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west virginia department of environmental protection

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Office of Oil and Gas  
601 57<sup>th</sup> Street, S.E.  
Charleston, WV 25304  
(304) 926-0450  
fax: (304) 926-0452

Harold D. Ward, Cabinet Secretary  
[www.dep.wv.gov](http://www.dep.wv.gov)

Monday, April 11, 2022  
WELL WORK PLUGGING PERMIT  
Horizontal 6A Plugging

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

Re: Permit approval for MAJ10CHSU  
47-051-02065-00-00

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, Chief, is written over a white background. The signature is stylized and cursive.

James A. Martin  
Chief

Operator's Well Number: MAJ10CHSU  
Farm Name: CNX LAND, LLC  
U.S. WELL NUMBER: 47-051-02065-00-00  
Horizontal 6A Plugging  
Date Issued: 4/11/2022

Promoting a healthy environment.

04/22/2022

## 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.

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### CONDITIONS

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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.

4705102065P

WW-4B  
Rev. 2/01

1) Date 3-28, 2022  
2) Operator's  
Well No. MAJ10CHSU  
3) API Well No. 47-951 - 02068

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 1317 Watershed Wheeling Creek  
District Webster County Marshall Quadrangle Majorsville

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 Gayne J Knitowski Name Conserv  
Address P.O. Box 108 Address 929 Charleston Road  
Gormanian WV 26720 Spencer, WV 25276

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

PLUG => CLASS A CEMENT W/ NO MORE THAN 3% CaCl

GEL SPACER => FRESH WATER W/ A MINIMUM OF 6%  
BENTONITE, BY WRIGHT.

JMM

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

Work order approved by inspector Gayne Knitowski Date 3-31-2022

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MAJ-10 Well Plugging Procedure

- 1) The MAJ-10 wells (A, B, C, and D) have been top-holed down to 13-3/8" casing point. All of the 13-3/8" casings were cemented to surface and NOT drilled out.
- 2) See current wellbore diagrams for casing setting depths and cementing details.
- 3) MIRU plugging rig.
- 4) Check well for pressure and ND well cap/dry hole tree.
- 5) TIH with workstring/tubing to TD (13-3/8" float collar / wiper plug). Document depth on morning report.
- 6) Plug back from TD to surface using ~500'-800' balanced Class A cement plugs.
- 7) Top-off well with cement.
- 8) Skid to next well.
- 9) RDMO plugging rig when operations are finished.
- 10) Install monuments. Monuments to contain API#, well name, company name, and date plugged.

PER WV STATE CODE  
gmm

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**CURRENT WELLBORE DIAGRAM**

MAJ-10C-HSM

47-051-02065

Marshall County, WV

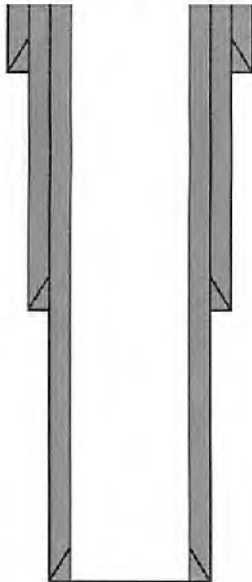
Ground Elevation

1317 GL Elevation

MAJ-10C-HSM SHL

N 518298.07, E 1709078.59 (NAD27)

WELLBORE DIAGRAM



HOLE	CASING	GEOLOGY	MD-GL	TVD-GL	MUD	CEMENT	COMMENTS
36"	30" L/S	Conductor	100	100	AIR	Grout to Surface	Drill with auger Stabilize surface fill/soil
24"	18-5/8" 87.5# J-55 BTC	Washington Coal		352	AIR / FW Mist	BJ 15.6 ppg Class A + 2% CaCl2 + 1/4 pps Flake 50% OH Excess Yield = 1.19 TOC @ surface	Set through fresh water zones  Set through coal zones  Cemented to surface with 1428 sxs (256 bbls), 25 bbls cement returned to surface
		Deepest Fresh Water		482			
		Waynesburg 2 Coal		489			
		Waynesburg 1 Coal		490			
		Sewickley Coal		690			
		Pittsburgh Coal		779			
		<b>FW / Coal Casing</b>	<b>835</b>	<b>835</b>			
17-1/2"	13-3/8" 68.0# L-80HC BTC	Gas Sand		1403	AIR / Soap	Halliburton 16.8 ppg Class H GasStop blend with additives 35% OH Excess Yield = 1.07 TOC @ surface	Set through gas storage interval  Casing to be set below the Fifth Sand  Cemented to surface with 2710 sxs (514 bbls), 98 bbls cement returned to surface
		Salt Sands		1470			
		Big Lime		1860			
		Big Injun Sand		1966			
		Gantz Sand		2172			
		Gordon Sand		2776			
		Fifth Sand		2827			
		<b>Intermediate Casing</b>	<b>3181</b>	<b>3181</b>			

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WR-35  
Rev. 8/23/13State of West Virginia  
Department of Environmental Protection - Office of Oil and Gas  
Well Operator's Report of Well Work

