



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

Thursday, May 25, 2023
WELL WORK PERMIT
Vertical / Re-Work

EASTERN GAS TRANSMISSION AND STORAGE, INC
925 WHITE OAKS BOULEVARD

BRIDGEPORT, WV 26330

Re: Permit approval for BW 1554
47-033-00172-00-00

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: BW 1554
Farm Name: NAY'S RIVERBEND FARMS
U.S. WELL NUMBER: 47-033-00172-00-00
Vertical Re-Work
Date Issued: 5/25/2023

Promoting a healthy environment.

06/02/2023

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.

WW - 2B
(Rev. 8/10)

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-1554 3) Elevation: 989.5

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

5) Proposed Target Formation(s): Gantz Proposed Target Depth: 1575'

6) Proposed Total Depth: 1575' Feet Formation at Proposed Total Depth: Gantz

7) Approximate fresh water strata depths: 130'

8) Approximate salt water depths: 500', 680', 1255'

9) Approximate coal seam depths: None of Record

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

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)
Bond log 7" csg, perforate above cement top, and attempt to squeeze cement to surface. Run new string 4-1/2" csg, set on formation packer shoe at approx. 1465' and cement to surface.

13) CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft	For Drilling	Left in Well	Fill -up (Cu. Ft.)
Conductor	10-3/4		34	228'	228'	Existing
Fresh Water	8-5/8"		24	795'	795'	Existing
Coal						
Intermediate	7"	K-55	20	1472'	1472'	Existing
Production	4-1/2"	K-55	11.6	1465'	1465'	CTS
Tubing						
Liners						

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MAY 03 2023

Packers: Kind: Formation Packer Shoe
 Sizes: 4-1/2"
 Depths Set Approx. 1465'

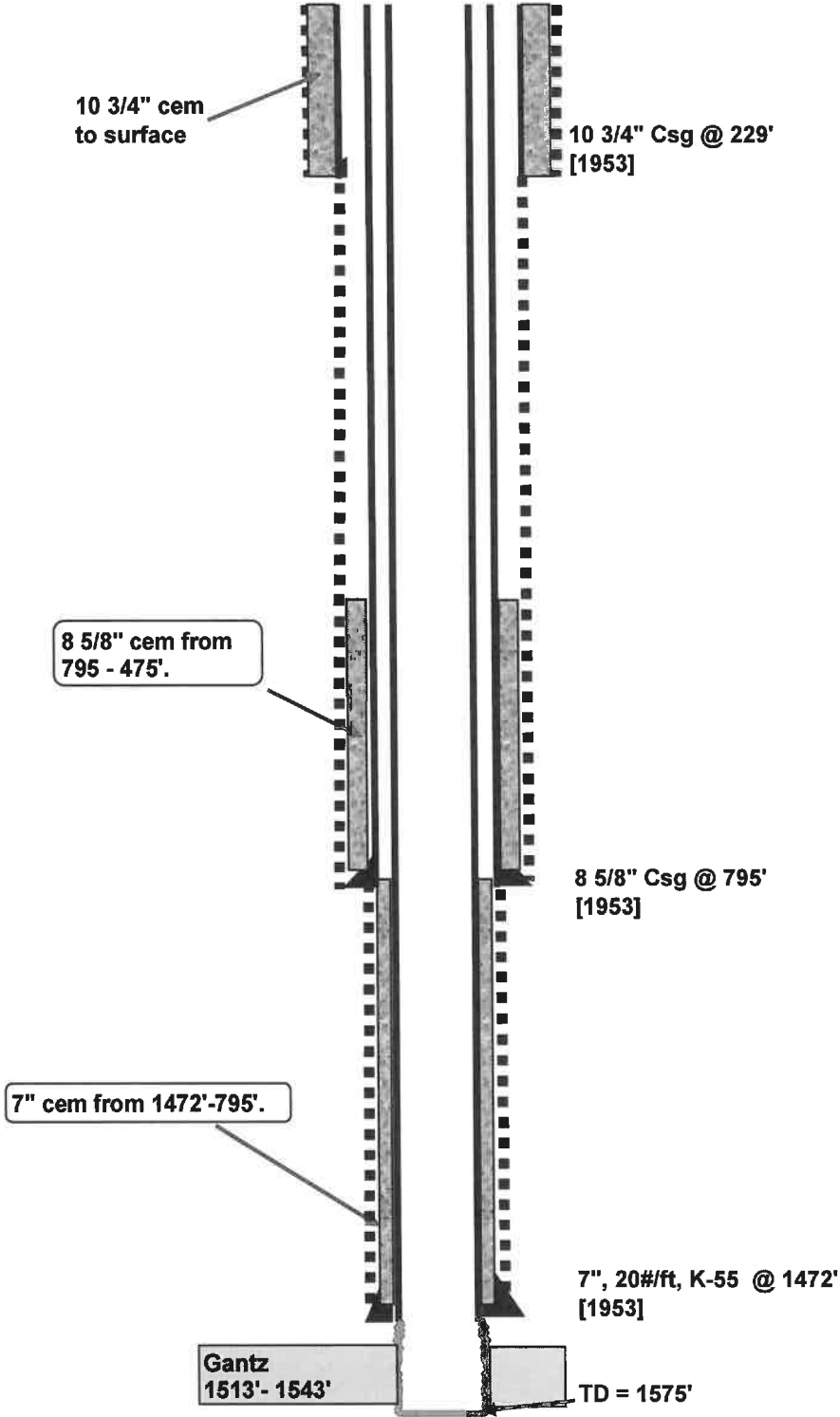
WV Department of
Environmental Protection

