

### 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, June 21, 2019
WELL WORK PLUGGING PERMIT
Vertical Plugging

XTO ENERGY, INC. 810 HOUSTON STREET FORT WORTH, TX 76102

Re: Permit approval for E-0073 47-033-03618-00-00

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

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

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

Operator's Well Number: E-0073

Farm Name: MONONGAHELA POWER CO

James A. Martin

Chief

U.S. WELL NUMBER: 47-033-03618-00-00

Vertical Plugging Date Issued: 6/21/2019

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 conditions may result in enforcement action.</u>

### **CONDITIONS**

- 1. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
- 2. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
- 3. Well work activities shall not constitute a hazard to the safety of persons.
- 4. This well is under a consent order and must be plugged under the terms of that agreement.

WW-4B Rev. 2/01

1)Date_	4/9	,	20 19	
2) Operat	or's		-	
Well N	lo. E-00	73		
3) API We	ll No.	47-033	- 03618	P

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

4)	Well Type: Oil / Gas X / Li	quid injection / Waste disposal/
		Underground storage ) Deep / Shallow X
5)	Location: Elevation 1,170'	Watershed Lower West Fork River
	District Eagle	County Harrison Quadrangle Shinnston
6)	Well Operator XTO Energy Inc.	7) Designated Agent Gary Beall
0,	Address PO Box 1008	Address PO Box 1008
	Jane Lew, WV 26378	Jane Lew, WV 26378
8)	Oil and Gas Inspector to be notified	9) Plugging Contractor
	Name Sam Ward	Name
	Address PO Box 2327	Address
	Buckhannon, WV 26201	
	Work Order: The work order for the See attached	manner of plugging this well is as follows:
		RECEIVED Office of Oil and Gas
		RECEIVED Office of Oil and Gas
		RECEIVED Office of Oil and Gas APR 1.7 2019  WW Department of
		RECEIVED Office of Oil and Gas APR 1.7 2019  WV Department of
		RECEIVED Office of Oil and Gas APR 1.7 2019  WW Department of
		RECEIVED Office of Oil and Gas APR 1.7 2019  WW Department of
Not	See attached	RECEIVED Office of Oil and Gas APR 1.7 2019  WW Department of
Not	See attached  ification must be given to the distric	Office of Oil and Gas  APR 1.7 2019  WV Department of Environmental Protection

API

Farm Name

Well Number

47-033-03618

Monongahela Power Co.

E-0073

Elevation: 1,170'

### **Plugging Procedure**

6% gel 2,578' - surface.

Perfs: 2,533' - 2,440' - 2,384'.

Cement 2,578' - 2,300' = 278' x 0.0163 = 4.6 bbl = 24 sks. Disp. 8 bbl.

Tag cement.

6 % gel - 2,300' - 2,140'.

Perfs: 2,090' - 1,960'.

<u>Cement 2,140 - 1,900'</u> =  $240' \times 0.0163 = 4 \text{ bbl} = 21 \text{ sks. Disp. 7 bbl.}$ 

6% gel - 1,900' - 1,705'.

Perfs: 1,652' - 1,639'.

<u>Cement 1,705' - 1,500'</u> =  $205' \times 0.0163 = 3.5 \text{ bbl} = 18 \text{ sks.}$  Disp. 5 bbl.

6% gel 1,500' - 1,215'.

Elevation at 1,170', bottom of 8 5/8" at 1,009'.

<u>Cement 1,215' - 950'</u> =  $265' \times 0.0163 = 4.4 \text{ bbl} = 22 \text{ sks. Disp. 3 bbl.}$ 

6% gel - 950' - 890'.

Cut 4.5" - 890' per cement bond log - 7/7/89 (Allegheny).

<u>Cement 890' - 790'</u> =  $100' \times 0.0652 = 6.6 \text{ bbl} = 34 \text{ sks}$ . Disp. 12 bbl.

6% gel 790' - 200'.

Cement 200' - surface =  $200 \times 0.0652 = 13.2 \text{ bbl} = 63 \text{ sks}$ .

Will check on cement top on the 8 5/8" and adjust as needed.

MAY BE CTS

9 mm

Install 6" well monument.

