



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

Monday, February 24, 2020
WELL WORK PLUGGING PERMIT
Coal Bed Methane Well Plugging

CNX GAS COMPANY LLC
1000 CONSOL ENERGY DR

CANONSBURG, PA 15370

Re: Permit approval for 4D2
47-049-01622-00-00

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.

James A. Martin
Chief

A handwritten signature in blue ink, appearing to read 'James A. Martin', is written over the printed name and title.

Operator's Well Number: 4D2
Farm Name: CONSOLIDATION COAL CO.
U.S. WELL NUMBER: 47-049-01622-00-00
Coal Bed Methane Well Plugging
Date Issued: 2/24/2020

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 under the terms of that agreement.

1) Date 1/17, 2020
2) Operator's Well No. 402
3) API Well No. 47-049-01622 P

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

2

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 ___ / Shallowx

5) Location: Elevation 1327 Watershed Campbells Run
District Mannington County Marion Quadrangle Hundred

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 Name Sam Ward
Address P.O. Box 2327
Buckhannon, WV 26201
9) Plugging Contractor Name Coastal Drilling east LLC
Address 70 gums Springs Road
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 S. D. Ward Date 2/13/2020

Well: 4D2 (Consolidation Coal)

API#: 47-049-01622

District: Mannington

County: Marion

Elevation: 1327'

4D2 Proposed Plugging and Abandonment Procedure

1. Run in and tag TD (~1087) with wireline or small sandline tools. Confirm TD is inside slotted casing. (Make call to CNX if tagging high to come up with game plan)
2. Once TD has been reached, proceed to fill slotted casing with pea gravel. (1 ton= ~20 Cu. Ft. fill)
3. Once pea gravel has been placed in casing verify top of gravel
4. Once top of pea gravel has been verified TIH with tubing and prepare to cement
5. Place 50' cement plug on top of pea gravel
6. TOOH with cement string
7. Rig up wireline and tag cement plug
8. TOOH and prepare to run Bond Log on 7" casing if Bond Log tool will go to bottom
9. Run Bond Log from top of cement to surface to verify casing is cemented to surface. If cement top is found to not be at surface notify CNX and prepare to pull uncemented casing
10. If cement on 7" is at surface or once uncemented has been pulled prepare to cement well to surface
11. TIH with work string to cement plug and cement well to surface
12. TOOH w/ work string and top off well with cement
13. 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