Ernest L. Reynolds 4-26-

06/02/2023

Kennedy Storage
 BW-1554[I/W]
 Permit #47-033-00172
 Elev = 989'[GL]

4703300172W



RECEIVED
 Office of Oil and Gas
 MAY 03 2023
 WV Department of
 Environmental Protection

Well Name & Number:		BW-1554		Lease	A. W. Rhodes		
County or Parish:		Harrison	State/Prov.	WV	Country:	USA	
Perforations: (MD)				(TVD)	1575'		
Angle/Perfs	Angle @KOP and Depth				KOP TVD		
BHP:	BHT:	Completion Fluid:					
FWHP:	FBHP:	FWHT:	FBHT:	Other:			
Date Completed:	03/19/10					RKB:	
Prepared By:	Richard Cross		Last Revision Date:	12/15/03			

06/02/2023

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Weston

WELL RECORD

Permit No. HAR 172 R Oil or Gas Well Storage
 Company Hope Natural Gas Company.
 Address 445 West Main St. Clarksburg, W. Va.
 Farm A. W. Rhodes Acres 230
 Location (waters) _____
 Well No. 1554 Elev. 989
 District Union County Harrison
 The surface of tract is owned in fee by _____
 Mineral rights are owned by _____
 Drilling commenced April 7, 1953
 Drilling completed June 24, 1953
 Date Shot _____ From _____ To _____
 With _____
 Open Flow _____ /10ths Water in _____ Inch
 _____ /10ths Merc. in _____ Inch
 Volume _____ Storage gas _____ Cu. Ft.
 Rock Pressure _____ lbs. _____ hrs.
 Oil _____ bbls, 1st 24 hrs. _____
 Fresh water none recorded feet _____
 Salt water none recorded feet _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packers
18			
10			Size of
8 1/4	795	795	
8 1/8	1472	1472	Depth set
5 9/16			
8			Perf. top
8			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
 7" casing cemented in _____
 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
THIS RECORD FROM GAMMA RAY LOG.							
B. Dunkard			200	230			
First Salt			492	555			
Second Salt			708	768			
Third Salt			822	888			
Maxon			950				
Sand			1058	1068			
Sand			1082	1088			
Little Lime			1102	1128			
Big Lime			1145	1215			
Big Injun			1215	1328			
Gantz			1513	1545	bottom gas pay	1542	
Total depth				1575			



