

02/23/2023



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west virginia department of environmental protection

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Office of Oil and Gas  
601 57<sup>th</sup> Street, S.E.  
Charleston, WV 25304  
(304) 926-0450  
fax: (304) 926-0452

Harold D. Ward, Cabinet Secretary  
[www.dep.wv.gov](http://www.dep.wv.gov)

Tuesday, January 31, 2023  
WELL WORK PLUGGING PERMIT  
Vertical Plugging

COLUMBIA GAS TRANSMISSION, LLC  
1700 MACCORKLE AVENUE SE

CHARLESTON, WV 25314

Re: Permit approval for 1-2449  
47-051-00164-00-00

This well work permit is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to any additional specific conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas Inspector.

Upon completion of the plugging well work, the above named operator will reclaim the site according to the provisions of WV Code 22-6-30. Please be advised that form WR-38, Affidavit of Plugging and Filling Well, is to be submitted to this office within 90 days of completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

Per 35 CSR 4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926- 0450.

James A. Martin  
Chief

Operator's Well Number:  
Farm Name: CLARK, F. M.  
U.S. WELL NUMBER: 47-051-00164-00-00  
Vertical Plugging  
Date Issued: 1/31/2023

Promoting a healthy environment.

02/03/2023

# PERMIT CONDITIONS

47 05 100 164 02/23/2023

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.

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## CONDITIONS

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1. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
2. 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.
3. Well work activities shall not constitute a hazard to the safety of persons.

02/03/2023

4705100164  
1) Date December 12, 2022  
2) Operator's  
Well No. Victory B 2449  
3) API Well No. 47-051 - 00164-0000

AMNT \$100.00  
CK# 056242

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

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

4) Well Type: Oil \_\_\_\_ / Gas X / Liquid injection \_\_\_\_ / Waste disposal \_\_\_\_ /  
(If "Gas, Production \_\_\_\_ or Underground storage X ) Deep \_\_\_\_ / Shallow X

5) Location: Elevation 1176' Watershed Upper Fish Creek  
District Liberty County Marshall Quadrangle Littleton, WV

6) Well Operator Columbia Gas Transmission, LLC 7) Designated Agent Brad Nelson, Storage Engineer  
Address 1700 MacCorkle Avenue S.E., P.O. Box 1273 Address 455 Racetrack Road  
Charleston, WV 25325 Washington, PA 15301

8) Oil and Gas Inspector to be notified Name Strader Gower  
Address 2525 West Alexander Road  
Valley Grove, WV 26060  
9) Plugging Contractor Name Next LVL Energy, LLC  
Address 736 W. Ingomar Road, Unit 268  
Ingomar, PA 15127

10) Work Order: The work order for the manner of plugging this well is as follows:

Refer to enclosed:

- 1) Well job plan.
- 2) Prior to P&A wellbore schematic.
- 3) Proposed P&A wellbore schematic.

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Notification must be given to the district oil and gas inspector 24 hours before permitted work can commence.

Work order approved by inspector Strader Gower Date 12/14/2022

02/03/2023

WEST VIRGINIA DEPARTMENT OF MINES  
OIL & GAS DIVISION  
WELL RECORD

47 05 100 164 02/23/2023

Permit No. Mars 164-D  
Littleton Quad.  
Company  
Address  
Farm  
Location  
Well No.  
District  
Surface  
Mineral  
Commenced  
Completed  
Date shot  
Volume  
Rock Pressure

Gas Well  
CASING & TUBING

The Manufacturers Light & Heat Co.  
800 Union Trust Bldg., Pittsburgh, Pa.  
F.M. Clark Acres 117 10 388 -  
8 1/2 1302 1302  
1- 2449 Elev. 1194' 6 5/8 1994 1994  
Liberty Marshall County 4 82'7  
The Mfrs. L & H Co., Pittsburgh, Pa.  
July 2, 1945 (9-18-19) Goal at 560' 36";  
Aug. 17, 1945 (11-5-19) 750' 36"; 850' 96"  
7-19-45 2851 to 2858 1/2 with glycerine  
48,314 from old sand Anchor Packer  
60 lbs. 48 hrs. Size 6 5/8 x 4  
Depth 2800'

	0	10	DRILLED DEEPER	
Native Coal	560	563		
Slate & Lime	563	630	Gordon Sand	2862 2880
Red Rock	630	650	Lime Shells	2880 2902
Slate	650	720	4th Sand	2902 2908
Lime	720	750	Lime Shells	2908 2920
Mapletown Coal	750	753	5th Sand	2920 2934
Lime	753	830	Slate & Lime	2934 2952
Slate	830	850	TOTAL DEPTH	2952
Pittsburgh Coal	850	858		
Slate & Lime	858	910		
Red Rock	910	960		
Sand	960	985		
Slate	985	1005		
Red Rock	1005	1060		
Murphy Sand	1060	1074		
Pink Rock	1074	1110		
Lime	1110	1120		
Red Rock	1120	1260		
Little Dunkard	1260	1272		
Pink Rock	1272	1300		
Slate	1300	1360		
Big Dunkard	1360	1378		
Slate	1378	1420		
Lime	1420	1435		
Slate	1435	1500		
Lime & Slate	1500	1540		
Gas Sand	1540	1552		
Slate	1552	1640		
Sand Shells	1640	1680		
Full Sand	1680	1822		
Maxon Sand	1822	1847		
Slate	1847	1853		
Sand	1853	1916		
Slate	1916	1935		
Big Lime	1935	2000		
Big Injun	2000	2252		
Slate	2252	2520		
30' Shells	2520	2590		
Slate	2590	2695		
Red Rock	2695	2720		
Slate	2720	2785		
50' Shells	2785	2830		
Slate	2830	2849		
Gordon Stray	2849	2862	Gas 2854'	
TOTAL DEPTH		2862		

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WV Department  
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02/03/2023

The Manufacturer Light & Heat Company 4705100184

Division 4 New Rig  
 Record of Well No. 2449 on F. M. & Julia Clark Farm Acres  
 Cameron Field Liberty District Marshall County W. Va. State  
 Rig Commenced July 25, 1919, Completed August 7 1919  
 Drilling Commenced Sept. 18 1919, Completed Nov. 5 1919  
 Cost per Foot \$ 2.25 Contractor Keely & Gray Address Hundred, W. Va. Cost \$552.  
 Drillers' Names Grant Richard, W. C. Gray, Toolies T. D. Gray, James Loar.

BOILER			ENGINE			RIG			
H. P.	No.	Name of Maker	H. P.	No.	Name of Maker	New	Old	Height	Name of Builder

CONDUCTOR AND CASING USED IN DRILLING										
Conductor	13 inch	10 inch	8 1/2 inch	6 3/4 inch	6 1/2 inch	5 1/2 inch	5 1/4 inch	5 inch	4 inch	
10.		388	1302	1994						

CONDUCTOR AND CASING LEFT IN WELL										
Conductor	13 inch	10 inch	8 1/2 inch	6 3/4 inch	6 1/2 inch	5 1/2 inch	5 1/4 inch	5 inch	4 inch	3 inch
			1302	1994						

OIL WELL					GAS WELL					
When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods	Tanks	Size of Packer	Depth Set	Packed with	1st Minute Pressure	Rock Pressure

Initial Open Flow Production      Cubic Feet Per 24 Hours      Shut In Pressure      Cubic Feet Per 24 Hours

FORMATION	Top	Bottom	Thickness	REMARKS
Native Coal	560	563		
Mapletown Coal	750	753		
Pittsburgh Coal	850	858		
Murphy Sand	1060	1064		
Little Dunkard	1260	1272		
Big Dunkard	1360	1378		
Gas Sand	1540	1552		
Maxom Sand	1822	1847		
Big Lime	1935	2000		
Big Injun Sand	2000	2252		
Thirty Foot Shells	2520	2590		
Fifty Foot Sand	2795	2830		
Gordon Stray	2849	2862		
Gas	2854			
Total Depth	2862			

1 Bailer water pr. hr.  
 3 Bailers water pr. hr.

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All 10" casing pulled.  
 Nov. 8, 1919. Well packed in 50' wv Department of  
 Sand with 1-6 5/8x4"-10T Anchor Set Environmental Protection  
 at 2797' 1" and tubed with 132 Jts.  
 2884' 4"-10 T tubing. Anchor  
 Anchor 3 Joints 64' 11"  
 Above Anchor 129 Joints  
 2819' 1" Total 132 Joints.  
 Total 2884' 00".  
 Cage on top. First Joint. Packer on  
 top of third joint. Nov. 5, 1919  
 Open flow test 52/10 Mer. in 2"  
 opening. Nov. 8, 1919. Spring  
 Gauge test 65-110-150-180-210-415  
 in 1/2 hour.  
 Well bailed November 15, 1927 by  
 H. C. Risor. Before bailing nothing  
 above 100 lb line. After line  
 1/98, 1/100, 2/102, 3/104, 4/106,  
 5/108, 30/135.

