

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

June 07, 2013

WELL WORK PERMIT

Horizontal 6A Well

This permit, API Well Number: 47-103295, 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.

Please be advised that form WR-35, Well Operators Report of Well Work is to be submitted to this office within 90 days 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.

In addition to the applicable requirements of this permit, and the statutes and rules governing oil and gas activity in WV, this permit may contain specific conditions which must be followed. Permit conditions are attached to this cover letter.

Per 35CSR-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 feet free to contact me at (304) 926-0499 ext. 1654.

James Martin

Chief

Operator's Well No: AUD5BHS

Farm Name: JENKINS, DANA L.

API Well Number: 47-103295

Permit Type: Horizontal 6A Well

Date Issued: 06/07/2013



west virginia department of environmental protection

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

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

ORDER ISSUED UNDER WEST VIRGINIA CODE, CHAPTER 22, ARTICLE 6

TO: CNX Gas Company LLC One Energy Drive Jane Lew, WV 26378

DATE: June 6, 2013

ORDER NO.: 2013-W-3

INTRODUCTION

This Order (hereinafter "Order") is issued by the Office of Oil and Gas (hereinafter "OOG"), by and through its Chief, pursuant to the authority of W. Va. Code §§ 22-1-1, 22-6-1 and 22-6A-1 et seq. to CNX Gas Company LLC (hereinafter "CNX" or "Operator"), collectively the "Parties."

FINDINGS OF FACT

In support of this Order, the Chief hereby finds the following:

- 1. OOG, an office within the West Virginia Department of Environmental Protection, is the agency with the duty and authority to execute and enforce W. Va. Code §§ 22-6-1 and 22-6A-1 et seq., and the rules and regulations promulgated thereunder.
- 2. CNX is a "person" as defined by W. Va. Code § 22-6-1(n), with a corporate address as One Energy Drive, Jane Lew, WV 26378.
- On February 14, 2013, CNX submitted applications for gas wells identified as API #s 47-001-03293, 47-001-03294, and 47-001-03295; and on March 25, 2013, API #s 47-001-03297, 47-001-03298, 47-001-03299 and, 47-001-03300, located on the AUD5HS Pad in Barbour County, West Virginia.
- 4. On May 15th, 2013, CNX requested a waiver for a wetland along the northern boundary ("wetland") of the proposed well pad outlined in Exhibit 1, from well location restriction requirements in W. Va. Code § 22-6A-12(b) for a gas well permit applications identified as API #s 47-001-03293, 47-001-03294, 47-001-03295, 47-001-03297, 47-001-03298, 47-001-03299 and, 47-001-03300, located on the AUD5HS Pad in Barbour County, West Virginia.

CONCLUSIONS OF LAW

- 1. West Virginia Code § 22-1-6(d) requires, in part, that "[i]n addition to other powers, duties and responsibilities granted and assigned to the secretary by this chapter, the secretary is authorized and empowered to...(3) Enter private lands to make surveys and inspections for environmental protection purposes; to investigate for violations of statutes or rules which the Office of Oil and Gas is charged with enforcing; to serve and execute warrants and processes; to make arrests; issue orders, which for the purposes of this chapter include consent agreements; and to otherwise enforce the statutes or rules which the Office of Oil and Gas is charged with enforcing"
- 2. West Virginia Code § 22-6A-2(a)(6) requires, in part, that "[c]oncomitant with the broad powers to condition the issuance of well work permits, the secretary should also have broad authority to waive certain minimum requirements of this article when, in his or her discretion, such waiver is appropriate: *Provided*, That the secretary shall submit a written report of the number of waivers granted to the Legislature commencing January 1, 2013, and each year thereafter;"
- 3. West Virginia Code § 22-6A-12(b) requires, in part, that "[n]o well pad may be prepared or well drilled within one hundred feet measured horizontally from any perennial stream, natural or artificial lake, pond or reservoir, or a wetland, or within three hundred feet of a naturally reproducing trout stream. No wellpad may be located within one thousand feet of a surface or ground water intake of a public water supply. The distance from the public water supply as identified by the Office of Oil and Gas shall be measured as follows:(1) For a surface water intake on a lake or reservoir, the distance shall be measured from the boundary of the lake or reservoir.

 (2) For a surface water intake on a flowing stream, the distance shall be measured from a semicircular radius extending upstream of the surface water intake.(3) For a groundwater source, the distance shall be measured from the wellhead or spring. The Office of Oil and Gas may, in its discretion, waive these distance restrictions upon submission of a plan identifying sufficient measures, facilities or practices to be employed during well site construction, drilling and operations to protect the waters of the state. A waiver, if granted, shall impose any permit conditions as the secretary considers necessary."