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 Office of Oil and Gas
 MAY 03 2023
 WV Department of
 Environmental Protection

(Over)



Select County: (033) Harrison Select datatypes: (Check All)

Enter Permit #: 00172 Location Production Plugging

Owner/Completion Stratigraphy Sample

Pay/ShowWater Logs Blm Hole Loc

Table Descriptions
County Code Translations
Parent/Numbering Series
Usage Notes
Contact Information
Disclaimer
WVGES Main
"Pipeline2Plus"

Well: County = 33 Permit = 00172 [Link to all digital records for well](#)

Report Time: Thursday, May 25, 2023 8:48:39 AM

Well Reassignment Information: Reassigned From
OLD_COUNTY_OLD_PERMIT_NEW_COUNTY_NEW_PERMIT
33 70158 33 172

Location Information: [View Map](#)
API COUNTY PERMIT TAX DISTRICT QUAD_75 QUAD_15 LAT_DD LON_DD UTIME UTMN
4703300172 Harrison 172 Union West Milford Weston 39.14109 -80.459837 546698 4332572.7

There is no Bottom Hole Location data for this well

Owner Information:

API	CMP_DT	SUFFIX	STATUS	SURFACE	OWNER	WELL_NUM	CO_NUM	LEASE	LEASE_NUM	MINERAL_OWN	OPERATOR_AT_COMPLETION	PROP_VD	PROP_TRGT_FM	TFM_EST_PR
4703300172	3/19/1910	Original Loc	Completed	Rhodes, A W		1554					Hope Natural Gas Company			
4703300172	6/24/1953	Worked Over	Completed	A W Rhodes		1554					Hope Natural Gas Company			
4703300172	-/-	Worked Over	Cancelled	A W Rhodes		BW 1554					CNG Development Co.			

Completion Information:

API	CMP_DT	SRUD	ELEV DATUM	FIELD	DEEPEST_FM	DEEPEST_FMT	INITIAL CLASS	FINAL CLASS	TYPE	RIG	CMP_MTHD	TVD	TMD	NEW_FTG	KOD	G_BEF	G_AFT	O_BEF	O_AFT	NGL_BEF	NGL_AFT	P_BEF	P_AFT
4703300172	3/19/1910	-/-	989	Ground Level	Weston-Jane Law	Gantz	Development Well	Unsuccessful	Gas	Cable Tool	Nat/Open H	1538		1538	0	0	0	0	0	0	0	0	0
4703300172	6/24/1953	-/-	989	Ground Level	Weston-Jane Law	Hampshire Gp	Miscellaneous Well	Unsuccessful	Storage	unknown	Nat/Open H	1575				0	0	0	0	0	0	0	0
4703300172	-/-	-/-	989	Ground Level	Weston-Jane Law	Hampshire Gp	unclassified	unclassified	not available	unknown	unknown												

Pay/ShowWater Information:

API	CMP_DT	ACTIVITY	PRODUCT	SECTION	DEPTH_TOP	FM_TOP	DEPTH_BOT	FM_BOT	G_BEF	G_AFT	O_BEF	O_AFT	WATER_QNTY
4703300172	3/19/1910	Pay	Gas	Vertical	530		Lo Frnt Ss/Frnt Ss		0	0	0	0	
4703300172	3/19/1910	Pay	Gas	Vertical	635		1st Salt Sand		0	0	0	0	
4703300172	3/19/1910	Pay	Gas	Vertical	815		2nd Salt Sand		0	0	0	0	
4703300172	3/19/1910	Pay	Gas	Vertical	1222		Big Injun (Gmbr)		0	0	0	0	
4703300172	6/24/1953	Pay	Gas	Vertical	1542		Gantz		0	0	0	0	