Examined above information and measurements and found to be correct by \_\_\_\_\_ Contractor \_\_\_\_\_ Superintendent of Co.  
 NOTE—The above blank must be filled out carefully by the contractor, with a complete and accurate record of the Well, and accompany, when presented for payment of the bill for drilling.  
 All formations and known sands must be given by their proper name, with steel line measurements, and under the head of "Remarks" must be recorded in what sand and at what depth Oil, Gas or Water was found, the quantity of same, the quality of the sand, and thickness of pay.  
 Make no memoranda of boiler and engine if owned by contractor.

02/03/2023

The Manufacturers Light & Heat Company

47 05 100 184 02/23/2023

Division h  
 Record of well No. 2449 on F.H. Clark Farm 117 Acres  
Cameron Field Liberty Marshall County W.Va. State  
 Rig Commenced Old rig standing 19 , Completed 19  
 Drilling Commenced 7/2/45 19 , Completed 8/17/45 19  
 Contractor Harry Moore Address Hundred, W.Va.  
 Driller's Name Harry L. Jones,

CASING AND TUBING RECORD

Conductor	18"	10"	8 1/4"	7"	6 5/8"	5 3/8"	4"	3"
Used in Drig.								
Left in well							62'-7"	

PACKER RECORD

SHOOTING RECORD

Size	Depth Set	Type Packer	Date	Type Explosive	Amount	DEPTH		Volume Before On Ft.	Volume After On Ft.
						Top	Bottom		
6 5/8" x 1"	2800'	Anchor	7/9/45	Glycerine	300 lbs	2851	2852	30.621	30.621

VOLUME AND PRESSURE

Date	Reading in Inches	Liquid	Size Orifice	Volume	Sand	PRESSURE IN MIN.					24 Hour R. P.	Max. R. P.	Hours
						1	5	10	20	60			
		No new gas from drilling deeper			Gordon	1/2	2 1/2	1 1/2	8			60	1/8

TOTAL INITIAL OPEN FLOW 48.314 from old sand CUBIC FEET PER 24 HOURS

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
<b>DRILLING DEEPER RECORD.</b>				
Gordon sand	2862	2880	18	Well was repacked with 4" tubing and 4"x 6 5/8" Anchor packer set @ 2800'-3" in 50 feet sand. Anchor 151.9" 7 Jts Above 2818'-0" 129 Total 2969'-9" 136 Jts. Cage on top of 1st & 4th joint, Packer on top of 7th joint.
Lime shells	2880	2902	22	
4th sand	2902	2908	6	
Lime shells	2908	2920	12	
5th sand	2920	2934	14	
Slate & lime	2934	2952	18	
TOTAL DEPTH	2952			

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Examined above information and measurements and found to be correct by

Examined and Approved by

Contractor

*Harry Moore* Field Superintendent

NOTE—The above blank must be filled out carefully by the contractor, with a complete and accurate record of the well, and accompany, when presented for payment of the bill for drilling. All formations and known sands must be given by their proper name, with steel line measurements, and under the head of "Remarks" must be recorded in what sand and at what depth Oil, Gas or water was found, the quantity of same, the quality of the sand, and thickness of pay.

02/03/2023

<b>WELL JOB PLAN</b>		<b>Well Engineering &amp; Technology</b>		PAGE 3	DATE JOB PREPARED: 11/2/2022
Objective: Plug and Abandonment				LAST PROFILE UPDATE: 11/2/2022	
TITLE: Plug and Abandonment	WELL: 2449			WORK TYPE: MOD3 - BACKFILL	
FIELD: Victory B	SHL (Lat/Long): 39.748050 -80.60583			API: 47-051-00164-00-00	
STATE: WV	BHL (Lat/Long): 39.748050 -80.60583			CNTY: Marshall	
TWP: Liberty					

**PROCEDURE**

- 1 Obtain NRP clearances, TOPs, pipeline crossing eval, etc.
  - 2 Obtain State plugging permit.
  - 3 Notify Reservoir Engineering & Geosciences (REG) of intent to take well out of service.
  - 4 Prepare access road and well site. Install ECD's per EM&CP.
  - 5 Service all wellhead valves.
  - 6 Document initial tubing / casing / annular pressures.
  - 7 Kill well. Load 7" casing and 7" x 8-5/8" annulus with kill fluid.
  - 8 MIRU service rig.
  - 9 NU 2000 # 7-1/16" BOPs (double ram with blind & pipe + annular). Secure BOPs to eliminate free movement. Pressure test low/high to 250/1600 psig using packer set <30 ft. Pressure test TIW/stabbing valves.
  - 10 MIRU Baker Atlas and obtain CBL from TD to surface - keep hole full while logging. Notify WET engineer for CBL evaluation - procedure may change depending on results.  
*Consult with WE&T Engineer on results of CBL. Procedure may change depending on evaluation.*
  - 11 TIH with steel tooth bit. Clean to hard TD. Note that PBDT is at 1902' with cement plug, original TD of 2952'.
  - 12 Circulate two bottoms up.
  - 13 Spot balanced cement plug(s) from TD to 1600 ft. Note: Pull slowly through cement plug to cement top. Circulate. WOC minimum 6 hrs, tag cement. If cement top is deeper than 1750', install second cement plug.
  - 14 Install cast-iron DBP above cement plug.
- \* Well to be plugged per 22-6-24 of the WV Code. Consult with State Inspector and WE&T Engineer to confirm the following procedure is still acceptable. If coal operator and TCE agree, the following procedure may require modifications.*
- 15 TIH and install balanced cement plug from DBP to 1400' (~100' below depth of 8-5/8" csg shoe).
  - 16 Install balanced expanding-type cement plug from top of last plug to 1200'. Gypsum is often used as an additive to provide expansion properties or to prevent cement shrinkage. Before TOOHS spot 6% bentonite gel from top of plug to approximately 100' below surface.
  - 17 WOC and tag cmt. If solid cement top is deeper than 1200' then consult with State inspector or reinstall plug.
  - 18 Install 100' cement plug inside 7" casing at top of well.
  - 19 Top of all annuli with cement.
  - 20 ND BOPs and remove wellhead.
  - 21 RDMO service rig.
  - 22 Install monument a minimum of 30" above ground level with no smaller than 6" OD steel pipe. Tack weld API number to side of monument. Tack weld, do not seal, a steel plate on top of monument.
  - 23 When plugging is complete, install plastic Columbia Gas line marker next to monument.
  - 24 Reclaim road and location.

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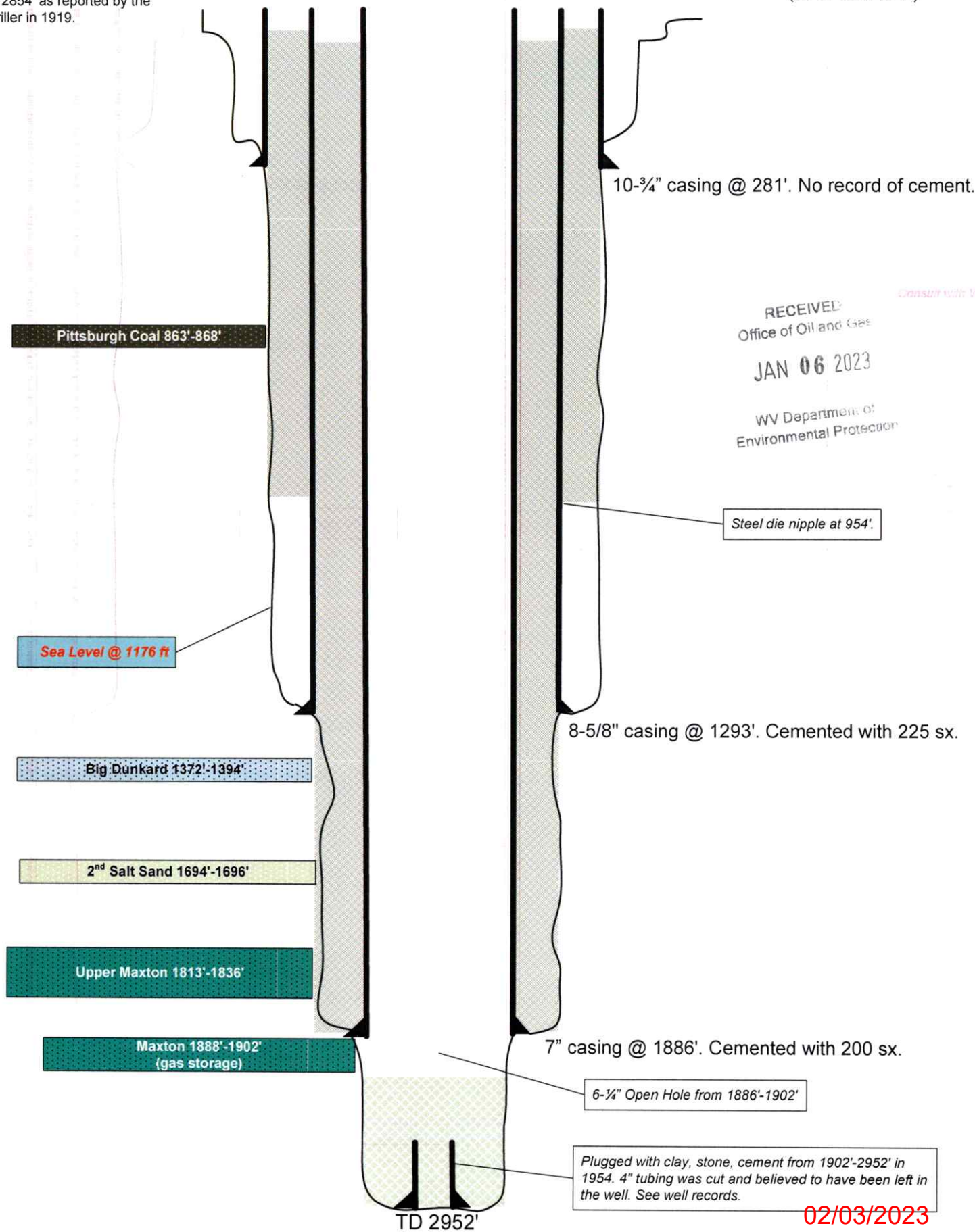
PREPARED BY: Brad Nelson	REVIEWED BY:	APPROVED: <i>Strader Gower</i> 12/14/2022
PREP DATE: 11/2/2022		

