

### west virginia department of environmental protection

Office of Oil and Gas 601 57th Street SE Charleston, WV 25304 (304) 926-0450 (304) 926-0452 fax Earl Ray Tomblin, Governor Randy C. Huffman, Cabinet Secretary www.dep.wv.gov

June 07, 2013

## WELL WORK PERMIT Re-Work

This permit, API Well Number: 47-10300220, issued to COLUMBIA GAS TRANSMISSION, LLC, 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 all 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 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.

In addition to the applicable requirements of this permit, and the statutes and rules governing oil and gas activity in WV, this permit may contain specific conditions which must be followed. Permit conditions are attached to this cover letter.

Per 35CSR-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) 926-0499 ext. 1654.

Startes Ivia

Operator's Well No: VICTORY A 4386

Farm Name: MCMAHON, AUGUSTUS III

API Well Number: 47-10300220 Permit Type: Re-Work

Date Issued: 06/07/2013

06/07/2013

WW - 2B (Rev. 8/10)

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

					103	07	681
) Well Operate	or: Colun	nbia Gas	Transmission, LL		Wetzel	Proctor	Wileyville
				_ Operator ID	County	District	Quadrangl
) Operator's V	Vell Numb	er: Victo	ry A 4386 (existing v	well)	3) Elevation:	1110	5
) Well Type: (	a) Oil	or Ga	as X				
(1	b) If Gas:	Produ	uction/ Und	erground Sto	rage X	<u> </u>	
		Deep	p/ S	hallow X			
) Proposed Ta	arget Forn	nation(s)	: Maxton	Cormotion at I	Proposed Tar	get Depth: 1	876 (actual)
) Approximate	fresh wa	ter strata	a depths: 885 ft (as r	pt'd by driller)	Proposed Tota	ar Depth: Max	
			1676 ft (as rpt'd by dri				
) Approximate	coal sea	m depth	s: Pittburgh 885 - 8	94 ft, Freeport 1	458 - 1465 ft (as	rpt'd by driller)	
0) Approxima	to void do	nthe (co	al, Karst, other):	none rpt'd by d	riller		
U) Approxima	le void de	pti 15,(CO					
					es		
1) Does land	contain co	al seam	s tributary to acti	ve mine? <u>y</u>			
1) Does land 2) Describe pro	contain co	oal seam Il work ar	s tributary to acti	ve mine? <u>y</u> ods in detail (a	ittach additiona		
1) Does land 2) Describe pro Il well. E-log. R	contain co pposed we epair/replac	oal seam Il work ar se existing	s tributary to acti nd fracturing metho 7" casing, or install	ve mine? <u>y</u> ods in detail (a new production	ittach additiona		
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Depths Set \* note that casing/tubing listed above is existing

				VEST V	IRGINIA DE OIL & GAS	PARTMENT OF	MINES				<del> </del>
Damest 4						E C O R D	<del></del>	•			
Pormit N			)	_				_	G:	as Wol	1
	. Yuaa	•		•					CAST	G & T	UB ING
District Proctor - Notzel Co Surface C. R. Rush, % To an Endicott, %. Va.					Ve. Ve. Sush ACRE ELEV. 112 Wetzel Cou . % Town	ES 13 20 unty			10 30 254 8-1/4 1647 1367 6-5/8 2253 1873 No packer		
Volume Rock Pros Water	sure		Nanc; Lydia Whoo: 4/11, 8-1/2 1,015 110 1 Frosh	Endicott, W. Va.  Nancy J. Rush, etal, Endicott, W.Va. Lydia Richmond Hrs. % Dr.O.L.Richmond Whooling, W. Va.  4/11/39 - Completed 5/1/39 8-1/2/10ths Water in 3° 1,015,000 c.f. 110 lbs. 3 hrs. Frosh W 892 - Salt W 1690					Coal & 786 & 890 foet		
Farnichion	Color	Heir	TOP	Base	RESULF	Formation	Color	1/3	TOP	13050	Kesult
Clay Limo Slate Sand Slate Rock Slate Limo Slate Coal Limo Slate Slate Lime Rock Lime Rock Lime Rock Lime Rock Limo Limo Limo Limo Limo	yol lgt lgt lgt drk rod lgt drk blk wh wh wh wh wh wh drk wh blk wh wh blk wh	TO T	0 15 20 85 125 125 125 127 220 240 260 327 380 448 475 560 650 775 6650 775 6650 775 894 9945 9945 1004 1012 1030 1042 1030 1045 1155 1125 1235 1235	15 20 85 125 125 127 220 240 240 240 240 240 240 240	Mapletown Pgh.	Slate Little Dur Slate B. Dunkard Slate Sand Slate Lime Slate Slate State Slate Slat	blk k. wh drk lgt lgt drk vh lst lst lst drk drk drk	s m s h s m s h&M s m s h	1260 1285 1305 1395 1405 1445 1480 1487 1545 1612 1630 1768 1710 1768 1787 1795 1812 1855 1873	1285 1305 1365 1395 1405 1445 1480 1487 1545 1612 1630 1678 1710 1768 1770 1795 1812 1855 1873	S7 1690 G∵s 1882- 1893