There is no Production Gas data for this well

There is no Production Oil data for this well ** some operators may have reported NGL under Oil

There is no Production NGL data for this well ** some operators may have reported NGL under Oil

There is no Production Water data for this well

Stratigraphy Information:

API	SUFFIX	FM	FM_QUALITY	DEPTH_TOP	DEPTH_QUALITY	THICKNESS	THICKNESS_QUALITY	ELEV DATUM
4703300172	Worked Over	Matxong Ss/Big Dunk	Well Record	200	Reasonable	30	Reasonable	989 Ground Level
4703300172	Worked Over	1st Salt Sand	Well Record	492	Reasonable	63	Reasonable	989 Ground Level
4703300172	Worked Over	2nd Salt Sand	Well Record	708	Reasonable	60	Reasonable	989 Ground Level
4703300172	Worked Over	3rd Salt Sand	Well Record	822	Reasonable	65	Reasonable	989 Ground Level
4703300172	Worked Over	Past WVGES Staff Geologist	Well Record	1058	Reasonable	10	Reasonable	989 Ground Level
4703300172	Worked Over	Lo Matxon	Well Record	1082	Reasonable	6	Reasonable	989 Ground Level
4703300172	Worked Over	Little Lime	Well Record	1102	Reasonable	25	Reasonable	989 Ground Level
4703300172	Worked Over	Greenbrier Group	Well Record	1145	Reasonable	183	Reasonable	989 Ground Level
4703300172	Worked Over	Big Lime	Well Record	1145	Reasonable	70	Reasonable	989 Ground Level
4703300172	Worked Over	Kenner	Well Record	1215	Reasonable	0	Ostible Pick	989 Ground Level
4703300172	Worked Over	Berens Ss	Well Record	1513	Reasonable	32	Reasonable	989 Ground Level

Wireline (E-Log) Information:

* There is no Scanned/Raster Log data for this well

* There is no Digitized/LAS Log data for this well

* There is no Scanned or Digital Logs available for download

There is no Plugging data for this well

There is no Sample data for this well

WW-2A
(Rev. 6-14)

CK # 5507
\$550⁰⁰

1.) Date: 4/14/23
2.) Operator's Well Number BW-1554
State 47 County 033 Permit 00172
3.) API Well No.: 47-033-00172

**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 & Mary 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.m.love@dominionenergy.com

Subscribed and sworn before me this 25th day of April, 2023
Melissa D. Mars Notary Public

RECEIVED
Office of Oil and Gas
MAY 03 2023

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

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

06/02/2023

SURFACE OWNER WAIVER

County 033 Operator Eastern Gas Transmission and Storage, Inc Operator well number BW-1554

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 Date RECEIVED Office of Oil and Gas MAY 03 2023 Signature Date WV Department of Environmental Protection

06/02/2023

WW-2A Coal Waiver

COAL OPERATOR, OWNER, OR LESSEE WAIVER

County Harrison

Operator Eastern Gas Transmission and Storage, Inc.

Operator's Well Number BW-1554

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

RECEIVED
Office of Oil and Gas
MAY 03 2023
WV Department of
Environmental Protection

4703300172W

RECEIVED
Office of Oil and Gas

MAY 03 2023

WV Department of
Environmental Protection

7021 1970 0000 3012 3860

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Parkersburg, WV 26101

OFFICIAL USE

Certified Mail Fee	\$4.15	0798
Extra Services & Fees (check box, add fee as appropriate)	\$3.35	11
<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	\$1.98	
Total Postage and Fees	\$9.48	

Sent To
HG Energy
Street and Apt. No., or PO Box No.
5260 Dupont Rd.
City, State, ZIP+4®
Parkersburg, WV 26101

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

7021 1970 0000 3012 3877

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Jane Lew, WV 26378

OFFICIAL USE

Certified Mail Fee	\$4.15	0798
Extra Services & Fees (check box, add fee as appropriate)	\$7.35	11
<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	\$1.98	
Total Postage and Fees	\$9.48	

