



west virginia department of environmental protection

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

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

Tuesday, April 11, 2023
WELL WORK PERMIT
Vertical / Re-Work

COLUMBIA GAS TRANSMISSION, LLC
1700 MACCORKLE AVENUE SE

CHARLESTON, WV 25314

Re: Permit approval for 4236
47-103-00153-00-00

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

Please be advised that form WR-35, Well Operators Report of Well Work is to be submitted to this office within 90 days of completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

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

James A. Martin
Chief

Operator's Well Number: 4236
Farm Name: SCHAFFER, WILLIAM
U.S. WELL NUMBER: 47-103-00153-00-00
Vertical Re-Work
Date Issued: 04/11/2023

Promoting a healthy environment.

04/14/2023

PERMIT CONDITIONS

West Virginia Code § 22-6-11 allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

CONDITIONS

1. If the operator encounters an unanticipated void, or an anticipated void at an unanticipated depth, the operator shall notify the inspector within 24 hours. Modifications to the casing program may be necessary to comply with W. Va. Code § 22-6-20, which requires drilling to a minimum depth of thirty feet below the bottom of the void, and installing a minimum of twenty (20) feet of casing. Under no circumstance should the operator drill more than fifty (50) feet below the bottom of the void or install less than twenty (20) feet of casing below the bottom of the void.
2. Pursuant to 35 CSR § 4-19.1.a, at the request of the surface owner all water wells or springs within 1000 feet of the proposed well that are actually utilized for human consumption, domestic animals or other general use shall be sampled and analyzed.
3. Pursuant to 35 CSR § 4-19.1.c, if the operator is unable to sample and analyze any water well or spring within one thousand (1,000) feet of the permitted well location, the Office of Oil and Gas requires the operator to sample, at a minimum, one water well or spring located between one thousand (1,000) feet and two thousand (2,000) feet of the permitted well location.
4. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
5. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
6. During the surface casing and cementing process, in the event cement does not return to the surface, or any other casing string that is permitted to circulate cement to the surface and cement does not return to the surface, the oil and gas inspector shall be notified within twenty-four (24) hours.
7. Well work activities shall not constitute a hazard to the safety of persons.
8. This proposed activity may require permit coverage from the United States Army Corps of Engineers (USACOE). Through this permit, you are hereby being advised to consult with the USACOE regarding this proposed activity.

ck# 4710300153w
056238
12/16/22 \$650.00

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

1) Well Operator: Columbia Gas Transmission, LLC 307032 Wetzel Proctor Wileyville, WV
Operator ID County District Quadrangle

2) Operator's Well Number: Victory A 4236 3) Elevation: 1152.6'

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

5) Proposed Target Formation(s): Maxton Proposed Target Depth: 1950'

6) Proposed Total Depth: 2050 Feet Formation at Proposed Total Depth: Maxton

7) Approximate fresh water strata depths: 20' and 955' as reported by the Driller in 1937.

8) Approximate salt water depths: 1627' as reported by the driller in 1937.

9) Approximate coal seam depths: 915'-919' (as reported by the driller in 1937).

10) Approximate void depths, (coal, Karst, other): None reported by the driller in 1937.

11) Does land contain coal seams tributary to active mine? Yes

12) Describe proposed well work and fracturing methods in detail (attach additional sheets if needed)
Run a casing inspection and cement bond log. Depending on results, perforate and squeeze cement or section mill 7" casing. Drill out plugback material.
Run an open hole log. Run a new string of casing and cement. Install a new wellhead. Obtain a new CBL. Perforate new casing. Perform a matrix acid squeeze.
*Casing listed below are existing. SEE JOB PLAN

13) CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft	For Drilling	Left in Well	Fill -up (Cu. Ft.)
Conductor	13"	Unknown	Unknown		16'	Unknown
Fresh Water	10-3/4"	Unknown	32.75		991'	Unknown
Coal	8-5/8"	Unknown	24		1742'	Unknown
Intermediate	7"	Unknown	20		1932'	Unknown
Production						
Tubing						
Liners						

RECEIVED
Office of Oil and Gas
DEC 28 2022

WV Department of Environmental Protection

Packers: Kind: N/A
Sizes: _____
Depths Set _____

JOB PLAN		Well Engineering & Technology		PAGE 3	DATE JOB PREPARED: 1/26/2022
Objective: Deliverability Restoration				LAST PROFILE UPDATE:	
TITLE: HRVRT/CBL, WHX, CTCO/acid			WORK TYPE: GPMC		
FIELD: Victory A	WELL: 4236				
STATE: WV	SHL (Lat/Long): 39.703740	-80.705503	API: 47-103-00153-00-00		
DIST/TWP: Proctor	BHL (Lat/Long): 39.703740	-80.705503	CNTY: Wetzel		

JOB PLAN

ACCESS ROAD AND SIZE OF WELL SITE LIMITS TYPE/SIZE OF EQUIPMENT TO PERFORM SOW.

- 1 Obtain NRP clearances, TOPs, pipeline crossing eval, etc.
 - 2 Notify Reservoir Engineering & Geosciences (REG) of intent to take well out of service.
 - 3 Prepare access road and well site - SIGNIFICANT WORK REQUIRED. Install ECD's per EM&CP.
 - 4 Service all wellhead valves.
 - 5 Disconnect well line.
 - 6 Record 7" flowstring and annulus pressures.
 - 7 MIRU wireline unit. Set an inflatable retrievable bridge plug (IRBP) at ~1900' correlated to Birdwell GR-DT log dated 8/13/1975.
 - 8 Perform negative pressure test to 0 psig in stages.
 - 9 Load the wellbore with fluid. Estimated capacity above the IRBP is 81 bbls.
 - 10 Perform positive pressure test to 300 psig surface.
 - 11 Swap out 4" ball valve. Install a full-bore access 7" valve.
 - 12 Pull IRBP.
 - 13 MIRU Baker Atlas. Run HRVRT and CBL. Request 1-day turnaround on HRVRT results.
- existing strength is. If HRVRT results indicate existing 7" flowstring has sufficient remaining strength for active storage service and stimulation then proceed with pipe. install a new procedure. If not, a decision will need to be made to pull/replace pipe, install a new string of 4-1/2" casing, or P&A well.*
- will need to re** If CBL indicates insufficient hydraulic seal above storage zone then will need to remedial cement to install annular barrier.*
- 14 Install 7" RBP1 at ~1900' correlated to Birdwell GR-DT log dated 8/13/1975. Top off wellbore with kill weight fluid and perform positive pressure test to 500 psig - confirm with WET engineer that test will not exceed remaining strength of casing.
 - 15 Install 7" RBP2 at ~1400'.
 - 16 RDMO Baker Atlas.
 - 17 MIRU small pole rig.
 - 18 Install new API wellhead and pressure test seals to 1000 psig.
 - 19 Pull RPBs.
 - 20 Clean to TD with sandline drill.
 - 21 Swab well dry to re-establish gas flow.
 - 22 Perform 500 gal HCl matrix acid treatment.
 - 23 Swab/flow well to recover treatment fluids.
 - 24 RDMO pole rig.
 - 25 Flow well to recover treatment fluids and re-establish gas flow.
 - 26 Perform 45 minute flow test. Report results to REG.
 - 27 Reclaim road and location.
 - 28 Re-fit well line.
 - 29 Commission well to place back in service.
 - 30 Notify REG that well is ready for storage service.

