

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

Austin Caperton, Cabinet Secretary www.dep.wv.gov

Friday, August 24, 2018 WELL WORK PERMIT Vertical / Re-Work

COLUMBIA GAS TRANSMISSION, LLC 1700 MACCORKLE AVENUE SE

CHARLESTON, WV 25314

Re: Permit approval for 2345 47-051-00322-00-00

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 Mark.

Operator's Well Number: 2345 Farm Name: GRAY, JASON U.S. WELL NUMBER: 47-051-00322-00-00 Vertical Re-Work Date Issued: 8/24/2018

Promoting a healthy environment.

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. <u>Failure to adhere to the specified permit</u> 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.
- 2. Pursuant to 35 CSR 4-19.1.a, at the request of the surface owner all water wells or springs within 1000 feet of the proposed well that are actually utilized for human consumption, domestic animals or other general use shall be sampled and analyzed.
- 3. Pursuant to 35 CSR 4-19.1.c, if the operator is unable to sample and analyze any water well or spring with one thousand (1,000) feet of the permitted well location, the Office of Oil and Gas requires the operator to sample, at a minimum, one water well or spring located between one thousand (1,000) feet and two thousand (2,000) feet of the permitted well location.
- 4. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
- 5. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
- 6. During the surface casing and cementing process, in the event cement does not return to the surface, or any other casing string that is permitted to circulate cement to the surface and does not return to the surface, the oil and gas inspector shall be notified within twenty-four (24) hours
- 7. Well work activities shall not constitute a hazard to the safety of persons.
- Operator shall provide the Office of Oil & Gas notification of the date that drilling commenced on this well. Such notice shall be provided by sending an email to DEPOOGNotify@wv.gov within 30 days of commencement of drilling.

WW - 2B (Rev. 8/10)

DEPART	MENT OF ENVIRONMENTAL PF WELL WORK PERM				<u>140</u>	
1) Well Operator:	Columbia Gas Transmission, LLC	307032	Marshall	Liberty	Cameron, WV	
		Operator ID	County	District	Quadrangle	
2) Operator's Well	Number: Victory B 2345	3	B) Elevation:	798.3 ft		
4) Well Type: (a) C	Dil or Gas X					
(b) lf	Gas: Production / Under	ground Stor	age <u>X</u>		Ju elle	i
	Deep/ Sha	Illow X			1/201	
5) Proposed Targe	et Formation(s): Big Injun Depth: <u>1861 MD ft (existing)</u> Feet For	F	Proposed Targ	get Depth: 1	610 MD ft	
6) Proposed Total	Depth: 1861 MD ft (existing) Feet Fou	rmation at P	roposed Tota	I Depth: Big I	njun	
	esh water strata depths: <u>none reported</u> It water depths: <u>none reported by driller in</u>					
9) Approximate co	al seam depths: Pittsburgh 478 - 83	3'				
10) Approximate v	oid depths,(coal, Karst, other): <u>no</u>	one reported by	y driller in 1965			
11) Does land con	tain coal seams tributary to active	e mine? ye	S			
12) Describe propos	sed well work and fracturing method	s in detail (at	tach additional	sheets if nee	eded)	

Kill. Replace top joint of 5-1/2" casing. Replace wellhead. Swab well.

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TYPE S	SPECIFIC	ATIONS		FOOTAGE	INTERVALS	<u>CEMENT</u>
	<u>Size</u>	<u>Grade</u>	<u>Weight per ft</u>	For Drilling	Left in Well	<u>Fill -up (Cu. Ft.)</u>
Conductor						
Fresh Water	10-3/4	H-40	32	249	249	160 sx
Coal	8-5/8	??	??	955	955	200 sx
Intermediate						
Production	5-1/2	J-55	17	1600	1600	400 sx
Tubing						
Liners						
Packers: Kind	d:				RECE Office of C	EIVED Dil and Gas
Size	es: oths Set				JUL 3	0 2018
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Form PD-44 a

