

west virginia department of environmental protection

Office of Oil and Gas 601 57th Street SE Charleston, WV 25304 (304) 926-0450 (304) 926-0452 fax

Earl Ray Tomblin, Governor Randy C. Huffman, Cabinet Secretary www.dep.wv.gov

August 27, 2013

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-100117, issued to CNX GAS COMPANY LLC , 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 all 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. The above named operator will also file, as required in WV Code 22-6-23, an affidavit on form WR-38 by two experienced persons in the operator's employment and the Oil and Gas inspector that the work authorized under this permit was performed and a description given. Failure to abide by all statutory and regulatory provisions governing all duties and operations here under may result in suspensions or revocation of this permit and in addition may result in civil and/or criminal penalities being imposed upon the operator.

This permit will expire in two (2) years from date of issue. If there are any questions, please free to contact me at (304) 926-0499 ext. 1654.

James Martin

Chief

Operator's Well No: 10394

Farm Name: GRAY, MICHAEL H., ET AL

API Well Number: 47-100117

Permit Type: Plugging

Date Issued: 08/27/2013

Promoting a healthy environment.

1)Date May 7	20 13
2)Operator's	
Well No. 10394	
3) API Well No. 47-001	- 00117

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

4) Well Type: Oil / Gas X / Liquio	
	d injection/ Waste disposal/
	derground storage) Deep/ Shallow X
E) Togetien Blowstian 120160	Watershed Arnold Run
5) Location: Elevation 1291.60' District Elk 03	
District Elk 05	County Barbour Ol Quadrangle Brownton 266
6) Well Operator CNX Gas Company LLC	7)Designated Agent Jeremy Jones
Address P.O. Box 1248	Address P.O. Box 1248
Jane Lew, WV 26378	Jane Lew, WV 26378
8) Oil and Gas Inspector to be notified Name Joe McCourt	9) Plugging Contractor Name Viking Well Service
Address 601 57th Street SE	Address 8113 Sissonville Drive
Charleston, WV 25304	Sissonville, WV 25320
See attached work order	
Coo attacrica work order	

Plugging Work Order for Permit 47-001-00117

WN 10394

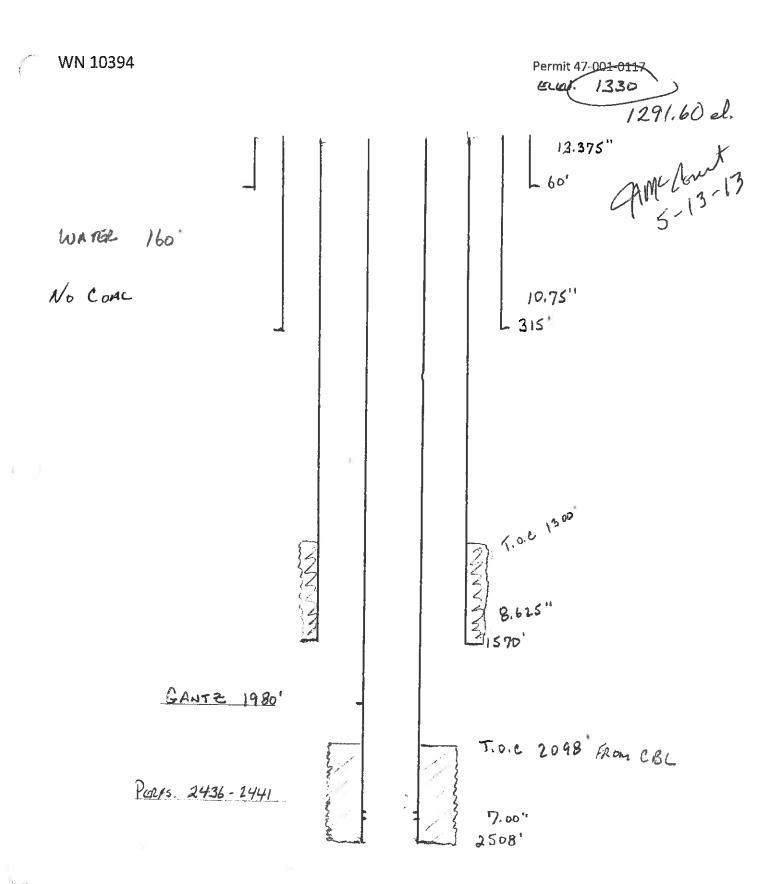
- 1. Verify total depth. Bottom perf @ 2441'
- 2. TIH with tubing to TD and circulate fluid to surface
- 3. Pump cement plug 2200' TD
- 4. Displace with gell to 2200' and TOOH
- 5. Mechanical cut 7.00" casing at 2050'
- 6. Attempt to pull casing. Remove all casing if possible.
- 7. Free point 8.625" and cut casing above free point (est. 1300')
- 8. Attempt to pull casing. Remove all casing if possible
- 9. Attempt to pull 10.75" casing. If unable perforate at 200'
- 10. TIH with tubing to 2050'
- 11. Pump cement plug 1780' 2050'
- 12. Displace with gell to 1780'
- 13. Pull tubing to cut of 8.625" casing (est. at 1300')
- 14. Pump cement plug 1050-1380 1341' At least 50 above and 50' below elevation. AMC 5-13-13
- 15. Pump cement plug 400' -- 500'
- 16. Pump cement plug 0' 200'
- 17. Install 7" x 4' monument with API 47-01-117