PREPARED BY: Brad Nelson	REVIEWED BY:	APPROVED: Stephen Mccoy
PREP DATE: 1/26/2022		Digitally signed by Stephen Mccoy Date: 2022.12.01 09:37:01 -05'00'

Office of Oil and Gas

DEC 28 2022

04/14/2023
Department of Environmental Protection

4710300153W

FORM OG-5

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPPLICATE, 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	<u>The Manufacturers Light & Heat Company</u>
ADDRESS	<u>4236 P-11671 L-1219</u>
COAL OPERATOR OR OWNER	<u>January 25th, 19<u>54</u></u>
ADDRESS	<u>WELL AND LOCATION</u>
LEASE OR PROPERTY OWNER	<u>Prater District</u>
ADDRESS	<u>Netel County</u>
	<u>Well No. ⁴²³⁶ P-11671 L-1219</u>
	<u>Mr. Schaeffer Farm</u>

STATE INSPECTOR SUPERVISING PLUGGING.....

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Netel } ss:
Clair C. Shumard and Donald O. McHenry
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 Manufacturers Light & Heat Co. well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 26 day of March, 1953, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD FORMATION	FILLING MATERIAL			PLUGS USED SIZE & KIND	CASING	
	CONTENT	FROM	TO		CSG PULLED	CSG LEFT IN
	<u>Total Depth</u>	<u>2725</u>				
	<u>Clay</u>	<u>2725</u>	<u>2890</u>			
	<u>Lead Plug</u>	<u>2890</u>		<u>5-3/16" Lead Plug</u>		
	<u>Concret</u>	<u>2890</u>	<u>2940</u>			
	<u>Clay</u>	<u>2940</u>	<u>2775</u>			
	<u>Concret</u>	<u>2775</u>	<u>2745</u>	<u>1 1/2" 5-3/16" casing</u>		
	<u>Clay</u>	<u>2745</u>	<u>2825</u>			
	<u>Concret</u>	<u>2825</u>	<u>2875</u>			
	<u>Clay</u>	<u>2875</u>	<u>2850</u>	<u>1 1/2" 6-3/16" casing</u>		
	<u>Clay</u>	<u>2850</u>	<u>2875</u>			
	<u>Lead Plug</u>	<u>2875</u>		<u>8" Lead Plug</u>		
COAL SEAMS				DESCRIPTION OF MONUMENT		
(NAME)						
(NAME)						
(NAME)						
(NAME)						

and that the work of plugging and filling said well was completed on the 30 day of April, 1953.
And further deponents saith not.
Sworn to and subscribed before me this 17 day of January, 1954.
Clair C. Shumard
Donald O. McHenry
Cath A. Hubby Notary Public.
My commission expires: Sept. 19, 1950
Permit No. _____

RECEIVED
Office of Oil and Gas
DEC 28 2022

WV Department of Environmental Protection
04/14/2023

The Manufacturers Light & Heat Company
Company

Division 4 Reader, W. Va.
 Record of well No. F-14071 on Wm Schaeffer Farm Acres
 Victory Storage Field Proctor District Wetzel County W. Va. State
Reader, W. Va.
 Setting Dig. Mach Rig Commenced March 11, 1953, Completed March 17, 1953
 Drilling Commenced March 18, 1953, Completed July 21, 1953
 Contractor Co. Tools Address
 Driller's Name Clair C. Sherwood Tool Dresser Donald O McHenry

CASING AND TUBING RECORD

	Conductor	18"	10"	8 1/4"	7"	6 5/8"	5 3/16"	4"	3"	
Used in Drlg.				37'						
Left in well	15"x16"		1001'0"	1752'1"	1956'9"					

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	2	30	45	60			
	3.0	Water	2 1/2"	268.356	Maxon	5	9	14	19	24		90	48

TOTAL INITIAL OPEN FLOW

CUBIC FEET PER 24 HOURS

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Top of Maxon Sand	1930			Schlumberger Measurement
Set 8" Lead Plug	1975			
Total Depth	1975			

RECEIVED
Office of Oil and Gas

DEC 28 2022

WV Department of Environmental Protection

Examined above information and measurements and found to be correct by

Examined and Approved by

COMPANY TOOLS

Contractor

Field Superintendent

04/14/2023

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.

New Number
L-4219 FORM OG 9



4710300153W

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

NOTICE OF INTENTION TO PLUG AND ABANDON WELL
(REQUIRED BY SECTION 9, ARTICLE 4, CHAPTER 22 OF THE CODE)

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

_____	<u>The Manufacturers Light & Heat Company</u>
Coal Operator or Coal Owner	Name of Well Operator
_____	<u>800 Union Trust Building,</u>
Address	Complete Address
_____	<u>Pittsburgh 19, Pennsylvania.</u>
Coal Operator or Coal Owner	_____
_____	<u>March 30, 1953</u> 19_____
Address	WELL TO BE ABANDONED
Lease or Property Owner	<u>Proctor</u> District
_____	<u>Wetzel</u> County
Address	Well No. <u>14071</u> <u>7-15562 - Hope Natural Gas Co. Well</u> <u># 7774.</u>
_____	<u>J. Schaeffer</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 30th day of March 1953, 19____, (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 _____

RECEIVED
Office of Oil and Gas

DEC 28 2022

WV Department of
Environmental Protection

04/14/2023

PROPOSED MANNER OF PLUGGING AND FILLING WELL
(REQUIRED BY RULES AND REGULATIONS)
WEST VIRGINIA DEPARTMENT OF MINES
OIL AND GAS DIVISION
WORK ORDER

Well to be plugged and filled as follows:

PARTIAL PLUGGING OF WELL FOR VICTORINE STORAGE.

Total depth	2955		
Clay	2955	2990	
Lead Plug 2-3/4"	2890		
Cement	2890	2860	
Clay	2860	2795	
Cement	2795	2785	LIFT 5 3/16" CASING
Clay	2785	2121	
Cement	2121	2071	LIFT 6 5/8" CASING
Clay	2071	2050	
Clay	2050	1970	
Lead Plug 8" 1975'	1900		

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.

