



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

Monday, March 15, 2021
WELL WORK PLUGGING PERMIT
Coal Bed Methane Well Plugging

CNX GAS COMPANY LLC
1000 CONSOL ENERGY DR
CANONSBURG, PA 15370

Re: Permit approval for 5D1 CCR
47-049-01664-00-00

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.

A blue ink signature of James A. Martin.

James A. Martin
Chief

Operator's Well Number: 5D1 CCR
Farm Name: GOOCH, RONALD
U.S. WELL NUMBER: 47-049-01664-00-00
Coal Bed Methane Well Plugging
Date Issued: 3/15/2021

I

4704901664P

PERMIT CONDITIONS

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

CONDITIONS

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

03/19/2021

- 1) Date 12-1, 2020
- 2) Operator's
Well No. SD1 CCR
- 3) API Well No. 47-043 - 01664

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

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

- 4) Well Type: Oil ___ / Gas x / Liquid injection ___ / Waste disposal ___ /
(If "Gas, Production x or Underground storage ___) Deep ___ / Shallow x
- 5) Location: Elevation 1214 Watershed Campbell Run
District Mannington County Marion Quadrangle Mannington
- 6) Well Operator CNX Gas Company LLC 7) Designated Agent Anthony Kendziora
Address 1000 Consol Energy Dr. Address 1000 Consol Energy Dr
Canonsburg, PA 15317 Canonsburg PA 15317
- 8) Oil and Gas Inspector to be notified 9) Plugging Contractor
Name Bryan Harris Name Coastal Drilling East LLC
Address P.O. Box 157 Address 70 Gums springs road
Volga, WV 26238 Morgantown WV 26508

10) Work Order: The work order for the manner of plugging this well is as follows:
See attached

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Environmental Protection

Notification must be given to the district oil and gas inspector 24 hours before permitted work can commence.

Work order approved by inspector Bryan Harris Date 12-2-20

Well: Gooch (5D1 CCR)

API#: 47-049-01664

District: Mannington

County: Marion

Elevation: 1214'

Gooch (5D1 CCR) Proposed Plugging and Abandonment Procedure

1. Run in with gauge ring and find TD along with hole size. (Make call to CNX if tagging high to come up with game plan)
2. Once TD has been reached, Run Collar Locator and determine bottom of 5 1/2" casing
3. Once bottom of casing has been located RIH with bridge plug and set in bottom joint of casing
4. Once CIBP has been set load hole with water and Bond Log 5 1/2" casing. If cement top is found to not be at surface notify CNX and prepare to pull uncemented casing.
5. If cement on 5 1/2" is at surface or once uncemented has been pulled prepare to cement well to surface
6. TIH with work string to CIBP and cement well to surface
7. TOOH w/ work string and top off well with cement
8. Install 6"x14' monument (10' below grade, 4' above grade). Monument must contain API#, Well Name, Company Name and Date Plugged

Note: All cement will be Class A. All spacers will be 6% gel

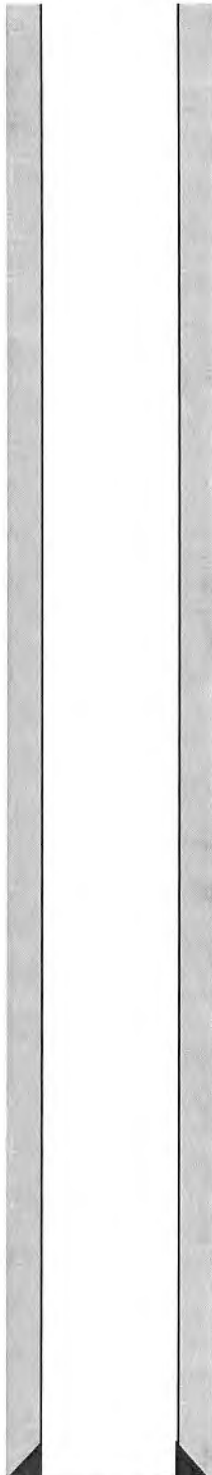
Bryan Ham
12-2-20

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4704901664P

Gooch 5D1 CCR
Mannington District, Marion WV
Original Completion : ?
API #47-049-01664
Elevation = 1214'



5 1/2" Casing @ 1010'
Cemented w/ 220 sks

Pittsburgh Seam

TD @ (1010')

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44-01664

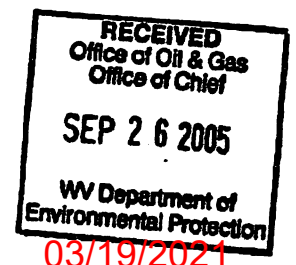
Attachment 13 (b)

Production will be from the Pittsburgh Coal Seam.