~ not to scale ~

02/23/2023  
VICTORY B 2449

Prior to P&A  
(as of 4/25/2022)

\* Water at 750' and 850'; gas at 2854' as reported by the Driller in 1919.



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Consult with W&A

Steel die nipple at 954'

8-5/8" casing @ 1293'. Cemented with 225 sx.

7" casing @ 1886'. Cemented with 200 sx.

6-1/4" Open Hole from 1886'-1902'

Plugged with clay, stone, cement from 1902'-2952' in 1954. 4" tubing was cut and believed to have been left in the well. See well records.

TD 2952'

02/03/2023



02/23/2023

VICTORY B 2449

Proposed P&A

(as of 11/2/2022)

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~ not to scale ~

\* Water at 750' and 850'; gas at 2854' as reported by the Driller in 1919.

10-3/4" casing @ 281'. No record of cement.

6% gel

Attempt to pull all casing and cement to surface

Steel die nipple at 954'

Sea Level @ 1176 ft

Sea Level @ 1176 ft

Pittsburgh Coal 863'-868'

Big Dunkard 1372'-1394'

2<sup>nd</sup> Salt Sand 1694'-1696'

Upper Maxton 1813'-1836'

Maxton 1888'-1902'  
(gas storage)

8-5/8" casing @ 1293'. Cemented with 225 sx.

Expanding cement

Install Cast Iron Bridge Plug at ~1600'.

darker grey indicates plugging cement  
lighter grey indicates existing cement

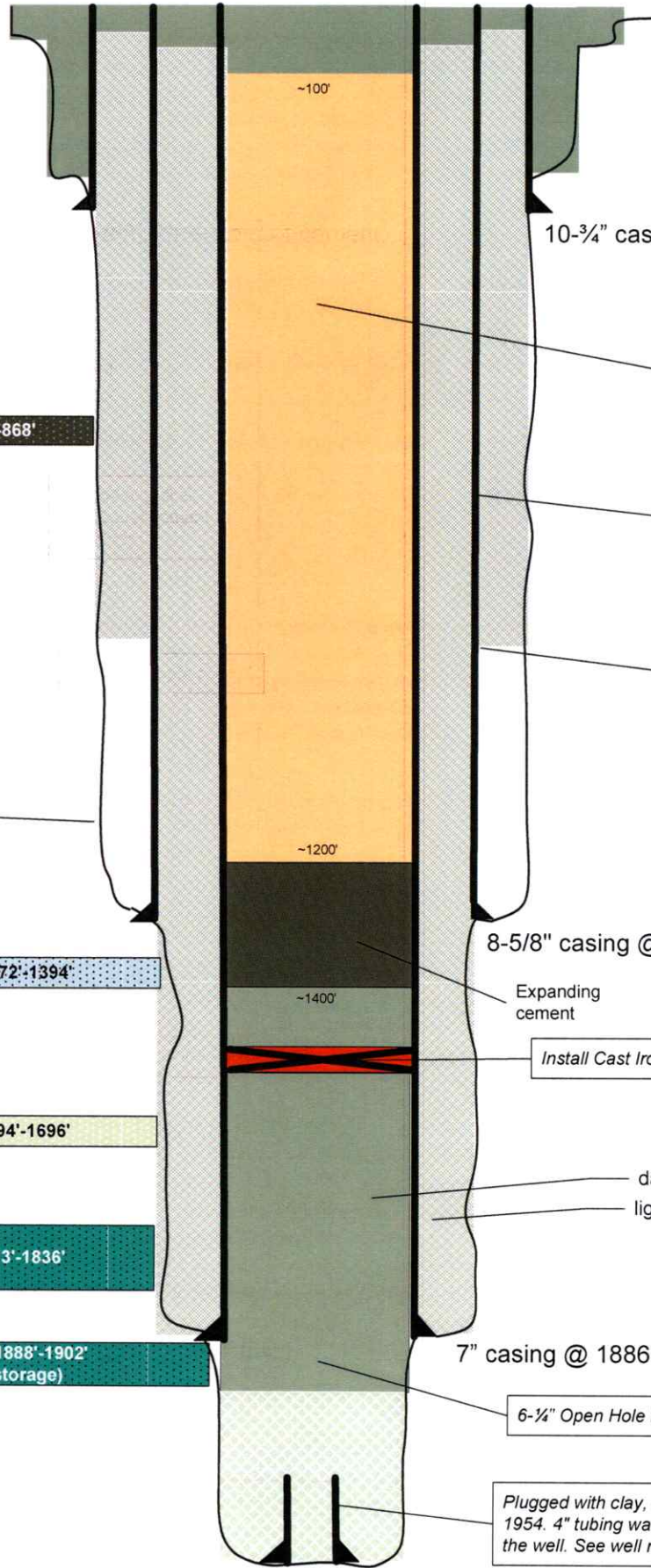
7" casing @ 1886'. Cemented with 200 sx.

6-1/4" Open Hole from 1886'-1902'

Plugged with clay, stone, cement from 1902'-2952' in 1954. 4" tubing was cut and believed to have been left in the well. See well records.

TD 2952'

02/03/2023



1) Date: 11/28/2022 **4705100184** **02/23/2023**  
2) Operator's Well Number Victory B 2449  
3) API Well No.: 47 - 051 - 001640000

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS  
**NOTICE OF APPLICATION TO PLUG AND ABANDON A WELL**

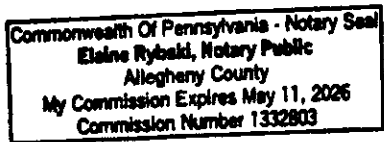
<b>4) Surface Owner(s) to be served:</b>	<b>5) (a) Coal Operator</b>
(a) Name <u>Revocable Living Trust of M. Peggy Gribben</u>	Name <u>Marshall County Coal Resources, Inc.</u>
Address <u>53 Royal Birkdale Drive</u>	Address <u>46226 National Road</u>
<u>Springboro, OH 45066</u>	<u>St. Clairsville, OH 43950</u>
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>Consol RCPC, LLC</u>
(c) Name _____	Address <u>1000 Consol Energy Drive</u>
Address _____	<u>Canonsburg, PA 15317</u>
(6) Inspector <u>Strader Gower</u>	(c) Coal Lessee with Declaration
Address <u>2625 West Alexander Road</u>	Name <u>N/A</u>
<u>Valley Grove, WV 26060</u>	Address _____
Telephone <u>(304) 993-6188</u>	_____

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

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

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

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



Well Operator	<u>Columbia Gas Transmission, LLC</u>	RECEIVED Office of Oil and Gas <b>JAN 06 2023</b> WV Department of Environmental Protection
By:	<u>Brad Nelson</u>	
Its:	<u>Storage Engineer</u>	
Address	<u>455 Racetrack Road</u>	
Telephone	<u>Washington, PA 15301</u> <u>724-250-0610</u>	

Subscribed and sworn before me this 28 day of November 2022  
Elaine Rybicki Notary Public  
My Commission Expires 5/11/2026

Oil and Gas Privacy Notice

Commonwealth of Pennsylvania  
County of Allegheny

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

47 051 00164 02/23/2023

**Columbia Gas Transmission, LLC**

1700 MacCorkle Ave., SE, Charleston, WV, USA 25325



December 14, 2022

Marshall County Coal Resources, Inc.  
46226 National Road  
St. Clairsville, OH 43950

TC Energy (Columbia Gas Transmission, LLC), an underground natural gas storage operator, is planning to work over or abandon the following storage wells in Marshall County, WV. Records indicate that Marshall County Coal Resources, Inc. is coal operator and or lessee.