RECEIVED
Office of Oil and Gas
DEC 28 2022

WV Department of
Environmental Protection
04/14/2023



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

Permit No. WEST-153 **WELL RECORD** Oil or Gas Well Gas
(Type)

Company THE MANUFACTURERS LIGHT AND HEAT COMPANY
 Address 800 Union Trust Bldg., Pgh., Penna.
 Farm Wm. Schafer Acres 75
 Location (waters)
 Well No. 1-4236 Elev.
 District Proctor County Wetzel
 The surface of tract is owned in fee by
 Address
 Mineral rights are owned by
 Address
 Drilling commenced March 18, 1953
 Drilling completed July 21, 1953
 Date Shot From To
 With
 Open Flow 3.0 /10ths Water in 2 1/2" Inch
 /10ths Merc. in Inch
 Volume 268.356 Cu. Ft.
 Rock Pressure 90 lbs 48 hrs
 Oil bbls., 1st 24 hrs.
 Fresh water feet feet
 Salt water feet feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
12			
10		100110"	Size of
8 1/2		175211"	
7		195619"	Depth set
5 3/16			
2			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	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Top of Maxon Sand			1930				Schlumberger Measurement
Set 8" Lead Plug			1975				
Total Depth			1975				



(Over)

4710300153W

00-70

B-3

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL RECORD

Permit No. Net-153-D Oil or Gas Well Gas
(Kind)

Company Hope Natural Gas Company
Address Clarksburg, W. Va.
Farm William Schafer Acres 75
Location (waters) Lynn Camp Run
Well No. 7774 Elev. 1015
District Proctor County Wetzel
The surface of tract is owned in fee by Wm. Schafer
Address Proctor, W. Va.
Mineral rights are owned by _____
Address _____
Drilling commenced Deeper 5-6-1940
Drilling completed Deeper 5-23-1940
Date shot Not shot Depth of shot _____
Open Flow _____ /10ths Water in _____ Inch
50 /10ths Merc. in 5-5/16" Inch
Volume 6,581,000 Cu. Ft.
Rock Pressure 1055 lbs. 24 hrs.
Oil _____ bbls., 1st 24 hrs.
Fresh water None recorded feet _____ feet
Salt water None recorded feet _____ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
18			Kind of Packer
12			
10	1000	1000	Size of
8 1/2	1748	1748	
6 3/4	2055	2055	Depth set
5 1/2	2812	2812	
3	1696	Pulled	Perf. top
2 1/2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
Not cemented
COAL WAS ENCOUNTERED AT 915 FEET 48 INCHES
FEET _____ INCHES FEET _____ INCHES
FEET _____ INCHES FEET _____ INCHES

Formation	Color	Harder Soft	Top	Bottom	Oil Gas or Water	Depth Found	Remarks
<u>DRILLING DEEPER RECORD</u>							
Started drilling deeper at				1950	Gas	1952-1954	
Shells	Dark		1980	1985			
Shells		Hard	1985	1992			
Pencil Cave			1992	1997			
Lime		Hard	1997	2012			
Big Lime		Hard	2012	2071			
Big Injun Sand		Hard	2071	2315			
Slate			2315	2350			
Lime			2350	2365			
Slate			2365	2390			
Lime			2390	2410			
Slate			2410	2440			
Lime			2440	2490			
Slate			2490	2505			
Lime			2505	2550			
Slate			2550	2580			
Lime			2580	2600			
Slate			2600	2630			
Lime			2630	2690			
Slate			2690	2730			
Lime			2730	2776			
Pink Rock			2776	2800			
Slate			2800	2815			
Shells			2815	2860			
Lime			2860	2893			
Gordon Stray Sand			2893	2905	Gas	2893-2899	
Gordon Sand			2948		Gas	2940-2954	
Total Depth				2955			



(Over)

04/14/2023

8-1

Littleton quad

WEST VIRGINIA DEPARTMENT OF MINES
OIL AND GAS DIVISION
WELL RECORD

Permit No. Net-153

Oil or Gas Well Gas
(Kind)

Company <u>Hope Natural Gas Company</u>	Casing and Tubing	Used in Drilling	Left in Well	Packers
Address <u>Clarksburg, W. Va.</u>	Size			
Farm <u>William Schaffer</u> Acres <u>75</u>	16			Kind of Packer
Location (waters) <u>Lynn Camp Run</u>	13			<u>Wall & Anchor</u>
Well No. <u>7774</u> Elev. <u>1015</u>	10	<u>1000</u>	<u>1000</u>	Size of
District <u>Proctor</u> County <u>Netzel</u>	8 1/2	<u>1735</u>	<u>1735</u>	<u>8 1/2 x 3"</u>
The surface of tract is owned in fee by	6 5/8			Depth set <u>1938</u>
Mineral rights are owned by	5 3/16			
Drilling commenced <u>April 22, 1937</u>	3	<u>1950</u>	<u>1950</u>	Perf. top
Drilling completed <u>May 27, 1937</u>	2			Perf. bottom
Date shot <u>Not shot</u> Depth of shot	Liners Used			Perf. top
Open Flow /10ths Water in _____ Inch				Perf. bottom
Volume _____ Cu. Ft.	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Rock Pressure _____ lbs _____ hrs.	<u>Not cemented</u>			
Oil _____ bbls. 1st 24 hrs.	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
Fresh water <u>45</u> feet <u>965-975</u> feet	_____ FEET _____ INCHES _____ FEET _____ INCHES			
Salt water <u>1690-1700</u> feet _____ feet	_____ FEET _____ INCHES _____ FEET _____ INCHES			

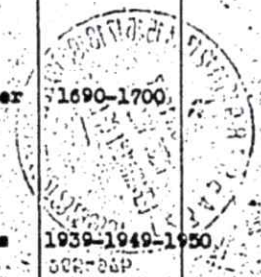
Formation	Color	Hard or Soft	Top	Bottom	Oil Gas or Water	Depth Found	Remarks
Sandy			0	20			
Slate			20	45	Water	45	
Sand			45	60			
Lime			60	65			
Slate			65	72			
Red Rock			72	80			
Slate			80	95			
Red Rock			95	245			
Slate			245	290			
Lime			290	300			
Red Rock			300	328			
Slate			328	365			
Red Rock			365	390			
Slate			390	415			
Red Rock			415	435			
Slate			435	492			
Lime			560	569			
Sand			596	607			
Red Rock			607	614			
Lime			620	640			
Red Rock			650	656			
Sand			656	685			
Lime			706	762			
Lime			768	825			
Mapletown Coal			825	826			
Lime			826	860			
Pittsburgh Coal			915	919			
Slate			919	929			
Lime			955	974	Water	965-975	
Red Rock			974	988			
Lime			989	996			
Sand			1033	1094			
Red Rock			1100	1144			
Red Rock			1174	1236			
Little Dunkard Sand			1273	1291			
Red Rock			1291	1320			
Lime			1367	1377			
Red Rock			1377	1387			
Big Dunkard Sand			1387	1433			
Shale			1433	1440			
Lime			1455	1490			
Gas sand			1490	1515			



(Over)

B-2

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Sand			1528	1585			
Line			1595	1620			
Slate			1622	1627			
First Salt Sand			1627	1710	Water	1690-1700	
Slate			1710	1728			
Second Salt Sand			1728	1750			
Line			1806	1825			
Third Salt Sand			1825	1850			
Sand	Dark		1910	1929			
Sand	White		1929	1950	Gas	1939-1949-1950	
Total Depth				1950			



Date June 9th, 1937
 W. H. BEGOLD
 Hope Natural Gas Company
 Owner
 GEORGE DELVEY
 (Tide) Asst. General Supt.