SOW

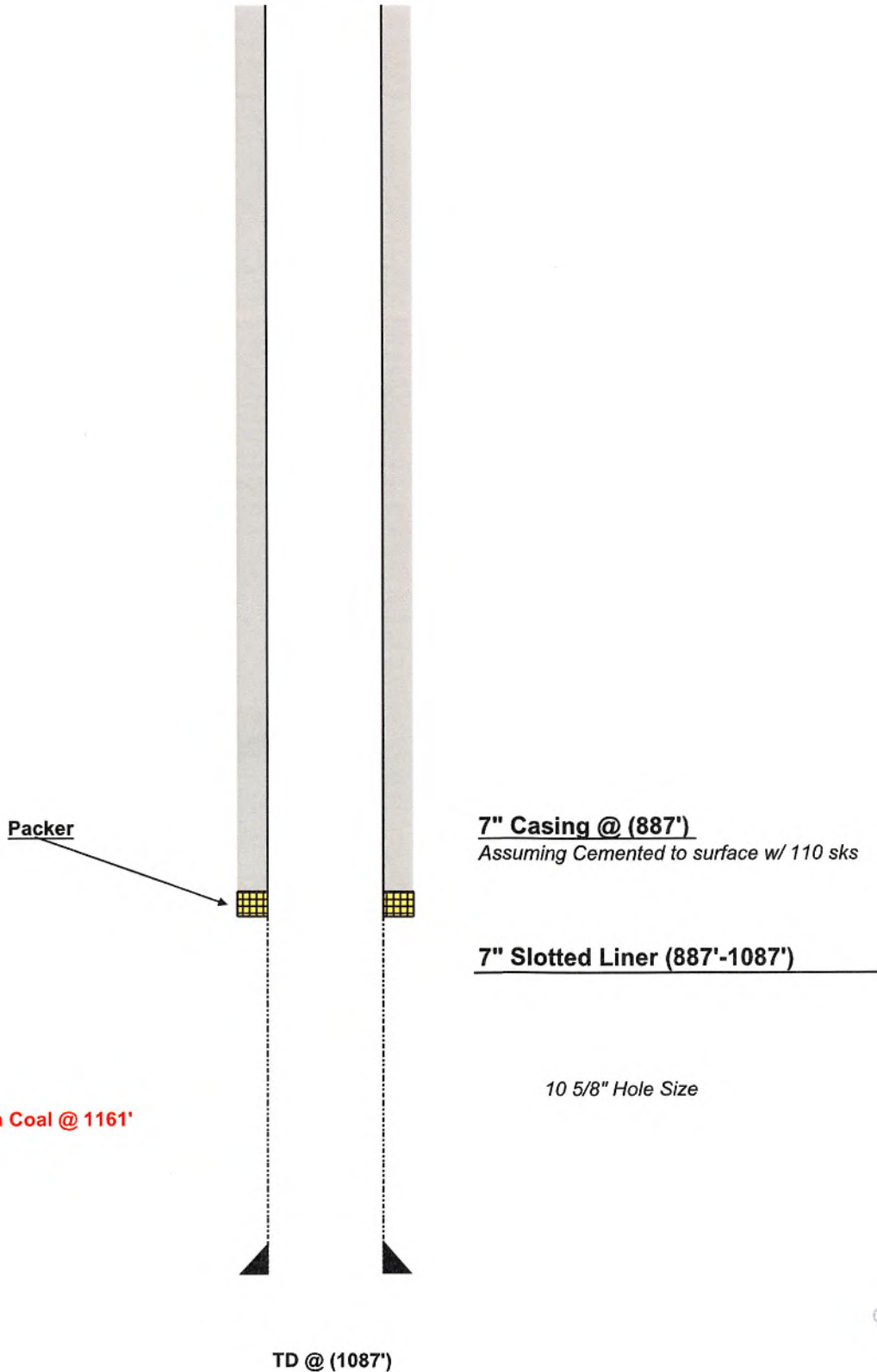
2/17/2020

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Consolidation Coal 4D2
Mannington District, Marion WV
Original Completion : ?
API #47-049-01622
Elevation = 1327'



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

API 47-049-01622 County Marion District Mannington
Quad Hundred Pad Name Consolidation Coal 4D2 Field/Pool Name _____
Farm name Consolidation Coal Co. Well Number 4D2
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 4386438.47 Easting 552512.32
Landing Point of Curve Northing _____ Easting _____
Bottom Hole Northing _____ Easting _____

Elevation (ft) 1327 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

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 1161 Cavern(s) encountered (Y/N) depths _____
Is coal being mined in area (Y/N) _____

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Reviewed by: GDW 2/17/2020
WV Department of Environmental Protection

WR-35
Rev. 8/23/13

API 47-049 - 01622

Farm name Consolidation Coal Co.

Well number 4D2

CASING STRINGS	Hole Size	Casing Size	Depths	New or Used	Grade w/ft	Basket Depth(s)	Did cement circulate (Y/N) * Provide details below*
Conductor							
Surface							
Coal							
Intermediate 1							
Intermediate 2							
Intermediate 3							
Production	10.625	7	1087				
Tubing							
Packer type and depth set		Formation Packer @ 987'					

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		110					
Tubing							

Drillers TD (ft) 1087

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 _____

WAS WELL COMPLETED OPEN HOLE? Yes No DETAILS _____

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

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SOW
2/17/2020

API 47- 049 - 01622 Farm name Consolidation Coal Co. Well number 4D2

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)

Please insert additional pages as applicable.