- Victory B 2097 (API # 47-051-00483-00-00) – Stimulation
- Victory B 2388 (API # 47-051-00394-00-00) – Plug and Abandon
- **Victory B 2449** (API # 47-051-00164-00-00) – Plug and Abandon
- Victory B 4552 (API # 47-051-00361-00-00) – Plug and Abandon

To comply with WV DEP Code, TC Energy (Columbia) is required to provide the coal owner the following documents as notification and for processing.

- WV DEP form WW-2A (Notice and Application for a Well Work Permit) if Stimulation
- WV DEP form WW-2B (Well Work Permit Application) if Stimulation
- WV DEP form WW-4A (Notice of Application to Plug and Abandon a Well) – if P&A
- WV DEP form WW-4B (Application for a Permit to Plug and Abandon) – if P&A
- WV DEP form WW-7 (if P&A) or copy of survey plat (if Stimulation)
- WV DEP form WW-9 (Fluids/Cuttings Disposal & Reclamation Plan)

If you have questions, feel free to call.

Regards,

A handwritten signature in blue ink that reads "Brad Nelson".

Brad Nelson  
Storage Engineer  
TC Energy (Columbia Gas Transmission, LLC)  
brad\_nelson@tcenergy.com  
off: 724-223-2753  
cell: 724-250-0610

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4705100164

7022 0410 0000 1303 1583

# U.S. Postal Service™ CERTIFIED MAIL® RECEIPT

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Saint Clairsville, OH 43950

**OFFICIAL USE**

Certified Mail Fee	\$4.00
Extra Services & Fees (check box, add fee as appropriate)	\$7.88
<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	\$9.55
Total Postage and Fees	\$16.80

0024  
 FEB 16 2023  
 Postmark Here  
 12/15/2022

Sent To  
 Marshall County Coal Reserves, Inc.  
 Street and Apt. No., or PO Box No.  
 46226 National Road  
 City, State, ZIP+4®  
 St. Clairsville, OH 43950

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

### Certified Mail service provides the following benefits:

- A receipt (this portion of the Certified Mail label).
  - A unique identifier for your mailpiece.
  - Electronic verification of delivery or attempted delivery.
  - A record of delivery (including the recipient's signature) that is retained by the Postal Service™ for a specified period.
- Important Reminders:**
- You may purchase Certified Mail service with First-Class Mail®, First-Class Package Service®, or Priority Mail® service.
  - Certified Mail service is *not* available for international mail.
  - Insurance coverage is *not* available for purchase with Certified Mail service. However, the purchase of Certified Mail service does not change the insurance coverage automatically included with certain Priority Mail items.
  - For an additional fee, and with a proper endorsement on the mailpiece, you may request the following services:
    - Return receipt service, which provides a record of delivery (including the recipient's signature). You can request a hardcopy return receipt or an electronic version. For a hardcopy return receipt, complete PS Form 3811, *Domestic Return Receipt*; attach PS Form 3811 to your mailpiece;
- for an electronic return receipt, see a retail associate for assistance. To receive a duplicate return receipt for no additional fee, present this USPS®-postmarked Certified Mail receipt to the retail associate.
- Restricted delivery service, which provides delivery to the addressee specified by name, or to the addressee's authorized agent.
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- IMPORTANT: Save this receipt for your records.**

PS Form 3800, April 2015 (Reverse) PSN 7530-02-000-9047

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Office of Oil and Gas

JAN 06 2023

WV Dept of Environmental Protection

<p><b>SENDER: COMPLETE THIS SECTION</b></p> <ul style="list-style-type: none"> <li>■ Complete items 1, 2, and 3.</li> <li>■ Print your name and address on the reverse so that we can return the card to you.</li> <li>■ Attach this card to the back of the mailpiece, or on the front if space permits.</li> </ul> <p>1. Article Addressed to:</p> <p>Marshall County Coal Reserves, Inc.        46226 National Road        St. Clairsville, OH 43950</p> <p>2. Article Number (Transfer from service label)</p> <p>7022 0410 0000 1303 1583</p>	<p><b>COMPLETE THIS SECTION ON DELIVERY</b></p> <p>A. Signature  <input checked="" type="checkbox"/> Agent  <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name)        Rick Mess</p> <p>C. Date of Delivery        12-16-22</p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes        If YES, enter delivery address below: <input type="checkbox"/> No</p> <p>3. Service Type</p> <table border="0"> <tr> <td><input type="checkbox"/> Adult Signature</td> <td><input type="checkbox"/> Priority Mail Express®</td> </tr> <tr> <td><input type="checkbox"/> Adult Signature Restricted Delivery</td> <td><input type="checkbox"/> Registered Mail™</td> </tr> <tr> <td><input type="checkbox"/> Certified Mail®</td> <td><input type="checkbox"/> Registered Mail Restricted Delivery</td> </tr> <tr> <td><input type="checkbox"/> Certified Mail Restricted Delivery</td> <td><input type="checkbox"/> Signature Confirmation™</td> </tr> <tr> <td><input type="checkbox"/> Collect on Delivery</td> <td><input type="checkbox"/> Signature Confirmation™ Restricted Delivery</td> </tr> <tr> <td><input type="checkbox"/> Collect on Delivery Restricted Delivery</td> <td><input type="checkbox"/> Signature Confirmation™ Restricted Delivery</td> </tr> <tr> <td><input type="checkbox"/> Insured Mail</td> <td><input type="checkbox"/> Restricted Delivery</td> </tr> </table>	<input type="checkbox"/> Adult Signature	<input type="checkbox"/> Priority Mail Express®	<input type="checkbox"/> Adult Signature Restricted Delivery	<input type="checkbox"/> Registered Mail™	<input type="checkbox"/> Certified Mail®	<input type="checkbox"/> Registered Mail Restricted Delivery	<input type="checkbox"/> Certified Mail Restricted Delivery	<input type="checkbox"/> Signature Confirmation™	<input type="checkbox"/> Collect on Delivery	<input type="checkbox"/> Signature Confirmation™ Restricted Delivery	<input type="checkbox"/> Collect on Delivery Restricted Delivery	<input type="checkbox"/> Signature Confirmation™ Restricted Delivery	<input type="checkbox"/> Insured Mail	<input type="checkbox"/> Restricted Delivery
<input type="checkbox"/> Adult Signature	<input type="checkbox"/> Priority Mail Express®														
<input type="checkbox"/> Adult Signature Restricted Delivery	<input type="checkbox"/> Registered Mail™														
<input type="checkbox"/> Certified Mail®	<input type="checkbox"/> Registered Mail Restricted Delivery														
<input type="checkbox"/> Certified Mail Restricted Delivery	<input type="checkbox"/> Signature Confirmation™														
<input type="checkbox"/> Collect on Delivery	<input type="checkbox"/> Signature Confirmation™ Restricted Delivery														
<input type="checkbox"/> Collect on Delivery Restricted Delivery	<input type="checkbox"/> Signature Confirmation™ Restricted Delivery														
<input type="checkbox"/> Insured Mail	<input type="checkbox"/> Restricted Delivery														

USPS TRACKING#

9590 9402 6648 1060 3610 36

United States Postal Service

First-Class Mail Postage & Fees Paid USPS Permit No. G-10

\* Sender: Please print your name, address, and ZIP+4® in this box\*

Brad Nelson  
 216 Cedarville Street  
 Apt. 2  
 Pittsburgh, PA 15224

02/03/2023

02/23/2023

**Columbia Gas Transmission, LLC**

1700 MacCorkle Ave., SE, Charleston, WV, USA 25325



December 14, 2022

Consol RCPC, LLC  
1000 Consol Energy Drive  
Canonsburg, PA 15317

TC Energy (Columbia Gas Transmission, LLC), an underground natural gas storage operator, is planning to work over or abandon the following storage wells in Wetzel County, WV and Marshall County, WV. Records indicate that Consol RCPC, LLC owns the coal on subject properties.

- Victory A 3525 (API # 47-103-00153-00-00) – Stimulation
- Victory B 2097 (API # 47-051-00483-00-00) – Stimulation
- Victory B 2388 (API # 47-051-00394-00-00) – Plug and Abandon
- **Victory B 2449** (API # 47-051-00164-00-00) – Plug and Abandon
- Victory B 4552 (API # 47-051-00361-00-00) – Plug and Abandon

To comply with WV DEP Code, TC Energy (Columbia) is required to provide the coal owner the following documents as notification and for processing.