API 47 - 051 - 02065 County MARSHALL District WEBSTER  
 Quad MAJORSVILLE Pad Name MAJ10HSU Field/Pool Name \_\_\_\_\_  
 Farm name MAJORSVILLE Well Number MAJ10CHSU  
 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 518296.07 (NAD 27) Easting 1709078.49 (NAD 27)  
 Landing Point of Curve Northing N/A Easting N/A  
 Bottom Hole Northing 518298.07 (NAD 27) Easting 1709078.49 (NAD 27)

Elevation (ft) 1317 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)

Air drilled top hole ONLY

Deep intermediate hole (12-1/4" hole section) and production hole (8-1/2" hole section) NOT drilled

Date permit issued 12/19/2018 Date drilling commenced 2/2/2019 Date drilling ceased 3/3/2019  
 Date completion activities began N/A Date completion activities ceased N/A  
 Verbal plugging (Y/N) N Date permission granted N/A Granted by N/A

Please note: Operator is required to submit a plugging application within 5 days of verbal permission to plug

Freshwater depth(s) ft 175, 378, 482 (deepest) Open mine(s) (Y/N) depths N  
 Salt water depth(s) ft 1470 Void(s) encountered (Y/N) depths N  
 Coal depth(s) ft 352, 489, 490, 690, 779 Cavern(s) encountered (Y/N) depths N  
 Is coal being mined in area (Y/N) Y

Reviewed by:

04/22/2022

API 47-051 - 02065 Farm name MAJORSVILLE Well number MAJ10CHSU

CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade w/ft	Basket Depth(s)	Did cement circulate (Y/ N) * Provide details below*
Conductor	36"	30"	100	NEW	A-252 99#	N/A	Y - GROUT TO SURFACE
Surface							
Coal	24"	18.625"	835	NEW	J-55 87.5#	N/A	Y - CEMENT TO SURFACE
Intermediate 1	17.5"	13.375"	3181	NEW	L-80HC 68.0#	N/A	Y - CEMENT TO SURFACE
Intermediate 2							
Intermediate 3							
Production							
Tubing							
Packer type and depth set		N/A					

Comment Details 30" conductor set with auger rig and grouted to surface. 18-5/8" casing set through fresh water zones and coal zones; cemented to surface (25 bbls cement returned).  
13-3/8" casing set through gas storage interval (shoe set below Fifth Sand); cemented to surface (98 bbls of cement returned to surface).

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft <sup>3</sup> /sks)	Volume (ft <sup>3</sup> )	Cement Top (MD)	WOC (hrs)
Conductor	TYPE 1					Surface	
Surface							
Coal	CLASS A	1428	15.6	1.19	256 bbls	Surface	8
Intermediate 1	CLASS H	2710	16.8	1.07	514 bbls	Surface	8
Intermediate 2							
Intermediate 3							
Production							
Tubing							

Drillers TD (ft) 3231 Loggers TD (ft) 3231  
Deepest formation penetrated SHALE BELOW FIFTH SAND Plug back to (ft) N/A  
Plug back procedure N/A

Kick off depth (ft) N/A

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 \_\_\_\_\_

30" CONDUCTOR: None  
18.625" COAL: Centralize first joint and then every 3rd joint to surface  
13.375" INTERMEDIATE 1: Centralize first joint and then on every joint to 200' above the Storage Zone (from 13-3/8" shoe to Gas Sand); then centralize every 3rd joint to surface

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 \_\_\_\_\_

WR-35  
Rev. 8/23/13

API 47- 051 - 02065 Farm name MAJORSVILLE Well number MAJ10CHSU

PERFORATION RECORD

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

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)
	N/A							

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Please insert additional pages as applicable.



API 47- 051 - 02065 Farm name MAJORSVILLE Well number MAJ10CHSU

PRODUCING FORMATION(S)	DEPTHS
N/A	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 <sub>2</sub> S, ETC)
UNDIFFERENTIATED SOIL	0	100	0	100	SOIL / CLAY / SANDSTONE / SILTSTONE
UNDIFFER SAND / SILT	100	352	100	352	SANDSTONE / SILTSTONE
WASHINGTON COAL	352	353	352	353	COAL
UNDIFFER SAND / SILT	353	489	353	489	SANDSTONE / SILTSTONE
WAYNESBURG 2 COAL	489	490	489	490	COAL
WAYNESBURG 1 COAL	490	491	490	491	COAL
UNDIFFER SAND / SILT	491	690	491	690	SANDSTONE / SILTSTONE
SEWICKLEY COAL	690	691	690	691	COAL
UNDIFFER SAND / SILT	691	779	691	779	SANDSTONE / SILTSTONE
PITTSBURGH COAL	779	785	779	785	COAL
UNDIFFER SAND / SILT	785	1403	785	1403	SANDSTONE / SILTSTONE / LIMESTONE / RED SHALE
GAS SAND	1403	1470	1403	1470	SANDSTONE / SILTSTONE
SALT SANDS	1470	1860	1470	1860	SANDSTONE / SILTSTONE
BIG LIME	1860	1966	1860	1966	LIMESTONE / SANDSTONE / SILTSTONE

Please insert additional pages as applicable.