COLUMBIA GAS SYSTEM - PITTSBURGH GROUP COMPANIES WELL LOG SUMMARY

_1_of _1_ Sheets

47-051-00322w

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VICTORY B STORAGE FIELD WELL 2345 MARS-322-D WELL STATUS: ACTIVE GRND. ELEV. = 799' 103/ H-40, 32# CEMENTED WITH 160 SHS. 15,2 # GOOD RETURN 247' SCALE 8 5/8" J-55, 24# CEMENTED WITH 200 SAS, 15.2 # 475' PITTSBURGHCOAL GOOD RETURN 600'= STEEL DIE NIPPLE 84 CRIGINAL CASING, RAN IN 1919 GR. 4 WT. UINKNOWN NOT CEMENTED 1950' 47.5-1045 BIG DUNKARD 1070'-1078' FARST COAL 1090'-1105' EGAS SAND 1145'-1168' FIRST SALTSAND 51/2" 5.55, 17# CEMENTED WITH 4005RS. 15.5# GOUD RETURN 1285'-1301 SECOND SALT SAND 1352'-1399' THIRD SALT SAND 1472'-1505' MAXTON SAND 1520'-1546' LOWER MAXTON SAND 1560'-1593' BIG LIME DIATA - 1507' PERFORATED, 4 SHTS/FT. IN 1962 1.59% 1 34" OPEN HOLE 1596- ?NOT & BIG INJUN LNOT T.D.=1861

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RECEIVED Office of Oil and Gas

JUL 3 0 2018

WV Department of Environmental Protection

47-051-00322W Form 109 1M-7-17 Pade 25 ·•• - 1 Company 2345 Division Gamerin 248 Fourth Ave., Pittsburgh, Pa. ME. Gran Record of Well No. 2345 Acres Farm Townshis Marchall County (Dan State Field 1918 15 Nov. .191 8 . Nov: 25 Completed **Rig Commenced** thec. 1919 Drilling Commenced 28 191 7 . Completed Jan. 97 Address of the will 2 7 Cost per foot #]. Contractor + Drillers' Names A . RIG BOILER ENGINE H.P. No. Name of Maker H. P. No. Name of Maker New OM Reight Name of Builder Beabout 82 ues CONDUCTOR AND CASING USED IN DRILLING Conductor 61/ inch 5 th tach S tach 4 inch 13 toch 10 inch 8% inch 6% Inch 5% inch q 7 250 CONDUCTOR AND CASING LEFT IN WELL S tuch 3 meh 11 inch #] inch dif theh 6.14 inch 5% mch 5 A Inch 4 meh Conductor 10 meb 31 16 GAS WELL OIL WELL Size of Fashes Pauked with waea aaat DIRO OF LOPPOGO set Der'e Production Tubing Deytla Det Pressure FORMATION Top Bottom Thickness REMARKS Lime & to 23 2 -Fine o Sl 9. 0 . 1 2 Ł 4 2 1. t. . 19 77 di darah 483 1 % 21 4(Jon, 27 1919 well shut in Ĺ 70 ã white so the 67s car į made with spring gaze, 55 - 100-130-145 160 open flow test - 26/10 water white any 1 white care ÷ ; 'n. RECEIVED Office of Oil and Gas 4 4:00 .6 white raid have coff JUL 3 0 2018 and in any WV Department of Environmental Protection d101t 1, 7 11 -211 a. sale meet by Contract lent of Co. All formations and known ands must be given by their proper same, with staal line measurements, and under the at what depth Ofl, Gas or Water was found, the quantity of same, the quality of the sand, and thickness of pay. and and Make no me anda of boiler and enrine if owned by contr

A. W. MYOLOV GO. POR. PA. 19887

47-051-00322W



STATE OF WEST VIRGINIA DEPARTMENT OF MINES OIL AND GAS DIVISION

Quadrangie Cameron

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WELL RECORD

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Division .								Der					• ••••	
Record of	well No.	2315		on Jason	OX87			Farm	_		<u>n</u>		cres	
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MOTE-The above blank must be filed 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 hown sands must be given by their proper name, will 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. WW-2A (Rev. 6-14)

4)	1). Date:	6/5/2	2018		-
	2.) Operator'	s Well	Number	Victorv	B 2345
			State	County	Permit
	3.) API Well	No.:	47-	051	- 00322
STATE OF WE					
DEPARTMENT OF ENVIRONMENTAL PR	OTECTION	, OFF	ICE OF	OIL AND O	GAS
NOTICE AND APPLICATION F	OR A WELL	. WOF	RK PER	MIT	