When production ceases, the well will be plugged.

The proposed plugging, dependent on hole conditions, will be as follows:

Set a bridge plug at the bottom of the casing and fill the well bore to the surface with cement. (See Attached Drawing)



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STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
COALBED METHANE PERMIT APPLICATION

49, 4, 45-7

- 1) Well Operator: CNX Gas Company LLC 2) Well Name Well No. 5D1 CCR
3) Operator's Well Number 5D1 CCR 4) Elevation 1211.52'
5) Well Type: (a) Oil / or Gas / (b) If Gas: Production / Underground Storage / CBM X / Deep / Shallow X /
6) Proposed Target Formation(s): Pittsburgh Coal Seam Mine Methane
7) Proposed Total Depth: 1010'
8) Approximate Fresh Water Strata Depths: Not Known
9) Approximate Salt Water Depths: Not Known
10) Approximate Coal Seam Depths: Pittsburgh @ 996'
11) Does Land Contain Coal Seams Tributary to Active Mines? Yes X / No
12) (a) Proposed Well Work: Convert an existing ventilation borehole (Well No. 5D1 CCR) to a producing CBM Gob well. (b) If Stimulation Proposed, Describe Means to be Used to Stimulate Well: No Stimulation
13) (a) Does the proposed operation plan to convert an existing well (as defined in W. Va. Code § 22-6-1) or a vertical ventilation hole to a coalbed methane well? Yes X / No / (b) If yes, please attach to this Application a list of all formations from which production is anticipated and a description of any plans to plug any portion of the well. (See Attachment 13b).
14) (a) Will the proposed coalbed methane well be completed in some but not all coal seams for production (except for a gob well or vent hole proposed to be converted to a well)? Yes / No / N/A (b) If yes, please attach to this Application a plan and design for the well which will protect all workable coal seams which will be penetrated by the well.
15) (a) Does the proposed operation include horizontal drilling of a well commenced on the surface? Yes / No X / (b) If yes, please attach to this Application a description of such operations, including both the vertical and horizontal alignment and extent of the well from the surface to total depth.

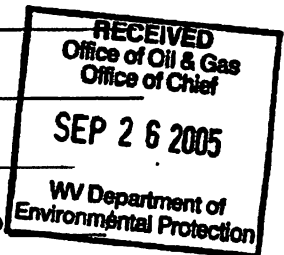
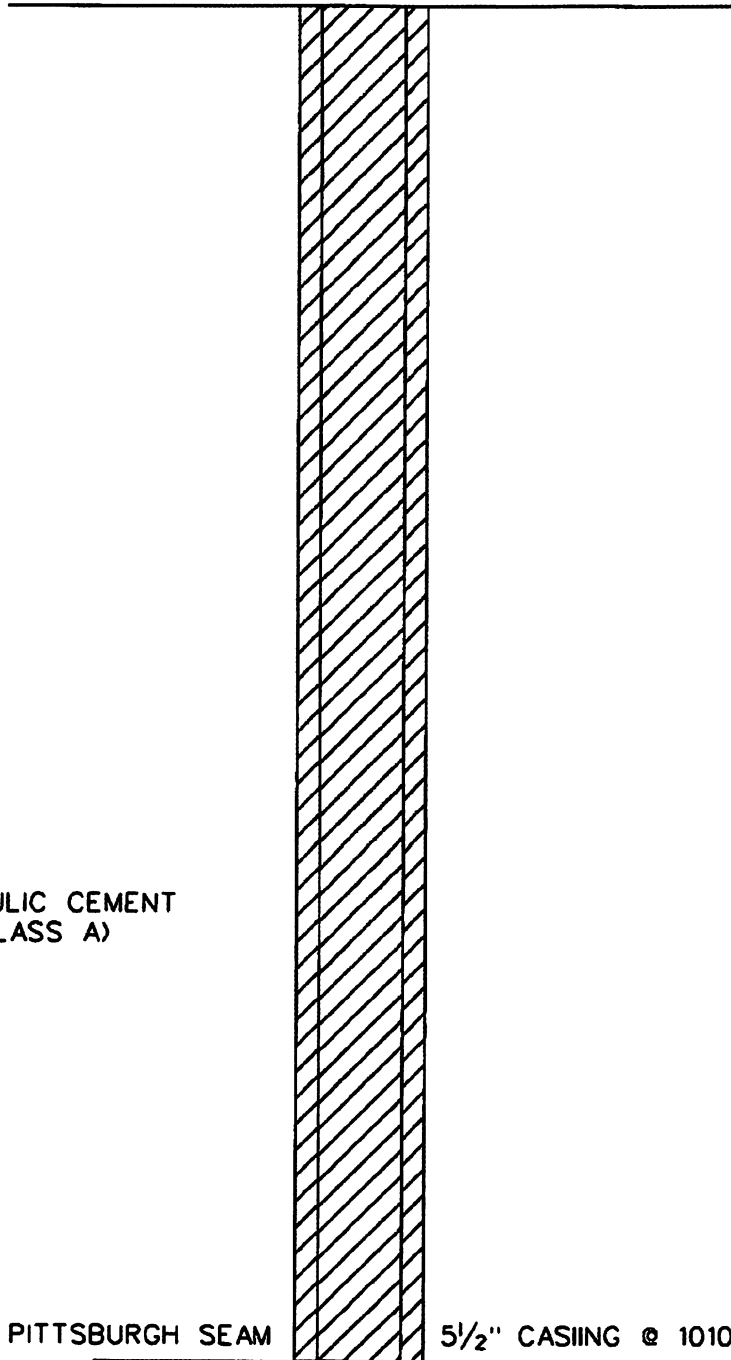