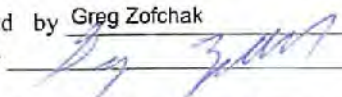
Drilling Contractor Decker Drilling, Inc.  
 Address 11565 OH-676 City Vincent State OH Zip 45784

Logging Company \_\_\_\_\_  
 Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Cementing Company BJ Services  
 Address 11211 Farm-To-Market 2920 City Tomball State TX Zip 77375

Stimulating Company N/A  
 Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Please insert additional pages as applicable.

Completed by Greg Zofchak Telephone 724-485-3032  
 Signature  Title Drilling Engineer Date 3/31/2022

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

04/22/2022

API: 47-051-02065

FARM NAME: CNX GAS COMPANY LLC

WELL NUMBER: MAJ10CHSU

CONTINUED FROM WR-35

LITHOLOGY / FORMATION	TOP DEPTH IN FT 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, H2S, ETC)
BIG INJUN	1966	2172	1966	2172	SANDSTONE / SILTSTONE / LIMESTONE
GANTZ	2172	2776	2172	2776	SANDSTONE / SILTSTONE
GORDON	2776	2827	2776	2827	SANDSTONE / SILTSTONE
FIFTH	2827	3038	2827	3038	SANDSTONE / SILTSTONE
UNDIFFERENTIATED SHALE	3038	3231	3038	3231	GRAY SHALE / SILTSTONE

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Company: Baker Hughes, a GE Company  
 Customer/Operator: CNX  
 Date Range: 2/19/2019 - 2/22/2019  
 Rig Name: Patterson 582  
 Rig Elev/Dat: 29.00 (ft) / GL  
 Well: MAJ-10C-HSU  
 Wellbore: MAJ-10C-HSU

TAC: -7.93 (deg)  
 Ver.Sec.Az: 145.00 (deg)

Tie/ Proj	Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	Temperature (degF)	True Vertical Depth (ft)	Vertical Section (ft)
	0.00	0.00	827.53			
	29.00	0.00	827.53		29.00	0.00
	67.00	0.20	827.53		67.00	-0.07
	117.00	0.08	124.68		117.00	-0.12
	167.00	0.11	269.20		167.00	-0.11
	217.00	0.10	292.31		217.00	-0.18
	267.00	0.11	171.97		267.00	-0.17
	317.00	0.18	119.66		317.00	-0.06
	367.00	0.16	800.29		367.00	-0.05
	417.00	0.16	125.91		417.00	-0.05
	467.00	0.19	188.95		467.00	0.08
	517.00	0.20	159.72		517.00	0.22
	567.00	0.21	194.92		567.00	0.36
	617.00	0.17	00.76		617.00	0.47
	667.00	0.45	201.45		667.00	0.62
	717.00	0.50	159.15		717.00	0.94
	760.00	0.18	61.64		760.00	1.13
	812.00	0.10	22.51	45.50	812.00	1.08
	1007.00	0.21	854.23	45.50	1007.00	0.89
	1102.00	0.07	348.39	41.00	1101.99	0.68
	1196.00	0.26	279.96	45.50	1195.99	0.48
	1291.00	0.13	809.40	47.75	1290.99	0.22
	1386.00	0.10	258.77	47.75	1385.99	0.09
	1575.00	0.10	229.41	50.00	1574.99	0.04
	1670.00	0.03	286.52	52.25	1669.99	0.02
	1765.00	0.19	291.74	52.25	1764.99	-0.13
	1859.00	0.13	821.71	52.25	1858.99	-0.36
	1954.00	0.26	835.83	52.25	1953.99	-0.68
	2049.00	0.26	837.97	52.25	2048.99	-1.10
	2144.00	0.40	830.38	54.50	2143.99	-1.64
	2238.00	0.33	806.39	54.50	2237.99	-2.23
	2333.00	0.54	815.11	54.50	2332.98	-2.93
	2429.00	0.44	805.19	56.75	2428.98	-3.72
	2523.00	0.60	806.88	54.50	2522.98	-4.53
	2713.00	0.52	805.39	54.50	2712.97	-6.29
	2808.00	0.50	809.72	54.50	2807.96	-7.09
	2901.00	0.45	812.31	54.50	2900.96	-7.84
	2996.00	0.40	805.25	56.75	2995.96	-8.52
	3091.00	0.42	802.12	56.75	3090.96	-9.15
	3185.00	0.53	816.45	56.75	3184.95	-9.90
	3217.00	0.47	296.50	56.75	3216.95	-10.16

WW-4A  
Revised 6-07

1) Date: 3-28-2022  
2) Operator's Well Number  
MAJ10CHSU  
3) API Well No.: 47 - 051 - 02065

**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 <u>CNX Land</u>	Name <u>Consol Pennsylvania Coal Company and CNX Thermal Holdings LLC</u>
Address <u>1000 Consol Energy Drive</u>	Address <u>1000 Consol Energy Drive</u>
<u>Canonsburg PA 15317</u>	<u>Canonsburg PA 15317</u>
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>Consol Pennsylvania Coal Company and CNX Thermal Holdings LLC</u>
(c) Name _____	Address <u>1000 Consol Energy Drive</u>
Address _____	<u>Canonsburg PA 15317</u>
6) Inspector <u>Gayne J Knilowski</u>	(c) Coal Lessee with Declaration
Address <u>P.O. Box 109</u>	Name <u>N/A</u>
<u>Gormanian WV 26720</u>	Address _____
Telephone <u>304-546-8171</u>	_____

