



west virginia department of environmental protection

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

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

Friday, January 20, 2023
WELL WORK PLUGGING PERMIT
Vertical Plugging

COLUMBIA GAS TRANSMISSION, LLC
1700 MACCORKLE AVENUE SE

CHARLESTON, WV 25314

Re: Permit approval for 4552
47-051-00361-00-00

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: 4552
Farm Name: MACKEY, J. H.
U.S. WELL NUMBER: 47-051-00361-00-00
Vertical Plugging
Date Issued: 1/20/2023

Promoting a healthy environment.

I

4705100361P

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. 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.

ch# 056243
12/16/22
\$100⁰⁰

4705100361P

- 1) Date December 13, 2022
- 2) Operator's
Well No. Victory B 4552
- 3) API Well No. 47-051 - 00361-0000

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 1150' Watershed Fish Creek
District Liberty County Marshall Quadrangle Cameron, 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

WELL JOB PLAN		Well Engineering & Technology		PAGE 3	DATE JOB PREPARED: 11/2/2022
Objective: Plug Well to WV DEP Specifications and per Coal Operator Agreement				LAST PROFILE UPDATE:	
TITLE: Plug and Abandonment		WELL: 4552		WORK TYPE: 0	
FIELD: Victory B				API: 47-051-00361	
STATE: WV	SHL (Lat/Long): 0.000000 0				
TWP: Liberty	BHL (Lat/Long): 0.000000 0	CNTY: Marshall			

PROCEDURE



- 1 Obtain NRP clearances, pipeline crossing eval, call before you dig notification, etc.
- 2 Obtain State plugging permit.
- 3 Obtain GWP and Well Review & Turnover Form.
- 4 Notify Reservoir Engineering & Geosciences (REG) of intent to take well out of service.
- 5 Install ECD's per EM&CP. Prepare access road and well site.
- 6 Service all wellhead valves.
- 7 Document initial tubing / casing / annular pressures.
- 8 Kill well.
- 9 Obtain CBL from TD to surface - keep hole full of fluid. Send CBL to WET engineer for evaluation.

* Note that procedure may require modifications based on CBL results - consult with WET engineer.

- 10 MIRU service rig.
- 11 NU 7-1/16" BOPs (double ram with blind & pipe + annular). Secure BOPs to eliminate free movement. Pressure test low/high to 250/2000 psig.
- 12 TIH with steel tooth bit and drill/clean to hard PBTD. *≈ 2210'*
- 13 Clean and stabilize open-hole. TOOH.
- 14 TBIH with cut-lip shoe and install balanced cement plug from PBTD to 1700'.
- 15 WOC and tag. If top of cement plug is deeper than 1870' then install second balanced cement plug.
- 16 Install cast-iron DBP above cement plug.
- 17 TIH and install balanced cement plug(s) from DBP to 1180' (~100' below depth of 8-5/8" csg shoe).
- 18 Install balanced expanding-type cement plug from top of last plug to 980'. Gypsum is often used as an additive to provide expansion properties or to prevent cement shrinkage. Before TOOH spot 6% bentonite gel from top of plug to approximately 100' below surface.
- 19 WOC and tag cmt. If solid cement top is deeper than 980' then consult with State inspector or reinstall plug.

** Well to be plugged per ACNR (coal operator) reimbursement agreement. Consult and communicate with State Inspector and ACNR daily to confirm all steps in procedure moving forward are acceptable and approved.*

20 Finish plugging well per ACNR reimbursement agreement based on the following scenarios.

- Scenario 1: Attempt to remove both casing strings (7" and 8-5/8") from a minimum depth of 10 feet below the base of the Pittsburgh Coal. If successful install a thixotropic cement plug dyed green across the Pittsburgh Coal and cement well to surface.
- Scenario 2: If only able to remove one string of casing from a depth below the Pittsburgh Coal, section mill the remaining casing string from a depth of 10 feet below to a depth of 10 feet above the Pittsburgh Coal. Install a thixotropic cement plug dyed green across the Pittsburgh Coal and cement well to surface.
- Scenario 3: If not able to remove any of the casing from a depth below the Pittsburgh Coal, utilize multi-string cutter to make 7 equally spaced cuts from a depth of 1 foot below to a depth of 1 foot above the Pittsburgh Coal. Install a thixotropic cement plug dyed green across the Pittsburgh Coal and cement well to surface.

- 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.

** OPERATOR WILL USE EXPANDING CEMENT TO SURFACE*

gwm

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

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~ not to scale ~

Victory B 4552
47-051-00361
Proposed P&A per Agreement
with Coal Operator
(as of 11/2/2022)

Best case scenario, pulling all casing below Pittsburgh Coal. If unsuccessful coal operator agreement will dictate options.

10-3/4" csg @ 239'
(cmt'd during/together with 8-5/8" csg - 250 sx total - no record if cement returned to surface)

Thixotropic green dyed cement across Pittsburgh Coal, per coal operator agreement.

Pittsburgh Coal 843 - 851'

8-5/8" csg @ 1080'
(cmt'd during/together with 8-5/8" csg - 250 sx total - no record if cement returned to surface)

Sea Level @ 1150 ft.