Sent To
Debra Heater
Street and Apt. No., or PO Box No.
97 Hollick Run Rd
City, State, ZIP+4®
Jane Lew, WV 26378

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

7021 1970 0000 3012 3884

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Leesburg, FL 34788

OFFICIAL USE

Certified Mail Fee	\$4.15	0798
Extra Services & Fees (check box, add fee as appropriate)	\$3.35	11
<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	\$1.98	
Total Postage and Fees	\$9.48	

Sent To
John Corkrean
Street and Apt. No., or PO Box No.
9530 Mid Summer Lane
City, State, ZIP+4®
Leesburg, FL 34788

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

7021 0950 0000 4036 1985

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Jane Lew, WV 26378

OFFICIAL USE

Certified Mail Fee	\$4.15	0798
Extra Services & Fees (check box, add fee as appropriate)	\$3.35	11
<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	\$1.98	
Total Postage and Fees	\$9.48	

Sent To
Danny Stickel
Street and Apt. No., or PO Box No.
1401 Kincheloe Rd.
City, State, ZIP+4®
Jane Lew, WV 26378

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

06/02/2023

**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

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

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

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

RECEIVED
Office of Oil and Gas

MAY 03 2023

WV Department of
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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

06/02/2023

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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WW-2B1
(5-12)

Well No. BW-1554

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 Alliance Consulting, Inc.
Sampling Contractor N/A

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

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**

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SURVEYOR/ENGINEER:
1-304-933-3483
1700 Annoore Road
Bridgeport, WV 26330

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

HG ENERGY APPALACHIA
DBV 1616, PAGE 1198
17-20-044-0019-0002

STICKEL 1210
2H-6H

BW-1661

BW-1554

ATLANTIC COAST
PIPELINE, LLC
DBV 700, PAGE 779
21-03-0078-0023-0000

GRID NORTH
W.V. NORTH, NAD83 DATUM, US FT

SURFACE HOLE LOCATION (SHL):

GEOGRAPHIC (NAD83):
LATITUDE: 39.140867°
LONGITUDE: -80.459624°
UTM (NAD83, ZONE 17, FEET):
NORTHING: 14,214,367.596
EASTING: 1,793,629.385
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,332,547.908
EASTING: 546,699.330

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 67°04'05" W	399.07'
L2	S 03°22'02" E	692.15'



COMPANY:

Eastern Gas Transmission and Storage, Inc.

OPERATOR'S WELL #: **BW-1554**

API WELL #: **47 033 00172W**
STATE COUNTY PERMIT

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
WVDEP
OFFICE OF OIL & GAS
601 57TH STREET
CHARLESTON, WV 25034

MINIMUM DEGREE OF ACCURACY: 1/200
PROVEN SURVEY SOURCE OF GRADE GPS ELEVATION: (NAVD 88, US FT)

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

WATERSHED: WEST FORK ELEVATION: 989.5'

DISTRICT: UNION COUNTY: HARRISON QUADRANGLE: WEST MILFORD

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

OIL & GAS ROYALTY OWNER: JOHN F. CORKREAN AND MARY CORKREAN ACREAGE: 220 +/-

SURFACE HOLE 9397' LONGITUDE: 39°27'30"