FIGURE 1
CNX GAS COMPANY LLC
CBM-5D1 CCR

44-01664

ORIGINAL CASING/
PROPOSED PLUGGING AND ABANDONMENT SCHEMATIC
SURFACE



HYDRAULIC CEMENT
(CLASS A)

PITTSBURGH SEAM

5 1/2" CASING @ 1010'

6/7/05

Office of C
Office of Chief
SEP 26 2005
WV Department of
Environmental Protection

TOTAL DEPTH - 1010'
NOT TO SCALE

03/19/2021

49-01664C

EXISTING

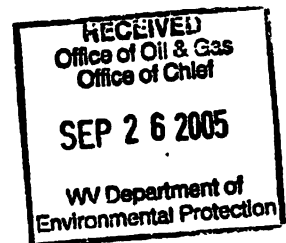
CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS		FOOTAGE INTERVALS		CEMENT	
	Size	Grade	Weight per ft.	For Drilling	Left in Well	Fill-up (cu. ft.)
Conductor	5 1/2"				1010'	220 sks
Fresh Water	5 1/2"				1010'	220 sks
Coal	5 1/2"				1010'	220 sks
Intermediate						
Production	5 1/2"				1010'	220 sks
Tubing						
Liners						

PACKERS:

For Office of Oil and Gas Use Only

Fee(s) paid:
 Well Work Permit
 Reclamation Fund
 WPCP
 Plat
 WW-9
 WW-5B
 Bond _____
 Agent
 (Type)



WR-35
Rev. 8/23/13

State of West Virginia
Department of Environmental Protection - Office of Oil and Gas
Well Operator's Report of Well Work

API 47-049-01664 County Marion District Mannington
Quad Mannington Pad Name Gooch 5D1 CCR Field/Pool Name _____
Farm name Ronald E. Gooch & Lisa A. Gooch Well Number 5D1 CCR
Operator (as registered with the OOG) CNX Gas Company LLC
Address 1000 Consol Energy Drive City Canonsburg State PA Zip 15317

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey
Top hole Northing 4385375.7 Easting 554842.9
Landing Point of Curve Northing _____ Easting _____
Bottom Hole Northing _____ Easting _____

Elevation (ft) 1211 GL Type of Well New Existing Type of Report Interim Final
Permit Type Deviated Horizontal Horizontal 6A Vertical Depth Type Deep Shallow
Type of Operation Convert Deepen Drill Plug Back Redrilling Rework Stimulate
Well Type Brine Disposal CBM Gas Oil Secondary Recovery Solution Mining Storage Other _____
Type of Completion Single Multiple Fluids Produced Brine Gas NGL Oil Other _____
Drilled with Cable Rotary

Drilling Media Surface hole Air Mud Fresh Water Intermediate hole Air Mud Fresh Water Brine
Production hole Air Mud Fresh Water Brine
Mud Type(s) and Additive(s)

Date permit issued _____ Date drilling commenced _____ Date drilling ceased _____
Date completion activities began _____ Date completion activities ceased _____
Verbal plugging (Y/N) _____ Date permission granted _____ Granted by _____

Please note: Operator is required to submit a plugging application within 5 days of verbal permission to plug
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Freshwater depth(s) ft _____ Open mine(s) (Y/N) depths _____
Salt water depth(s) ft _____ Void(s) encountered (Y/N) depths _____
Coal depth(s) ft 996 Cavern(s) encountered (Y/N) depths _____
Is coal being mined in area (Y/N) _____