Work Order approved by inspector AMC Court Date 5-13-13

Received

AUG - 1 784

Office of Oil and Gas Unice or Un and USS
WV Dept. of Environmental Protection





STATE OF WEST VIRGINIA DEPARTMENT OF MINES OIL AND GAS DIVISION

Quadrangle PHILIPPI

Permit No. BAR-117

WELL RECORD

Oil or Gas Well Gas

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Bar-117 (P.2)

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	Date 8-22	-62	19
APPROVED	Hope Natural Gas	Co.	Owner
Bv	Qualet 30	uley	-, Owner
20	X	(Title)	

WW-4A Revised 6-07

1) Date: May 7, 2013				
2) Operator's Well Number 10394	r			
3) API Well No.: 47 -	001	_	00117	

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

	ner(s) to be served:		5) (a) Coal Operator	
(a) Name	Michael H. Gray	V	Name	None of Declaration
Address	3646 Arnold Run Road		Address	
	Philippi, WV 26416			
(b) Name			(b) Coal Owr	ner(s) with Declaration
Address			Name	
			Address	
(c) Name			Name	
${f Address}$			Address	
6) Inspector			 (c) Coal Less	see with Declaration
Address		•	Name	
			Address	
Telephone				

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

- The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and
- (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.



OFFICIAL SEAL NOTARY PUBLIC STATE OF WEST VIRGINIA CAPOLINDA FLANAGAN PO Box 803 rport WV 28386

alon Peoires September 15, 2021

Bv: Its:

Address

Telephone

Well Operator CNX Gas Company LLC

Jeremy Jones

General Manager WV Operations

P.O. Box 1248

Jane Lew, WV 26378

304 - 884 - 2000

Subscribed and sworn before me this aro

day of

2013

Notary Public

My Commission Expires Oil and Gas Privacy Notice

Office of Oil and Gas

Office of Oil and Gas processes your personal information, such as name, address and phone number, as a material protection regulatory duties. Your personal information may be disclosed to other State according to the state accor 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 <u>depprivacyoffier@wv.gov</u>.

WW-9 Rev. 05/10

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

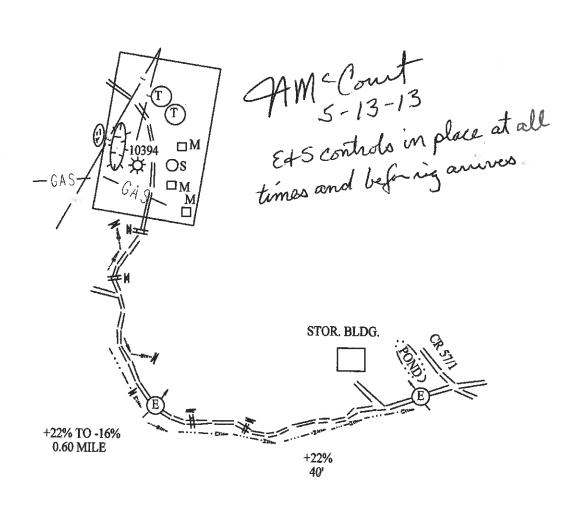
Page _	of
API NUMBER 47	001 _ 00117
Operator's Well No.	10394

CONSTRUCTION AND RECLAMATION PLAN AND SITE REGISTRATION APPLICATION FORM GENERAL PERMIT FOR OIL AND GAS PIT WASTE DISCHARGE

Operator Name	CNX (JAS COMPAN	NY LLC	* 's	OP CODE _	494495754
						BROWNTON
						ELK
Description of a	nticipated Pit Waste:		FLUIDS ASSOCIATE	ED WITH THE PL	UGGING OF I	EXISTING GAS WELLS
			r to complete the proposed YES			
Proposed Dispo	sal Method For Treat	ted Pit Wastes:				
	X La	nd Application				
						<u> </u>
	Re	euse (at API Nur	nber	· · · · · · · · · · · · · · · · · · ·		
			Supply for WW-9 for disp	•		
•	O	ther (Explain) _	·			
Drill cuttings di If left	isposal method? Leav in pit and plan to soli	e in pit, landfill, dify what medic	ım will be used? Cement.	lime, sawdnst	C	[EMENT
un pei th fo:	ued on August 1, 2005 derstand that the pro rmit and/or other app I certify under is application form an r obtaining the inforn	5, by the Office o visions of the pe licable law or re penalty of law to d all attachmen nation. I believe	l agree to the terms and co of Oil and Gas of the West rmit are enforceable by la gulation can lead to enfor that I have personally exa ts thereto and that, based that the information is tru e information, including the	onditions of the GENE Virginia Division of I w. Violations of any t cement action. mined and am familia on my inquiry of thos	ERAL WATER: Environmental I erm or condition or with the infor- te individuals im-	Protection, I n of the general mation submitted on mediately responsible
ompany Official	Signature		· · · · · · · · · · · · · · · · · · ·		<u> (Lilia</u>	addition
mpany Official	(Typed Name)		JEREMY JON	ES		
ompany Official	Title	GEN	ERAL MANAGER WY	OPERATIONS - I	DESIGNATED	AGENT
bscribed and sw	vorn before me this	2)90	day of JU	,	20 <u>1 3</u> otory Public	
commission ex	pires <u>9//</u>	5/2021	$\{1, 1, \dots, n\}$			