ORDER

Therefore, the Office of Oil and Gas grants CNX Gas Company LLC a waiver for this wetland from well location restriction requirements in W. Va. Code § 22-6A-12(b) for gas well permit applications identified as API #s 47-001-03293, 47-001-03294, 47-001-03295, 47-001-03297, 47-001-03298, 47-001-03299 and, 47-001-03300, located on the AUD5HS Pad in Barbour County, West Virginia.. The Office of Oil and Gas hereby **ORDERS** that CNX Gas Company LLC shall meet the following site construction and operational requirements for the AUD5HS well pad:

- 1. CNX Gas Company, LLC shall meet the following site construction and operational requirements for the AUD5HS well pad:
 - a. A berm shall be constructed around the perimeter of the pad to contain any potential spills and storm water runoff. Berm is to be at least two feet (2') in height;
 - b. Filter/silt socks and erosion control blankets shall be installed on all slopes and down gradient locations of the pad and topsoil pile areas steeper than 3H:1V, as erosion and sediment controlling BMPs;
 - c. The wetland shall have a compost filter sock installed no less than twenty-five feet (25') away from the northern boundary;
 - d. Disturbed areas not used for operations shall be seeded and mulched per the seeding tables in the WVDEP-OOG Erosion and Sediment Control Manual;
 - e. Drilling muds shall be disposed of in a permitted landfill;
 - f. Waste generated by the flowback treatment systems shall be sent to offsite disposal at a permitted landfill;
 - g. Weekly site inspections shall be conducted to monitor and maintain the integrity of the BMP storm water controls;
 - h. Weekly storm water and spill prevention inspections shall be conducted focusing on storm water and spill prevention BMPs and maintenance of these BMPs;
 - i. Inspections of the storm water and spill prevention measures shall be conducted after any major storm event defined as a half inch (½") rain within any twenty-four (24) hour period;
 - j. Pad inspections shall be conducted no less than once a week to identify and mitigate potential deficiencies;
 - k. All records from inspections shall be maintained on site for the life of the project and be available upon request.

Thus ORDERED, the 6th day of June 2013.

IN THE NAME OF THE STATE OF WEST VIRGINIA:

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

Order No. 2013-W-3

PERMIT CONDITIONS

West Virginia Code § 22-6A-8(d) allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. <u>Failure to adhere to the specified permit conditions may result in enforcement action.</u>

CONDITIONS

- 1. The subject application contains information which indicates that the proposed activity may require permit coverage from the United States Army Corps of Engineers (USACOE). Through this permit, you are hereby being advised to consult with USACOE regarding this proposed activity.
- 2. If the operator encounters an unanticipated void, or an anticipated void at an unanticipated depth, the operator shall notify the inspector within 24 hours. Modifications to the casing program may be necessary to comply with W. Va. Code § 22-6A-5a (12), which requires drilling to a minimum depth of thirty feet below the bottom of the void, and installing a minimum of twenty (20) feet of casing. Under no circumstance should the operator drill more than fifty (50) feet below the bottom of the void or install less than twenty (20) feet of casing below the bottom of the void.
- 3. When compacting fills, each lift before compaction shall not be more than 12 inches in height, and the fill material shall be within plus or minus 2% of the optimum moisture content as determined by the standard proctor density test, ASTM D698, Standard Test Method for Laboratory Compaction Characteristics of Soil Using Standard Effort. Each lift must meet 95 % compaction of the optimum density based on results from the standard proctor density test of the actual soils used in specific engineered fill sites. Each lift shall be tested for compaction, with a minimum of two tests per lift per acre of fill. All test results shall be maintained on site and available for review.
- 4. Operator shall install signage per § 22-6A-8g (6) (B) at all source water locations included in their approved water management plan within 24 hours of water management plan activation.
- 5. Oil and gas water supply wells will be registered with the Office of Oil and Gas and all such wells will be constructed and plugged in accordance with the standards of the Bureau for Public Health set forth in its Legislative rule entitled *Water Well Regulations*, 64 C.S.R. 19. Operator is to contact the Bureau of Public Health regarding permit requirements. In lieu of plugging, the operator may transfer the well to the surface owner upon agreement of the parties. All drinking water wells within fifteen hundred feet of the water supply well shall be flow tested by the operator upon request of the drinking well owner prior to operating the water supply well.
- 6. Pursuant to the requirements pertaining to the sampling of domestic water supply wells/springs the operator shall, no later than thirty (30) days after receipt of analytical data provide a written copy to the Chief and any of the users who may have requested such analyses.