04/14/2023

WW-2A
(Rev. 6-14)

1.) Date: 11/28/2022
 2.) Operator's Well Number Victory A 4236
 State 47- County 103 Permit 001530000
 3.) API Well No.:

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

4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>Heath Fox and Sarita Fox</u>	Name <u>Consol RCPC, LLC</u>
Address <u>4200 St. Joseph Road</u>	Address <u>1000 Consol Energy Drive, Suite 100</u>
<u>Proctor, WV 26055</u>	<u>Canonsburg, PA 15317</u>
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>Consol RCPC, LLC</u>
(c) Name _____	Address <u>1000 Consol Energy Drive, Suite 100</u>
Address _____	<u>Canonsburg, PA 15317</u>
(c) Name _____	Name _____
Address _____	Address _____
6) Inspector <u>Stephen E. McCoy</u>	(c) Coal Lessee with Declaration
Address <u>13016 Indian Creek Rd.</u>	Name <u>N/A</u>
<u>Jacksonburg, WV 26377</u>	Address _____
Telephone <u>(681) 344-3265</u>	

TO THE PERSONS NAMED ABOVE TAKE NOTICE THAT:

Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas

OR
 Included is the information required by Chapter 22, Article 6, Section 8(d) of the Code of West Virginia (see page 2)
 I certify that as required under Chapter 22-6 of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through ___ on the above named parties by:

- Personal Service (Affidavit attached)
- Certified Mail (Postmarked postal receipt attached)
- Publication (Notice of Publication attached)

I have read and understand Chapter 22-6 and 35 CSR 4, and I agree to the terms and conditions of any permit issued under this application.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate and complete.

I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator Columbia Gas Transmission, LLC
 By: Brad Nelson
 Its: Storage Engineer
 Address: 455 Racetrack Road
Washington, PA 15301
 Telephone: 724-250-0610
 Email: brad_nelson@tcenergy.com

Commonwealth of Pennsylvania - Notary Seal
Emily Kale Leach, Notary Public
 Washington County
 My Commission Expires November 18, 2023
 Commission Number 1359854

Subscribed and sworn before me this 29th day of November, 2022 RECEIVED
Office of Oil and Gas

Emily Leach Notary Public DEC 28 2022

My Commission Expires 11/18/2023

Oil and Gas Privacy Notice WV Department of Environmental Protection

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

04/14/2023
Stephen McCoy

4710300153W



Columbia Gas Transmission, LLC

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

November 28, 2022

Heath Fox and Sarita Fox
4200 St. Joseph Road
Proctor, WV 26055

TC Energy (Columbia Gas Transmission, LLC) is applying for a permit to the WV Department of Environmental Protection – Office of Oil and Gas, to clean out an existing underground natural gas storage well located on property owned by you. As reference, the field and well ID is Victory A 4236 (API # 47-103-00153-00-00).

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

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

04/14/2023

4710300153W

7019 2970 0001 4413 5133

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

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

Proctor, WV 26055

OFFICIAL USE

Certified Mail Fee	\$4.00
Extra Services & Fees (check box, add fee as appropriate)	
<input type="checkbox"/> Return Receipt (hardcopy)	\$17.00
<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
 20
 Postmark
 Here
 11/29/2022

Sent To Heath Fox and Sarita Fox
 Street and Apt. No., or PO Box No. 4200 St. Joseph Road
 City, State, ZIP+4® Proctor, WV 26055

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.
 - Adult signature service, which requires the signee to be at least 21 years of age (not available at retail).
 - Adult signature restricted delivery service, which requires the signee to be at least 21 years of age and provides delivery to the addressee specified by name, or to the addressee's authorized agent (not available at retail).
- To ensure that your Certified Mail receipt is accepted as legal proof of mailing, it should bear a USPS postmark. If you would like a postmark on this Certified Mail receipt, please present your Certified Mail item at a Post Office™ for postmarking. If you don't need a postmark on this Certified Mail receipt, detach the barcoded portion of this label, affix it to the mailpiece, apply appropriate postage, and deposit the mailpiece.
- IMPORTANT: Save this receipt for your records.**

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

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:

Heath Fox and Sarita Fox
4200 St. Joseph Road
Proctor, WV 26055

2. Article Number (Transfer from service label)

7019 2970 0001 4413 5133

PS Form 3811, July 2020 PSN 7530-02-000-9043

COMPLETE THIS SECTION ON DELIVERY

A. Signature Sarita Fox Agent Addressee

B. Received by (Printed Name) Sarita Fox C. Date of Delivery 12/20

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

3. Service Type Priority Mail Express® Registered Mail™ Registered Mail Restrict Delivery Certified Mail® Signature Confirmation™ Signature Confirmation™ Restricted Delivery Collect on Delivery Insured Mail Certified Mail Restricted Delivery Return Receipt (hardcopy) Return Receipt (electronic) Adult Signature Required Adult Signature Restricted Delivery Restricted Delivery (\$500)

Domestic Return Receipt

USPS TRACKING#

9590 9402 6634 1028 3379 40

United States Postal Service

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

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

RECEIVED
 Office of Oil and Gas
 DEC 28 2022
 WV Department of Environmental Protection
 04/14/2023

Columbia Gas Transmission, LLC

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



November 28, 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 (API # 47-103-00153-00-00) in Wetzel County, WV. Records indicate that Consol RCPC, LLC owns the coal on subject property.

To comply with WV DEP Code, 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)
- WV DEP form WW-2B (Well Work Permit Application)
- Copy of survey plat
- 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

RECEIVED
Office of Oil and Gas

DEC 28 2022

WV Department of
Environmental Protection

04/14/2023

4710300153W

7019 2970 0001 4413 5140

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

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

OFFICIAL USE

Certified Mail Fee	\$4.00	
		\$3.25
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	\$7.65	

Sent To
 Consol RCP, LLC
 Street and Apt. No., or PO Box No.
 1000 Consol Energy Drive, Suite 100
 City, State, ZIP+4®
 Camersburg, 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.
- 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.
- Adult signature service, which requires the signee to be at least 21 years of age (not available at retail).
- Adult signature restricted delivery service, which requires the signee to be at least 21 years of age and provides delivery to the addressee specified by name, or to the addressee's authorized agent (not available at retail).