5DW 41912019

RECEIVED Office of Oil and Gas

47-033-044501

APR 1 7 2019

WR-35

23-May-89 API # 47- 33-03618

State of West Virginia DEPARTMENT OF ENERGY Division of Oil and Gas

Parm name: MONONGAHELA POWER CO. Operator Well No.: V. LUCAS: 15-E73  LOCATION: Elevation: 1162.00 Quadrangle: SHINNSTON  District: EAGLE		We	ll Operat	tor's Re	port of N	Well Work			
District: EAGLE Latitude: 9150 Feet South of 39 Deg. 25Min. 0 Sec. Longitude 2480 Feet West of 80 Deg. 25Min. 0 Sec.  Company: EXCEL ENERGY, INC 901 W. MAIN STREET, SUITE 201 Casing Used in Left (Cement BRIDGEPORT, WV 26330-0000  Agent: H. L. BARNETT  Inspector: STEVE CASEY Fermit Issued: 05/23/89 Well work Commenced: 06/26/89 Well work Commenced: 06/26/89 Well work Completed: 06/30/R9 Verbal Plugging Permission granted on: Rotary X Cable Rig Total Depth (feet) 2635' Fresh water depths (ft)  1150' Salt water depths (ft) Salt water d	Farm name:	MONONGAHEL	A POWER	co.	Operator	Well No.: V	LUCAS 1	5-E73	3
Latitude: 9150 Feet South of 39 Deg. 25Min. 0 Sec.  Longitude 2480 Feet West of 80 Deg. 20 Min. 0 Sec.  Company: EXCEL ENERGY, INC 901 W. MAIN STREET, SUITE 201 Casing Used in Left   Coment BRIDGEPORT, WV 26330-0000	LOCATION:	Elevation:	1162.00	Quadr	angle: Si	HINNSTON			
901 W. MAIN STREET, SUITE 201 Casing Used in Left Cement Fill Up Tubing Drilling in Well Cu. Ft.  Agent: H. L. BARNETT  Inspector: STEVE CASEY Size  Permit Issued: 05/23/89 11 3/4" 153' 153' 75 sks Well work Commenced: 06/26/89 Well work Commenced: 06/26/89 Well work Commenced: 06/30/89 Verbal Plugging Permission granted on: Rotary X Cable Rig Total Depth (feet) 2635' Fresh water depths (ft)  Salt water depths (ft)  1150' Salt water depths (ft)  1150' Scoal beang mined in area (Y/N)? No Coal Depths (ft):  OPEN FLOW DATA  OVISION OF OIL & GAS REPARTMENT OF EMERGY  Producing formation 5th, 4th, & Gordon Pay zone depth (ft) 2165-253 Gas: Initial open flow MCF/d oil: Initial open flow Bbl/d Time of open flow between initial and final tests Hours Static rock Pressure 200 psig (surface pressure) after 72 Hours  Second producing formation 50 Foot Trium Pay zone depth (ft) 1639-2196 Gas: Initial open flow MCF/d oil: Initial open flow Bbl/d Time of open flow between initial and final tests Hours Static rock Pressure 2000 psig (surface pressure) after 72 Hours  Second producing formation 50 Foot Trium Pay zone depth (ft) 1639-2196 Gas: Initial open flow MCF/d oil: Initial open flow Bbl/d Time of open flow between initial and final tests Hours Static rock Pressure Commingled MCF/d oil: Initial open flow Bbl/d Time of open flow between initial and final tests Hours Static rock Pressure Commingled MCF/d oil: Initial open flow Bbl/d Time of open flow Botween initial and final tests Hours Static rock Pressure Commingled MCF/d oil: Initial open flow Bbl/d Time of open flow Bbl/d	·	Latitude:	9150 F	eet Sout eet West	h of 39	Deg. 25Min.	. 0 Sec.		
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Permit Issued: 05/23/89 well work Commenced: 06/26/89 well work Co	_				Size		 	 !	
Permission granted on: Rotary X Cable Rig Total Depth (feet) 2635' Fresh water depths (ft)  Salt water depths (ft)  Is coal being mined in area (Y/N)? No Coal Depths (ft):  OPEN FLOW DATA  Producing formation 5th, 4th, & Gordon Pay zone depth (ft) 2365-2513  Gas: Initial open flow MCF/d Oil: Initial open flow Bbl/d Time of open flow between initial and final tests Hours  Second producing formation 50 Foot, Injum Pay zone depth (ft) 139-2196 Gas: Initial open flow MCF/d Oil: Initial open flow Bbl/d Time of open flow MCF/d Oil: Initial open flow Bbl/d Final open flow MCF/d Oil: Initial open flow Bbl/d Gas: Initial open flow MCF/d Oil: Initial open flow Bbl/d Final open flow MCF/d Oil: Initial open flow Bbl/d Final open flow MCF/d Oil: Initial open flow Bbl/d Final open flow MCF/d Final open flow Bbl/d Final open flow MCF/d Final open flow Bbl/d Fin	Permit Issu Well work C	ed: ommenced:	05/23/8 _06/26/8	9	11 3/4"	153'	153'	75	sks