- WV DEP form WW-2A (Notice and Application for a Well Work Permit) if Stimulation
- WV DEP form WW-2B (Well Work Permit Application) if Stimulation
- WV DEP form WW-4A (Notice of Application to Plug and Abandon a Well) – if P&A
- WV DEP form WW-4B (Application for a Permit to Plug and Abandon) – if P&A
- WV DEP form WW-7 (if P&A) or copy of survey plat (if Stimulation)
- WV DEP form WW-9 (Fluids/Cuttings Disposal & Reclamation Plan)

If you have questions, feel free to call.

Regards,

A handwritten signature in blue ink that reads "Brad Nelson".

Brad Nelson  
Storage Engineer  
TC Energy (Columbia Gas Transmission, LLC)  
brad\_nelson@tcenergy.com  
off: 724-223-2753  
cell: 724-250-0610

RECEIVED  
Office of Oil and Gas

JAN 06 2023

WV Department of  
Environmental Protection

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

02/03/2023

02/23/2023

47 05 100 164

7222 0410 0000 1303 1569

**U.S. Postal Service™**  
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 Domestic Mail Only

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

Caronsburg, PA 15317

**OFFICIAL USE**

Certified Mail Fee	\$4.00
Extra Services & Fees (check box, add fee as appropriate)	\$7.85
<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	\$9.55
<b>Total Postage and Fees</b>	<b>\$16.80</b>

Postmark Here  
 0024 07  
 12/15/2022

Sent To  
**CONSOL RCPC, LLC**  
 Street and Apt. No., or PO Box No.  
**1000 Consol Energy Drive**  
 City, State, ZIP+4®  
**Caronsburg, PA 15317**

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

**Certified Mail service provides the following benefits:**

- A receipt (this portion of the Certified Mail label).
- A unique identifier for your mailpiece.
- Electronic verification of delivery or attempted delivery.
- A record of delivery (including the recipient's signature) that is retained by the Postal Service™ for a specified period.

**Important Reminders:**

- You may purchase Certified Mail service with First-Class Mail®, First-Class Package Service®, or Priority Mail® service.
- Certified Mail service is *not* available for international mail.
- Insurance coverage is *not* available for purchase with Certified Mail service. However, the purchase of Certified Mail service does not change the insurance coverage automatically included with certain Priority Mail items.
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PS Form 3800, April 2015 (Reverse) PSN 7530-02-000-9047

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 Office of Oil and Gas  
 JAN 06 2023  
 WV Department of  
 Environmental Protection

**SENDER: COMPLETE THIS SECTION**

- 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.

1. Article Addressed to:  
**CONSOL RCPC, LLC**  
**1000 Consol Energy Drive**  
**Caronsburg, PA 15317**

2. Article Number (Transfer from service label)  
**7222 0410 0000 1303 1569**

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

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature  
 Agent  
 Addressee

B. Received by (Printed Name)  
 Yes  
 No

C. Date of Delivery

D. Is delivery address different from item 1?  
 If YES, enter delivery address below:

3. Service Type  
 Adult Signature  
 Adult Signature Restricted Delivery  
 Certified Mail®  
 Certified Mail Restricted Delivery  
 Collect on Delivery  
 Collect on Delivery Restricted Delivery  
 Insured Mail  
 Insured Mail Restricted Delivery (\$500)

Priority Mail Express®  
 Registered Mail™  
 Registered Mail Restricted Delivery  
 Signature Confirmation™  
 Signature Confirmation Restricted Delivery

USPS TRACKING #

9590 9402 6648 1060 3610 50

United States Postal Service

\* Sender: Please print your name, address, and ZIP+4® in this box\*

**Brad Nelson**  
**216 Cadville Street**  
**Apt. 2**  
**Pittsburgh, PA 15224**

First-Class Mail  
 Postage & Fees Paid  
 USPS  
 Permit No. G-10

02/03/2023

47 05 100 164 02/23/2023

Columbia Gas Transmission, LLC  
1700 MacCorkle Ave., SE, Charleston, WV, USA 25325



December 14, 2022

Revocable Living Trust of M. Peggy Gribben  
53 Royal Birkdale Drive  
Springboro, OH 45066

TC Energy (Columbia Gas Transmission, LLC) is applying for a permit to the WV Department of Environmental Protection – Office of Oil and Gas, to plug and abandon an existing underground natural gas storage well located on property owned by you. As reference, the field and well ID is Victory B 2449 (API # 47-051-00164-00-00).

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

If you have questions, feel free to call.

Regards,

A handwritten signature in blue ink that reads "Brad Nelson".

Brad Nelson  
Storage Engineer  
TC Energy (Columbia Gas Transmission, LLC)  
brad\_nelson@tcenergy.com  
off: 724-223-2753  
cell: 724-250-0610

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Office of Oil and Gas  
JAN 06 2023  
WV Department of  
Environmental Protection

02/23/2023

4705100164

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

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

Springboro, OH 45066

**OFFICIAL USE**

Certified Mail Fee	\$4.00
Extra Services & Fees (check box, add fee as appropriate)	\$7.75
<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	\$2.40
Total Postage and Fees	\$9.65

Postmark Here  
DEC 15 2022  
0024 07

12/15/2022

Sent To: Reverable Livvy Trust of M. Peggy Gribben  
Street and Apt. No., or PO Box No.  
53 Royal Birkdale Drive  
City, State, ZIP+4®  
Springboro, OH 45066

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

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For an electronic return receipt, see a retail associate for assistance. To receive a duplicate return receipt for no additional fee, present this USPS®-postmarked Certified Mail receipt to the retail associate.

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PS Form 3800, April 2015 (Reverse) PSN 7530-02-000-9047

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Office of Oil and Gas  
JAN 06 2023  
WV Department of  
Environmental Protection

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- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:  
Reverable Livvy Trust of M. Peggy Gribben  
53 Royal Birkdale Drive  
Springboro, OH 45066

2. Article Number (Transfer from service label)  
7022 0410 0000 1303 1637

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

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature  
[Signature]  Agent  Addressee

B. Received by (Printed Name) [Name] C. Date of Delivery 12/20/22

D. Is delivery address different from item 1?  Yes  No  
If YES, enter delivery address below:  No

3. Service Type  
 Adult Signature  Priority Mail Express®  
 Adult Signature Restricted Delivery  Registered Mail™  
 Certified Mail®  Registered Mail Restricted Delivery  
 Certified Mail Restricted Delivery  Signature Confirmation™  
 Collect on Delivery  Signature Confirmation™  
 Collect on Delivery Restricted Delivery  Restricted Delivery  
 Insured Mail  Restricted Delivery

9590 9402 6648 1060 3609 78

USPS TRACKING #

9590 9402 6648 1060 3609 78

United States Postal Service

First-Class Mail Postage & Fees Paid USPS Permit No. G-10

\* Sender: Please print your name, address, and ZIP+4® in this box\*

Brad Nelson  
216 Cedarville Street  
Apt. 2  
Pittsburgh, PA 15224

12/21

02/03/2023



WW-9  
(5/16)

4705100164

API Number 47 - 051 - 00144000  
Operator's Well No. \_\_\_\_\_

02/03/2023

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) Upper Fish Creek Quadrangle Littleton, WV

Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes  No

Will a pit be used? Yes  No

If so, please describe anticipated pit waste: Fresh water, cement returns, bentonite gel, NaCl salt

Will a synthetic liner be used in the pit? Yes  No  If so, what ml? 20

Proposed Disposal Method For Treated Pit Wastes:

- Land Application (if selected provide a completed form WW-9-GPP)
- Underground Injection ( UIC Permit Number 34-119-28776, 34-167-23862 )
- Reuse (at API Number \_\_\_\_\_ )
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain Appalachian Water Services, Station W1 Ronco WTP, Maasontown, PA - Permit 2808201)

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

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

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

Additives to be used in drilling medium? \_\_\_\_\_

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) Subsolia

-Landfill or offsite name/permit number? \_\_\_\_\_

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

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

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

Company Official Signature Brad Nelson  
 Company Official (Typed Name) Brad Nelson  
 Company Official Title Storage Engineer

Commonwealth Of Pennsylvania - Notary Seal
Elaine Rybski, Notary Public
Allegheny County
My Commission Expires May 11, 2026
Commission Number 1332803

Subscribed and sworn before me this 28 day of November, 2022

Elaine Rybski Elaine Rybski Notary Public

My commission expires 5/11/2026 Commonwealth of Pennsylvania

County of Allegheny 02/03/2023

Proposed Revegetation Treatment: Acres Disturbed <1.0 Prevegetation pH 6.5

Line 2 Tons/acre or to correct to pH 7

Fertilizer type 10-10-10

Fertilizer amount 600 lbs/acre

Mulch 2 Tons/acre

**Seed 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

**For wetland areas: Annual Rye (40 lbs/acre) until indigenous plants re-establish cover.**

**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: Shadrach Gower

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

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JAN 06 2023

WV Department of  
Environmental Protection

Title: Inspector Oil & Gas

Date: 12/14/2022

Field Reviewed? (  ) Yes (  ) No

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): Upper Fish Creek Quad: Littleton, WV  
Farm Name: \_\_\_\_\_

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

No fertilizer will be stored on site. Small quantities of fuel, oil, and lubricants will be stored on site, but located within secondary containment.  
Accidental release from well fluids and spills from construction equipment are the only sources of contaminate to groundwater.  
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 equipment will be inspected 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.