Received

MAY 15 2013

Office of Oil and Gas Protection

Office of Oil and Gas Protection

**WW-2A** (Rev. 6-07)

1). Date: 2/22/13

2.) Operator's Well Number

Victory A 4386 (existing well)

State County

103

Permit

3.) API Well No .:

47-

- 00220W

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

5112913 \$650,00

	ner(s) to be served:		5) (a) Coal Op	erator		102
(a) Name	Augustus McMahon, III	V	Name	McElroy Mining Co (su	bsidiary of Consolidation	Coal Company)
Address	208 Mountain Brook Rd		Address			
the state of the	Sylvia, NC 28779-7207			-		
(b) Name				wner(s) with Dec	laration	
Address			Name	Consolidation Coal Co	mpany	V
			Address	CNX River Operations		
				RD #4 Box 425 Mou	undsville, WV 26041	
(c) Name			Name			
Address	0		Address			
	-					- V
<ol><li>6) Inspector</li></ol>	Derek Haught			essee with Declar	ration	
Address	PO Box 85		Name			
	Smithville, WV 26178		Address			
Telephone	304-206-7613					
	TO THE P	<b>ERSONS NA</b>	MED ABOVE T	AKE NOTICE TH	IAT:	
I certify	ne information required	d by Chapter 22 r Chapter 22-6	of the West Viro	on 8(d) of the Code	served copies of t	his notice and
Included is the last of the la	ne information required that as required under ation plat, and accomparisonal Servic Certified Mail (P Publication (Not ad and understand Cr	d by Chapter 22-6 or Chapter 22-6 or Chapter 22-6 or Chapter 22-6 or Chapter 20-6 ice of Publication or Chapter 22-6 or Chapte	2, Article 6, Section of the West Virgents pages 1 through the receipt attached on attached attached ased on my inquing is true, accurate	on 8(d) of the Code I have so ugh on the about of the about of the term and am familiar with and complete.	ms and conditions ith the information uals immediately r	his notice and by:  Softant Permit  Submitted on esponsible for
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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 <a href="mailto:depprivacyofficer@wv.gov">depprivacyofficer@wv.gov</a>

## WW-2A Coal Waiver

Signature

RECEIVED Office of Oil and Gas

		MAY 1 3 2013
COAL OPERAT	TOR, OWNER, OR LESSEE	WAIVER
County Wetzel		WV Department of Environmental Protection
Operator Columbia Gas Transmission, LLC	Operator's Well Number	Victory A 4386 (existing well)
INSTRUCTIONS TO C	COAL OPERATOR, OWNER	, OR LESSEE
To the coal operator, owner, or leading objection you wish to make or are rewith the Chief of the Office of Oil and Gaby the Office. Mail objections to:	equired to make by WV Code	22-6-15, 16 or 17, must be filed
Chief, Office of Oil and Gas Department of Environmental Protection 601 57 <sup>th</sup> St. SE Charleston, WV 25304 (304) 926-0499 extension 1654		
	WAIVER	
The undersigned coal operator location has examined this proposed well location, the well location has been added work proposed to be done at this location requirements of the West Virginia Code a	l location. If a mine map exis d to the mine map. The und , provided, the well operator	ets which covers the area of well ersigned has no objection to the has complied with all applicable
FOR EXECUTION BY A NATURAL PERSON		JTION BY A CORPORATION, ETC.