A8' 128' 190' Salt water depths (ft)  1150' Is coal being mined in area (Y/N)? No Coal Depths (ft):  OPEN FLOW DATA  OVISION OF OIL & GAS DEPARTMENT OF ENERGY  Producing formation 5th, 4th, & Gordon Pay zone depth (ft) 2165-2513 Gas: Initial open flow MCF/d Oil: Initial open flow Bbl/d Final open flow Bbl/d Time of open flow between initial and final tests Hours Static rock Pressure 200 psig (surface pressure) after 72 Hours  Second producing formation 50 Foot Injun Pay zone depth (ft) 1639-2196 Gas: Initial open flow MCF/d Oil: Initial open flow Bbl/d Final open flow Bbl/d Time of open flow between initial and final tests Hours Static rock Pressure_comingledMCF/d Final open flow Bbl/d Time of open flow between initial and final tests Hours Static rock Pressure_comingledpsig (surface pressure) after 72 Hours  NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.  For: EXCEL ENERGY, INC  By: WWDepartment of Environmental Protection  WVDepartment of Environmental Protection	Verbal Plug Permission	ging granted on:	•	9	8 5/8"	1009	1009'	275	sks
OPEN FLOW DATA   Fresh water	depths (ft	.)		4 1/2"	2579	2579'	320	sks	
OPEN FLOW DATA  OlVISION OF OIL & GAS DEPARTMENT OF ENERGY  Producing formation 5th, 4th, & Gordon Far zone depth (ft) 2365-2533 Gas: Initial open flow Final	1150'				   	1915	CEIV	EM	
Producing formation 5th, 4th, & Gordon Pay zone depth (ft) 2365-2533  Gas: Initial open flow MCF/d Oil: Initial open flow Bbl/d Final open flow 628 MCF/d Final open flow Bbl/d Time of open flow between initial and final tests Hours Static rock Pressure 200 psig (surface pressure) after 72 Hours  Second producing formation 50 Foot, Injun Pay zone depth (ft) 1639-2196 Gas: Initial open flow MCF/d Oil: Initial open flow Bbl/d Final open flow MCF/d Oil: Initial open flow Bbl/d Time of open flow between initial and final tests Hours Static rock Pressure comingled MCF/d Final open flow Bbl/d Time of open flow between initial and final tests Hours Static rock Pressure comingled psig (surface pressure) after 72 Hours  NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.  For: EXCEL ENERGY, INC  By: WWD Department of Environmental Protection Forward Protection Forwa	Is coal bei Coal Depths	ng mined in (ft):	area (Y	/N)? <u>No</u>	 		JUL 1 4 198		
Final open flow 628 MCF/d Final open flow Bbl/d Time of open flow between initial and final tests Hours Static rock Pressure 200 psig (surface pressure) after 72 Hours Second producing formation 50 Foot Injun Pay zone depth (ft) 1639-2196 Gas: Initial open flow MCF/d oil: Initial open flow Bbl/d Final open flow Comingled MCF/d Final open flow Bbl/d Time of open flow between initial and final tests Hours Static rock Pressure Comingled psig (surface pressure) after 72 Hours NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.  For: EXCEL ENERGY, INC  By: WW Department of Environmental Protection	OPEN FLOW D	ATA				DEPAR	TMENT OF E	NERGY	·
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By: Wy Department of Environmental Protection	INTERVALS, LOG WHICH	FRACTURING IS A SYSTI	OR STIN	MULATING ETAILED	, PHYSIC	CAL CHANGE,	ETC. 2). OF ALL FO	THE RMATI RECEIVE e of Cilia	WELL ONS, D nd Gas
By: Fnvironmental Protection			For:	EXCEL E	NERGY, IN	NG /	AF	'R 1-7	<del>2019-</del>
					July K.	1989	Enviro	Departm nmental F	ent of <u>rotection</u>