The closest water body is Fish Creek, approximately 1400 feet to the N.  
The nearest Wellhead Protection area is 5.4 mi. to the SE (WV3305202 - Hundred Littleton PSD).

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JAN 06 2023

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

N/A

WV Dept. of Environmental Protection

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

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 meetings groundwater protection will be a topic of discussion.

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**JAN 06 2023**

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

No fertilizer will be stored on site. Small quantities of fuel, oil, and lubrications will be stored on site, but located within secondary containment. Construction equipment will be inspected daily for leaks or spill.

Signature: Strader Gower

Date: 12/14/2022

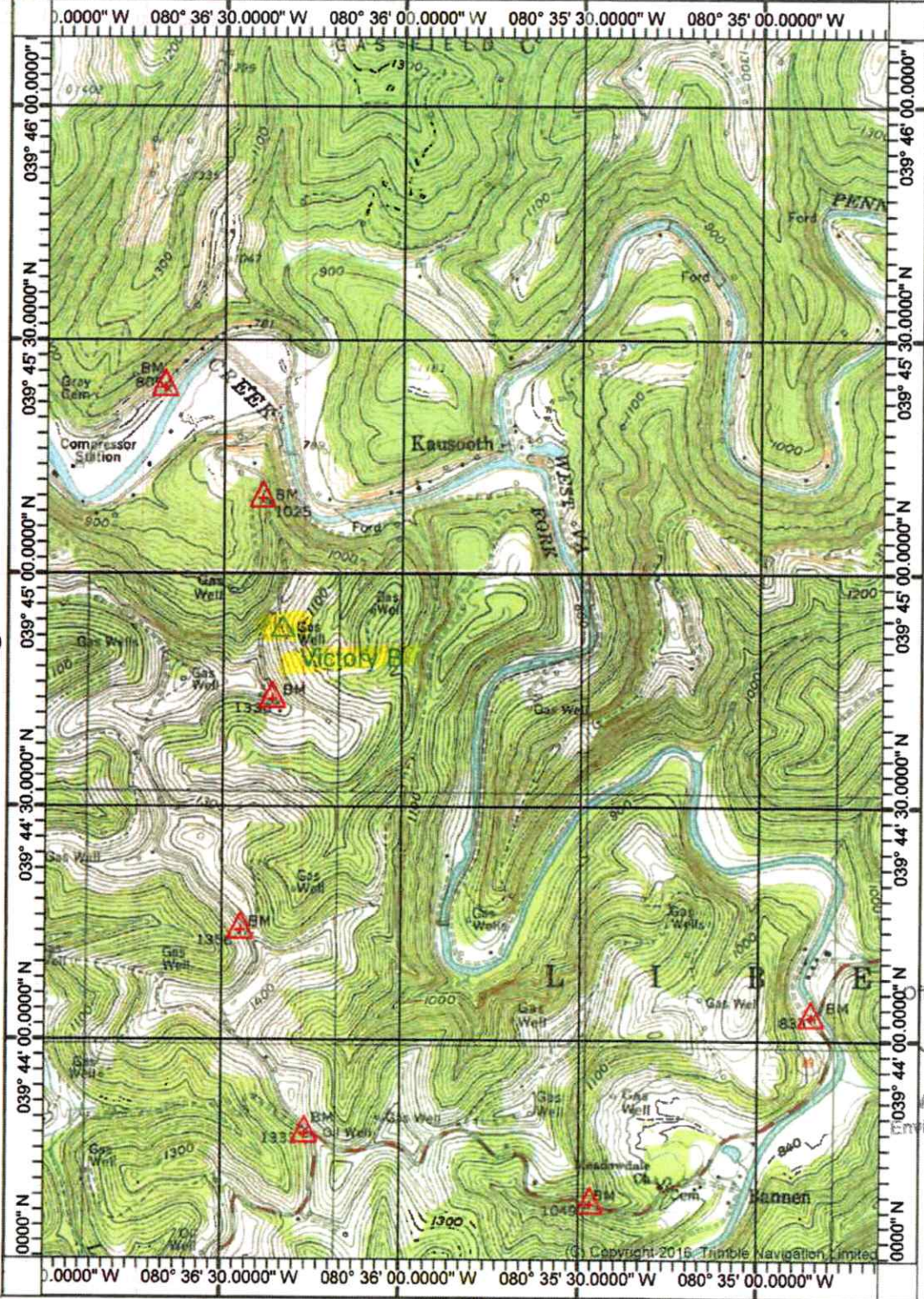
080° 36' 59.7839" W  
 039° 46' 08.8489" N

(CAMERON)

080° 34' 38.7412" W  
 039° 46' 08.8489" N

(WILEYVILLE)

(HUNDRED)



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 Office of Oil and Gas  
 JAN 06 2023  
 WV Department of  
 Environmental Protection

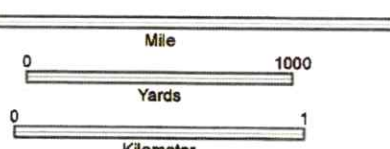
(PINE GROVE)

(GLOVER GAP)

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 9M N and  
 17M E

Declination  
 GN 0.26° E  
 MN 8.69° W

(BIG RUN)  
 SCALE 1:24000



CONTOUR INTERVAL 20 FT

39080-F4-TM-024  
 LITTLETON, WV  
 JAN 1, 1998

02/23/2023

47 05 100 164

WW-7  
8-30-06



West Virginia Department of Environmental Protection  
Office of Oil and Gas  
**WELL LOCATION FORM: GPS**

API: 47-051-00164-00-00 WELL NO.: Victory B 2449

FARM NAME: CLARK, F. M.

RESPONSIBLE PARTY NAME: Brad Nelson

COUNTY: Marshall DISTRICT: Liberty

QUADRANGLE: Littleton, WV

SURFACE OWNER: Revocable Living Trust of M. Peggy Gribben

ROYALTY OWNER: Carol E. Kiger; Greenfield Resources, LLC

UTM GPS NORTHING: 4399873.94 m

UTM GPS EASTING: 533792.28 m GPS ELEVATION: 358.579 m

The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit or assigned API number on the above well. The Office of Oil and Gas will not accept GPS coordinates that do not meet the following requirements:

- Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
- Accuracy to Datum – 3.05 meters
- Data Collection Method:

Survey grade GPS x: Post Processed Differential X

Real-Time Differential \_\_\_\_\_

Mapping Grade GPS \_\_\_\_\_: Post Processed Differential \_\_\_\_\_

Real-Time Differential \_\_\_\_\_

- Letter size copy of the topography map showing the well location.**

I the undersigned, hereby certify this data 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 Office of Oil and Gas.

Brad Nelson  
Signature

Storage Engineer  
Title

12/12/2022  
Date

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Office of Oil and Gas  
JAN 06 2023  
WV Department of  
Environmental Protection