Reviewed by:
~~03/19/2021~~

WR-35
Rev. 8/23/13

API 47-049 - 01664 Farm name Ronald E. Gooch & Lisa A. Gooch Well number 5D1 CCR

CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade wt/ft	Basket Depth(s)	Did cement circulate (Y/N) * Provide details below*
Conductor							
Surface							
Coal							
Intermediate 1							
Intermediate 2							
Intermediate 3							
Production		5.5	1010				
Tubing							
Packer type and depth set							

Comment Details _____

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft ³ /sks)	Volume (ft ³)	Cement Top (MD)	WOC (hrs)
Conductor							
Surface							
Coal							
Intermediate 1							
Intermediate 2							
Intermediate 3							
Production		220					
Tubing							

Drillers TD (ft) ¹⁰¹⁰ _____ Loggers TD (ft) _____
 Deepest formation penetrated _____ Plug back to (ft) _____
 Plug back procedure _____

Kick off depth (ft) _____

Check all wireline logs run caliper density deviated/directional induction
 neutron resistivity gamma ray temperature sonic

Well cored Yes No Conventional Sidewall Were cuttings collected Yes No

DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING _____

WAS WELL COMPLETED AS SHOT HOLE Yes No DETAILS _____

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WAS WELL COMPLETED OPEN HOLE? Yes No DETAILS _____

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WERE TRACERS USED Yes No TYPE OF TRACER(S) USED _____

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Rev. 8/23/13

API 47- 049 - 01664 Farm name Ronald E. Gooch & Lisa A. Gooch Well number 5D1 CCR

PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)

Please insert additional pages as applicable.

STIMULATION INFORMATION PER STAGE

Complete a separate record for each stimulation stage.

Stage No.	Stimulations Date	Ave Pump Rate (BPM)	Ave Treatment Pressure (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Amount of Proppant (lbs)	Amount of Water (bbls)	Amount of Nitrogen/other (units)
								RECEIVED Office of Oil and Gas
								DEC 10 2020
								WV Department of Environmental Protection

Please insert additional pages as applicable.

WR-35
Rev. 8/23/13

API 47- 049 - 01664 Farm name Ronald E. Gooch & Lisa A. Gooch Well number 5D1 CCR

PRODUCING FORMATION(S)

DEPTHS

Pittsburgh Coal Seam 996 TVD MD

Please insert additional pages as applicable.

GAS TEST Build up Drawdown Open Flow OIL TEST Flow Pump

SHUT-IN PRESSURE Surface psi Bottom Hole psi DURATION OF TEST hrs

OPEN FLOW Gas mcfpd Oil bpd NGL bpd Water bpd
GAS MEASURED BY Estimated Orifice Pilot

LITHOLOGY/ FORMATION	TOP DEPTH IN FT NAME TVD	BOTTOM DEPTH IN FT TVD	TOP DEPTH IN FT MD	BOTTOM DEPTH IN FT MD	DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H ₂ S, ETC)
	0		0		
Pittsburgh Coal	996				

Please insert additional pages as applicable.

Drilling Contractor _____
Address _____ City _____ State _____ Zip _____

Logging Company _____
Address _____ City _____ State _____ Zip _____

Cementing Company _____
Address _____ City _____ State _____ Zip _____

Stimulating Company _____
Address _____ City _____ State _____ Zip _____

Please insert additional pages as applicable.

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Completed by Patrick Taylor Telephone 724-485-4150 WV Department
Signature _____ Title Sr. Engineer Date 8/27/2020 Environmental Protection

WW-4A
Revised 6-07

1) Date: 12-1-2020
2) Operator's Well Number
SD1 CCR

3) API Well No.: 47 - 049 - 01664

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

4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name: Annette M. Speerhas	Name: Consolidated Coal Company
Address: 293 Pleasant View Dr. Midland, PA 15059	Address: 46226 National Road Saint Clairsville, OH 43950
(b) Name: _____	(b) Coal Owner(s) with Declaration
Address: _____	Name: Consolidated Coal Company
(c) Name: _____	Address: 46226 National Road Saint Clairsville, OH 43950
Address: _____	Name: _____
	Address: _____
6) Inspector	(c) Coal Lessee with Declaration
Address: Bryan Harris P.O. Box 157 Volga, WV 26238	Name: _____
Telephone: 304-552-3874	Address: _____

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

- (1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and
- (2) The plat (surveyor's map) showing the well location on Form WW-6.

The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the 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.