**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.

Commonwealth of Pennsylvania - Notary Seal  
 Todd Fleming, Notary Public  
 Washington County  
 My commission expires September 23, 2024  
 Commission number 1244937  
 Member, Pennsylvania Association of Notaries

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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 APR 4 2022  
 WV Department of  
 Environmental Protection

Subscribed and sworn before me this 1 day of April 2022  
Todd Fleming Notary Public  
 My Commission Expires September 23, 2024

**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](mailto:depprivacyofficer@wv.gov).

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Extra Services & Fees (check box, add fee as appropriate)  
 Return Receipt (hardcopy) \$0.00  
 Return Receipt (electronic) \$0.00  
 Certified Mail Restricted Delivery \$0.00  
 Adult Signature Required \$0.00  
 Adult Signature Restricted Delivery \$0.00

Postage \$5.16

Total Postage and Fees \$8.91

Sent To **CNX LAND**  
 Street and Apt. No., or PO Box No. **1000 CONSOL ENERGY DRIVE**  
 City, State, ZIP+4® **CANONSBURG PA 15317**

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

7015 1250 0002 1117 4016

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Certified Mail Fee \$3.75

Extra Services & Fees (check box, add fee as appropriate)  
 Return Receipt (hardcopy) \$0.00  
 Return Receipt (electronic) \$0.00  
 Certified Mail Restricted Delivery \$0.00  
 Adult Signature Required \$0.00  
 Adult Signature Restricted Delivery \$0.00

Postage \$5.16

Total Postage and Fees \$8.91

Sent To **Consol PA Capco + CNX Thermal Holding**  
 Street and Apt. No., or PO Box No. **1000 CONSOL ENERGY DRIVE**  
 City, State, ZIP+4® **CANONSBURG PA 15317**

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

7015 1250 0002 1117 4023

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APR 4 2022  
WV Department of  
Environmental Protection

04/22/2022



Michael L. Holiday  
Land Manager - Surface  
Work: 724-485-3208  
Email: Michael.Holiday@cnx.com

CNX Center  
1000 CONSOL Energy Drive  
Canonsburg, PA 15317-6506  
724-485-4000

March 29, 2022

Department of Environmental Protection  
Office of Oil and Gas  
601 57th Street, SE  
Charleston, WV 25304-2345

RE: MAJ 10  
API# 47-051-02068, 47-051-02070, 47-051-02065, 47-051-02069  
Restoration Waiver

Ladies and Gentlemen:

I Michael L. Holiday, Assistant Vice President of CNX LAND LLC, the undersigned landowner of the land on which the above mentioned well was located, consent and approve of waiving reclamation requirements and that the site may remain after plugging operations.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Michael L. Holiday'.

Michael L. Holiday  
Assistant Vice President

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WV Department of  
Environmental Protection

04/22/2022

WW-9  
(5/16)

4705102065 P

API Number 47 - 051 - 02065

Operator's Well No. MAJ10CHSU

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) Wheeling Creek Quadrangle Majorsville

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

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Environmental Protection

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

Subscribed and sworn before me this 1 day of April, 2022

Todd Fleming Notary Public

My commission expires September 23, 2024

Commonwealth of Pennsylvania - Notary Seal  
Todd Fleming, Notary Public  
Washington County  
My commission expires September 23, 2024  
Commission Number 124487  
Member, Pennsylvania Association of Notaries

Proposed Revegetation Treatment: Acres Disturbed N/A no reclaim see attached Prevegetation pH \_\_\_\_\_

Lime \_\_\_\_\_ Tons/acre or to correct to pH \_\_\_\_\_

Fertilizer type \_\_\_\_\_

Fertilizer amount \_\_\_\_\_ lbs/acre

Mulch \_\_\_\_\_ Tons/acre

Seed Mixtures

**Temporary**

**Permanent**

Seed Type                      lbs/acre

Seed Type                      lbs/acre

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**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: Gayne Knitowski Digitally signed by Gayne Knitowski Date: 2022.03.31 06:55:14 -0400