47-051-003220

4) 5	Surface Owr	ner(s) to be served: 5) (a) Coal Ope	rator
((a) Name	Mason Dixon Farms LLC	Name	MCELROY COAL COMPANY
A	Address	PO Box 360911	Address	1000 Consol Energy Dr
		Melbourne, FL 32936		Canonsburg, PA 15317
((b) Name	Jeremiah & Andrea Magers	(b) Coal Ov	vner(s) with Declaration
ŀ	Address	145 Millers Cove Ln	Name	Consolidated Coal
		Cameron, WV 26033	Address	1000 Consol Enerav Dr
				Canonsburg, PA 15317 /
((c) Name	Rodney Wallace	Name	RECEIVED
ŀ	Address	1066 Fork Ridge Rd	Address	Office of Oil and Gas
		Moundsville, WV 26041		JUL 3 0 2018
6) In	spector	James Nicholson	(c) Coal Le	ssee with Declaration
A	Address	PO Box 44	Name	McElrov Coal Company WV Department of
		Moundsville, WV 26041	Address	1000 Consol Energy Dr Environmental Protection
Т	elephone	304-552-3874		Canonsburg, PA 15317
		TO THE PERSONS NAMI	ED ABOVE TA	KE NOTICE THAT:
I	Included is th	e lease or leases or other continuing co	ontract or contra	cts by which I hold the right to extract oil and gas
OR				
<u>x</u>				8(d) of the Code of West Virginia (see page 2)
anali				hia Code I have served copies of this notice and
appii	ication, a loca	Personal Service (Affidavit attache		gh on the above named parties by:
	X	Certified Mail (Postmarked postal		0
	<u></u>	Publication (Notice of Publication		
	I have rea			agree to the terms and conditions of any permit
issue	ed under this			
				nd am familiar with the information submitted on
				of those individuals immediately responsible for
obtai		rmation, I believe that the information is		
impri	isonment.	re that there are significant penalties to	or submitting rais	e information, including the possibility of fine and
a a a	isonment.	Well Operator (Columbia Gas	Transmission, LLC
A NEW	NOTARY	PUBLIC OFFICIAL SEAL	James E. Am	
1	State State	e of West Virginia Its: S	Senior Engine	
0.00		ommission Expires Address: 4	18 Columbia	
Set Jan	413 Fitzhugh	St Ravenswood, WV 26164	Sandyville, W	V 2527 5
			304-373-2412	
				Otranscanada.com
Subs	scribed and s	worn before me this <u>f</u> day of	July	, 20322 20 8
	VILE	A Clunk	/	Notary Public
My C	Commission E	-xpires D 1.11	9/2022	
	d Gas Privacy I		your	

Oil and Gas Privacy Notice

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

WW-2A1 (Rev. 1/11)

Operator's Well Number Victory B 2345

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
Robert C. Hinkle, et al	Columbia Gas Transmission, LLC	Storage Lease 3002262-000	515 / 597

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

The permit app licant for the proposed well work add ressed in this ap plication 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:

RECEIVED Office of Oil and Gas

JUL 3 0 2018

Columbia Gas Transmission, LLC	\sim	$\boldsymbol{\mathcal{C}}$
James E. Amos	8	lim
Senior Engineer		

WV Department of Environmental Protection

W	W-9
(5/	16)

W W -9 (5/16)	API Number 47 - 051 - 00322 Operator's Well No. Victory B 2345	
DEPARTMENT OF E OFFICE	OF WEST VIRGINIA INVIRONMENTAL PROTECTION E OF OIL AND GAS 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 co Will a pit be used? Yes No	omplete the proposed well work? Yes No	
If so, please describe anticipated pit waste:		RECEIVED
Will a synthetic liner be used in the pit? Yes	No If so, what ml.?	Office of Oil and Gas
Proposed Disposal Method For Treated Pit Wastes	S:	JUL 3 0 2018
Underground Injection (UIC Pe Reuse (at API Number Off Site Disposal (Supply form	www-9 for disposal location) er Services, Masontown, PA (permit 2608201)	WV Department of <u>Environmental Protection</u>)
Will closed loop systembe used? If so, describe: yes - stee	el piping connecting wellhead and tank(s)	
Drilling medium anticipated for this well (vertical and horiz	zontal)? Air, freshwater, oil based, etc. N/A - no drilling plan	ned
-If oil based, what type? Synthetic, petroleum, etc	h	
Additives to be used in drilling medium?No drilling planned; free	sh water, polymer, starch, LCM, surfactant, HCI acid, iron control (for clean-out and	d stimulation)
Drill cuttings disposal method? Leave in pit, landfill, remov	ved offsite, etcN/A - no drilling planned	
-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 Cas 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.