Well Operator: CNX Gas Company LLC
 By: Raymond Hoon
 Its: Senior Project Manager
 Address: 1000 Consol Energy Dr
 Canonsburg, PA 15317
 Telephone: 724-485-4000

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Subscribed and sworn before me this 3RD day of December 2020

Vicki L. Smith
My Commission Expires

Commonwealth of Pennsylvania - Notary Seal
 Vicki L. Smith, Notary Public
 Indiana County
 My commission expires June 19, 2022
 Commission number 1155912
 Member, Pennsylvania Association of Notaries

WV Department of Environmental Protection

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.

03/19/2021

7019 1120 0001 5856 2815

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Saint Clairsville, OH 43950

Certified Mail Fee	\$3.55
Extra Services & Fees (check box, add fee as appropriate)	\$0.00
<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	\$2.80
Total Postage and Fees	\$6.35

Sent To
Street address
City, State

Consolidated Coal Company
46226 National Road
Saint Clairsville, OH 43950

PS Form 3849, July 2013

0518
55
Postmark Here
DEC - 3 2020
12/03/2020
15317

4704901664P

7019 1120 0001 5856 2853

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Midland, PA 15059

Certified Mail Fee	\$3.55
Extra Services & Fees (check box, add fee as appropriate)	\$0.00
<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	\$1.20
Total Postage and Fees	\$4.75

Sent To
Street address
City, State

Annette M. Speerhas (5d1)
293 Pleasant View Dr.
Midland, PA 15059

PS Form 3849, July 2013

0518
55
Postmark Here
DEC - 3 2020
12/03/2020
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Environmental Protection

03/19/2021

4704901664

WW-9
(5/16)

API Number 47 - 049 - 01664
Operator's Well No. 5D1 CCR

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS
FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name CNX Gas Company, LLC OP Code 494458046

Watershed (HUC 10) Campbells Run Quadrangle Mannington

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 _____)
- Reuse (at API Number _____)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain Waste Management or Ryan Environmental will use Vacuum trucks and properly dispose of any fluid or waste return

Will closed loop system be used? If so, describe: no

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

-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, removed offsite, etc. na

-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) na

-Landfill or offsite name/permit number? na

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 Raymond Hoon

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Company Official (Typed Name) Raymond Hoon

DEC 10 2020

Company Official Title Senior Project Manager

WV Department of
Environmental Protection

Subscribed and sworn before me this 3RD day of December, 2020

Vicki L. Smith

Commonwealth of Pennsylvania - Notary Seal
Vicki L. Smith, Notary Public
Indiana County
My commission expires June 19, 2022
Commission number 1155912

Notary Public

My commission expires _____

03/19/2021

Member, Pennsylvania Association of Notaries

Proposed Revegetation Treatment: Acres Disturbed 1.35 acres Prevegetation pH

Lime 2-3 Tons/acre or to correct to pH

Fertilizer type 10-20-20 or equivalent

Fertilizer amount 500 lbs/acre

Mulch hay or straw 2 Tons/acre

Seed Mixtures

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
Tall Fescue	40	Tall Fescue	40
Landino Clover	5	Landino Clover	5

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: Bryan Harris

Comments:

Title: Inspector Date: 12-2-20

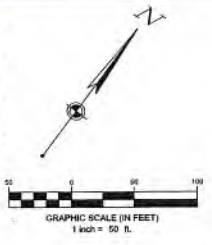
Field Reviewed? () Yes (X) No

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4704901664P



SPEERHAS ANNETTE M
PID: 24-12-0020-0018-0000

SPEERHAS ANNETTE M
PID: 24-12-0020-0018-0000

SPEERHAS ANNETTE M
PID: 24-12-0020-0018-0001

ACCESS LOCATION
LAT: 39.613282 N
LONG: 80.382256 W
(NAD 83)
LAT: 39.613180 N
LONG: 80.382453 W
(NAD 27)

EX. 8" STEEL CULVERT
(DO NOT DISTURB)

EX. UTILITY POLE
(DO NOT DISTURB)

EX. 8" STEEL CULVERT
TO BE TIMBER MATTED
PER FIELD DETERMINATION

EX. SIGN
(DO NOT DISTURB)

EX. GAS LINE
(DO NOT DISTURB)

EX. UTILITY POLE
(DO NOT DISTURB)

MATCHLINE STA 7+00 SEE SHEET 4

SUPER SILT FENCE
65 LF

TOPSOIL STOCKPILE

GuF

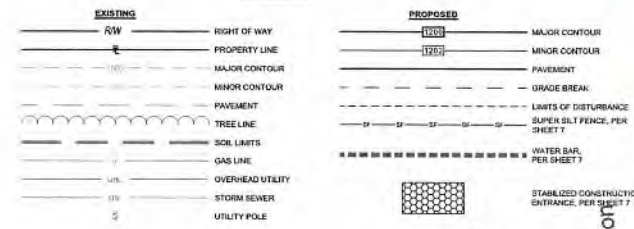
WATER BAR
(TYP.)