### (PEVENSE)

### DETAILS OF PERFORMED INTERNALS, FINCTURERS ON STRIBLATURE, PHYSICAL CHARGE, ERC.

STAGE I - Fourth & Fifth Sands (2440'-2533') 14 holes, 35,000# sand, 400 BBL 75Q Foam, 500 Gal 15% HCL.

STAGE II - 50' & Gordon (2090'-2384') 16 holes, 35,000# Sand, 400 BBL 75Q Foam, 750 Gal 15% HCL.

STAGE III - Injun (1639'-1652') 13 holes, 30,000# sand, 300 BBL 75Q Foam, 500 Gal 15% HCL.

### WELL LOG

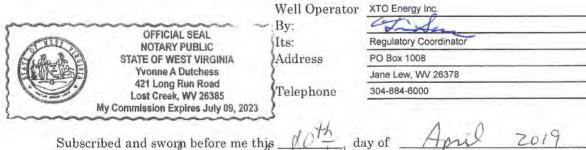
		ELL ING .	
FORMATION COLOR HARD OR SOFT	TOP FEET	DOTTOM FEET	neiviles Including indication of all fresh and salt water, coal, oil and gas
Shale Sand & Shale Coal Sand & Shale Sand & Shale Sand Shale & Sand Big Lime Big Injun Shale 50' Sand Shale & Sand Gordon Sand Shale Fourth Sand Shale Fifth Sand Shale	0' 15' 97' 128' 131' 640' 769' 1453' 1564' 1631' 2024' 2139' 2366' 2396' 2442' 2465' 2526' 2545'	15' 97' 128' 131' 640' 769' 1453' 1564' 1631' 2024' 2139' 2366' 2396' 2442' 2465' 2526' 2545' 2635' DTD	1/4" Stream @ 48' Damp @ 128'  1/4" Stream @ 190' Damp @ 1150'  DIFCETVED  JUL 14 1989  DIVISION OF OIL & GAS DEPARTMENT OF ENERGY
			Office of M and Gas
-4	1		WV Department of Environmental Protection

WW-4A 1) Date: Revised 6-07 2) Operator's Well Number E-0073 3) API Well No.: 47 -033 03618 STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF APPLICATION TO PLUG AND ABANDON A WELL 5) (a) Coal Operator 4) Surface Owner(s) to be served: Monongahela Power Company (a) Name Name Address c/o First Energy Service Company Address 1310 Fairmont Ave. Fairmont, WV 26554 (b) Name (b) Coal Owner(s) with Declaration Consolidation Coal Company Address Name Address 1000 Consol Energy Drive Canonsburg, PA 15317 (c) Name Name Address Address (c) Coal Lessee with Declaration 6) Inspector Sam Ward PO Box 2327 Name Address Buckhannon, WV 26201 Address 304-389-7583 Telephone TO THE PERSONS NAMED ABOVE: You should have received this Form and the following documents: The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the

well its and the plugging work order; and The plat (surveyor's map) showing the well location on Form WW-6. (2)

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

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



APR 17 2019

RECEIVED

Subscribed and sworm before me this

Notary Public

WV Department of Environmental Protection

My Commission Expires

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 depprivacyoffier@wv.gov.

WW-9 (5/16)