	JAAAAA
Company Official Signature	
Company Official (Typed Name) James E. Amos	
Company Official Title Senior Well Services Engineer	
	3 Fitz
Subscribed and sworn before me this 13th day of July, 2018 My commission expires 6(9/2022	ARY PUBLIC OFFICIAL SEAL MICHAEL D MCCLUNG State of West Virginia My Commission Expires June 19, 2022 nugh St Ravenswood, WV 26164

Form	W	W.	.9

Operator's Well No. Victory B 2345

Proposed Revegetation Treatm	nent: Acres Disturbed < 1.0	Preveg etation	on pH 6			
Lime 2	Tons/acre or to correct to pF	ł <u>7</u>				
Fertilizer type 10-10)-10					
Fertilizer amount 60	01	bs/acre				
Mulchstraw @ 2 for permanent (@ 3 for temporary)Tons/acre						
Seed Mixtures						
Temporary		Pe	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				

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: Jun Unileolan	
Comments:	
	RECEIVED Office of Oil and Gas
	JUL 3 0 2018
	WV Department of Environmental Protection

Title: Oil & Cars Inspector Date: 7/26/18 Field Reviewed? ()Yes ()No

47-051-00322W

WW-9- GPP Rev. 5/16 Page _____ of _____ API Number 47 - 051 ___ 00322 Operator's Well No. Victory B 2345

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

Ouad: Cameron, WV

Farm Name: Mason Dixon Farms, LLC (WV DEP records indicate Gray, Jason)

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 lubrications will be stored on site, but located within secondary containment.

Spills from construction equipment and well treatment fluids is the only source of contaminate to groundwater.

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.

No discharges planned. Fish Creek is approximately 410 ft to the SW.

PWSID WV9925016 ZPC Covestro (FKA Bayer Material) and PWSID WV3304803 ZPC Sisterville Municipal Water intersects protection area. Refer to enclosed SWAP Protection Area letter dated 2/16/18 from the Dept of Health and Human Resources.

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

N/A

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JUL 3 0 2018

WV Department of Environmental Protection

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

47-051-00322W

WW-9- GPP Rev. 5/16 Page _____ of ____ API Number 47 - 075 -Operator's Well No. Victory B 2345

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.

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 spill.

Signature: Date:

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JUL 3 0 2018

WV Department of Environmental Protection



STATE OF WEST VIRGINIA **DEPARTMENT OF HEALTH AND HUMAN RESOURCES Bureau for Public Health**

Office of Environmental Health Services

Bill J. Crouch Cabinet Secretary Rahul Gupta, MD, MPH, MBA, FACP Commissioner **State Health Officer**

February 16, 2018

William Timmermeyer TransCanada -Columbia Pipeline Group 1700 MacCorkle Ave., SE Charleston, WV 25314

Re: WV DEP SWAP Info Request **Protection Areas for 8 wells** Randolph/Preston/Marshall Counties,

Dear Mr. Timmermeyer:

This is a response to the informational request dated February 15, 2018 concerning protection areas near eight wells.

Well	PA PWSID	РА Туре	System Name	County	Note
Glady 7455	WV9942049	ZPC	USFS Middle Mountain Cabins HP	Randolph	Distance 1 mile, does not intersect any PA
Glady 7459					Out of WV State
Terra Alta South 7500	WV3303908	ZPC	Kingwood Water Board Primary	Preston	Intersects Protection Area
Victory B 2265	WV9925016	ZPC	Covestro (FKA Bayer Material)	Marshall	Intersects Protection Area
· · ·	WV3304803	ZPC	Sistersville Municipal Water	Marshall	Intersects Protection Area
Victory B 2345	WV9925016	ZPC	Covestro (FKA Bayer Material)	Marshall	Intersects Protection Area
· ·	WV3304803	ZPC	Sistersville Municipal Water	Marshall	Intersects Protection Area
Victory B 2589	WV9925016	ZPC	Covestro (FKA Bayer Material)	Marshall	Intersects Protection Area
Victory B 3522	WV9925016	ZPC	Covestro (FKA Bayer Material)	Marshall	Intersects Protection Area
Victory B 4502	WV9925016	ZPC	Covestro (FKA Bayer Material)	Marshall	Distance 250 feet, does not intersect any PA

Based on the current information, we have found the following:

I hope the information provided helps you with the completion of your project. If you have any questions, please do not hesitate to contact me at (304) 356-4309.