LEGEND

Property Boundary				Diversion	
Road	-===	=======		Spring	\bigcirc
Existing Fence	-*-	-**		Wet Spot	Ö
Planned Fence				Drain Pipe with	h size in inches
Stream	\ 7			Waterway	(→ (-> (->
Open Ditch	-···			Cross Drain	
Rock	88	**		Artificial Filte	r Strip
North	North			Pit: cut walls	
Water wells	w			Pit: compacted	fill walls
Drill Site	\oplus			Area for Land	Application of Pit Waste
Proposed Revegetatio	n Treatment:	Acres Disturbed	1,25	Prevegetation pH	6.5
	Lime	according to pH test		Fons/acre or correct to pH	7.0
	Fertilizer (10)-20-20 or equivalent)	500	the/acre (500 th	s minimum)
	•)-20-20 or equivalent) HAY OR STRAW	500	lbs/acre (500 lb 2 Tons/acre	s minimum)
	•)-20-20 or equivalent) HAY OR STRAW	500		s minimum)
	•	- ,	500 Seed Mixture	2 Tons/acre	s minimum)
	•	- ,		2 Tons/acre	s minimum) Area II
Seed Type	Mulch	- ,		2 Tons/acre	
Seed Type ORCHARDG	Mulch	HAY OR STRAW		2 Tons/acre	Area II
	MulchArea I	HAY OR STRAW		2 Tons/acre	Area II Ibs/acre 25
ORCHARDG	Mulch Area I RASS	HAY OR STRAW Ibs/acre 25		2 Tons/acre s Seed Type ORCHARDGRASS	Area II Ibs/acre 25 L 15
ORCHARDGE BIRDSFOOT	Mulch Area I RASS	Ibs/acre 25		2 Tons/acre Seed Type ORCHARDGRASS BIRDSFOOT TREFOR	Area II Ibs/acre 25 L 15
ORCHARDGE BIRDSFOOT T LADINO CLO Attach:	Mulch Area I RASS FREFOIL OVER	Ibs/acre 25		2 Tons/acre Seed Type ORCHARDGRASS BIRDSFOOT TREFOR	Area II Ibs/acre 25 L 15
ORCHARDGE BIRDSFOOT T LADINO CLO Attach:	Mulch Area I RASS FREFOIL OVER Ocation, pit and	Ibs/acre 25 15 10 proposed area for land application.		2 Tons/acre Seed Type ORCHARDGRASS BIRDSFOOT TREFOR	Area II Ibs/acre 25 L 15
ORCHARDGE BIRDSFOOT T LADINO CLO Attach: Drawing(s) of road, lo	Mulch Area I RASS FREFOIL OVER Ocation, pit and of involved 7.5'	Ibs/acre 25 15 10 proposed area for land application.		2 Tons/acre Seed Type ORCHARDGRASS BIRDSFOOT TREFOR	Area II Ibs/acre 25 L 15
ORCHARDGE BIRDSFOOT T LADINO CLC Attach: Drawing(s) of road, lc Photocopied section of	Area I RASS TREFOIL OVER Ocation, pit and of involved 7.5°	Ibs/acre 25 15 10 proposed area for land application.		2 Tons/acre s Seed Type ORCHARDGRASS BIRDSFOOT TREFOI LADINO CLOVER	Area II Ibs/acre 25 L 15



THIS PLAN IS FOR THE PLUGGING OF AN EXISTING GAS WELL. ENTIRE LENGTH OF ROAD IS EXISTING WELL ROAD. ROCK WILL BE USED WHERE NECESSARY.

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ALL GRADES OVER 20% ARE NOTED.

LAND SURVEYING SERVICES 21 CEDAR LANE BRIDGEPORT, WV 26330 PHONE: 304-842-2018 OR 5762

DRAWINGS TO ACCOMPANY FORM WW-9
CNX GAS COMPANY LLC
P. O. BOX 1248
JANE LEW, WV 26378
WATERSHED: ARNOLD RUN
DISTRICT: ELK COUNTY: BARBOUR
QUADRANGLE: BROWNTON WELL NO.: 10394
DATE: 05/06/13 PAGE of