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API 47- 049 - 01622 Farm name Consolidation Coal Co. Well number 4D2

<u>PRODUCING FORMATION(S)</u>	<u>DEPTHS</u>		
		TVD	MD
Pittsburgh Coal Seam	1161		

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

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.

Completed by Patrick Taylor Telephone 724-485-4150
Signature *Patrick Taylor* Title Sr. Engineer Date 12/11/2019

Submittal of Hydraulic Fracturing Chemical Disclosure Information Attach copy of FRACFOCUS Registry

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 WV Department of
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47-049-01622P

WW-4A
Revised 6-07

1) Date: 1/15/20
2) Operator's Well Number
4D2
3) API Well No.: 47 - 049 - 01622

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

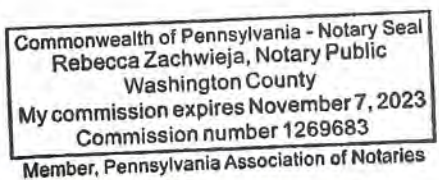
<p>4) Surface Owner(s) to be served:</p> <p>(a) Name <u>David B. Harris & Don D. Legg</u> Address <u>78 Tyler Ln</u> <u>Weirton, WV 26062</u></p> <p>(b) Name <u>CNX Land LLC</u> Address <u>1000 Consol Energy Drive</u> <u>Canonsburg, PA 15317</u></p> <p>(c) Name _____ Address _____</p>	<p>5) (a) Coal Operator</p> <p>Name <u>Consolidated Coal Company</u> Address <u>46226 National Road</u> <u>Saint Clairsville, OH 43950</u></p> <p>(b) Coal Owner(s) with Declaration</p> <p>Name _____ Address _____</p> <p>(c) Coal Lessee with Declaration</p> <p>Name <u>Consolidated Coal Company</u> Address <u>46226 National Road</u> <u>Saint Clairsville, OH 43950</u></p>
<p>6) Inspector <u>Sam Ward</u> Address <u>P.O. Box 2327</u> <u>Buckhannon, WV 26201</u> Telephone <u>304-3987583</u></p>	

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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Commonwealth of Pennsylvania, County of Washington
Subscribed and sworn before me this 12th day of February, 2020
Rebecca Zachwieja Notary Public
My Commission Expires November 7, 2023

FEB 15 2020
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 depprivacyofficer@wv.gov.

WW-70
Rev. 7/01

Affidavit of Personal Service

State Of Pennsylvania
County Of Washington

The undersigned, being first duly sworn, says that the undersigned served a true and complete copy of all sides of--

- (1) Notice on Form WW-2(A) ___ / WW-3(A) ___ / WW-4(A) ___ / WW-5(A) ___ / WW-6(A) ___
- (2) Application on Form WW-2(B) ___ / WW-3(B) ___ / WW-4(B) ___ / WW-5(B) ___ / WW-6(B) ___
- (3) Plat showing the well location on Form WW-6, and
- (4) Construction and Reclamation Plan on Form WW-9 (5) Completed plugging permit packet

--all with respect to operator's Well No. 4704901622 (402) located in Mannington District District, Marion County, West Virginia, upon the person or organization named--

CNX LAND

--by delivering the same in Washington County, State of Pennsylvania on the 24th day of February, 2020 in the manner specified below.

[COMPLETE THE APPROPRIATE SECTION]

For an individual:

Handing it to him ___ / her ___ / or, because he ___ / she ___ / refused to take it when offered it, by leaving it in his ___ / her ___ / presence.

Handing it to a member of his or her family above the age of 16 years named _____ who resides at the usual place of abode of the person to be served, and asking the family member to give it to the person to be served as soon as possible.

For a partnership:

Handing it to _____, a partner of the partnership or, because the partner refused to take it when I handed it over, by leaving it in the presence of the partner.

For a limited partnership:

Handing it to the general partner, named _____, or, because the general partner refused to take it when I tried to hand it over, by leaving it in the presence of the general partner.