API Number	47 -	033	_03618
Operator's W	ell No	.E-	0073

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

Operator Name_XTO Energy Inc.	OP Code 494487940
Watershed (HUC 10) Lower West Fork River	Quadrangle Shinnston
Do you anticipate using more than 5,000 bbls of water to con	replete the proposed well work? Yes No
Will a pit be used? Yes No	
If so, please describe anticipated pit waste: Fluids	from plugging operations will be put into tanks.
Will a synthetic liner be used in the pit? Yes	No If so, what ml.? NA
Proposed Disposal Method For Treated Pit Wastes:	No If so, what ml.? NA Speriod form W.W. 9 GPR)
	ride a completed form WW-9-GPP) mit Number 4707302523, 4708505151, 4708509721
Off Site Disposal (Supply form Work Carplain Meadowbrook Land	WW-9 for disposal location) dfill SWF#1032, RES Water Recycling -WMGR123SW005 (PA)
Will closed loop systembe used? If so, describe: NA	
Drilling medium anticipated for this well (vertical and horizon	
-If oil based, what type? Synthetic, petroleum, etc.	NA
Additives to be used in drilling medium? NA	
Drill cuttings disposal method? Leave in pit, landfill, remove	ed offsite, etc. Any solid waste from plugging will be taken to landfill.
-If left in pit and plan to solidify what medium will	
-Landfill or offsite name/permit number? Meadowbr	ook Landfill SWF#1032
	d Gas of any load of drill cuttings or associated waste rejected at any led within 24 hours of rejection and the permittee shall also disclose
on April 1, 2016, by the Office of Oil and Gas of the West's provisions of the permit are enforceable by law. Violations of or regulation can lead to enforcement action.  I certify under penalty of law that I have personal application form and all attachments thereto and that, based of the information, I believe that the information is true, accurately	ord conditions of the GENERAL WATER POLLUTION PERMIT issued Virginia Department of Environmental Protection. I understand that the of any term or condition of the general permit and/or other applicable law ally examined and am familiar with the information submitted on this on my inquiry of those individuals immediately responsible for obtaining trate, and complete. I am aware that there are significant permit of any case.
submitting false information, including the possibility of fine	APR 1 7 2019
Commence of the commence of th	AIN 1 / 2013
Company Official Signature	WV Department of
Company Official (Typed Name) Tim Sands  Company Official Title Regulatory Coordinator	WV Department of Environmental Protect
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Company Official (Typed Name) Tim Sands  Company Official Title Regulatory Coordinator	WV Department of Environmental Protect  April , 20_19
Company Official (Typed Name) Tim Sands  Company Official Title Regulatory Coordinator  Subscribed and swom before me this 10th day of the day	WV Department of Environmental Protect  April , 20_19
Company Official (Typed Name) Tim Sands  Company Official Title Regulatory Coordinator  Subscribed and sworn before me this 10th day of My commission expires July 09,	WV Department of Environmental Protect  April , 20 19
Company Official (Typed Name) Tim Sands  Company Official Title Regulatory Coordinator  Subscribed and sworn before me this 10 th day of day of the day of day of the day of day	WV Department of Environmental Protect  April , 20_19_
Company Official (Typed Name) Tim Sands  Company Official Title Regulatory Coordinator  Subscribed and sworn before me this 10 th day of day of the day of	WV Department of Environmental Protect  April , 20 19

Proposed Revegetation Treatment:	Acres Disturbed 1.18	Preveg etation pH	
		H	
Fertilizer type 10-20-20			
Fertilizer amount 1000		lbs/acre	
Mulch 3	Tons	s/acre	
	Se	ed Mixtures	
Temporar	·y	Permanent	
	lbs/acre 40	Seed Type Kentucky Bluegrass	lbs/acre 20
		Redtop	3
		rieutop	3
Maps(s) of road, location, pit and provided). If water from the pit will	be land applied, provide	Birdsfoot Trefoil  ication (unless engineered plans including water volume, include dimensions (L, W,	10 this info have been
Maps(s) of road, location, pit and provided). If water from the pit will (L, W), and area in acres, of the land	be land applied, provide dapplication area.	Birdsfoot Trefoil	10 this info have been
provided). If water from the pit will (L, W), and area in acres, of the land Photocopied section of involved 7.5	be land applied, provide of application area.  Topographic sheet.	Birdsfoot Trefoil	10 this info have been
Maps(s) of road, location, pit and provided). If water from the pit will (L, W), and area in acres, of the land Photocopied section of involved 7.5	be land applied, provide of application area.  Topographic sheet.	Birdsfoot Trefoil	10 this info have been
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WW-9- GPP Rev. 5/16