Comments: \_\_\_\_\_

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APR 4 2022

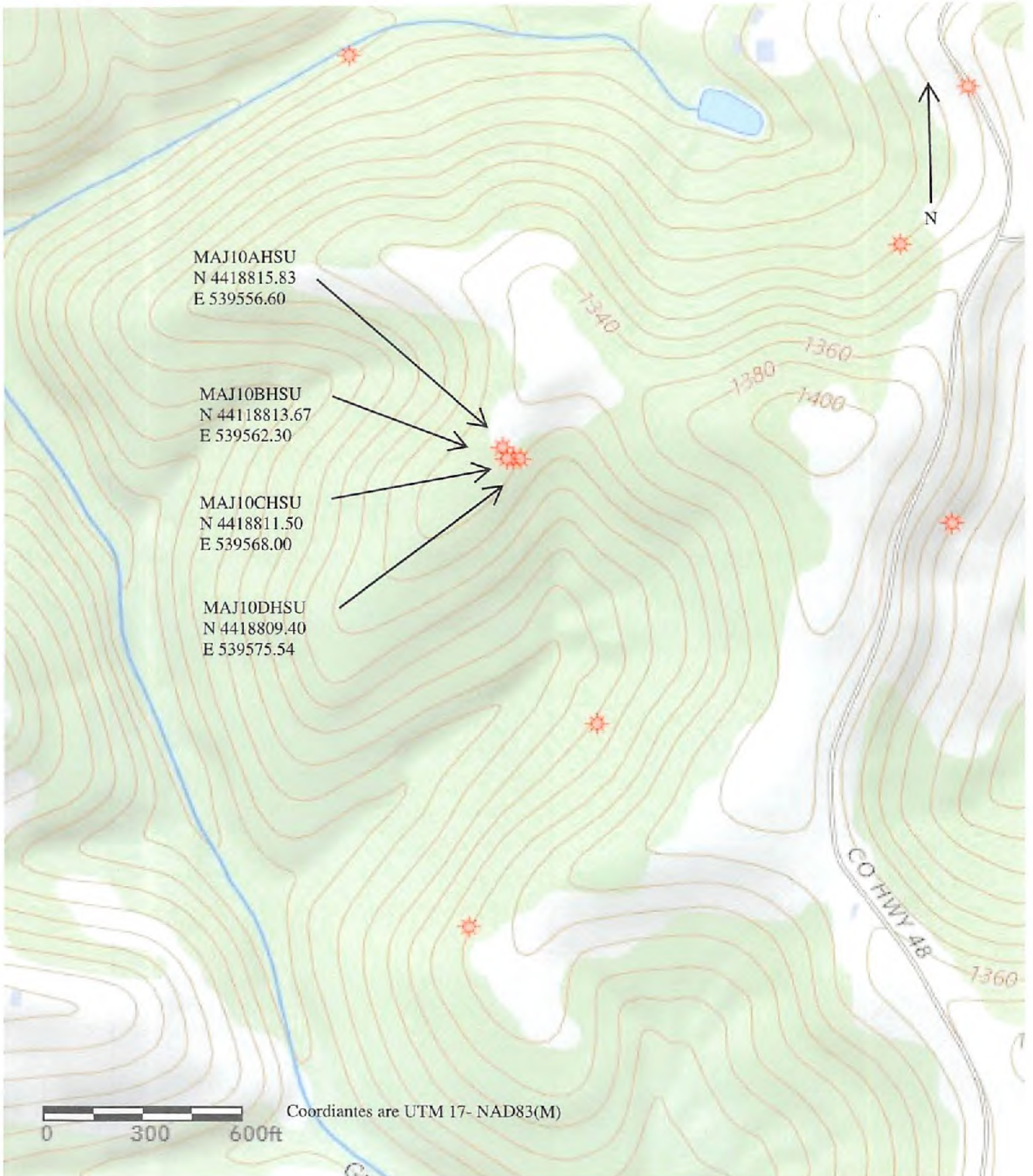
WV Department of  
Environmental Protection

Title: Inspector

Date: 3-31-2022

Field Reviewed?     Yes                       No





WW-7  
8-30-06



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

API: 4705102065 WELL NO.: MAJ10CHSU  
 FARM NAME: CNX Gas Company  
 RESPONSIBLE PARTY NAME: CNX Gas Company  
 COUNTY: Marshall DISTRICT: Webster  
 QUADRANGLE: Majorsville  
 SURFACE OWNER: CNX Gas Company  
 ROYALTY OWNER: CNX Gas Company  
 UTM GPS NORTHING: 4418811.50  
 UTM GPS EASTING: 539568.00 GPS ELEVATION: 1317

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]*  
Signature

Project MANAGER  
Title

4-1-22  
Date

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WV Department of  
Environmental Protection

04/22/2022

BHL is located on topo map 5,516 feet south of Latitude: 39° 55' 00"  
 SHL is located on topo map 14,519 feet south of Latitude: 39° 57' 30"