Company

\$ignature

Name

Ву Its

Date

Paul Amick - Designated Agent J. Eric Shereda Manager of Engineering Date

WW-2B1 (5-12) Well No. Victory A 4386 (existing well)

# 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 Labora Sampling Conti	•	* Not applicable - existing underground natural gas storage well.	
Well Operator Address	Columbia Gas T	Transmission, LLC	
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.

O	perat	or's	Well	Number	Victory A	4386	(existing	well

### 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
Sadle M. Rush, et al	Cclumbia Gas Transmission, LLC	Storage Lease 31954222	63 / 517

Received
Office of Oil & Gas

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

The permit app licant for the proposed well work addressed in this application he reby a cknowledges 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 ac quired from the appr opriate aut hority before the affected activity is initiated.

Well Operator: By:Its:

Columbia Gas Transmission, LLC

James E. Amos - Senior Engineer

WW-9 Rev. 5/10

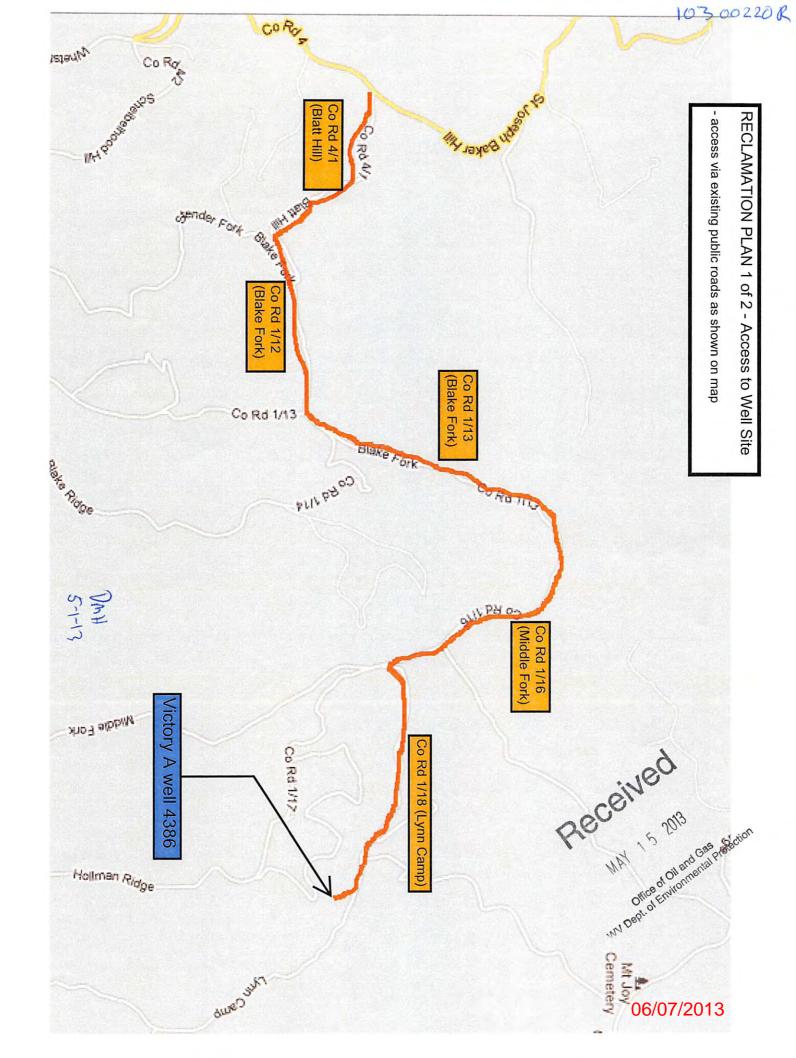
	Page _		of
API Number 47 -	103	-	00220W
Operator's Well No	o. Victory	A 4386	(existing well)