Expanding cement

Freeport Coal 1433 - 1443'

Gas Sand 1447 - 1474'

1st Salt Sand 1512 - 1555'

2nd Salt Sand 1624 - 1666'

3rd Salt Sand 1745 - 1782'

Maxton 1891 - 1941'

Big Lime 1953 - 1984'

Big Injun 1988 - 2232' (Storage)

Dark grey shading indicates cement installed during P&A

Light grey shading indicates cement prior to P&A

Mechanical bridge plug

7" 20# csg @ 1972'
(cmt'd w/ 250 sx - calculated annular height 3600' - no record of returns)

2210'

Plugged back 2355 - 2210' with cement

2355'

Plugged back to 2355' - no record of material used

Gordon Stray 2791 - 2806'

Gordon 2840 - ?????'

TD 2852'

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Victory B 4552

47-051-00361

Prior to P&A

(as of 6/29/2022)

~ not to scale ~

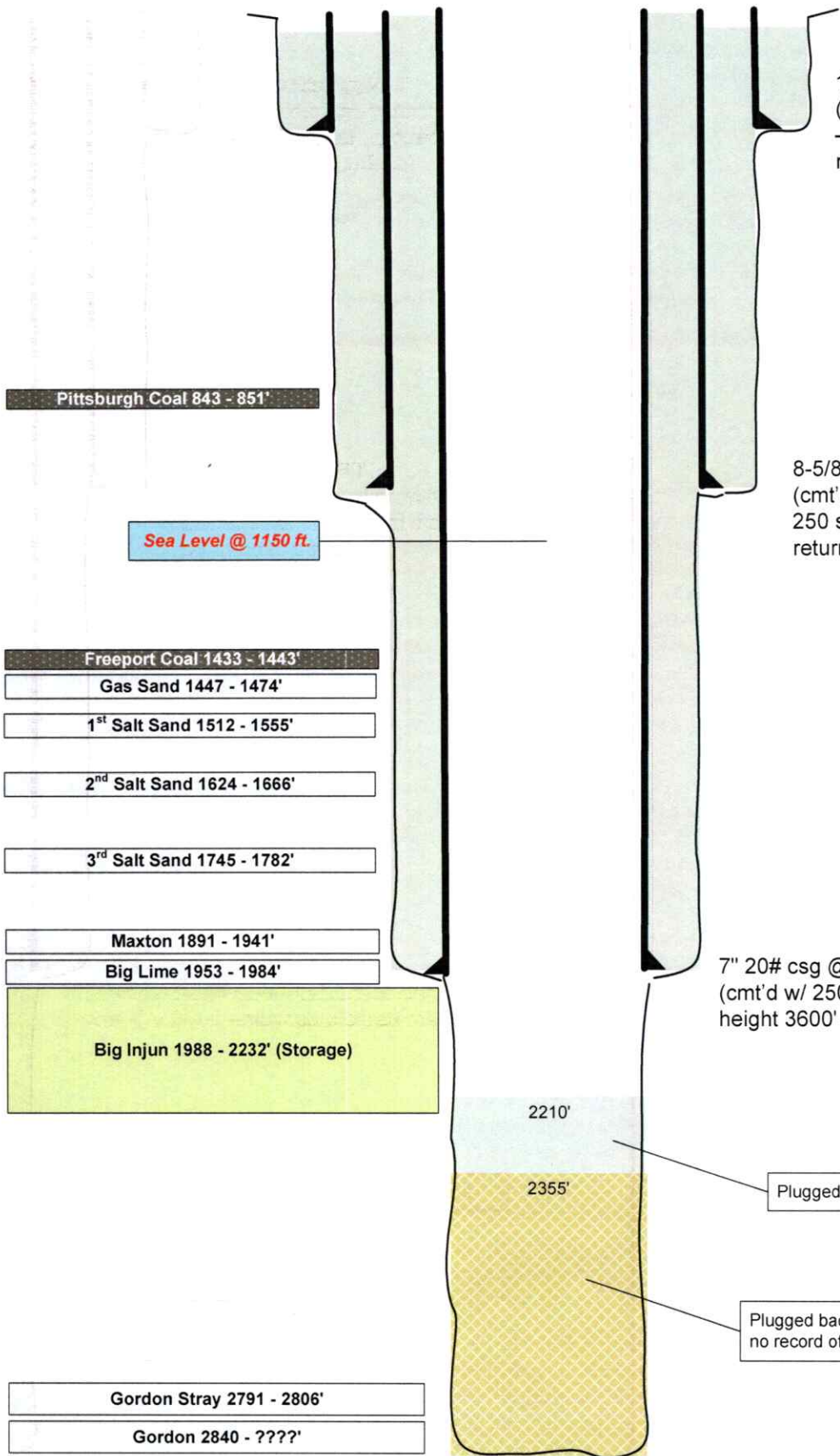
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(cmt'd during/together with 8-5/8" csg
- 250 sx total - no record if cement
returned to surface)

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(cmt'd during/together with 8-5/8" csg -
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TD 2852'

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- [Table Descriptions](#)
- [County Code Translations](#)
- [Permit/Numbering Series](#)
- [Usage Notes](#)
- [Contact Information](#)
- [Disclaimer](#)
- [WVGES Main](#)
- [Pipeline-Plus](#)

Select County: (051) Marshall (Check All)

Enter Permit #: 00361

Location Production Plugging
 Owner/Completion Stratigraphy Sample
 Pay/Show/Water Logs Btm Hole Loc

Report Time: Thursday, January 19, 2023 10:47:22 AM

Well: County = 51 Permit = 00361 [Link to all digital records for well](#)

WV Geological & Economic Survey: [View Map](#)

Location Information:

API	COUNTY	PERMIT	TAX_DISTRICT	QUAD_75	QUAD_15	LAT_DD	LONG_DD	UTIME	UTMIN
4705100361	Marshall	361	Liberty	Cameron	39.776521	-80.605124	553616.2	4403028.3	

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
4705100361	10/1/1959	---	Completed	J.H.Mackey	4552	1	4552	26555	Manufacturers Light & Heat Co.			
4705100361	10/30/1959	Worked Over	Completed	J.H.Mackey					Manufacturers Light & Heat Co.			