	SURFACE OWNER	LESSOR	DIST-TM/PAR
1	CNX LAND, LLC	CNX GAS COMPANY LLC (FEE)	P/O 15-11/12
2	CNX LAND, LLC	CNX GAS COMPANY LLC (FEE)	15-11/11
3	ROGER D. MCCrackEN ET AL	AUGUST W. CHAMBERS ET AL	P/O 15-11/21
4	ROGER D. MCCrackEN ET AL	CHESTNUT HOLDINGS INC	
		AUGUST W. CHAMBERS ET AL	P/O 15-11/21
5	MICHAEL S. RIGGLE	MICHAEL S. RIGGLE	15-11/19
6	MICHAEL S. RIGGLE	RALPH CURTIS RIGGLE	15-11/20
7	CNX LAND, LLC	JACKIE L. FRYE	P/O 15-11/13
8	CNX LAND, LLC	CNX GAS COMPANY LLC (FEE)	P/O 15-11/12
9	DAVID L. KINNEY, ET AL	DAVID L. KINNEY & RAYMOND P. KINNEY	P/O 15-11/9
10	RODNEY J. & DEBRA J. KINNEY	DAN WILLIAMSON	15-11/8
		THOMAS ALBERS	
		JOHN JOSEPH ALBERS, JR.	
		JAMES WILLIAMSON	
		BONNIE MIKE	
		CONNIE WRIGHT	
		JADE WILLIAMSON	
		GINGER WILLIAMSON SCOTT	
		SAMUEL & SHEILA COTTRELL	
		LEON & ELLA KINNEY	
		ROBERT S. & JODI NEELY	
		RODNEY J. & DEBRA J. KINNEY	
		MICHAEL ALBERS	
		MICHAEL ELLIOT	
		RYAN FOLLWEILER (FKA RYAN ELLIOT)	
11	RODNEY J. KINNEY	COLUMBIA GAS TRANSMISSION	15-11/15
	CNX LAND, LLC		P/O 15-11/13
	JOSEPH SCARLATA TRUSTEE		P/O 15-11/14
	BRADLEY S. SCHERICH		P/O 15-12/17
12	JOSEPH SCARLATA TRUSTEE	COLUMBIA GAS TRANSMISSION	P/O 15-11/14
13	CNX LAND, LLC	EDWARD G. STROPE, ET AL	P/O 15-11/16
14	DRY RIDGE COMMUNITY ASSC'N	DRY RIDGE COMMUNITY ASSOCIATION, A WEST VIRGINIA NONPROFIT CORPORATION	15-11/16.1
15	CNX LAND, LLC	COLUMBIA GAS TRANSMISSION	15-11/17
	CNX LAND, LLC		P/O 15-11/13
	CNX LAND, LLC		P/O 15-11/16
	CONSOL PENNSYLVANIA COAL CO.		15-12/18
	BRADLEY S. SCHERICH		P/O 15-12/17
16	CNX LAND, LLC	RICHARD E. SCHERICH	15-11/18
		JANET M. SCHERICH	
		SCOTT DOUGLAS REED	
		RICHARD P. AND MARY LEE BARTO	
17	CNX LAND, LLC	EUGENE SCHERICH	15-12/20
18	GLEN AND MARLENE SPITZNOGLE PAUL & MALLORY HEWITT	EUGENE SCHERICH	15-12/16 15-12/16.1
19	HELEN L. DOMAN	HELEN L. DOMAN	15-12/22
20	HELEN L. DOMAN	HELEN L. DOMAN	15-12/21
21	HELEN L. DOMAN	HELEN L. DOMAN	22-3/106
22	GAHC L.P.	EUGENE SCHERICH	P/O 22-3/105
27			P/O 22-3/105A
23	CONSOL PENNSYLVANIA COAL CO.	B.L. AND DORA FRYE	P/O 22-3/107
	JOHN E. SYNDER ET UX		P/O 22-3/107A
24	HELEN L. DOMAN	HELEN L. DOMAN	3-5/10
25	WILLIAM SNYDER ET AL	W. COLLIER AND SARAH H. BALDWIN	22-3/115B
26	JOHN E. SNYDER ET UX		22-3/115A
28	GAHC L.P.	DELMAR W. & BLANCHE SCHERICH	22-3/102
29	GAHC L.P.	TOM SABELLA AKA THOMAS J. SABELLA AND BETH ANN SABELLA	22-3/104
30	GAHC L.P.	S. ELSWORTH AND LUCILLE ALLISON	22-3/100

4705102065P



BHL is located on topo map 3,828 feet west of Longitude: 80° 30' 00"  
 SHL is located on topo map 10,379 feet west of Longitude: 80° 30' 00"

SURFACE HOLE LOCATION (SHL)  
 UTM 17-NAD83(M)  
 N:4418811.50  
 E:539568.00  
 NAD83, WV NORTH  
 N:518335.396  
 E:1677643.755  
 LAT/LON-NAD83  
 LAT:39°55'06.514"  
 LON:80°32'13.224"

APPROX. LANDING POINT  
 UTM 17-NAD83(M)  
 N:4418926.99  
 E:540133.73  
 NAD83, WV NORTH  
 N:518683.282  
 E:1679506.543  
 LAT/LON-NAD83  
 LAT:39°55'10.163"  
 LON:80°31'49.368"

BOTTOM HOLE LOCATION (BHL)  
 UTM 17-NAD83(M)  
 N:4416940.69  
 E:541574.67  
 NAD83, WV NORTH  
 N:512086.209  
 E:1684125.882  
 LAT/LON-NAD83  
 LAT:39°54'05.488  
 LON:80°30'49.127"

**Blue Mountain**  
 10125 MASON DIXON HIGHWAY  
 BURTON, WV 26562  
 PHONE: (304) 662-6486



SEE PAGE 2 DUE TO UNIT BOUNDARY SIZE

FILE #: MAJ10CHSU  
 DRAWING #: MAJ10CHSU  
 SCALE: 1" = 2000'  
 MINIMUM DEGREE OF ACCURACY: 1/2500  
 PROVEN SOURCE OF ELEVATION: U.S.G.S. MONUMENT THOMAS 1498.81'

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT 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 DEPARTMENT OF ENVIRONMENTAL PROTECTION.