For a corporation:

Handing it to the corporation's employee / officer ___ / director ___ / attorney in fact ___ / named JON JONES

Commonwealth of Pennsylvania, County of Washington
Raym Moor
(Signature of person executing service)

Taken, subscribed and sworn before me this 24th day of February, 2020.
My commission expires November 7, 2023.

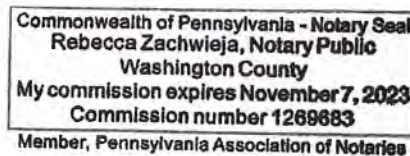
Rebecca Zachwieja
Notary Public

(AFFIX SEAL IF NOTARIZED OUTSIDE THE STATE)

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STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
VOLUNTARY STATEMENT OF NO OBJECTION

Instructions to Persons Named on Page WW-6A

The well operator named on page WW-6A is applying for a permit from the State of West Virginia to conduct oil or gas well work. Well work permits are valid for twenty-four (24) months. Please contact the listed well operator and the Office of Oil and Gas if you do not own any interest in the listed surface tract.

Comment and Waiver Provisions

Pursuant to West Virginia Code § 22-6A-11(a), all persons described in subsection (b), section ten of this article may file written comments with the secretary as to the location or construction of the applicant's proposed well work within thirty days after the application is filed with the secretary.

Pursuant to West Virginia Code § 22-6A-8(b) No permit may be issued less than thirty days after the filing date of the application for any well work except plugging or replugging; and no permit for plugging or replugging may be issued less than five days after the filing date of the application except a permit for plugging or replugging a dry hole: *Provided*, That if the applicant certifies that all persons entitled to notice of the application under the provisions of subsection (b), section ten of this article have been served in person or by certified mail, return receipt requested, with a copy of the well work application, including the erosion and sediment control plan, if required, and the well plat, and further files written statements of no objection by all such persons, the secretary may issue the well work permit at any time.

VOLUNTARY STATEMENT OF NO OBJECTION

I, Michael L. Holiday, hereby state that I have read the Instructions to Persons Named on Page WW-6A and the associated provisions listed above, and that I have received copies of a Notice of Application, an Application for a Well Work Permit on Form WW-6A and attachments consisting of pages one (1) through 16, including the erosion and sediment control plan, if required, and the well plat, all for proposed well work on the tract of land as follows:

State: WEST VIRGINIA UTM NAD 83 Easting: 552512.72
County: MARION Northing: 4386438.47
District: MANNINGTON Public Road Access: CAMPBELL RUN
Quadrangle: HUNDRICK Generally used farm name: 402
Watershed: CAMPBELL RUN

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued on those materials.

*Please check the box that applies

- SURFACE OWNER
- SURFACE OWNER (Road and/or Other Disturbance)
- SURFACE OWNER (Impoundments/Pits)
- COAL OWNER OR LESSEE
- COAL OPERATOR
- WATER PURVEYOR
- OPERATOR OF ANY NATURAL GAS STORAGE FIELD

FOR EXECUTION BY A NATURAL PERSON

Signature: _____
Print Name: _____
Date: _____

FOR EXECUTION BY A CORPORATION, ETC.

Company: CNYLAND LLC
By: [Signature]
Its: ASSISTANT VICE PRESIDENT
Signature: [Signature]
Date: 2/24/2020

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as 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.

FEB 24 2020

47-049-01622P

WW-9
(5/16)

API Number 47 - 049 - 01622
Operator's Well No. 4D2

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 Hundred

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: NA

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

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)

SDW
2/17/2020

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.