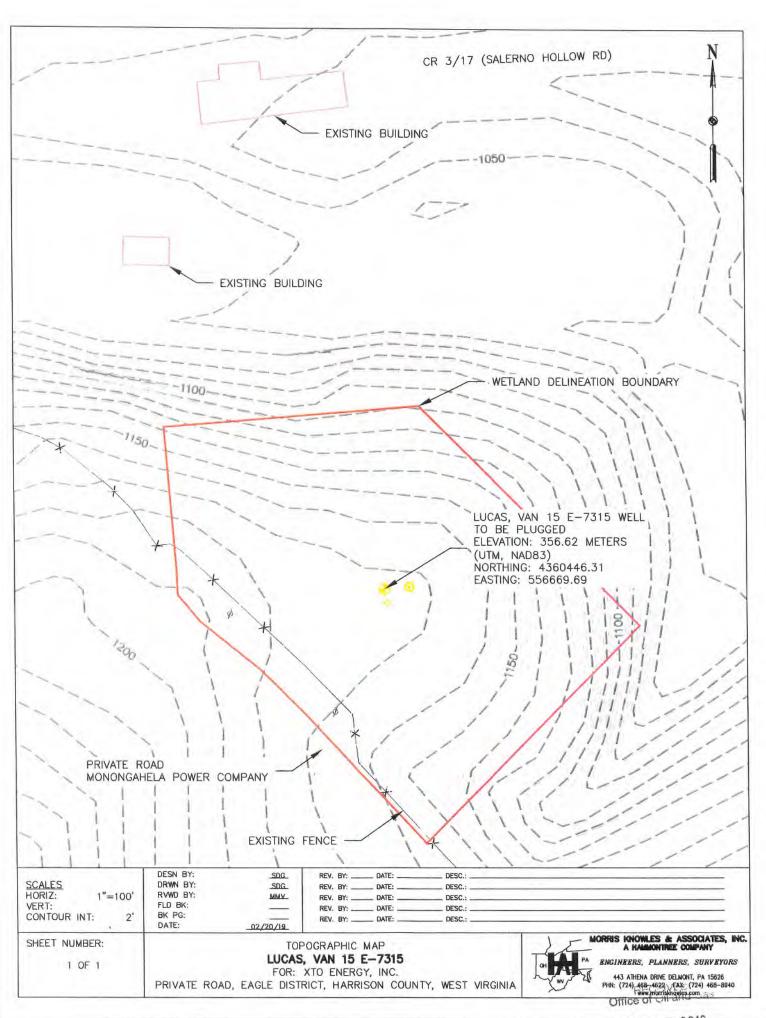
	Page	- (	of	2
API Number 47	- 033	-	03618	
Operator's Well N	10.E- 0	073		

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

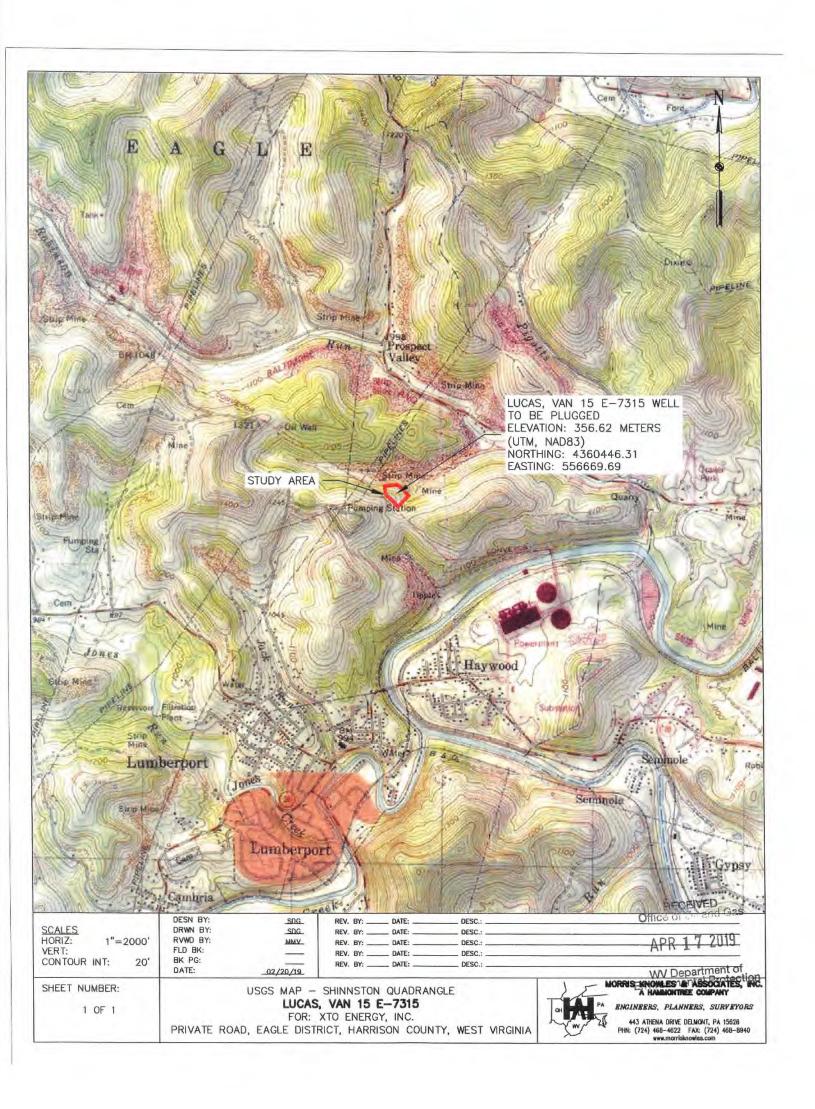
Operator Name: XTO Energy Inc. Quad: Shinnston Watershed (HUC 10): Lower West Fork River Farm Name: Monongahela Power Co. 1. List the procedures used for the treatment and discharge of fluids. Include a list of all operations that could contaminate the groundwater. Fluids will not be discharged. Describe procedures and equipment used to protect groundwater quality from the list of potential contaminant sources above. NA List the closest water body, distance to closest water body, and distance from closest Well Head Protection Area to the discharge area. NA APR 17 2019 WV Department of Environmental Protection Summarize all activities at your facility that are already regulated for groundwater protection. NA