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BW-1554

API No: 47-033-00172

4703300172

BW-461

17 s 546699 4332548

BW-1554

Kinchele Creek

171

Kinchele Rd

35

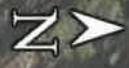
Legend

 17 s 546699 4332548

06/02/2023

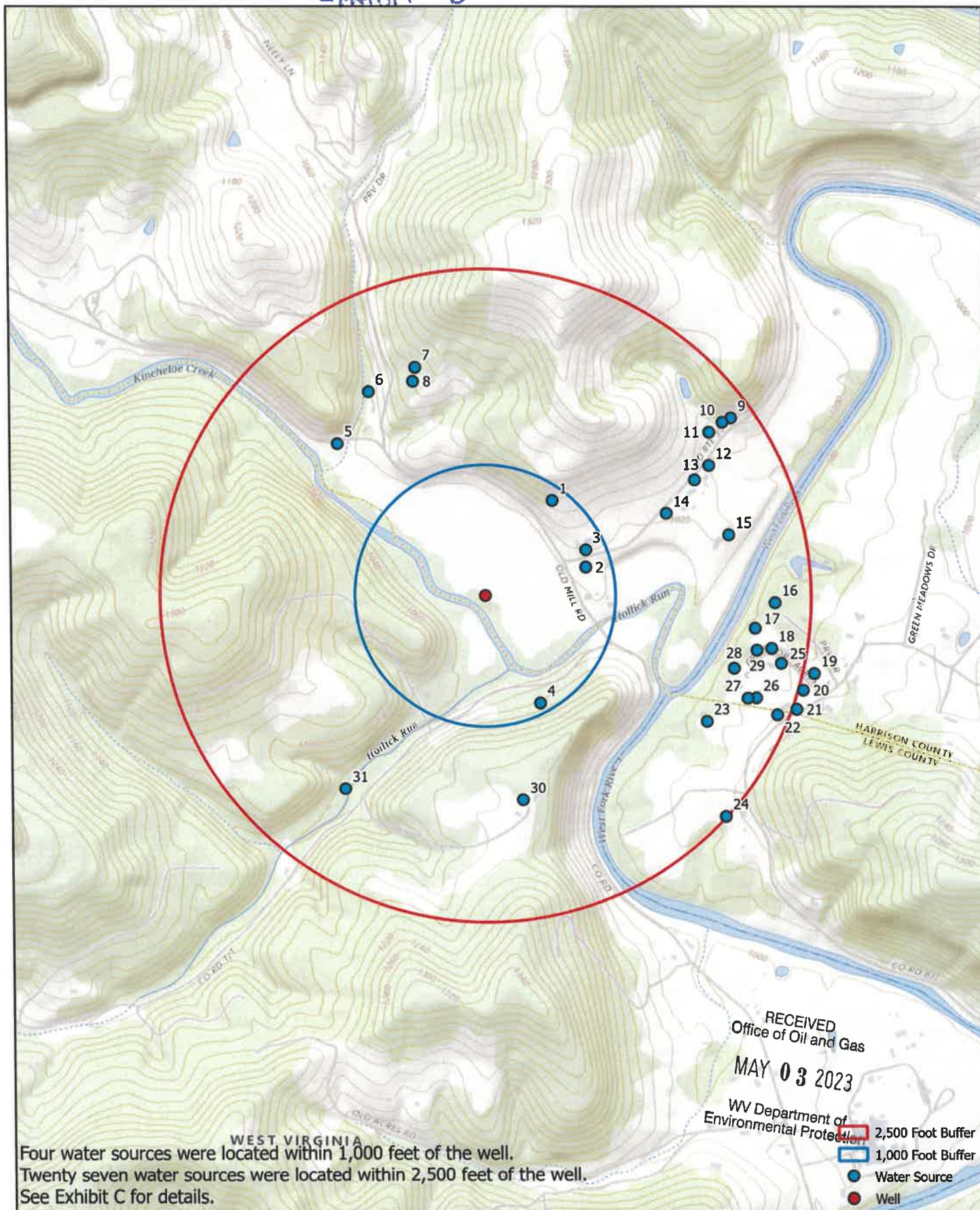
West Fork River

100 m



Google Earth

Image © 2023 CNES / Airbus



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

WEST VIRGINIA
Four water sources were located within 1,000 feet of the well.
Twenty seven water sources were located within 2,500 feet of the well.
See Exhibit C for details.