■ To ensure that your Certified Mail receipt is accepted as legal proof of mailing, it should bear a USPS postmark. If you would like a postmark on this Certified Mail receipt, please present your Certified Mail item at a Post Office™ for postmarking. If you don't need a postmark on this Certified Mail receipt, detach the barcoded portion of this label, affix it to the mailpiece, apply appropriate postage, and deposit the mailpiece.

IMPORTANT: Save this receipt for your records.

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

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 RCP, LLC
 1000 Consol Energy Drive
 Suite 100
 Camersburg, PA 15317

9590 9402 6634 1028 3379 57

7019 2970 0001 4413 5140

COMPLETE THIS SECTION ON DELIVERY

A. Signature Agent
 Addressee

B. Received by (Printed Name) Jessica Schuler

C. Date of Delivery 12-7-22

D. Is delivery address different from item 1? Yes
 No

3. Service Type Priority Mail Express®
 Adult Signature Registered Mail™
 Adult Signature Restricted Delivery Registered Mail Restricted Delivery
 Certified Mail® Signature Confirmation™
 Certified Mail Restricted Delivery Signature Confirmation™
 Collect on Delivery Signature Confirmation™
 Delivery Restricted Delivery Restricted Delivery
 All Restricted Delivery (over \$500)

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

USPS TRACKING #

9590 9402 6634 1028 3379 57

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

United States Postal Service

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

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

RECEIVED
 Office of Oil and Gas
 DEC 28 2022
 WV Department of Environmental Protection
 04/14/2023

WW-2A1
(Rev. 1/11)

Operator's Well Number Victory A 4236

**INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE
Chapter 22, Article 6, Section 8(d)
IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)**

Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that –

- (1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
William Schafer	Hope Natural Gas Company		Oil and Gas Lease Volume 30A466
Frank J. Estep and Nettie H. Estep	The Manufacturers Light and Heat Company		Oil and Gas Lease Volume 44A496
Frank J. Estep and Nettie H. Estep, The Gore Corporation et al	The Manufacturers Light and Heat Company		Oil and Gas Lease Volume 45A40

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

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

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

The applicant further acknowledges that any Office of Oil and Gas permit in no way overrides, replaces, or nullifies the need for other permits/approvals that may be necessary and further affirms that all needed permits/approvals should be acquired from the appropriate authority before the affected activity is initiated.

Well Operator: Columbia Gas Transmission, LLC
 By: Its: Brad Nelson *Brad Nelson* RECEIVED
 Storage Engineer Office of Oil and Gas

DEC 28 2022

WW-2B1
(5-12)

N/A

Well No. Victory A 4236

West Virginia Department of Environmental Protection
Office of Oil and Gas

NOTICE TO SURFACE OWNERS

The well operator named below is preparing to file for a permit from the state to drill a new well. Before a well work permit can be filed with the Chief of the Office of Oil and Gas, the well operator is required to have given notice of the right to request water well or spring analytical testing. This notice shall be given to the owners or occupants of land which have a water well or spring being utilized for human consumption, domestic animals, or other general use and which is located within 1000 feet of the proposed well site.

With this form, the operator is giving you notice of your right to request analytical testing. The operator is required to sample and analyze the water wells or springs of all owners or occupants who request it. Therefore, if you wish to have your water well or spring tested, contact the operator named below.

All sampling shall be completed prior to drilling. Within thirty (30) days of the receipt of such sample analyses the operator shall submit the results to the Chief of the Office of Oil and Gas and to the owners or occupants who may have requested them.

Be advised, you have the right to sample and analyze any water supply at your own expense.

Listed below is the laboratory chosen by operator to perform analysis, and contactor chosen to collect sample.

Certified Laboratory Name _____
Sampling Contractor _____

Well Operator Not applicable - existing underground natural gas storage well.

Address _____

Telephone _____

FOR OPERATOR'S USE ONLY: Below, or on an attached page, list those persons which were given this notice. Place an asterisk beside the one(s) that contacted you and requested sampling and analyses. If there were no requests made, indicate by underling which one you have selected to sample and analyze. If there are no water wells or springs within 1000 feet of the proposed site, the Chief may require the operator to test wells up to 2000 feet from the proposed site.

RECEIVED
Office of Oil and Gas

DEC 28 2022

WV Department of
Environmental Protection

04/14/2023

WW-9
(5/16)

API Number 47 - 103 - 001530000
Operator's Well No. Victory A 4236

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) Steener Fork - A tributary of Fish Creek Quadrangle Wileyville, 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: _____

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

Proposed Disposal Method For Treated Pit Wastes:

- Land Application (if selected provide a completed form WW-9-GPP)
- Underground Injection (UIC Permit Number 34-009-23821, 34-009-23823, 34-009-23824, 34-105-23619)
- 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: Yes - steel piping connecting wellhead and tank(s).

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

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

Additives to be used in drilling medium? NaCl, biocide, polymer, starch, calcium carbonate, surfactant (CTCO), HCl acid (stimulation)

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) _____

-Landfill or offsite name/permit number? If needed: Rumpke Beech Hollow Landfill - Wellston, OH

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

RECEIVED
Office of Oil and Gas
DEC 28 2022

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

Elaine Rybski Elaine Rybski Notary Public

Stephen McCoy

My commission expires 5/11/2026

Commonwealth of Pennsylvania
County of Allegheny

04/14/2023

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) 0

Birdsfoot trefoil (empire) 9

Annual Rye 12

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: Stephen Mccoy

Digitally signed by Stephen Mccoy
Date: 2022.12.01 09:26:09 -05'00'

Comments: Seed and mulch all disturbed areas.

Title: WW Oil and Gas Inspector

Date: 12/1/22

Field Reviewed? () Yes () No

RECEIVED
Office of Oil and Gas

DEC 28 2022

WV Department of
Environmental Protection

04/14/2023

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): Steener Fork - A tributary of Fish Creek Quad: Wileyville, WV
Farm Name: SCHAFFER, WILLIAM

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

No fluids planned to be discharged.
No fertilizer will be stored on site. Small quantities of fuel, oil, and lubrications 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 and well servicing equipment will be monitored and inspected daily for leaks. Fluid pumping well service equipment will have secondary containment under all leak paths. 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.

Steener Fork is approximately 740' to the E.
The closest Well Head Protection Area is 6.1 mi. (WV3305206 - GRANDVIEW - DOOLIN 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.

RECEIVED
Office of Oil and Gas

DEC 28 2022

WV Department of
Environmental Protection

04/14/2023
Stephen McCoy

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 and well servicing equipment will be monitored and inspected daily for leaks or spills.