LIMITS OF DISTURBANCE
1.10 ACRES

CAUTION: OVERHEAD
UTILITY LINE

CkC

LEGEND



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Table with columns: NO., DATE, REVISION DESCRIPTION



SOIL CLASSIFICATION TABLE

SOIL NAME	PERCENT (%)
GILPIN-CULLEOKA-UPSHUR SILT LOAM (GuF)	100
CLARKSBURG SILT LOAM (CkC)	0

OVERHEAD UTILITY DETAILS

STATION	OVERHEAD UTILITY ELEVATION	PROPOSED GRADE ELEVATION	CLEARANCE TO PROPOSED GRADE	EXISTING GRADE ELEVATION
STA. 2+41	1161.58 ± 3'	1138.63'	22.95 ± 3'	1138.30'

- NOTES:
- CONTRACTOR TO USE EXISTING ACCESS ROAD AND MAINTAIN AS NECESSARY
 - FILTER SOCK TO BE USED IN LIEU OF SUPER SILT FENCE WHERE CONTRACTOR DEEMS NECESSARY

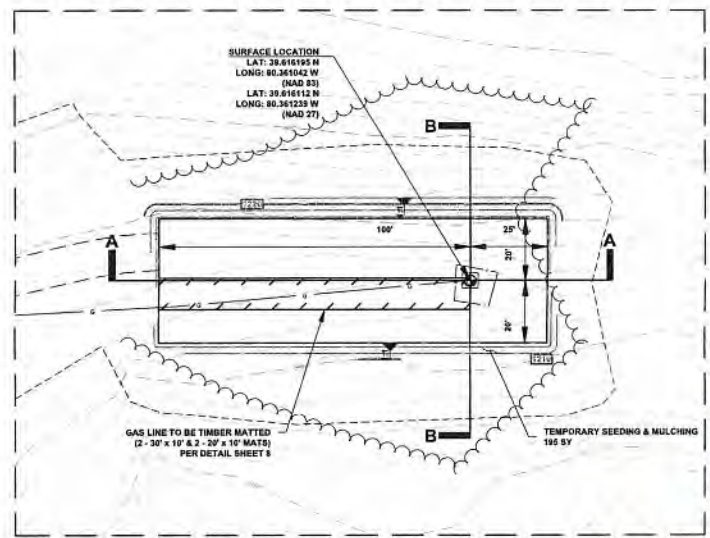
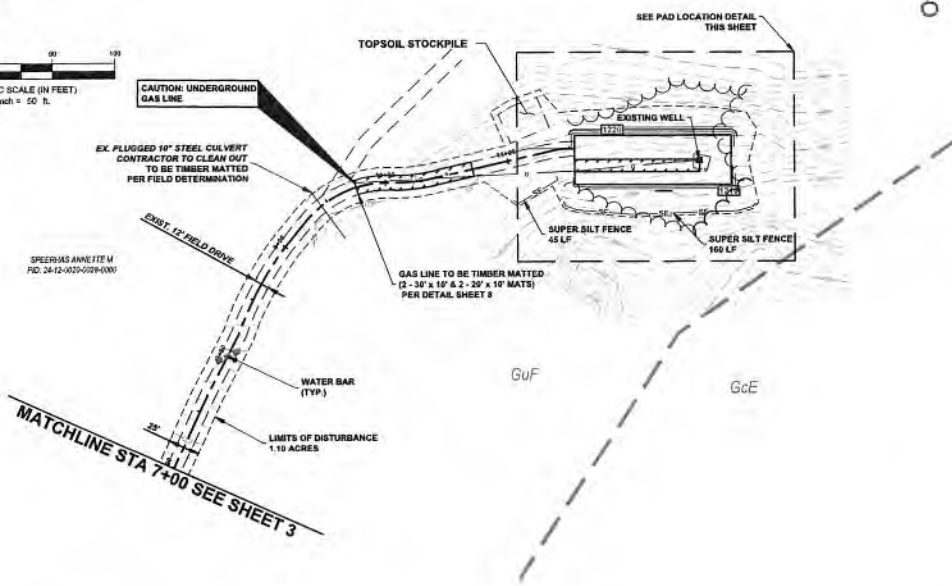