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

Company Official (Typed Name) Raymond Hoon

Company Official Title Senior Project Manager

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Subscribed and sworn before me this 12th day of February, 2020

Rebecca Zachwieja

Notary Public

My commission expires November 7, 2023

Commonwealth of Pennsylvania - Notary Seal
Rebecca Zachwieja, Notary Public
Washington County
My commission expires November 7, 2023
Commission number 1269683
Member, Pennsylvania Association of Notaries

Proposed Revegetation Treatment: Acres Disturbed .72 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: [Signature]

Comments: _____

Title: OOG Inspector Date: 2/7/2020

Field Reviewed? () Yes (X) No

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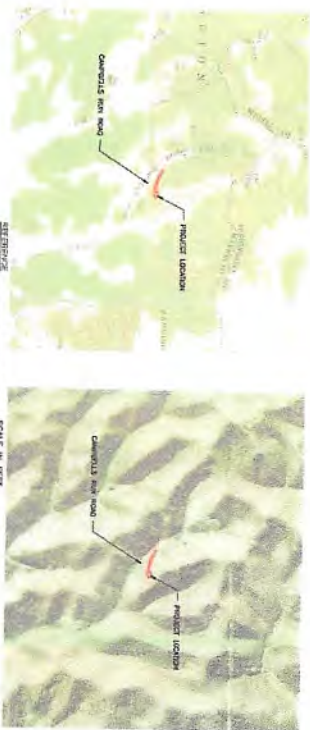
4D2 WELL PLUGGING