Signature: Stephen Mccoy Digitally signed by Stephen Mccoy
Date: 2022.12.01 09:25:39 -05'00'

Date: 12/1/22

RECEIVED
Office of Oil and Gas

DEC 28 2022

WV Department of
Environmental Protection

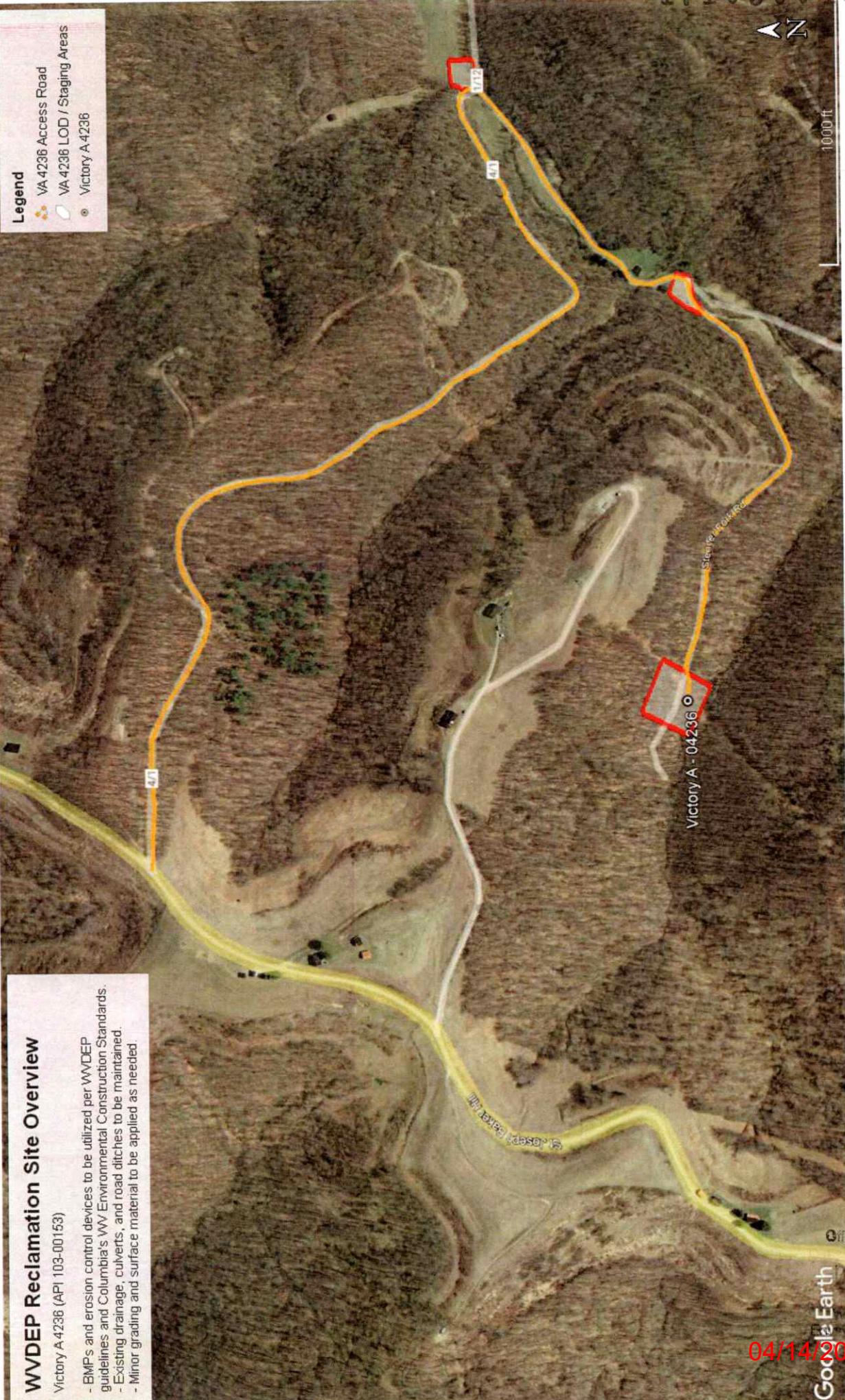
04/14/2023



1000 ft

Legend

- VA 4236 Access Road
- VA 4236 LOD / Staging Areas
- Victory A 4236



WVDEP Reclamation Site Overview
 Victory A 4236 (API 103-00153)

- 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.

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

04/14/2023

- Legend**
- VA 4236 Access Road
 - VA 4236 LOD / Staging Areas
 - Victory A 4236



WVDEP Reclamation Site Detail

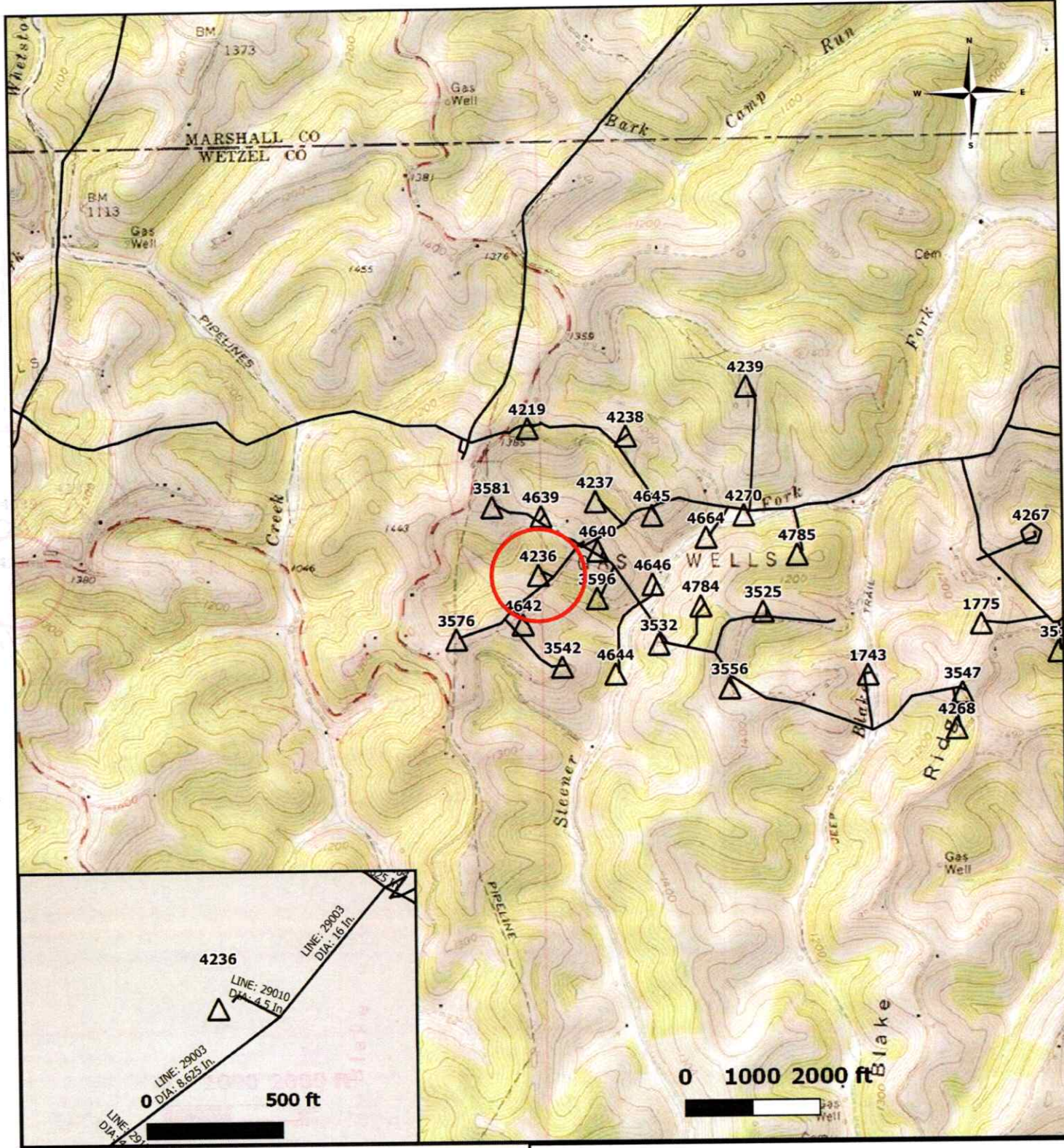
Victory A 4236 (API 103-00153)

