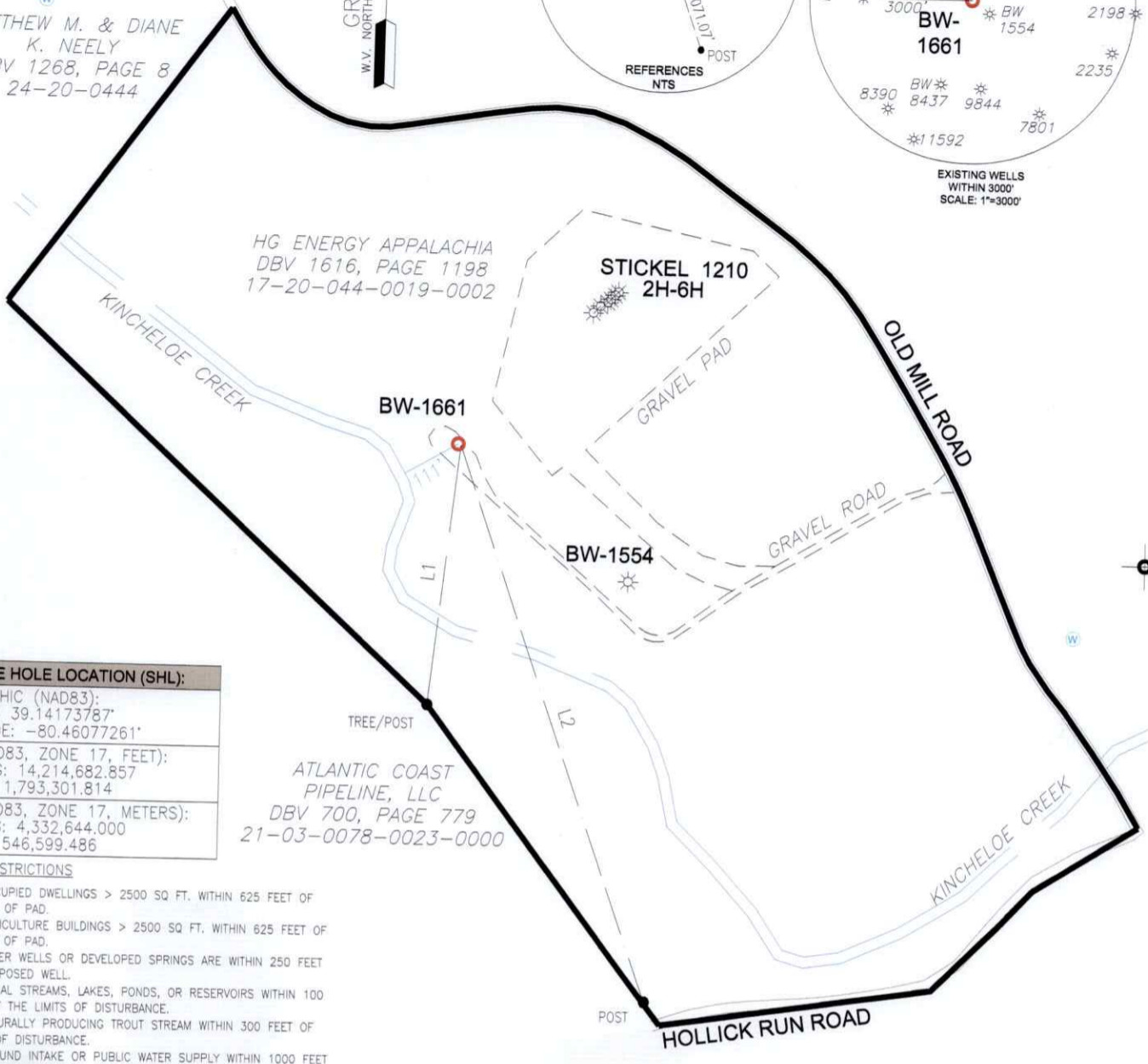
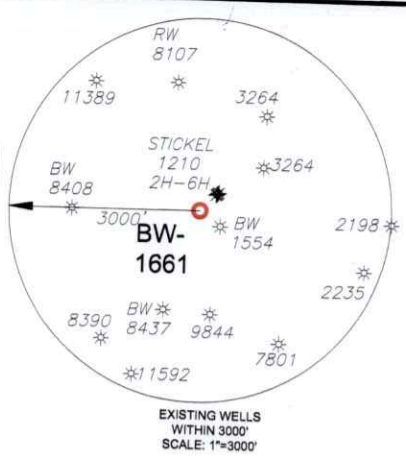
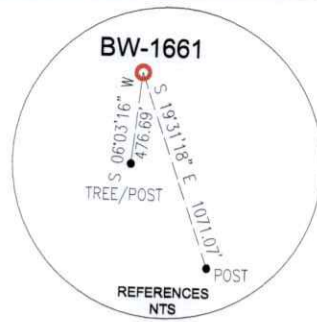
2361 DAVISSON RUN ROAD
 CLARKSBURG, WV 26301
 WWW.ASCENTCONSULTINGENGINEERS.COM



4703300173W

ASCENT
Consulting & Engineering
SURVEYOR/ENGINEER: 1-304-933-3463
2361 DAVISSON RUN ROAD, SUITE 103
CLARKSBURG, WV 26301

MATTHEW M. & DIANE
K. NEELY
DBV 1268, PAGE 8
24-20-0444



SURFACE HOLE LOCATION (SHL):