Completion Information:

API	CMP_DT	SPUD_DT	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	TL_BEF	P_AFT
4705100361	10/1/1959	---	1165	Ground Level			unclassified	unclassified	not available	unknown	unknown													
4705100361	10/30/1959	---	1165	Ground Level	Kaussooth	Big Injun (Price&eq)	Miscellaneous Well	Unsuccessful	Storage	unknown	Nat/Open H	2210												

There is no Pay data for this well

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
4705100361	Worked Over	Pittsburgh coal	Well Record	Reasonable	846	Reasonable	7	Reasonable	1165
4705100361	Worked Over	Mahoning Ss/Big Dunk	Well Record	Reasonable	1375	Reasonable	27	Reasonable	1165
4705100361	Worked Over	Greenbrier Group	Well Record	Reasonable	1938	Reasonable	0	Ostible Pick	1165
4705100361	Worked Over	Big Lime	Well Record	Reasonable	1938	Reasonable	0	Ostible Pick	1165

There is no Wireline (E-Log) data for this well

There is no Plugging data for this well

There is no Sample data for this well

4705100361P

WELL LOG SUMMARY

LOCATION	COMPANY The Manufacturers Light and Heat Company		DIV. 4	FIELD Cameron	WELL NO. 4552							
	FARM Julia Mackey	ACRES 50	LEASE NO. 26555	DISTRICT - TOWNSHIP Liberty	COUNTY Marshall							
	TOPO. MAP Quadrangle _____ Ft. _____ of _____ of _____ and _____											
CONTRACTOR	TOP HOLE CONTRACTOR Union Drilling Company	ADDRESS Washington, Pa.		Drilled from 0 Ft. to 2355 Ft.	Type of Rig _____							
	DRILLING CONTRACTOR	ADDRESS _____		Drilled from _____ Ft. to _____ Ft.	Type of Rig _____							
FIRST RIG COMMENCED (DATE) October 30, 1959		DRILLING COMPLETED (DATE) 2210		COMPLETED TOTAL DEPTH ft.	DATE PURCHASED _____							
HOLE SIZE	BIT GAUGE (INCHES) 13	10	8	6 1/2								
	FROM-TO (FEET) 0 to 239	0 to 1080	0 to 1972	0 to 2355								
CASING AND TUBING	SIZE (O.D.) 10 3/4	8 5/8	7									
	WEIGHT/FOOT 32.75	24	20									
(All Measurements less threads)	STEEL GRADE H	J	J									
	COUPLING TYPE Short	Short	Short									
	SETTING DEPTH 239	1080	1972									
	LEFT IN HOLE 239	1080	1972									
CEMENT	NO. OF SACKS 250	250										
	TYPE 1-S	1-S										
PACKER	WEIGHT #/GAL. 14.3	14.3										
	MANUFACTURER TYPE SIZE SETTING DEPTH											
WELL STIMULATION	TREATMENT NONE	TYPE *	SIZE AND/OR AMOUNT	ZONE TREATED	OPEN FLOW MCF/DAY							
				From _____ to _____	Before _____ After _____							
				From _____ to _____	Before _____ After _____							
				From _____ to _____	Before _____ After _____							
OPEN FLOW TEST	DATE GAUGED	FORMATION BIG INJUN	PAY ZONE From _____ to _____	TYPE GAUGE (SPECIFY)	PRESSURE (SPECIFY UNITS)							
			From _____ to _____	No gas to test								
WELLHEAD PRESSURE TESTS	DATE TAKEN	FORMATION BIG INJUN	MINUTE PRESSURE - PSIG				WELLHEAD PRESSURE - PSIG					
			1	3	5	10	20	30	24 HR.	48 HR.	72 HR.	MAX. PRESS.
MISC.	DEPTH MEASUREMENT TAKEN FROM: <input checked="" type="checkbox"/> Derrick Floor <input type="checkbox"/> Ground Other (Specify) _____			DIST. TO GROUND 2 ft.	ELEVATION 1165.09'							
	LOGGED <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	LOGGED BY (COMPANY) Schlumberger Well Surveying Corpn.			DATE LOGGED 10 23 59							
REMARKS	* Note: Form PD-17 "Well Fracture Report" to be completed and attached, if applicable											
	Run 40 bags cement to plug back from 2355 to 2210 with a cement bailer.											