	EXHIBIT B BHE REWORK - WELL 1554 WATER PURVEYOR MAP HARRISON COUNTY, WV		DATE: 4/18/2023 PROJECT #: 3251	DRAWN BY: MVW APPROVED BY: AW	
	1700 ANMOORE ROAD BRIDGEPORT, WV 26330 WWW.ASCENTCONSULTINGENGINEERS.COM			SCALE: 1:12,000	

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EXHIBIT C

Gas Well #1554**Water Sources under 1000':**

Source- Cistern
 Owner Name- DANNY LEE STICKEL
 Address- 1404 KINCHELOE RD, JANE LEW, WV 26378
 Lat/Long- Latitude: 39.142875°+/- Longitude: -80.457820°+/-
 Latitude: 39°08'34.35"+/- Longitude: -80°27'28.15"+/-
Distance from Well #1554- N 35°35'22" E 892.58'

Source- Well
 Owner Name- DANNY LEE STICKEL
 Address- 1404 KINCHELOE RD, JANE LEW, WV 26378
 Lat/Long- Latitude: 39.141846°+/- Longitude: -80.456910°+/-
 Latitude: 39°08'30.65"+/- Longitude: -80°27'24.87"+/-
Distance from Well #1554- N 65°45'09" E 848.46'

Source- Well
 Owner Name- HG ENERGY II APPALACHIA LLC
 Address- 5260 DUPONT RD, PARKERSBURG, WV 26101
 Lat/Long- Latitude: 39.140864°+/- Longitude: -80.456745°+/-
 Latitude: 39°08'27.11"+/- Longitude: -80°27'24.28"+/-
Distance from Well #1554- S 89°19'25" E 816.56'

Source- Well
 Owner Name- DEBRA JO HEATER
 Address- 97 HOLLICK RUN RD, J ANE LEW WV 26378
 Lat/Long- Latitude: 39.138623°+/- Longitude: -80.458126°+/-
 Latitude: 39°08'19.04"+/- Longitude: -80°27'29.25"+/-
Distance from Well #1554- S 26°51'52" E 921.01'

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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) West Fork 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

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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Subscribed and sworn before me this 25th day of April, 2023

[Signature]

My commission expires July 5, 2025

Notary Public



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

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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		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
Timothy	4	Timothy	4
Orchard Grass	12	Orchard Grass	12
White Clover	3	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: David L. Reynolds

Comments: RECLAIM, SEED & MULCH ASAP

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Title: OIL & GAS INSPECTOR Date: 4-26-23

Field Reviewed? () Yes () No

Wells, Plugged



Wells, Coal Bed Methane



Laterals

WellStatus

- Active Well
- Permit Issued
- Permit Application
- Plugged
- <all other values>