MANNINGTON DISTRICT, MARION COUNTY, WEST VIRGINIA

PREPARED FOR: CNX GAS COMPANY, LLC

WELL LOCATION:
4D2: LAT 39.626090
LONG -80.388130

ACCESS ROAD LOCATION:
LAT 39.626614
LONG -80.391121

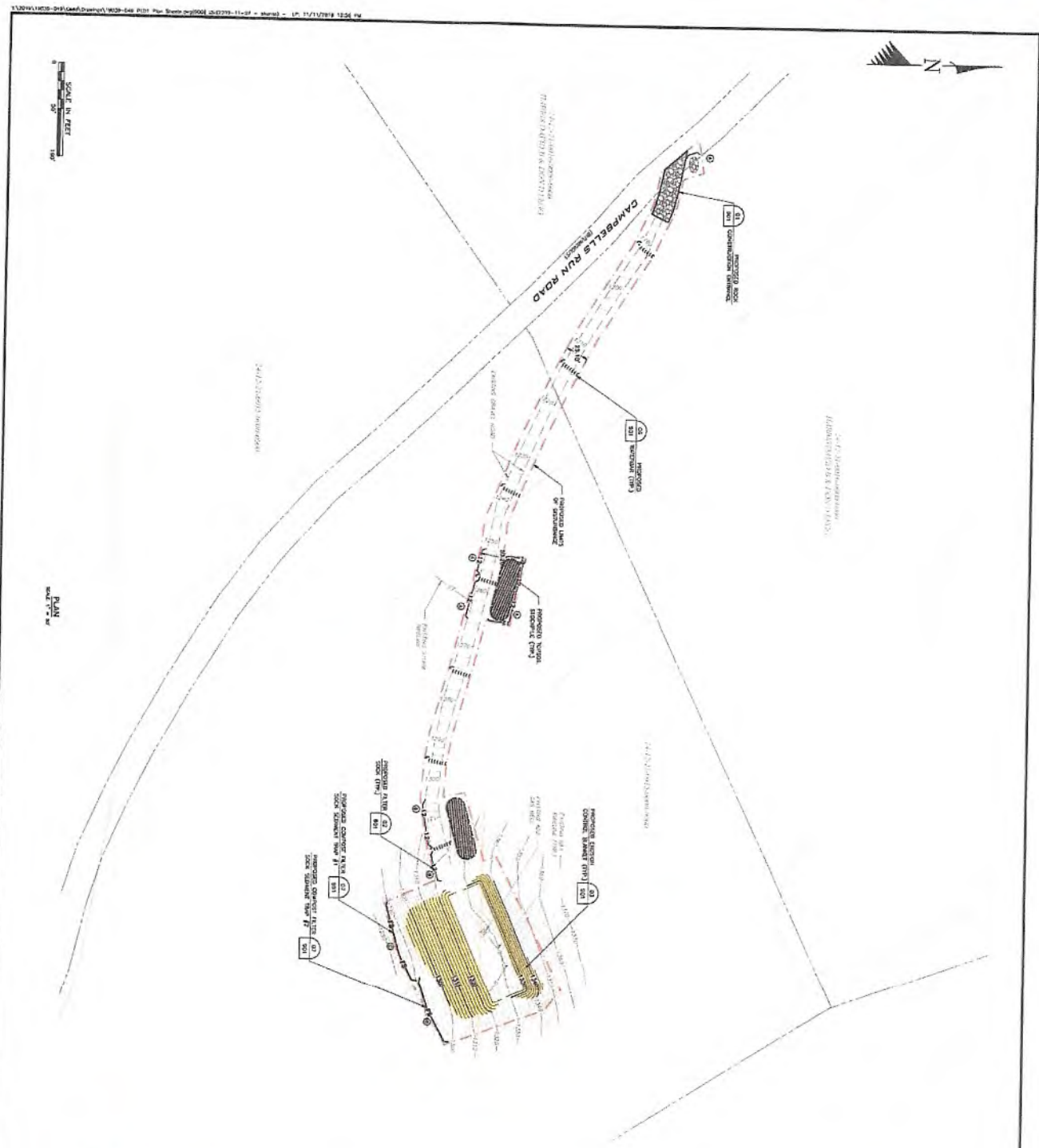


SHEET NUMBER	SHEET TITLE
000	COVER SHEET
001	GENERAL NOTES
002	WELL LOCATION AND PLUGGING DETAILS
003	ACCESS ROAD LOCATION AND PLUGGING DETAILS
004	ENVIRONMENTAL DATA
005	WELL LOG
006	WELL PLUGGING LOG
007	WELL PLUGGING REPORT
008	WELL PLUGGING SUMMARY
009	WELL PLUGGING APPENDIX
010	WELL PLUGGING INDEX

OCTOBER 2019
KEYSTONE CONSULTANTS, LLC

S DW
1/15/2020

REVISIONS NO. DATE BY DESCRIPTION	4D2 WELL PLUGGING MANNINGTON DISTRICT, MARION COUNTY, WEST VIRGINIA	SCALE SHEET 1:1 SURFACE 1:1 PLAN 1:1 ELEVATION 1:1 SECTION 1:1 PLAN 1:1 SECTION 1:1 PLAN 1:1 SECTION 1:1	KEYSTONE CONSULTANTS, LLC 52 EAST MAIN STREET CANONSBURG, PA 15317 PHONE: 724-847-2724 FAX: 724-847-2725 WWW.KEYSTONECONSULTANTS.NET	CNX CNX RESOURCES CORPORATION, LLC 1500 CONSOL ENERGY DRIVE CANONSBURG, PA 15317	REVISIONS
	DRAWING NUMBER 000	COVER SHEET	PROJECT 10000-004	PROJECT 10000-004	REVISIONS



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- LEGEND**
- EXISTING PROPERTY LINE
 - EXISTING FOLK CONTROL
 - EXISTING INTERIOR CONTROL
 - EXISTING ENTRANCE BANKING
 - EXISTING SOIL PILE
 - EXISTING ENTRANCE
 - EXISTING VULNERABLE
 - PROPOSED BANK OF ENTRANCE
 - PROPOSED ROCK CONTROL
 - PROPOSED RECONSTRUCTION CONTROL
 - PROPOSED BANKING
 - PROPOSED CONTROL IN 18" SOCK #
 - PROPOSED 12" CONTROL IN 18" SOCK #
 - PROPOSED CONTROL FILTER SOCK STANDARD 7"
 - PROPOSED ROCK CONSTRUCTION ENTRANCE
 - PROPOSED ENTRANCE CONTROL BANKING