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Production Department
S. G. D. RECEIVED
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Attach additional sheets and forward to Production Dept. Pittsburgh General Office

Verified by A.T. Stalschaw
DIVISION ENGINEER

Approved by Robert E. ...
DIVISION SUPERINTENDENT

WV Department of Environmental Protection



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

4705100361P
L-1609-4

WELL RECORD

Quadrangle Common

Permit No. MARS-361-R

Oil or Gas Well GAS
(Kind)

Company The Manufacturers Light and Heat Co.
Address 800 Union Trust Bldg., Pittsburgh 19,
Farm Julia Mackey Acres 50
Location (waters) _____
Well No. L-4552 Elev. 1165.09'
District Liberty County Marshall
The surface of tract is owned in fee by _____
Address _____

Mineral rights are owned by _____
Address _____
Drilling commenced _____
Drilling completed October 30, 1959
Date Shot _____ From _____ To _____

With _____
Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
Volume _____ Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.
Fresh water _____ feet _____ feet
Salt water _____ feet _____ feet

Casing and Pa. Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer
13			
10 3/4"	230	230	Size of
8 5/8"	1080	1080	
6 7/8"	1972	1972	Depth set
5 8/16			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES

Formation	Color	/// <u>Thick</u> or <u>Spk</u> ///	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Pittsburgh Coal		7	846	853			
Big Dunkard Sand		27	1375	1402			
Big Lime			1938				
Big Injun. Sand				2210			
TOTAL DEPTH				2210			

(Over)

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Carnegie Natural Gas Company

Division _____

Record of well No. **C - 720** on **J. H. Mackey** Farm Acres _____
 Field _____ Township District _____ County _____ State _____
 Rig Commenced _____ 19 _____ Completed _____ 19 _____
 Drilling Commenced **April 13** 19**17**, Completed **May 11** 19**17**
 Contractor _____ Address _____
 Driller's Name **W. D. Eshenbaugh**

CASING AND TUBING RECORD

Conductor	18"	10"	8 1/4"	7"	6 5/8"	5 3/16"	4"	3"
Used in Drlg.		230	1240	1970				2852
Left in well								

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	30	60			

TOTAL INITIAL OPEN FLOW

CUBIC FEET PER 24 HOURS

FORMATION	TOP	BOTTOM	TRICKNESS	REMARKS
Conductor		16		
Waynesburg Coal	560	564		
Mapleton Coal	750	756		Water 150'
Pittsburgh Coal	846	854		Water in Waynesburg Coal
Murphy Sand	950	1015		
Maxton Sand	1900	1943		Slate Break 1918 - 1930
Pencil Cave	1943	1962		
Big Injun	1962	2251		3,500,000' Gas 1970 - 1977
Drilled Deeper January 2, 1919 - January 16, 1919				
Gordon Stray	2791	2806		
Gordon Sand	2840			Gas 2843 to 2849 - 2,900,000
Total Depth		2852		
Plugged December 7, 1933				

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Department of Environmental Protection

Examined above information and measurements and found to be correct by _____

Examined and Approved by _____

Contractor _____

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.

Division

Record of well No. **C - 720** on **J. H. Mackey** Farm Acres
 Field Township District County State
 Rig Commenced 19 Completed 19
 Drilling Commenced **April 13 1917** Completed **May 11 1917**
 Contractor Address
 Driller's Name **W. D. Eshenbaugh**

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Field Superintendent

WV Department of Environmental Protection

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WW-4A
Revised 6-07

1) Date: 11/28/2022
2) Operator's Well Number
Victory B 4552
3) API Well No.: 47 - 051 - 003610000

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

4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>Harold E. Rush and Anita Rush</u>	Name <u>Marshall County Coal Resources, Inc.</u>
Address <u>3305 Fish Ridge Road</u>	Address <u>46226 National Road</u>
<u>Cameron, WV 26033</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>2525 West Alexander Road</u>	Name <u>Marshall County Coal Resources, Inc.</u>
<u>Valley Grove, WV 26060</u>	Address <u>46226 National Road</u>
Telephone <u>(304) 993-6188</u>	<u>St. Clairsville, OH 43950</u>

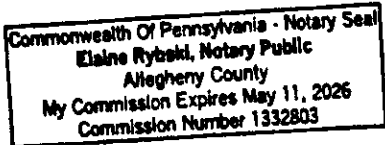
TO THE PERSONS NAMED ABOVE: You should have received this Form and the following documents:

- (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 Columbia Gas Transmission, LLC
 By: Brad Nelson
 Its: Storage Engineer
 Address 465 Racetrack Road
Washington, PA 15301
 Telephone 724-250-0610



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Office of Oil and Gas
DEC 28 2022

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

WV Department of Environmental Protection

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 its 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.

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



December 14, 2022

Harold E. Rush and Anita Rush
3305 Fish Ridge Road
Cameron, WV 26033

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 4552 (API # 47-051-00361-00-00).

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

www.tcenergy.com

RECEIVED
Office of Oil and Gas

DEC 28 2022

WV Department of
Environmental Protection

4705100361P

7019 2970 0001 4413 5164

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Cameron, WV 26033

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Certified Mail Fee	\$4.00
Extra Services & Fees (check box, add fee as appropriate)	
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00
<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00
Postage	\$2.40
Total Postage and Fees	\$9.65

0024 07
Postmark Here
DEC 15 2022
12/15/2022

Sent To Harold E. Rush and Anita Rush
Street and Apt. No., or PO Box No. 3305 Fish Ridge Road
City, State, ZIP+4® Cameron, WV 26033