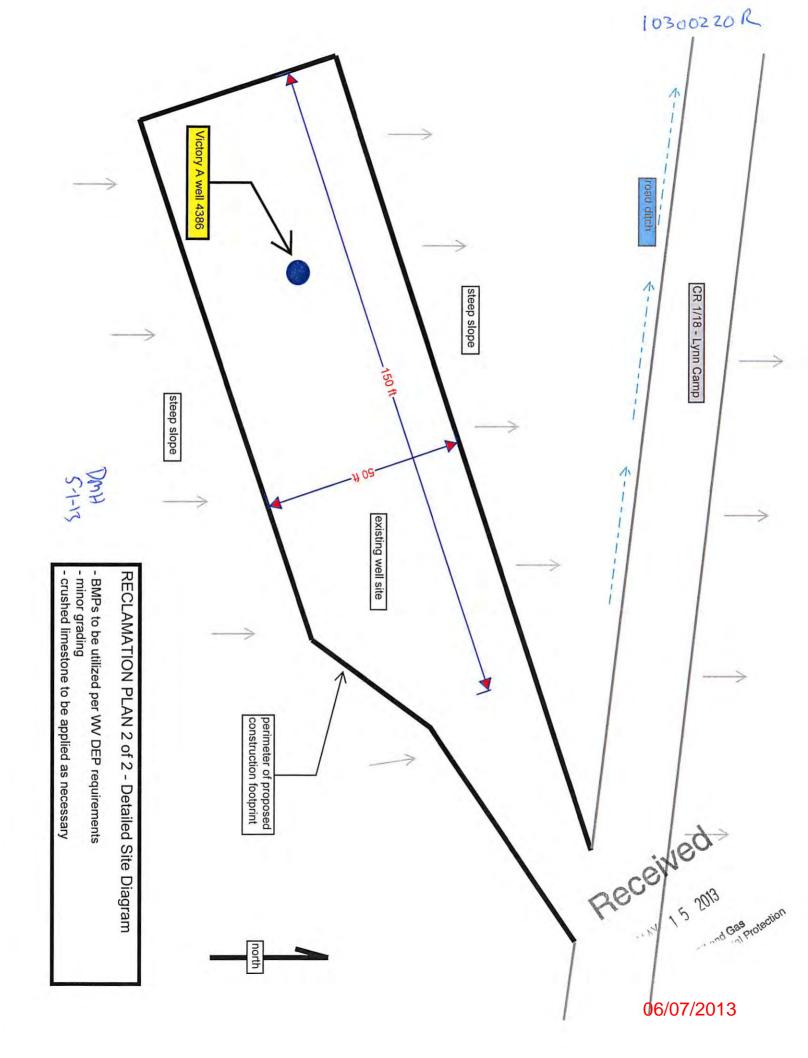
# STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS

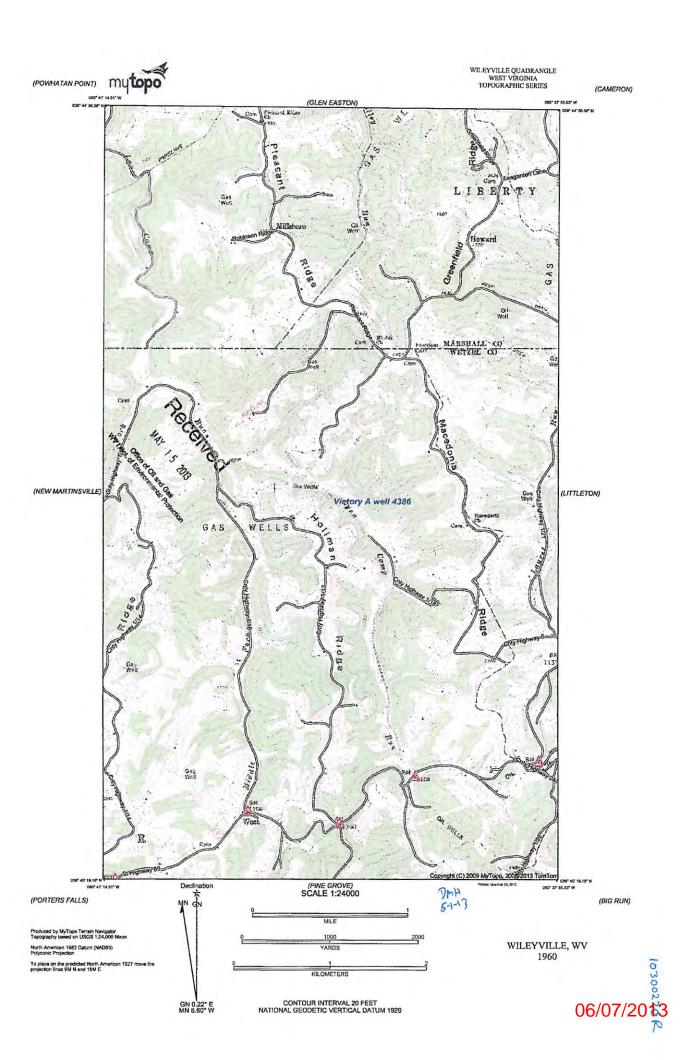
## CONSTRUCTION AND RECLAMATION PLAN AND SITE REGISTRATION APPLICATION FORM GENERAL PERMIT FOR OIL AND GAS PIT WASTE DISCHARGE