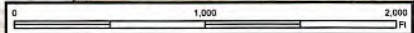
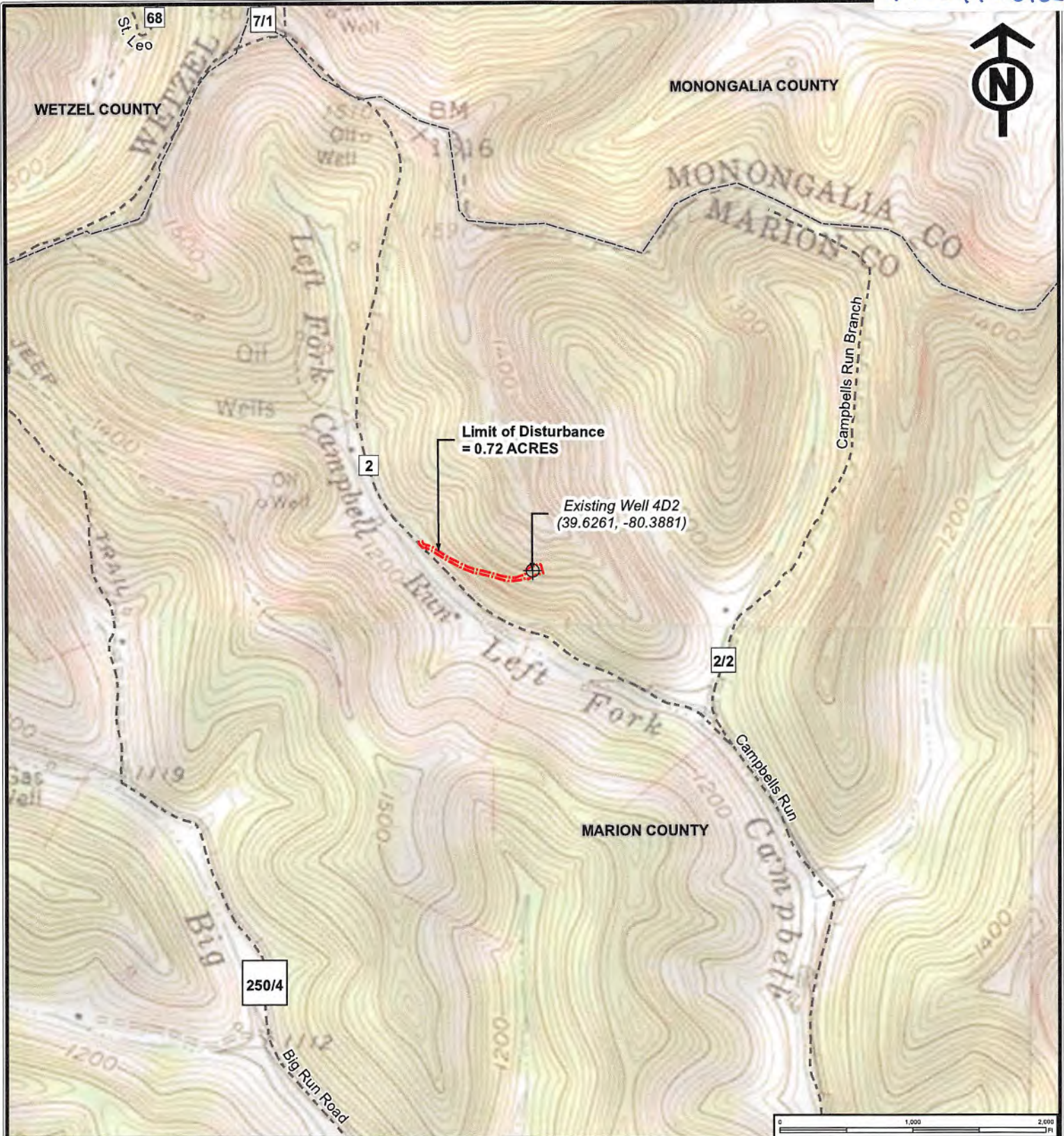
NOTE:

- COMPARED TO THE EXISTING SECTION DRAWING AND MAINLINE AS NECESSARY.
- THE "R" IN THE PLAN IS FOR REFERENCE AND APPLICABLE TO ALL SECTIONS AS NECESSARY.