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.
- Restricted delivery service, which provides delivery to the addressee specified by name, or to the addressee's authorized agent.
 - Adult signature service, which requires the signee to be at least 21 years of age (not available at retail).
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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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<p>■ Complete items 1, 2, and 3.</p> <p>■ Print your name and address on the reverse so that we can return the card to you.</p> <p>■ Attach this card to the back of the mailpiece, or on the front if space permits.</p> <p>1. Article Addressed to:</p> <p><u>Harold E. Rush and Anita Rush</u> <u>3305 Fish Ridge Road</u> <u>Cameron, WV 26033</u></p> <p>2. Article Number (Transfer from service label)</p> <p><u>7019 2970 0001 4413 5164</u></p>	<p>A. Signature</p> <p><u>Anita Rush</u> <input type="checkbox"/> Agent <input checked="" type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name)</p> <p><u>Anita Rush</u></p> <p>C. Date of Delivery</p> <p><u>12-17-22</u></p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If YES, enter delivery address below:</p> <p>3. Service Type</p> <p><input type="checkbox"/> Adult Signature <input type="checkbox"/> Priority Mail Express®</p> <p><input type="checkbox"/> Adult Signature Restricted Delivery <input type="checkbox"/> Registered Mail™</p> <p><input type="checkbox"/> Certified Mail® <input type="checkbox"/> Registered Mail Restricted Delivery</p> <p><input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Return Receipt for Merchandise</p> <p><input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Signature Confirmation™</p> <p><input type="checkbox"/> Collect on Delivery Restricted Delivery <input type="checkbox"/> Signature Confirmation Restricted Delivery</p>

PS Form 3811, July 2015 PSN 7530-02-000-9053

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

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DEC 28 2022

WV Department of
Environmental Protection

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

www.tcenergy.com

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Canonsburg, PA 15317

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Certified Mail Fee	\$ 4.00
Extra Services & Fees (check box, add fee as appropriate)	
<input type="checkbox"/> Return Receipt (hardcopy)	\$ 0.00
<input type="checkbox"/> Return Receipt (electronic)	\$ 0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$ 0.00
<input type="checkbox"/> Adult Signature Required	\$ 0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$ 0.00
Postage	\$ 9.55
Total Postage and Fees	\$ 16.80

0024 07
 Postmark Here
 12/15/2022

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

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

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IMPORTANT: Save this receipt for your records.

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

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> ■ 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. <p>1. Article Addressed to:</p> <p>CONSOL RCPC, LLC 1000 Consol Energy Drive Canonsburg, PA 15317</p> <p>9590 9402 6648 1060 3610 50</p> <p>2. Article Number (Transfer from service label)</p> <p>7022 0410 0000 1303 1569</p>	<p>A. Signature</p> <p><input checked="" type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name)</p> <p>C. Date of Delivery</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> <p><input type="checkbox"/> Adult Signature <input type="checkbox"/> Adult Signature Restricted Delivery <input type="checkbox"/> Certified Mail® <input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Collect on Delivery Restricted Delivery <input type="checkbox"/> Insured Mail <input type="checkbox"/> Registered Mail™ <input type="checkbox"/> Registered Mail Restricted Delivery <input type="checkbox"/> Signature Confirmation™ <input type="checkbox"/> Signature Confirmation Restricted Delivery <input type="checkbox"/> Priority Mail Express® <input type="checkbox"/> Registered Mail™</p>

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

USPS TRACKING #

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 USPS
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Brad Nelson
216 Ledwille Street
Apt. 2
Pittsburgh, PA 15224

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 DEC 28 2022
 WV Department of
 Environmental Protection

4705100361P



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.

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- 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

www.tcenergy.com

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WV Department of
Environmental Protection

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Saint Clairsville, OH 43950

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Certified Mail Fee	\$4.00
Extra Services & Fees (check box, add fee as appropriate)	
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00
<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00
Postage	\$9.55
Total Postage and Fees	\$16.80

Postmark Here
 0024
 DEC 15 2022

12/15/2022

Sent To
 Marshall County Coal Resources, 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

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

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1. Article Addressed to:

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

2. Article Number (Transfer from service label)

7022 0410 0000 1303 1583

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)
 Rick Mess

C. Date of Delivery
 12-16-22

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

3. Service Type

<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

9590 9402 6648 1060 3610 36

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

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

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 Environmental Protection

WW-9
(5/16)

4705100361P

API Number 47 - 051 - 003810000
Operator's Well No. _____

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) Fish Creek Quadrangle Cameron, 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, Masontown, PA - Permit 2608201)

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) Subsoils

-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

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Office of Oil and Gas

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

DEC 28 2022

Elaine Rybski Elaine Rybski Notary Public

WV Department of
Environmental Protection

My commission expires 5/11/2026

Commonwealth of Pennsylvania

County of Allegheny

Proposed Revegetation Treatment: Acres Disturbed <1.0 Prevegetation pH 6.5

Lime 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: _____

Title: Inspector Oil & Gas

Date: 12/14/2022

Field Reviewed? () Yes () No

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WV Department of
Environmental Protection

- Legend**
-  Access Road
 -  Victory B 4552
 -  Victory B 4552 LOD

WVDEP Reclamation Site Detail
 Victory B 4552 (API 051-00361)

- 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.