Signed: George D. Six  
 R.P.E.: \_\_\_\_\_ L.L.S.: P.S. No. 2000



PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS WVDEP  
 OFFICE OF OIL & GAS  
 601 57TH STREET  
 CHARLESTON, WV 25304



DATE: SEPTEMBER 7, 2018  
 OPERATOR'S WELL #: MAJ10CHSU  
 API WELL #: 47 51  
 STATE COUNTY PERMIT

Well Type:  Oil  Waste Disposal  Production  Deep  Gas  Liquid Injection  Storage  Shallow

WATERSHED: WHEELING CREEK ELEVATION: 1317.00'

COUNTY/DISTRICT: MARSHALL / WEBSTER QUADRANGLE: MAJORSVILLE, WV 7.5'

SURFACE OWNER: CNX LAND, LLC ACREAGE: 59.00±

OIL & GAS ROYALTY OWNER: CNX GAS LLC ACREAGE: 2230.716±

DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION   
 PERFORATE NEW FORMATION  PLUG & ABANDON  CLEAN OUT & REPLUG  OTHER CHANGE

(SPECIFY): \_\_\_\_\_

TARGET FORMATION: POINT PLEASANT ESTIMATED DEPTH: TVD: 11,890'± TMD: 20,595'±

WELL OPERATOR CNX GAS COMPANY LLC DESIGNATED AGENT CHRIS TURNER

Address 1000 CONSOL ENERGY DRIVE Address 1 DOMINION DRIVE

City CANONSBURG State PA Zip Code 15317 City JANE LEW State WV Zip Code 26378

04/22/2022

# MAJ10CHSU PAGE 2 OF 2

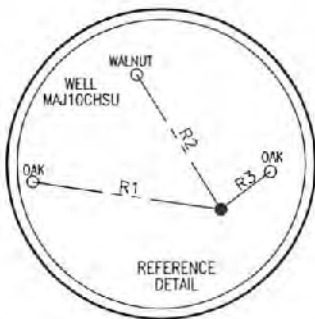
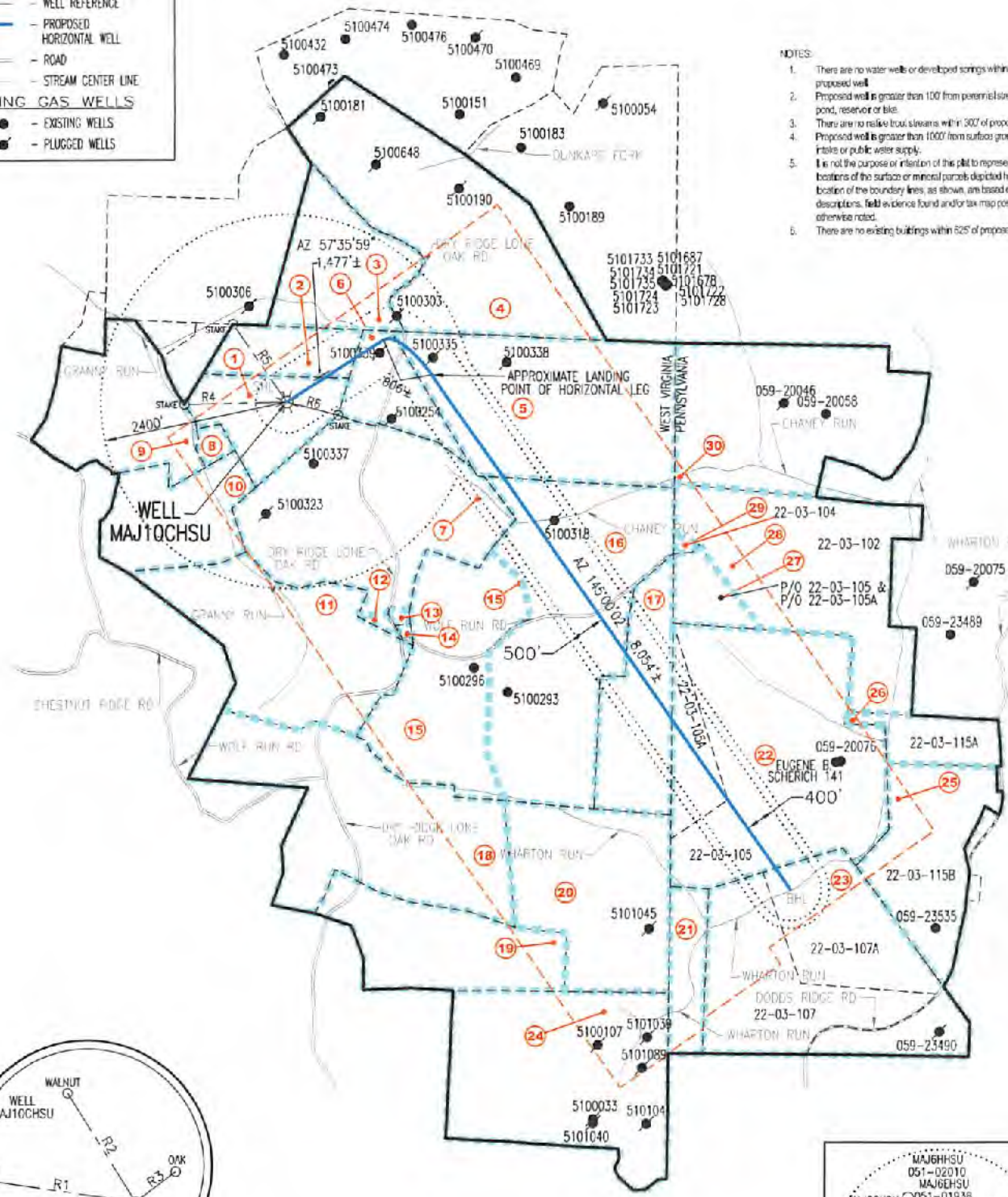