SOCK #	SIZE	INSTALL
1	12"	1/2"
2	12"	1/2"
3	12"	1/2"
4	12"	1/2"
5	12"	1/2"
6	12"	1/2"
7	12"	1/2"
8	12"	1/2"
9	12"	1/2"
10	12"	1/2"
11	12"	1/2"
12	12"	1/2"
13	12"	1/2"
14	12"	1/2"
15	12"	1/2"
16	12"	1/2"
17	12"	1/2"
18	12"	1/2"
19	12"	1/2"
20	12"	1/2"
21	12"	1/2"
22	12"	1/2"
23	12"	1/2"
24	12"	1/2"
25	12"	1/2"
26	12"	1/2"
27	12"	1/2"
28	12"	1/2"
29	12"	1/2"
30	12"	1/2"
31	12"	1/2"
32	12"	1/2"
33	12"	1/2"
34	12"	1/2"
35	12"	1/2"
36	12"	1/2"
37	12"	1/2"
38	12"	1/2"
39	12"	1/2"
40	12"	1/2"
41	12"	1/2"
42	12"	1/2"
43	12"	1/2"
44	12"	1/2"
45	12"	1/2"
46	12"	1/2"
47	12"	1/2"
48	12"	1/2"
49	12"	1/2"
50	12"	1/2"

SPW
1/15/2020

<p>402 WELL PLUGGING MANFINGTON DISTRICT, MARION COUNTY, WEST VIRGINIA</p> <p>EROSION AND SEDIMENTATION CONTROL PLAN</p>	<p>KEYSTONE CONSULTANTS LLC 32 EAST MAIN STREET CHARLOTTE, PA 15010 PH: 412-279-2113 FAX: 412-279-2128 www.keystoneconsultants.com</p>	<p>CNX</p> <p>CNX RESOURCES CORPORATION, LLC 1000 CONSOL ENERGY DRIVE CAROLSBURG, PA 15017</p>	<p>REVISIONS</p> <table border="1"> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>	NO.	DATE	DESCRIPTION						
NO.	DATE	DESCRIPTION										
<p>DRAWING NUMBER 900</p> <p>SCALE: 1" = 100'</p> <p>DATE: 3/1/20</p>	<p>PROJECT: 402 WELL PLUGGING</p>											



RECEIVED
 Office of Oil and Gas
 FEB 13 2020
 WV Department of
 Environmental Protection

- LEGEND**
- Existing Well
 - Limit of Disturbance
 - Road
 - County Boundary

Prepared By:
KEYSTONE
 CONSULTANTS INC
 www.keystoneconsultants.net 412-278-2100

REV	DESCRIPTION	DATE

DWN BY: AMW APR BY: EAZ DATE: 10/9/2019



**4D2 Well Plugging
 Site Location Topographic Map**
 Marion County, WV

DRAWING NUMBER: 001

SCALE: 1" = 1,000 feet SHEET: 1 OF 2

WW-7
8-30-06



West Virginia Department of Environmental Protection
Office of Oil and Gas
WELL LOCATION FORM: GPS

API: 4704901622 WELL NO.: 4D2

FARM NAME: _____

RESPONSIBLE PARTY NAME: CNX Gas Company

COUNTY: Marion DISTRICT: Mannington

QUADRANGLE: Hundred

SURFACE OWNER: David B. Harris & Don D. Legg, CNX land

ROYALTY OWNER: _____

UTM GPS NORTHING: 4386438.47

UTM GPS EASTING: 552512.32 GPS ELEVATION: 404.58 m / 1327.36 ft

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.

Randy Dean
Signature

PROJECT MANAGER
Title

2-24-2020
Date