Pit A and Pit B:
 50' x 10' x 4' deep

Victory B₀ 04552

Fish Ridge Rd

100 ft



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 DEC 28 2022
 Department of Environmental Protection

Google Earth

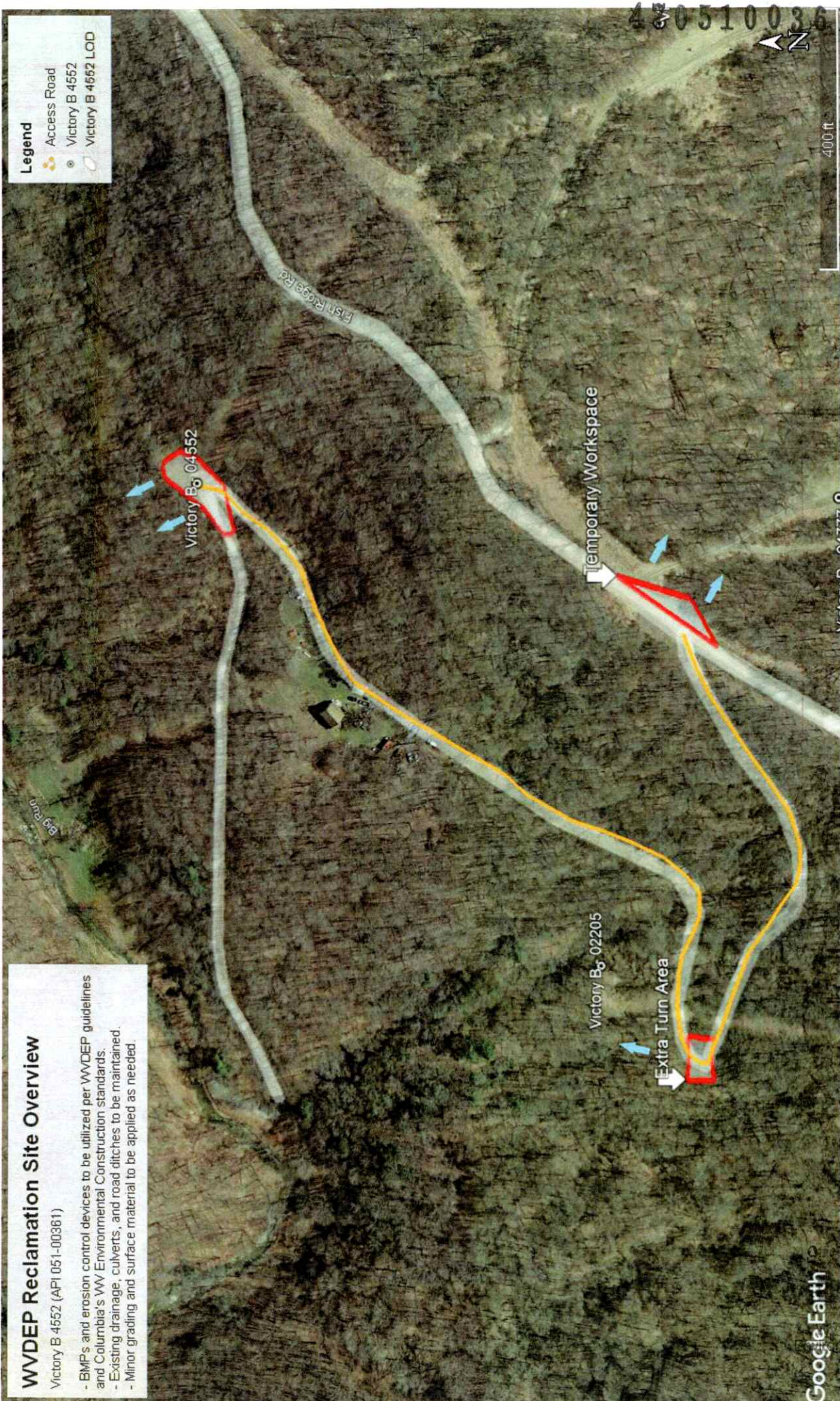
4305100361P

Legend

- Access Road
- Victory B 4552
- Victory B 4552 LOD

WVDEP Reclamation Site Overview
 Victory B 4552 (API 051-00361)

- BMP's 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.



400 ft

Google Earth

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 C 28 2022
 Department of Environmental Protection

4705100361P

WW-9- GPP
Rev. 5/16

Page 1 of 2
API Number 47 - 051 - 00361-00-00
Operator's Well 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): Fish Creek Quad: Cameron, 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 Big Run, approximately 700 feet to the N.

The nearest Wellhead Protection area is 6.5 mi. to the SE (WV3305202 - Hundred Littleton PSD).

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

N/A

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

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Office of Oil and Gas

DEC 28 2022

WV Department of
Environmental Protection

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.

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.