CNX
5D1 WELL PLUGGING
MANNINGTON DISTRICT, MARION COUNTY, WEST VIRGINIA

ACCESS
DRIVE
EROSION &
SEDIMENT
CONTROL
PLAN
ISSUE:
CONST. DOCUMENTS
DATE:
11-24-2020
JOB NO.: 758228-10
DESIGN: DBR
DRAWN: DBR
CHECKED: RAC
SHEET NO.
3

4704901664C

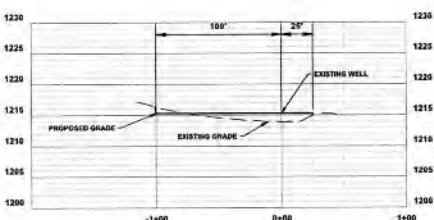
RECEIVED
Office of Oil and Gas
DEC 10 2020
WV Department of
Environmental Protection



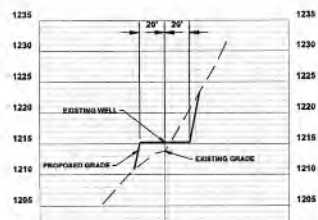
PAD LOCATION DETAIL
Scale: 1" = 20'

LEGEND

EXISTING	PROPOSED
(dashed line)	(solid line)
(dotted line)	(dotted line)
(dashed line with cross-ticks)	(dashed line with cross-ticks)
(wavy line)	(wavy line)
(line with dots)	(line with dots)
(line with 'X' marks)	(line with 'X' marks)
(line with 'S' marks)	(line with 'S' marks)
(line with 'H' marks)	(line with 'H' marks)
(line with 'W' marks)	(line with 'W' marks)
(line with 'SH' marks)	(line with 'SH' marks)
(line with 'WH' marks)	(line with 'WH' marks)
(line with 'S&M' marks)	(line with 'S&M' marks)



A-A SECTION
Scale: 1" = 50' Horiz.; 1" = 10' Vert.



B-B SECTION
Scale: 1" = 50' Horiz.; 1" = 10' Vert.

SOIL CLASSIFICATION TABLE

SOIL NAME	PERCENT (%)
GILPIN-CULLEOKA-UPSHUR SILT LOAM (GuF)	100
GILPIN-CULLEOKA SILT LOAM (GcE)	0

- NOTES:**
- CONTRACTOR TO USE EXISTING ACCESS ROAD AND MAINTAIN AS NECESSARY
 - FILTER SOCK TO BE USED IN LIEU OF SUPER SILT FENCE WHERE CONTRACTOR DEEMS NECESSARY



NO.	DATE	REVISION DESCRIPTION



CNX
5D1 WELL PLUGGING
MANNINGTON DISTRICT, MARION COUNTY, WEST VIRGINIA

EROSION & SEDIMENT CONTROL PLAN

ISSUE	DATE
CONSTR. DOCUMENTS	11.24.2020
JOB NO.:	758228-10
DESIGN:	DBR
DRAWN:	DBR
CHECKED:	RAC
SHEET NO.	4



West Virginia Department of Environmental Protection
Office of Oil and Gas

WELL LOCATION FORM: GPS

API: 4704901664 WELL NO.: 5D1 CCR

FARM NAME: Ronald E. Gooch & Lisa A. Gooch

RESPONSIBLE PARTY NAME: CNX

COUNTY: Marion DISTRICT: Mannington

QUADRANGLE: Mannington

SURFACE OWNER: Speerhas Annette M

ROYALTY OWNER: Speerhas Annette M

UTM GPS NORTHING: 4385355.04

UTM GPS EASTING: 554845.61 GPS ELEVATION: 1213.85

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 the following requirements:

1. Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
2. Accuracy to Datum – 3.05 meters
3. Data Collection Method:

Survey grade GPS : Post Processed Differential _____
Real-Time Differential

Mapping Grade GPS _____ : Post Processed Differential _____
Real-Time Differential _____