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

WW-9- GPP Rev. 5/16	API Number 47 - Q Operator's Well No	Page of 033
NA		
. Provide a statement that no waste material will be used	for deicing or fill material on the proper	ty.
NA		
7. Describe the groundwater protection instruction and to provide direction on how to prevent groundwater contains	raining to be provided to the employees	s. Job procedures shall
NA		
		RECEIVED Office of Oil and Gas
		APR 1 7 2019
3. Provide provisions and frequency for inspections of all	GPP elements and equipment.	WV Department of Environmental Protection
NA		
Signature: Z. Aas		
Signature: Z. Las  Date: 4/9/19		



APR 17 2019



WW-7 8-30-06

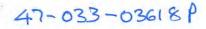


### West Virginia Department of Environmental Protection Office of Oil and Gas

WELL LOCATION FORM: GPS

### WELL NO.: E-0073 API: 47-033-03618 FARM NAME: Lucas, Van RESPONSIBLE PARTY NAME: XTO Energy, Inc. COUNTY: Harrison \_\_\_\_\_\_bistrict: Eagle QUADRANGLE: Shinnston SURFACE OWNER: Monongahela Power Company ROYALTY OWNER: See attached UTM GPS NORTHING: 4360446.31 UTM GPS EASTING: 556669.69 The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit or assigned API number on the above well. The Office of Oil and Gas will not accept GPS coordinates that do not meet RECEIVED Office of Oil and Gas the following requirements: Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: 1. height above mean sea level (MSL) - meters. APR 17 2019 Accuracy to Datum - 3.05 meters WV Department of Environmental Protection Data Collection Method: Survey grade GPS : Post Processed Differential Real-Time Differential Mapping Grade GPS X: Post Processed Differential X Real-Time Differential Letter size copy of the topography map showing the well location. I the undersigned, hereby certify this data is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Office of Oil and Gas.

Signature Regulatory Coordinator 4/8/19
Date





XTO Energy Inc. 480 Industrial Park Road Jane Lew, WV 26378 (304) 884-6000 (304) 884-6809 Fax

WVDEP Office of Oil & Gas 601 57<sup>th</sup> Street, SE Charleston, WV 25304-2345

Re: Application to Plug and Abandon Well: E-0073 API: 47-033-03618 Harrison County, WV

### To Whom It May Concern:

In accordance with Article 22-6-23 of the West Virginia State Code regarding oil and gas operations, please find the attached application for the plugging and abandonment of the subject well. Notices of our intention to plug this wellbore have been sent to the surface owner, coal owners with declarations recorded, and coal operators associated with this well. Copies of the certified mail receipts are attached for your records. If you have any questions or need additional information, please feel free to contact me at 304-884-6000.