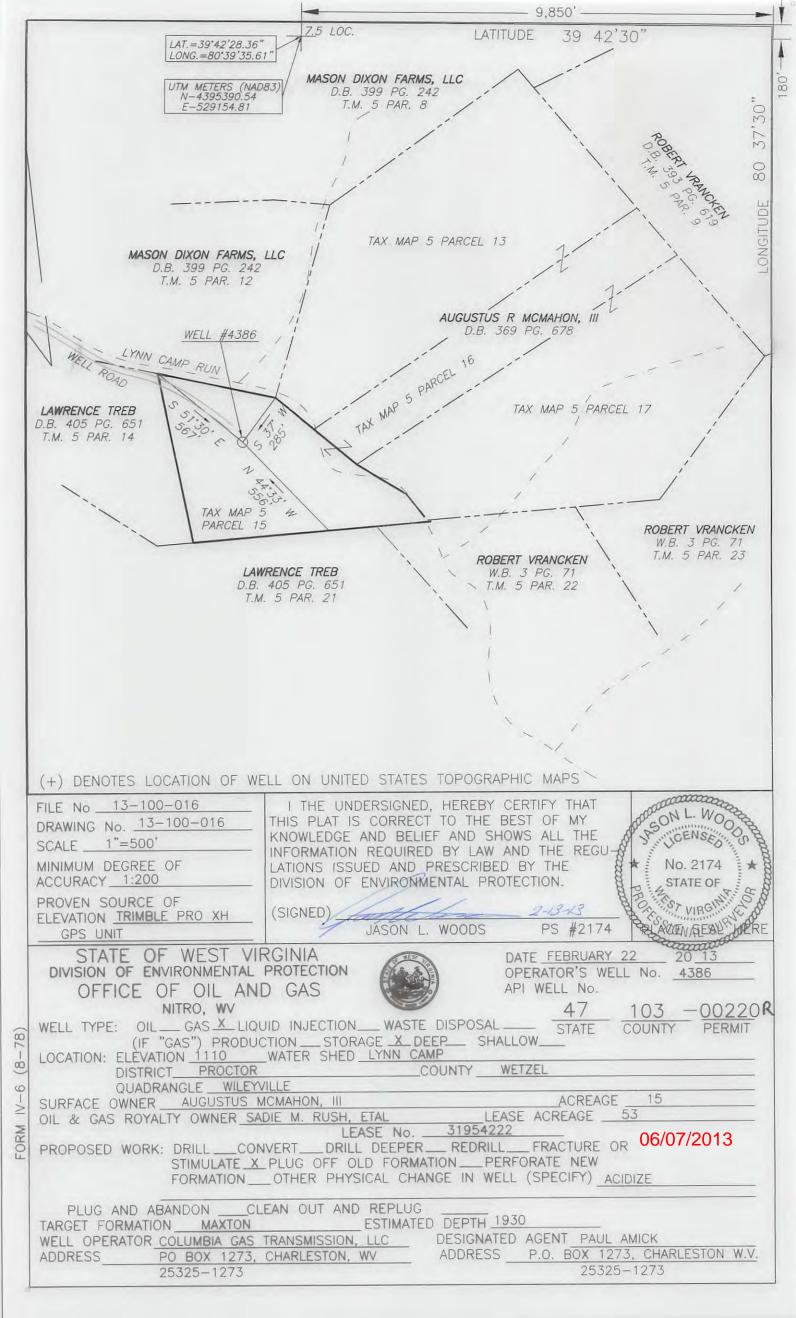
Operator Name Columbia Gas Trai	nsmission, LLC	OP Code 307032	
Watershed Lynn Camp	Qu	adrangle Wileyville	
Elevation 1110	County Wetzel	District Proctor	
Description of anticipated Pit W	aste: no earthen pit to be utilized (all recov	vered fluids to be captured in tanks)	
	an 5,000 bbls of water to complete the		
	the pit? N/A . If so, w	/nat mii.?	
Proposed Disposal Method For Land X Unde	Treated Pit Wastes: Application rground Injection ( UIC Permit Numl	per_34-167-2-9395 (WVOG); 34-167-2-	3862 (HWR-Nichols well)
	e (at API Number		)
Off S	ite Disposal (Supply form WW-9 for	disposal location)	
X Other	(Explain additional UIC wells: 34-121-2-3	3995 (Hunter-Warren well); 34-121-2-4	086 (Hunter-Travis well)
	this well? Air, freshwater, oil based,		
	? Synthetic, petroleum, etc		
Additives to be used? NA			V/h)+
Will closed loop system be used	Y yes Leave in pit, landfill, removed offsite	N/A - no drilling planned	Calais
-If left in pit and plan to	o solidify what medium will be used? ne/permit number?	Cement, lime, sawdust	
on August 1, 2005, by the Office provisions of the permit are enf law or regulation can lead to enf I certify under penalty application form and all attacl obtaining the information, I be	of law that I have personally examinents thereto and that, based on relieve that the information is true, as formation, including the possibility of	Department of Environmental Preerm or condition of the general princed and am familiar with the interpretation of those individuals occurate, and complete. I am awfine or imprisonment.  Amos	otection. I understand that the permit and/or other applicable information submitted on this immediately responsible for
Subscribed and sworn before me	e this 23 rd day of apr	i , 20 13	OFFICIAL SEAL NOTARY PUBLIC
My commission expires 3/	Cleaderer /22/2015	Notary Public	STATE OF WEST VIRGINIA MARY MARIE CLENDENIN COLUMBIA GAS TRANSMISSION CORPORATIO RR 2 BOX 138 MX CONTROL W 15675