4. 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

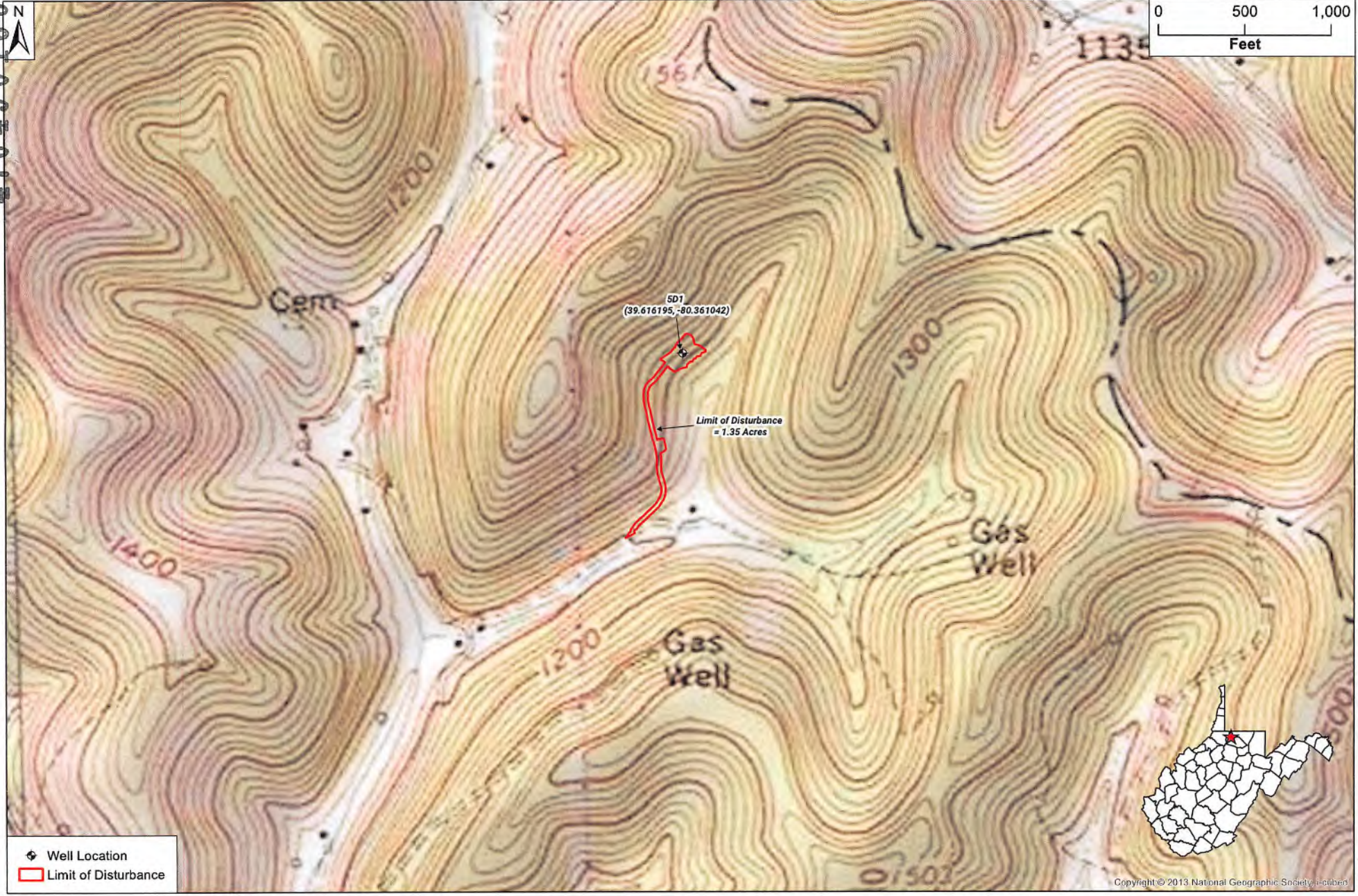
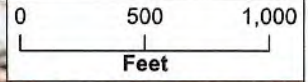
Project manager
Title

12-3-20
Date

03/19/2021

4704901664P

22



- ◆ Well Location
- Limit of Disturbance



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5D1 CCR Well Head
Site Location Topographic Map
Marion County, West Virginia



Date: 11/19/21
By: J. Stascek

11/10/2016

PLUGGING PERMIT CHECKLIST

501

Plugging Permit

- WW-4B
- WW-4B signed by inspector
- WW-4A
- SURFACE OWNER WAIVER or PROOF THAT APPLICATION WAS SENT BY REGISTERED OR CERTIFIED MAIL
- COAL OWNER/COAL OPERATOR/COAL LESSEE WAIVERS or PROOF THAT APPLICATION WAS SENT BY REGISTERED OR CERTIFIED MAIL
- WW-9 PAGE 1 (NOTARIZED)
- WW-9 PAGE 2 with attached drawing of road, location, pit and proposed area for land application
- WW-9 GPP PAGE 1 and 2 if well effluent will be land applied
- RECENT MYLAR PLAT OR WW-7
- WELL RECORDS/COMPLETION REPORT
- TOPOGRAPHIC MAP OF WELL, SHOWING PIT IF PIT IS USED
- MUST HAVE VALID BOND IN OPERATOR'S NAME
- CHECK FOR \$100 IF PIT IS USED

RECEIVED
Office of Oil and Gas
DEC 10 2020
WV Department of
Environmental Protection

03/19/2021