02/03/2023

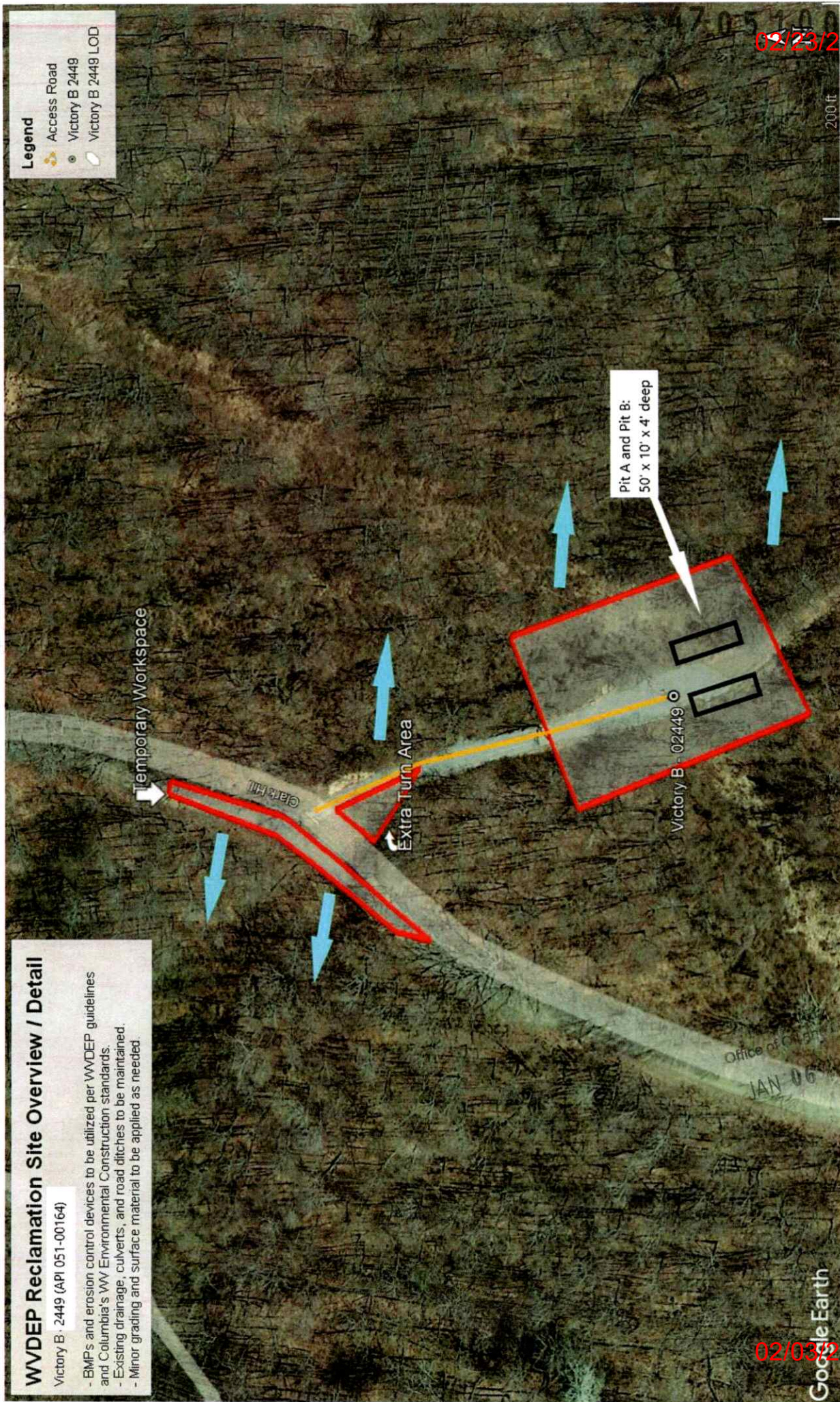
### WVDEP Reclamation Site Overview / Detail

Victory B: 2449 (API 051-00164)

- BMPs and erosion control devices to be utilized per WVDEP 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

- Access Road
- Victory B 2449
- Victory B 2449 LOD



02/23/2023

02/03/2023

Office of Compliance  
JAN 06 2023

Google Earth

200 ft

02/23/2023

47 05 100 164

**PROPOSED MANNER OF PLUGGING AND FILLING WELL**  
(REQUIRED BY RULES AND REGULATIONS)

WEST VIRGINIA DEPARTMENT OF MINES  
OIL AND GAS DIVISION

**WORK ORDER**

**PARTIAL**

Well to be plugged and filled as follows:

<b>TOTAL DEPTH</b>	<b>2732</b>	
<b>Concrete</b>	<b>2732</b>	<b>2700</b>
<b>Clay</b>	<b>2700</b>	<b>2660</b>
<b>Stone</b>	<b>2660</b>	<b>2620</b>
<b>Concrete</b>	<b>2620</b>	<b>2580</b>
<b>Stone</b>	<b>2580</b>	<b>2500</b>

Run cement to 2" tubing from 2732 to 2700, and after cement sets cut 2" tubing and pull

After September survey hole a lead plug will be driven to the bottom of the 2" tubing and the upper end will be filled with cement and another lead plug driven to top of seal.

Well to be used for storage in Mann Sand.

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WV Department of  
Environmental Protection

To the Department of Mines  
Coal Owner or Operator,  
Lease or Property Owner.

Gentlemen:

This "work order" is submitted for your approval and concurrence and unless notified of your disapproval or non-concurrence, the undersigned will proceed with the plugging and filling of said well in the above described manner on the date stated in the notice of intention to plug and abandon the said well on opposite side of this sheet.

Very truly yours,

Well Operator.

No objections have been filed by the coal owner or coal operator, or any available adjacent lease or property owners or interposed by the Department of Mines to the manner herein described for the plugging and filling of the well above mentioned. Therefore, the same is hereby approved this

\_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_\_

DEPARTMENT OF MINES  
Oil and Gas Division

By: \_\_\_\_\_

NOTE: This "work order" shall be filed in triplicate, one copy for the files of the Department of Mines; one to be approved or corrected and returned to the well operator as his authority for plugging said well; and one for the well inspector.

02/03/2023



4705100164  
L-814-V

FORM 08-8

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

4705100164

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE. ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

COAL OPERATOR OR OWNER	<b>The Newfoundland Light &amp; Heat Co</b>
ADDRESS	<b>1200 Union Street Building Pittsburgh, Penna.</b>
COAL OPERATOR OR OWNER	<b>February T. Liberty</b>
ADDRESS	<b>1933</b>
LEASE OR PROPERTY OWNER	<b>Marshall</b>
ADDRESS	<b>Well No. 2549</b>
	<b>Julia Clark</b> Farm

STATE INSPECTOR SUPERVISING PLUGGING.

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AFFIDAVIT

STATE OF WEST VIRGINIA,  
County of **Marshall** } SS:

JAN 06 2023

WV Department of Environmental Protection

being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by **The Mine, Light & Heat Co** well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 8 day of January, 1933, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD FORMATION	FILLING MATERIAL	PLUGS USED SIZE & KIND	CASING	
			CSS PULLED	CSS LEFT IN
2525 to 2530	Gravel		1 1/2" tubing	1 1/2" tubing
2530 to 2535	Gravel			7" casing
2535 to 2540	Clay & shale			10"
2540 to 2545	Gravel			
2545 to 2550	Clay & shale			
2550 to 2555	Gravel			
2555 to 2560	Clay & shale			
2560 to 2565	Gravel			
2565 to 2570	Clay & shale			
2570 to 2575	Gravel			
2575 to 2580	Clay & shale			
2580 to 2585	Gravel	6" Lead Plug		
2585 to 2590	Gravel	6" Lead Plug		
2590 to 2595	Gravel			
2595 to 2600	Gravel			
COAL SEAMS	Gravel from 2540 to 2580			
(NAME) <b>Madison</b>	257 to 258			
(NAME) <b>Waynesburg</b>	258 to 259			
(NAME) <b>Pittsburgh</b>	259 to 260			
(NAME)				

and that the work of plugging and filling said well was completed on the 17 day of January, 1933

And further deponents saith not.

Sworn to and subscribed before me this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_.

My commission expires:

Notary Public.  
Permit No. \_\_\_\_\_

02/03/2023

The Manufacturers Light and Heat Company  
Company

02/23/2023  
4705100164

Division 4  
 Record of well No. 2449 on F. M. Clark Farm Acres  
Cameron Field Liberty Marshall County W. Va. State  
 Rig Commenced 19 Completed 19  
 Drilling Commenced Dec. 31 1954 Completed February 18, 1955  
 Contractor J. H. Cornell Address Uniontown, Pa.  
 Driller's Name George Fimmen and Kyle Clark

CASING AND TUBING RECORD

Conductor	13"	10"	8 1/4"	7"	6 5/8"	5 3/8"	4"	3"
Used in Drig.			954					
Left in wall		283'	130'	1902'				

PACKER RECORD

SHOOTING RECORD

Size	Depth Set	Type Packer	Date	Type Explosive	Amount	DEPTH		Volume Before Cu. Ft.	Volume After Cu. Ft.
						Top	Bottom		

VOLUME AND PRESSURE

Date	Reading in Inches	Liquid	Size Orifice	Volume	Sand	PRESSURE IN MIN.					24 Hour R. P.	Max. R. P.	Hours
						1	5	10	20	60			

TOTAL INITIAL OPEN FLOW

No gas to test

CUBIC FEET PER 24 HOURS

FORMATION	TOP	BOTTOM	THICKNESS	All casing measured over threads REMARKS
Native coal	560	563	3'	Run 283' of 10 3/4" casing, SM. No. 32.75'
Mapletown Coal	750	753	3'	on steel shoe. Run 962' of 8 5/8" casing,
Pittsburgh Coal	850	858	8'	SM. 355. 2 1/2' and connected it to 3 1/2' of
Warton Sand	1887	1902	15'	original casing with a steel die nipple.
Depth		1902		Cemented between the 10 3/4" and 8 5/8" with 225 bags cement. Return of water but no return of cement at surface.
				Run 1902' of 7" casing, SM. 355. 20' on steel shoe. Cemented between 7" and 8 5/8" casing with 300 bags cement, good return of cement at surface. Used 92 bags cement to fill hole from 8950' to 1902'
				7" casing set at 1887'

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Examined above information and found to be correct by

Examined and Approved by

Contractor

Field Supervisor

NOTE—The above blank must be filled out carefully by the contractor, with a complete and accurate record of the well, and accompany, when presented for payment of the bill for drilling. All formations and known sands must be given by their proper name, with steel line measurements, and under the head of "Remarks" must be recorded in what sand and at what depth Oil, Gas or water was found, the quantity of same, the quality of the sand, and thickness of pay.