Karst

Known Caverns



Avis Limestone Outcrop



Greenbrier Outcrop



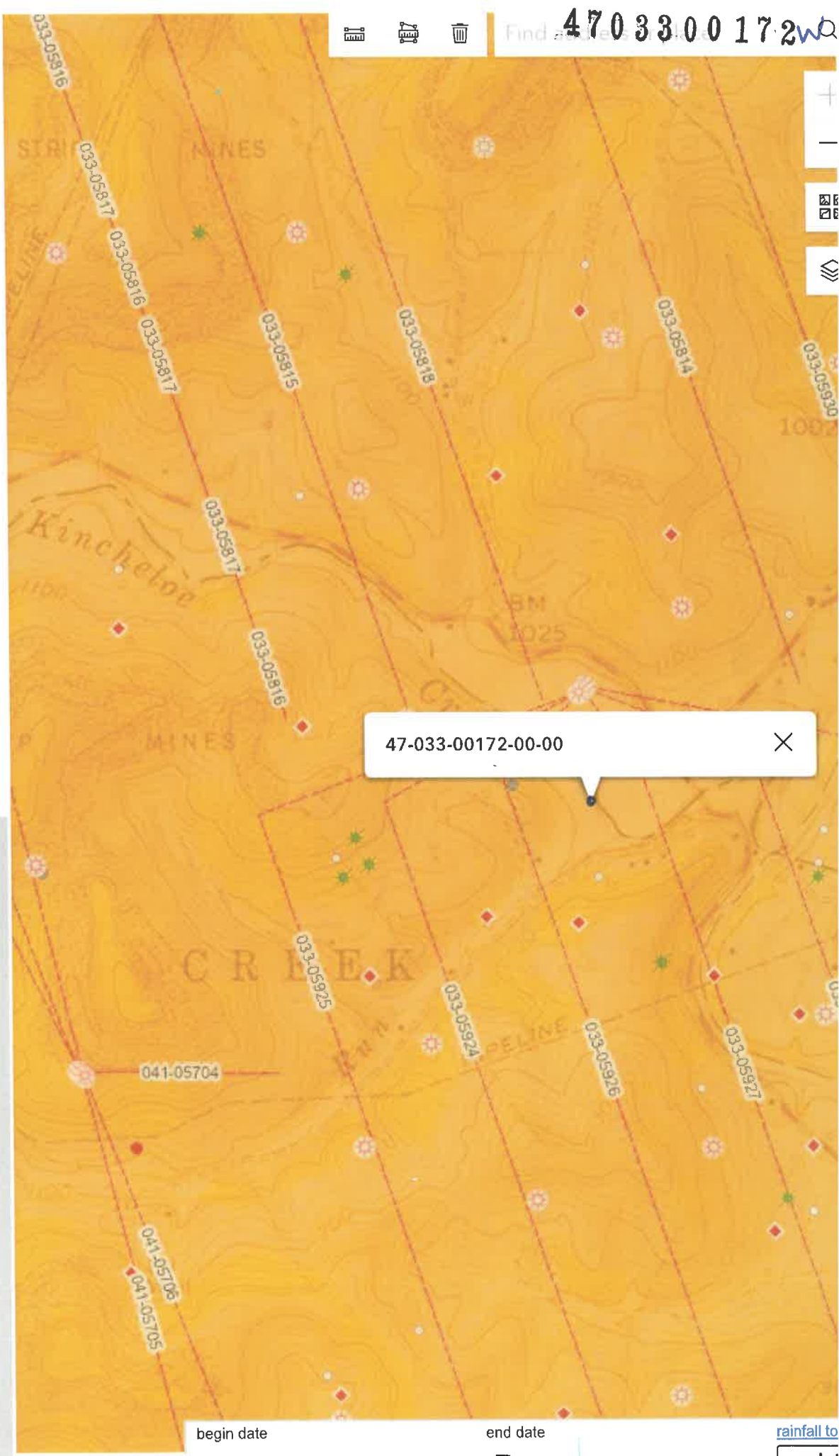
Other Carbonate Rocks Outcrop



Storage Fields

storage_fields

- active
- protected



Find address...

4703300172wo

47-033-00172-00-00

begin date end date rainfall to undat

06/02/2023



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

Fwd: Message from KM_C450i

1 message

McLaughlin, Jeffrey W <jeffrey.w.mclaughlin@wv.gov>

Thu, May 25, 2023 at 10:11 AM

To: John.love@bhegts.com, "Bach, Jason (BHE GT&S)" <Jason.Bach@bhegts.com>, Kenneth L Greynolds

<kenneth.l.greynolds@wv.gov>, rromano2@harrisoncountywv.com

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

Gentlemen:

Please find attached the newly issued Rework Permit for the BW 1554 Well (API No. 47-033-00172).

Regards,

Jeff McLaughlin, Technical Analyst

WV DEP, Office of Oi and Gas

----- Forwarded message -----

From: <.Center.2064@wv.gov>

Date: Thu, May 25, 2023 at 10:00 AM

Subject: Message from KM_C450i

To: <jeffrey.w.mclaughlin@wv.gov>



SKM_C450i23052510000.pdf

1801K

06/02/2023