Sincerely,

Tim Sands

Regulatory Coordinator

XTO Energy Inc.

PO Box 1008

Jane Lew, WV 26378

RECEIVED
Office of Oil and Gas

APR 17 2019



CERTIFIED MAIL® RECEIPT 8357 Domestic Mail Only For delivery information, visit our website at www.usps.com\*\*. 35 EM MA 503 Certified Mail Fee 2 \$
Extra Services & Fees (cher 0000 Return Receipt (hardcopy)
Return Receipt (electronic) Certified Mail Restricted Del Adult Signature Required \$
Adult Signature Restricted Delivery \$ 2620 STATES PO Total Consolidation Coal Company 7017 Sent 1000 Consol Energy Drive Canonsburg, PA 15317 Stree City, PS F

> RECEIVED Office of Oil and Gas

APR 17 2019

### **SURFACE OWNER WAIVER**

Operator's Well Number

E-0073

### **INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW4-A**

The well operator named on page WW-4A is applying for a permit from the State to plug and abandon a well. (Note: If the surface tract is owned by more than three persons, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22 of the West Virginia Code. Well work permits are valid for 24 months. If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator and the Office of Oil and Gas.

## NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT. WHERE TO FILE COMMENTS AND OBTAIN ADDITIONAL INFORMATION:

Chief, Office of Oil and Gas
Department of Environmental Protection
601 57th St. SE
Charleston, WV 25304
(304) 926-0450

Time Limits and methods for filing comments. The law requires these materials to be served on or before the date the operator files his Application. You have FIVE (5) DAYS after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection" to the planned work described in these materials, then the permit may be issued at any time.

Comments must be in writing. Your comments must include your name, address and telephone number, the well operator's name and well number and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

The Chief has the power to deny or condition a well work permit based on comments on the following grounds:

- 1) The proposed well work will constitute a hazard to the safety of persons.
- 2) The soil erosion and sediment control plan is not adequate or effective;
- 3) Damage would occur to publicly owned lands or resources;
- 4) The proposed well work fails to protect fresh water sources or supplies;
- 5) The applicant has committed a substantial violation of a previous permit or a substantial violation of one or more of the rules promulgated under Chapter 22, and has failed to abate or seek review of the violation...".

I fourth our state that I have no objection to the planned work described in these materials and I have no

If you want a copy of the permit as it is issued or a copy of the order denying the permit, you should request a copy from the Chief.

### **VOLUNTARY STATEMENT OF NO OBJECTION**

I hereby state that I have read the instructions to surface owners and that I have received copies of a Notice and Application For A Permit To Plug And Abandon on Forms WW-4A and WW-4B, and a survey plat.

objection to a permit being issued on those materials.  FOR EXECUTION BY A NATURAL PERSON  ETC.			FOR EXECUTION BY A CORPO		
Q' .	Date	Name			
Signature		$_{ m Its}^{ m By}$		Date	
			Signature	RECEIVED	

APR 17 2019

### INSTRUCTIONS TO COAL OPERATORS OWNERS AND LESSEE

The well operator named on the obverse side of WW-4 (B) is about to abandon the well described in the enclosed materials and will commence the work of plugging and abandoning said well on the date the inspector is notified. Which date shall not be less then five days after the day on which this notice and application so mailed is received, or in due course should be received by the Department of Environmental Protection Office of Oil & Gas.

This notice and application is given to 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 the operator will proceed to plug and fill said well in the manner required by Section 24, Article 6, Chapter 22 of the Code and given in detail on obverse side of this application.

NOTE: If you wish this well to be plugged according to 22-6-24(d) then as per Regulation 35CSR4-13.9 you must complete and return to this office on form OB-16 "Request by Coal Operator, Owner, or Lessee for plugging" prior to the issuance of this plugging permit.

	WAIVER	
has examined this proposed plugging	/ owner/ lessee/ of the coal under this well located back order. The undersigned has no objection to the work proposed to all operator has complied with all applicable requirements of the Wilsons.	be
Date:		
	Ву:	
	ItsRECEIVED Office of Oil and Ga	8

APR 17 2019