02/03/2023

02/23/2023

47 05 100 164

WELL RECORD

The Manufacturers Light and Heat Co.

Well No. 2119

Farm F. W. Glass

District Liberty

County Marshall, W. Va.

State W. Va.

Owned by

Division A

Date 19 58

Entered W. R. Book Folio

By

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02/03/2023

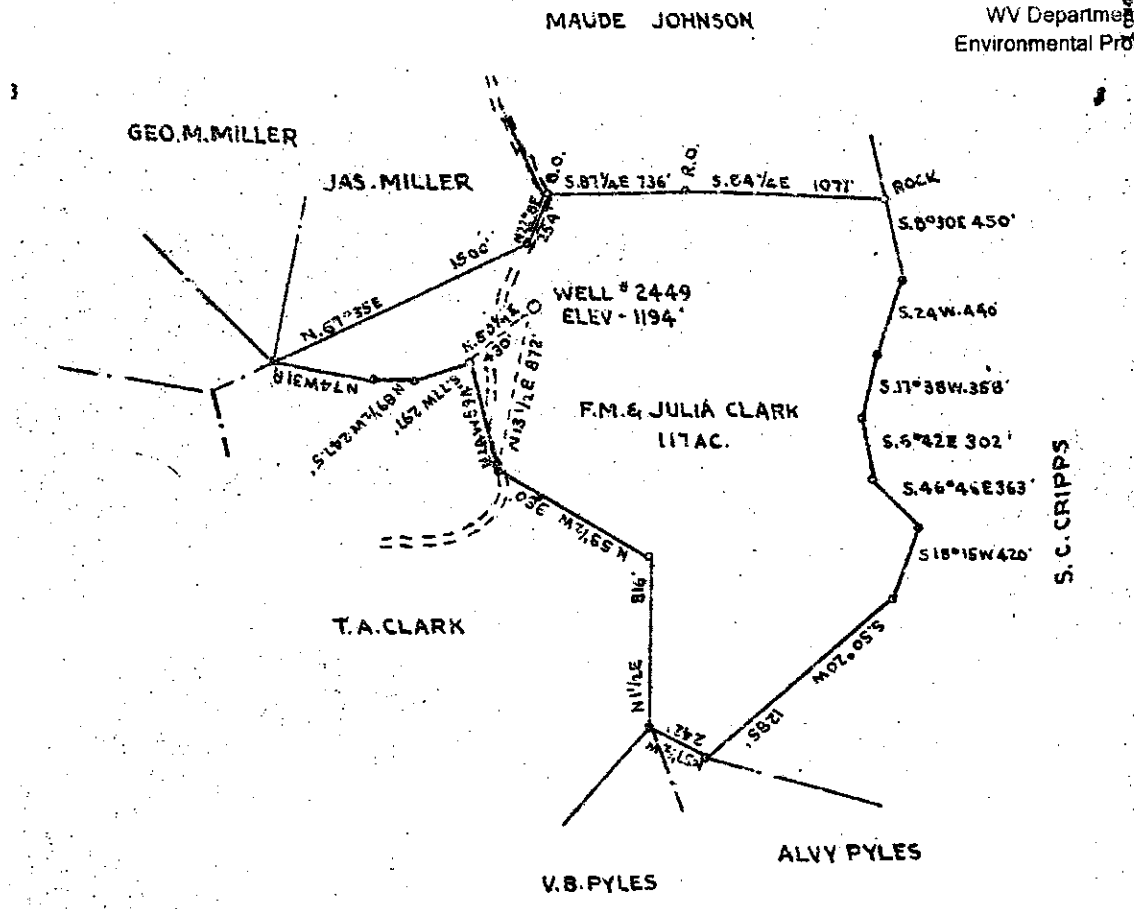
02/23/2023

LATITUDE 47° 05' 10.0" 164

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JAN 06 2023

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Environmental Protection



WELL OWNED BY BELTON FUEL COMPANY  
UNIONTOWN PA.

WELL LOCATION   
WELL DEEPER   
WELL ABANDONMENT

COMPANY THE MANUFACTURERS LIGHT AND HEAT CO.  
 OFFICES 600 UNION TRUST BLDG. PITTSBURGH PA.  
 NAME F.M. CLARK NOW LAWRENCE SIMMONS  
 ACRES 117 CASE No. 4041  
 WELL (FARM) No. 1 SERIAL No. 2449  
 ELEVATION (SPIRIT LEVEL) 1194'  
 TOWNSHIP LITTLETON  
 COUNTY MARSHALL DISTRICT LIBERTY  
 ENGINEER Jessamine  
 ENGINEER'S REGISTRATION No. \_\_\_\_\_  
 DRAWING No. Y-11-153  
 DATE JUNE 27 1945 SCALE 1" = 800'

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION  
CHARLESTON

WELL LOCATION MAP

FILE No. MARS-164-D

+ DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS, SCALE 1 TO 62,500. LATITUDE AND LONGITUDE LINES BEING REPRESENTED BY BORDER LINES AS SHOWN.

- DENOTES ONE INCH SPACES ON BORDER LINE OF ORIGINAL TRACING.

02/03/2023



02/23/2023

4705100164

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

~~PERMIT PLAN~~  
**NOTICE OF INTENTION TO ABANDON WELL**  
(REQUIRED BY SECTION 9, ARTICLE 4, CHAPTER 22 OF THE CODE)

RECEIVED  
Office of Oil and Gas

JAN 06 2023

WV Department of  
Environmental Protection

To THE DEPARTMENT OF MINES,  
Charleston, W. Va.

Coal Operator or Coal Owner	<u>The Manufacturers Light &amp; Heat Company</u>
Address	<u>200 Union Trust Building</u> <u>Pittsburgh 13, Pennsylvania</u>
Coal Operator or Coal Owner	<u>November 27, 1924</u> 19 <u>24</u>
Address	<u>Liberty</u> District <u>Marshall</u> County
Lease or Property Owner	Well No. <u>210</u>
Address	<u>F. J. Clark</u> Farm

Gentlemen:—

The undersigned well operator is about to abandon the above described well and will commence the work of plugging and abandoning said well on the 13<sup>th</sup> day of December, 1924, (which date shall not be less than five days after the day on which this notice so mailed is received, or in due course should be received by the Department of Mines.)

This notice is given you in order that your respective representatives may be present at the plugging and filling of said well. You are further notified that whether you are represented or not represented the undersigned will proceed on that date, or shortly thereafter, to plug and fill said well in the manner required by Section 10, Article 4, Chapter 22 of the Code and given in detail on the reverse side of this notice, in "Work Order."

This notice is being mailed by registered mail to each of you at the above addresses on the above date.

Very truly yours,

\_\_\_\_\_  
Well Operator.

NOTE: Upon the abandonment of all wells drilled prior to June 1, 1929, a plat prepared by a competent engineer, showing the district and county in which the tract of land is located, the name and acreage of same, the names of the owners and adjacent tracts, and the location of the about to be abandoned well, determined by survey, and the courses and distances of such well from two permanent points or landmarks on said tract, shall be submitted with this notice.

(Over)

\_\_\_\_\_  
PERMIT NUMBER

02/03/2023

02/23/2023



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

**plugging permit issued 4705100394 4705100164**

2 messages

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

Tue, Jan 31, 2023 at 1:54 PM

To: maria\_medvedeva@tcenergy.com, Strader C Gower <strader.c.gower@wv.gov>, ebuzzard@marshallcountywv.org, Austin Sutler <asutler@dgoc.com>

To whom it may concern, plugging permits have been issued for 4705100394 4705100164.

James Kennedy

WVDEP OOG

**4 attachments**

**4705100164.pdf**  
3837K

**IR-8 4705100164.pdf**  
120K

**4705100394.pdf**  
3597K

**IR-8 4705100394.pdf**  
120K

**Austin Sutler** <asutler@nextlvenergy.com>

Tue, Jan 31, 2023 at 1:59 PM

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

Was I supposed to get this one?

[Quoted text hidden]

02/03/2023