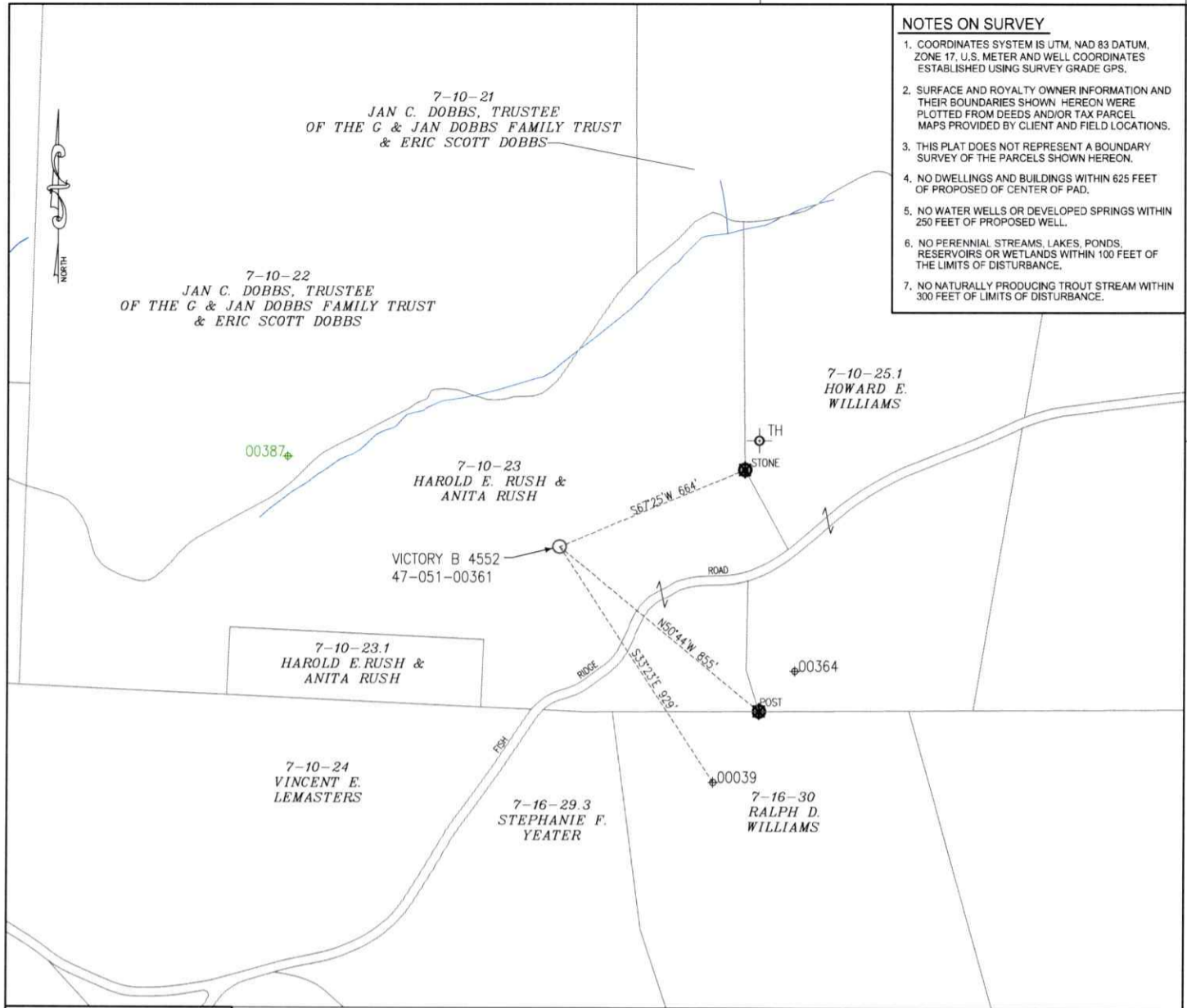
Signature: *Shadrach Jones*

Date: 12/14/2022

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Office of Oil and Gas
DEC 28 2022
WV Department of
Environmental Protection

NOTES ON SURVEY

1. COORDINATES SYSTEM IS UTM, NAD 83 DATUM, ZONE 17. U.S. METER AND WELL COORDINATES ESTABLISHED USING SURVEY GRADE GPS.
2. SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND FIELD LOCATIONS.
3. THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
4. NO DWELLINGS AND BUILDINGS WITHIN 625 FEET OF PROPOSED OF CENTER OF PAD.
5. NO WATER WELLS OR DEVELOPED SPRINGS WITHIN 250 FEET OF PROPOSED WELL.
6. NO PERENNIAL STREAMS, LAKES, PONDS, RESERVOIRS OR WETLANDS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.
7. NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF LIMITS OF DISTURBANCE.



LEGEND

- ⊕ Active Well Location
- ⊕ Plugged Well Location
- Proposed Gas Well
- Surface Tract Lines
- Creek or Drain
- - - Reference Line

Victory B 4552 Coordinates:

NAD 83 N: 466,615.907 E: 1,658,379.798
 NAD 83 Lat: 39.775870 Long: -80.603418
 NAD 83 UTM N: 4,402,956.672 E: 533,962.565

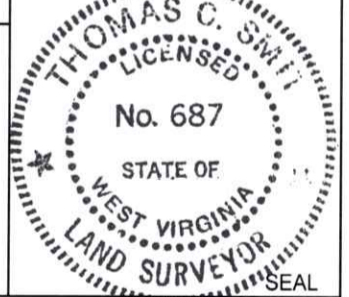
(⊕) Denotes Location of Well on United States Topographic Maps

RECEIVED
 Office of Oil and Gas
DEC 28 2022
 WV Department of
 Environmental Protection



I, the undersigned, hereby certify that this plat is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Department of Environmental Protection.