		LEGEND		
Property Boundary	***	Diversion (1:1/1/1:1/1	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	L.
Rond = = = = = =	= = = = =	Spring O		
Existing Fence — 🗴	_ × _ × _	Wet Spot		
Planned Fence / .	_/_/_	Drain Pipe with size in inche	s — @ —	-
Stream		→ Waterway	$\Leftrightarrow$	
Open Ditch	·	→ Cross Drain		
Rock & Se Se	~	Artificial Filter Strip	*****	C
North N		Pit: cut walls	muy	
Buildings Water wells		Pit: compacted fill walls  Area for Land Application of	French	
Drill site		Aca for Land Application of		
D.I.I. 3.1.0		<u></u>		
Proposed Revegetation Treat	tment: Acres Disturbed < 1	acre Prevegetation	<sub>pH</sub> <u>5 - 6</u>	
Lime 2	Tons/acre or to correct t	<sub>opH</sub> 6.5		
	or equivalent) 500			
	or equivalent)	_lbs/acre (500 lbs minimum)		
Mulch 2	T	ons/acre		
		Seed Mixtures		
Ar	ea I	A	area II	
Seed Type	lbs/acre	Seed Type	lbs/acre	
Orchard Grass	20	Orchard Grass	20	
Ledino Clover	10	Ledino Clover	10	
Annual Rye	20	Annual Rye	20	
			A	
10.00			Pieceined	
Attach: Drawing(s) of road, location,	pit and proposed area for land	d application.	cella	
Photocopied section of invol	und 7.5! tonographic sheet		260 3013	7
Photocopied section of invol	ved 7.5 topographic sheet.		140	Gasprote
	7		HAT Oils	and ntal
Plan Approved by:			Plece dollar	iu.
Comments:			Dest. of	
			My	
-				
Title: 01 + 600 7	rsouter	Date: 5-1-17		
Field Reviewed?	Yes (_	) No		









Operator's Well Number Victory A 4386 (existing well)

### 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

Sadie M. Rush, et al

Columbia Gas Transmission, LLC

Storage Lease 31954222

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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 he reby a cknowledges the possibility of the need for permits and/or approvals from local, state, or federal entities in addition to the Receive 2013 DEP, Office of Oil and Gas, including but not limited to the following:

- WV Division of Water and Waste Management

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 ac quired from the appr opriate aut hority before the affect.

By:Its:

James E. Amos - Senior Engineer