RECEIVED Office of Oil and Gas

JUL 3 0 2018

WV Department of Environmental Protection

Sincerely

Lisa A. King, GIS Administrator Source Water Assessment and Protection

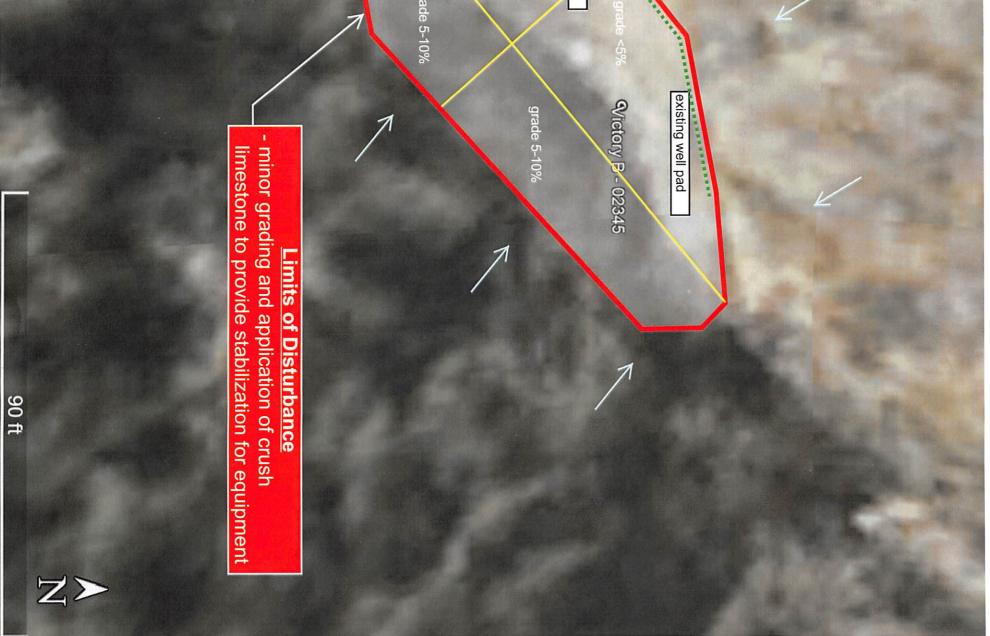
CC: William J. Toome



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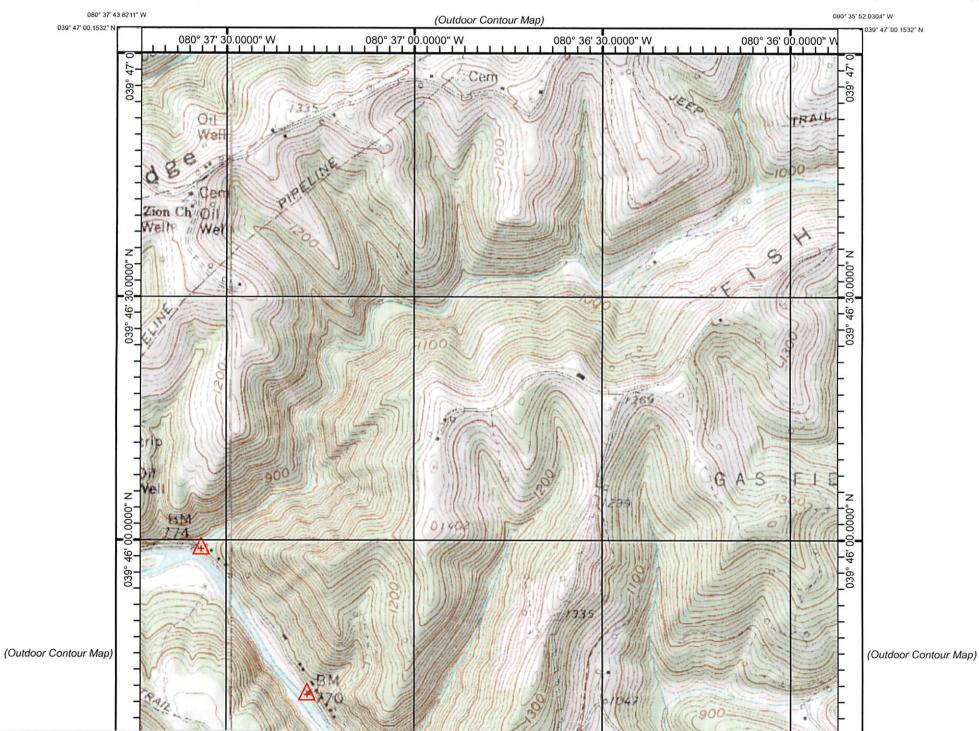
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WV Department of Environmental Protection



USGS TOPO SHADED RELIEF MAP QUADRANGLE WEST VIRGINIA RELIEF SERIES

(Outdoor Contour Map)



Strimble.

(Outdoor Contour Map)