GEOGRAPHIC (NAD83):
LATITUDE: 39.14173787°
LONGITUDE: -80.46077261°
UTM (NAD83, ZONE 17, FEET):
NORTHING: 14,214,682.857
EASTING: 1,793,301.814
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,332,644.000
EASTING: 546,599.486

- WELL RESTRICTIONS**
1. NO OCCUPIED DWELLINGS > 2500 SQ. FT. WITHIN 625 FEET OF CENTER OF PAD.
 2. NO AGRICULTURE BUILDINGS > 2500 SQ. FT. WITHIN 625 FEET OF CENTER OF PAD.
 3. NO WATER WELLS OR DEVELOPED SPRINGS ARE WITHIN 250 FEET OF PROPOSED WELL.
 4. PERENNIAL STREAMS, LAKES, PONDS, OR RESERVOIRS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.
 5. NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF LIMITS OF DISTURBANCE.
 6. NO GROUND INTAKE OR PUBLIC WATER SUPPLY WITHIN 1000 FEET OF WELL PAD, LIMITS OF DISTURBANCE, E & S CONTROLS OR PUBLIC WATER SUPPLY.

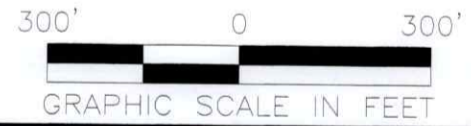
- NOTES ON SURVEY**
1. TIES TO WELLS AND CORNERS ARE BASED ON STATE PLANE WV NORTH ZONE NAD '83.
 2. WELL LAT./LONG ESTABLISHED BY DIRECT GPS NAD '83.
 3. BOUNDARIES SHOWN ARE TAKEN FROM TAX MAPS, DEEDS, AND FIELD SURVEY. THIS DRAWING IS NOT REPRESENTATIVE OF A FULL BOUNDARY SURVEY.
 4. SURFACE OWNER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF HARRISON COUNTY IN OCTOBER OF 2021.
 5. WELLS SHOWN ARE TAKEN FROM RECORDS OF WVDEP.

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 REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

P.S. 983 *Michael R. Hyman*



LINE	BEARING	DISTANCE
L1	S 06°03'16" W	476.69'
L2	S 19°31'18" E	1071.07'



COMPANY:
Eastern Gas Transmission and Storage, Inc.

	(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS	MINIMUM DEGREE OF ACCURACY: 1/200	OPERATOR'S WELL #: BW-1661
	WVDEP OFFICE OF OIL & GAS 601 57TH STREET CHARLESTON, WV 25034	PROVEN SOURCE OF ELEVATION: SURVEY GRADE GPS (NAVD 88, US FT)	API WELL #: 47 033 00173-R STATE COUNTY PERMIT

WELL TYPE: OIL WASTE DISPOSAL PRODUCTION DEEP GAS LIQUID INJECTION STORAGE SHALLOW

WATERSHED: WEST FORK ELEVATION: 991'

DISTRICT: UNION COUNTY: HARRISON QUADRANGLE: WEST MILFORD

SURFACE OWNER: HG ENERGY II APPALACHIA ACREAGE: 229 +/-

OIL & GAS ROYALTY OWNER: JOHN E. CORKREAN AND MARY CORKREAN ACREAGE: 229 +/-

DRILL DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION

CONVERT PLUG & ABANDON CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY)

TARGET FORMATION: GANTZ ESTIMATED DEPTH: 1595' TVD - 1595' TMD

WELL OPERATOR: Eastern Gas Transmission and Storage, Inc. DESIGNATED AGENT: John M. Love

ADDRESS: 925 White Oaks Blvd. ADDRESS: 925 White Oaks Blvd.

CITY: Bridgeport STATE: WV ZIP CODE: 26330 CITY: Bridgeport STATE: WV ZIP CODE: 26330

LEGEND: ○ PROPOSED SURFACE HOLE / BOTTOM HOLE ☀ EXISTING / PRODUCING WELLHEAD LPL* LANDING POINT LOCATION W EXISTING WATER WELL S EXISTING SPRING	— SURVEYED BOUNDARY — DRILLING UNIT — LEASE BOUNDARY — PROPOSED PATH	REVISIONS: DATE: 11-18-2021 DRAWN BY: TMF SCALE: 1" = 300' DRAWING NO: ACE-2694 WELL LOCATION PLAT
---	---	--

4703300173W

WV DEP Office of Oil and Gas
601 57th Street, SE
Charleston, WV 25304

To whom it may concern,

Please review this rework permit packet for Eastern Gas Transmission and Storage, Inc. well number BW-1661, API 47-033-00173-R. A check for \$550.00 is included.

If you have any further questions or comments, please feel free to contact me by means of the information listed below.

Sincerely,

Bristin Casto
Gas Storage Engineer III
Eastern Gas Transmission and Storage, Inc.
304-203-9084
Bristin.casto@bhegts.com

Ch# 4052

\$550.

5/31/22





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

ATTN: Permit approved for 4703300173

1 message

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

Tue, Aug 2, 2022 at 2:23 PM

To: Jeffrey W McLaughlin <jeffrey.w.mclaughlin@wv.gov>, Wade A Stansberry <wade.a.stansberry@wv.gov>, Samuel D Ward <samuel.d.ward@wv.gov>, bristin.casto@bhegts.com, rlayton@assessor.state.wv.us

To whom it may concern, The rework permit for 4703300173 has been approved and issued.

James Kennedy
WVDEP OOG

2 attachments

 **IR-26 Blank.pdf**
169K

 **4703300173.pdf**
4754K