**LEGEND**

- TOPO MAP POINT
- WELL
- ALL ARE POINTS UNLESS OTHERWISE NOTED.
- SURFACE OWNERS/LESSORS
- UNIT BOUNDARY
- MINERAL TRACT BOUNDARY
- PARCEL LINES
- LEASE BOUNDARY
- WELL REFERENCE
- PROPOSED HORIZONTAL WELL
- ROAD
- STREAM CENTER LINE
- EXISTING GAS WELLS**
- EXISTING WELLS
- PLUGGED WELLS

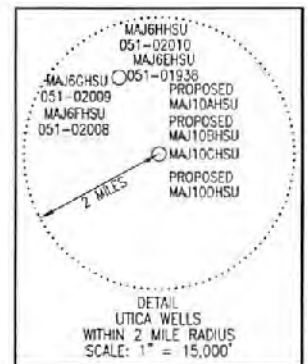
**NOTES:**

1. There are no water wells or developed springs within 250' of proposed well.
2. Proposed well is greater than 100' from perennial stream, wetland, pond, reservoir or lake.
3. There are no relief base streams within 300' of proposed well. Proposed well is greater than 1000' from surface groundwater flows or public water supply.
4. It is not the purpose or intention of this plot to represent surveyed locations of the surface or mineral parcels depicted herein. The location of the boundary lines, as shown, are based on recent deed descriptions, field evidence found and/or tax map position, unless otherwise noted.
5. There are no existing buildings within 525' of proposed well.



LINE	BEARING	DISTANCE
R1	N 81°57'29" W	298.61'
R2	N 31°37'06" W	249.53'
R3	N 54°34'49" E	100.69'
R4	S 88°39'45" W	1321.75'
R5	N 34°43'13" W	1214.10'
R6	S 75°31'30" E	684.63'

**UNIT ACREAGE - 1187.813 ACRES**



SURFACE HOLE LOCATION (SHL)
UTM 17-NAD83(M) N:4418811.50 E:539568.00
NAD83, WV NORTH N:518335.396 E:1677643.755
LAT/LON-NAD83 LAT:39°55'06.514" LON:80°32'13.224"

APPROX. LANDING POINT
UTM 17-NAD83(M) N:4418926.99 E:540133.73
NAD83, WV NORTH N:518683.282 E:1679506.543
LAT/LON-NAD83 LAT:39°55'10.163" LON:80°31'49.368"

BOTTOM HOLE LOCATION (BHL)
UTM 17-NAD83(M) N:4416940.69 E:541574.67
NAD83, WV NORTH N:512086.209 E:1684125.882
LAT/LON-NAD83 LAT:39°54'05.488" LON:80°30'49.127"

04/22/2022

*George D. Dix*

**Blue Mountain**  
10125 MASON DIXON HIGHWAY  
BURTON, WV 26562  
PHONE: (304) 662-6486

**SEPTEMBER 7, 2018**

11/10/2016

## PLUGGING PERMIT CHECKLIST

## 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

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Office of Oil and Gas  
APR 4 2022  
WV Department of  
Environmental Protection

04/22/2022



Stansberry, Wade A &lt;wade.a.stansberry@wv.gov&gt;

---

**Plugging Vertical Well Work Permit API: 47-051-02065)**

1 message

**Stansberry, Wade A** <wade.a.stansberry@wv.gov>

Mon, Apr 11, 2022 at 9:04 AM

To: "Hoon, Raymond" &lt;raymondhoon@cnx.com&gt;, erikawhetstone@cnx.com, "Kendziora, Anthony" &lt;anthonykendziora@consolenergy.com&gt;, John Hardcastle &lt;JohnHardcastle@cnx.com&gt;, Eric Buzzard &lt;ebuzzard@marshallcountywv.org&gt;, "Gayne J. Knitowski" &lt;gayne.j.knitowski@wv.gov&gt;

I have attached a copy of the newly issued well [permit](#) number. This will serve as your copy.

**47-051-02065 - MAJ10CHSU**  
**47-051-02068 - MAJ10AHSU**  
**47-051-02069 - MAJ10DHSU**  
**47-051-02070 - MAJ10BHSU**

If you have any questions, then [please](#) contact us here at the Office of Oil and Gas.

Thank you,

**Wade A. Stansberry**

**Environmental Resource Specialist 3**

**West Virginia Department of Environmental Protection**

**Office of Oil & Gas**

**601 57th St. SE**

**Charleston, WV 25304**

**(304) 926-0499 ext. 41115**


**(304) 926-0452 fax**


**[Wade.A.Stansberry@wv.gov](mailto:Wade.A.Stansberry@wv.gov)**


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**5 attachments**

 **IR-8 Blank.pdf**  
233K

 **47-051-02065 - Copy.pdf**  
1703K

 **47-051-02069 - Copy.pdf**  
1831K

 **47-051-02068 - Copy.pdf**  
1686K

 **47-051-02070 - Copy.pdf**  
1869K

**04/22/2022**