- 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.

Google Earth

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

04/14/2023



Legend

Storage Well Classification

- △ Active
- ◻ Observation
- ◊ Special
- CPG Pipelines
- Well of Interest



VictoryA Storage Field
Storage Well 4236
Wetzel County, West Virginia

RECEIVED
 Office of Oil and Gas

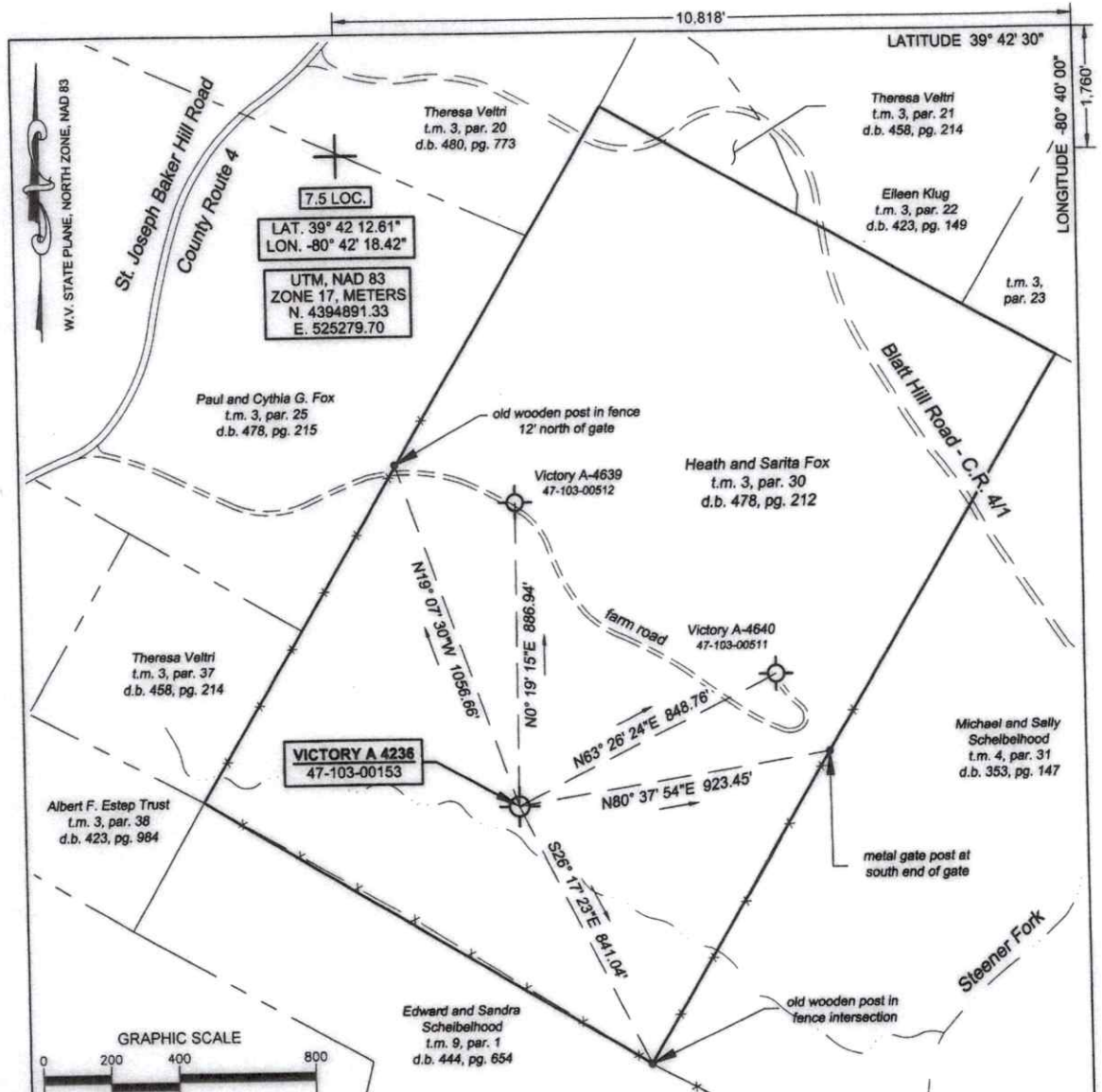
USGS Topographic Map (Scaled 2000 Ft/ In) to be included with
 PROJECT ENVIRONMENTAL INFORMATION FORM (PEIF).

DEC 28 2022

WV Department of
 Environmental Protection

04/14/2023

4710300153W

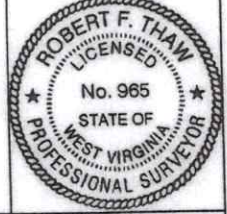


(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE No 2101-2345-001-004
 DRAWING No. VICTORY A-4236
 SCALE 1"=400
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION TRIMBLE R10
 GPS UNIT

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DIVISION OF ENVIRONMENTAL PROTECTION.