J. C. [Signature]



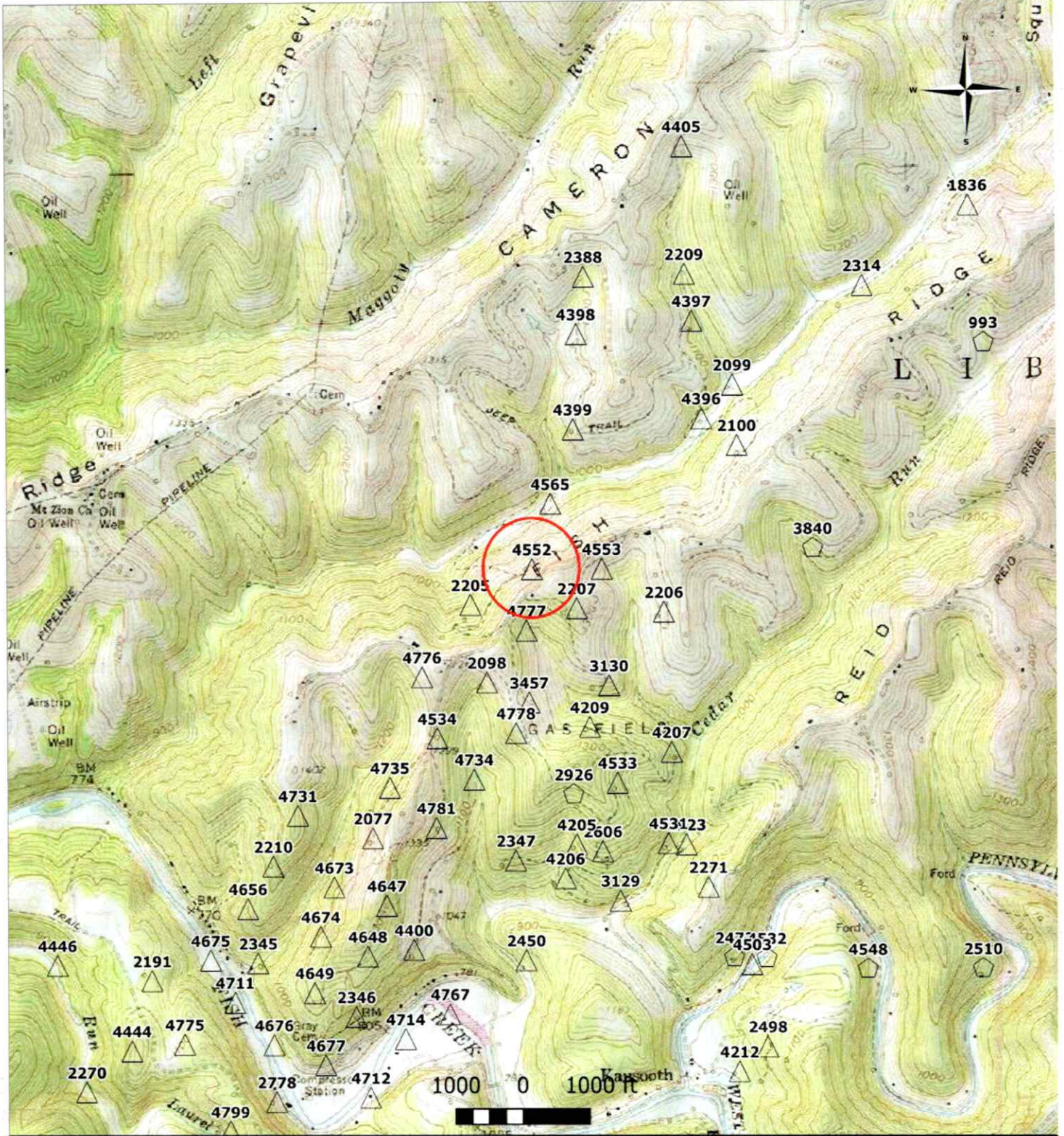
FILE NO: _____
 DRAWING NO: _____
 SCALE: 1" = 500'
 MINIMUM DEGREE OF ACCURACY: 1:2500
 PROVEN SOURCE OF ELEVATION: NGS CORS Station



DATE: December 15 20 22
 OPERATORS WELL NO: 4552
 API WELL NO
 47 - 051 - 00361
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
 LOCATION ELEVATION: 1150' WATERSHED: Fish Creek QUADRANGLE: Cameron
 DISTRICT: Liberty COUNTY: Marshall
 SURFACE OWNER: Harold E. Rush & Anita Rush LEASE NO: 3003957-000 SURFACE ACREAGE: 41.13 ±
 ROYALTY OWNER: Harold E. Rush; Anita Rush; Jack W. Rupp, Agent; et al LEASE NO: 3026555-000 ROYALTY ACREAGE: 50 ±
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY)
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Big Injun ESTIMATED DEPTH: 2852'

WELL OPERATOR: Columbia Gas Transmission, LLC DESIGNATED AGENT: Brad Nelson
 ADDRESS: 1700 MacCorkle Ave. ADDRESS: 455 Racetrack Road
 Charleston, WV 25325-1272 Washington, PA 15301



Legend

Storage Well Classification

- △ ACTIVE
- ◊ OBSERVATION
- ◇ SPECIAL



Well of Interest



Victory B Storage Field
Storage Well 4552
Marshall County, WV

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DEC 28 2022

USGS Topo Map (Scale 2000 Ft/ In) to be included with
 Project Determination & Information Forms (PDIF) WV Department of
 Environmental Protection



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

plugging permit issued 4705100361

1 message

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

Fri, Jan 20, 2023 at 2:13 PM


To: maria_medvedeva@tcenergy.com, Strader C Gower <strader.c.gower@wv.gov>, ebuzzard@marshallcountywv.org


To whom it may concern, a plugging permit has been issued for 4705100361.

James Kennedy

WVDEP OOG

2 attachments

 **ir-8 4705100361.pdf**
120K

 **4705100361.pdf**
5049K