(SIGNED) R. Thaw
 ROBERT F. THAW PS #965



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

NITRO, WV

DATE MARCH 22 2022
 OPERATOR'S WELL No. 4236
 API WELL No. 47 103 - 00153W

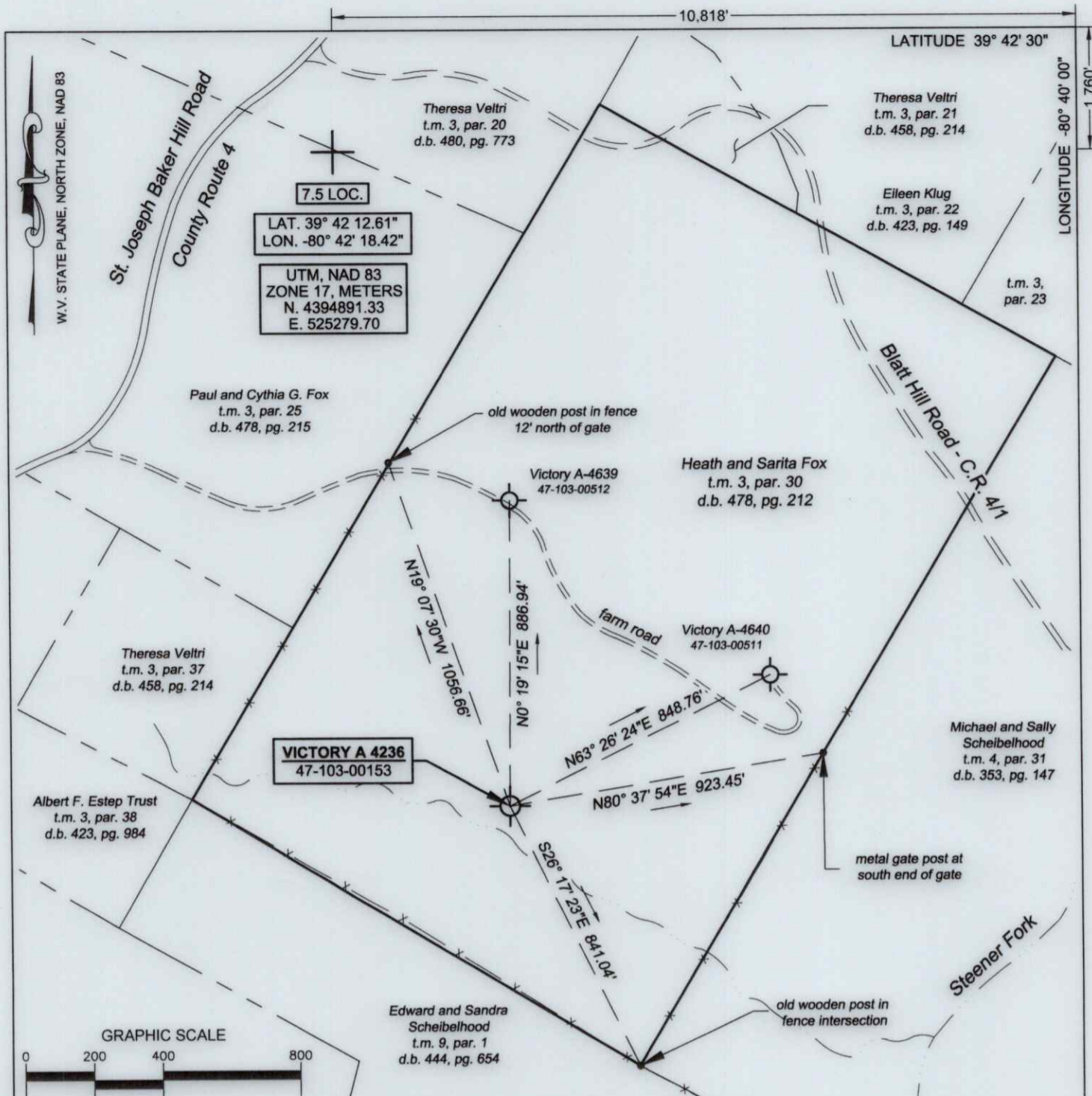
WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL STATE COUNTY PERMIT
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION 1152.6' WATER SHED STEENER FORK - A TRIBUTARY OF FISH CREEK
 DISTRICT PROCTOR COUNTY WETZEL
 QUADRANGLE WILEYVILLE, WV

SURFACE OWNER HEATH FOX AND SARITA FOX ACREAGE 75 ACRES
 OIL & GAS ROYALTY OWNER THERESA AND JOSEPH VELTRI-TRUSTESS OF THE ALBERT F. ESTEP TRUST
 LEASE ACREAGE 75 ACRES LEASE NO. 3027451-000, 3032044-000

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

TARGET FORMATION MAXTON ESTIMATED DEPTH 2955
 WELL OPERATOR COLUMBIA GAS TRANSMISSION, LLC DESIGNATED AGENT BRAD NELSON
 ADDRESS PO BOX 1273, CHARLESTON, WV 25325-1273 ADDRESS 455 RACETRACK ROAD WASHINGTON, PA 15301



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

FILE No 2101-2345-001-004
DRAWING No. VICTORY A-4236
SCALE 1"=400
MINIMUM DEGREE OF
ACCURACY 1:200
PROVEN SOURCE OF
ELEVATION TRIMBLE R10
GPS UNIT

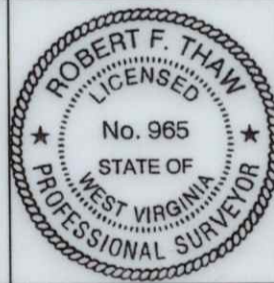
I THE UNDERSIGNED, HEREBY CERTIFY THAT
THIS PLAT IS CORRECT TO THE BEST OF MY
KNOWLEDGE AND BELIEF AND SHOWS ALL THE
INFORMATION REQUIRED BY LAW AND THE REGU-
LATIONS ISSUED AND PRESCRIBED BY THE
DIVISION OF ENVIRONMENTAL PROTECTION.

(SIGNED)

R. Thaw

ROBERT F. THAW

PS #965



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



DATE MARCH 22 2022
OPERATOR'S WELL No. 4236
API WELL No.

47 103 - 00153w

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

LOCATION: ELEVATION 1152.6' WATER SHED STEENER FORK - A TRIBUTARY OF FISH CREEK
DISTRICT PROCTOR COUNTY WETZEL
QUADRANGLE WILEYVILLE, WV

SURFACE OWNER HEATH FOX AND SARITA FOX ACREAGE 75 ACRES

OIL & GAS ROYALTY OWNER THERESA AND JOSEPH VELTRI-TRUSTEES OF THE ALBERT F. ESTEP TRUST

LEASE ACREAGE 75 ACRES LEASE NO. 3027451-000, 3032044-000

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE 04/14/2023
STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION
OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
PLUG AND ABANDON CLEAN OUT AND REPLUG

TARGET FORMATION MAXTON ESTIMATED DEPTH 2955

WELL OPERATOR COLUMBIA GAS TRANSMISSION, LLC
ADDRESS PO BOX 1273, CHARLESTON, WV
25325-1273

DESIGNATED AGENT BRAD NELSON
ADDRESS 455 RACETRACK ROAD
WASHINGTON, PA 15301



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

well work permit issued for 4710300153

1 message

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


Thu, Apr 13, 2023 at 8:50 AM

To: maria_medvedeva@tcenergy.com, Stephen E McCoy <stephen.e.mccoy@wv.gov>, slemley@wvassessor.com

To whom it may concern, a well work permit has been issued for 4710300153.

James Kennedy

WVDEP OOG

 **4710300153.pdf**
6755K

04/14/2023