WW - 6B (1/12)

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS W.VA. CODE §22-6A - WELL WORK PERMIT APPLICATION

1) Well Operator: CNX Gas	Company, LLC		494495754	Barbour	Union	Audra
.)			Operator ID	County	District	Quadrangle
2) Operator's Well Number	AUD5BHS			Well Pad Nar	me: AUD5HS	
3 Elevation, current ground	d: 1622'	Ele	evation, proposed	l post-constru	ction:	1620'
4) Well Type: (a) Gas Other		Oil				
(b) If Gas:	Shallow Horizontal		Deep			
5) Existing Pad? Yes or No): No					
6) Proposed Target Format Target - Marcellus, Depth - 7880, Thi		the second of the second of the second	ed Thicknesses a	nd Associated	d Pressure(s):	
7) Proposed Total Vertical 8) Formation at Total Vertical 9) Proposed Total Measure 10) Approximate Fresh Wa 11) Method to Determine I 12) Approximate Saltwater 13) Approximate Coal Sea 14) Approximate Depth to 15) Does land contain coal 16) Describe proposed wel	cal Depth: ad Depth: ater Strata De Fresh Water I Depths: m Depths: Possible Voi seams tributa	None Anticipated 165′, 505′ d (coal mine, ary or adjacer	2', 165', 505' eference Well # 33306 AF karst, other):	None Anticipa?	ated	
void is encountered, plan will be to se						
deeper than 100' into the Onondaga	Group, nor will there	be any production, p	erforation, or stimulation o	f any formations belo	w the target formation	n.
17) Describe fracturing/stin The stimulation will be multiple stages utilized on each stage using sand, was	divided over the late			ant upon engineering	design. Slickwater fra	acturing technique will be
18) Total area to be disturbed for the disturbed				c, (acres):	16.62 Acres	3

RECEIVED Office of Oil and Gas

MAY 2 0 2013

WV Department of Environmental Protection 20)

CASING AND TUBING PROGRAM

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TYPE	Size	New or Used	Grade	Weight per ft.	FOOTAGE: For Drilling	INTERVALS: Left in Well	CEMENT: Fill -up (Cu. Ft.)
Conductor	20"	Ν	L.S.	81.3#	30'	30'	Sand In
Fresh Water	13 3/8	N	J-55	54.5#	600'	600'	CTS w/ approved Class A Type Cement
Coal							
Intermediate	9 5/8	N	J-55	36#	2000'	2000'	CTS w/ approved Class A Type Cement
Production	5 1/2	N	P-110	20#	13500'	13500'	2400 cu. ft. w/ 50/50 POZ Lead & Class A Tail
Tubing	2 3/8	N	J-55	4.7#	8380'	8380'	
Liners							

TYPE	Size	Wellbore Diameter	Wall Thickness	Burst Pressure	Cement Type	Cément Yield
Conductor	20"	26"	0.438	2110	Class A Type	1.18
Fresh Water	13 3/8"	17 1/2"	0.380	2730	Class A Type	1.39
Coal						
Intermediate	9 5/8"	12 3/8"	0.352	3520	Class A Type	1.18
Production	5 1/2"	8 3/4" and 8 1/2"	0.361	12640	Class A Type	1.26
Tubing	2 3/8"	8 3/4" and 8 1/2"	0.190	7700		
Liners						

PACKERS

Kind:	None	
Sizes:	None	
Depths Set:	None	

) Describe centralizer placement for each casing strin	g. Conductor - No centralizers used. Fresh Water & Coal -
Bow spring centralizers on first joint then every fourth joi	nt to 100 feet from surface. Intermediate - Bow spring
centralizers one on the first two joints and every fourth jo	int until inside surface casing. Production - Rigid bow spring
centralizer on first joint then every 2 casing joints (free fle	pating) through the lateral and the curve.
(Note: cementing the 5 1/2" casing completely in open he	ole lateral and curve.)
2) Describe all cement additives associated with each	
	Production - 2.6% Cement extender, 0.7% Fluid loss additive,
Fresh Water/Coal - 2% CaCl2. Intermediate - 2% CaCl2. I	
Fresh Water/Coal - 2% CaCl2. Intermediate - 2%	
0.5% High Temperature Retarder, 0.2% Friction Reduce	
0.5% High Temperature Retarder, 0.2% Friction Reduce 3) Proposed borehole conditioning procedures.	Conductor - The hole is drilled w/air and casing ran in air. Apart from insurin
0.5% High Temperature Retarder, 0.2% Friction Reduce 3) Proposed borehole conditioning procedures. the hole is clean via air circulation at TD, there are no other conditioning	Conductor - The hole is drilled w/air and casing ran in air. Apart from insuring procedures. Fresh Water/Coat - The hole is drilled w/air and casing is ra
0.5% High Temperature Retarder, 0.2% Friction Reduce 3) Proposed borehole conditioning procedures. the hole is clean via air circulation at TD, there are no other conditionin in air. Once casing is on bottom, the casing shoe will be cleared with	Conductor - The hole is drilled w/air and casing ran in air. Apart from insuring procedures. Fresh Water/Coat - The hole is drilled w/air and casing is ra
0.5% High Temperature Retarder, 0.2% Friction Reduce 3) Proposed borehole conditioning procedures. the hole is clean via air circulation at TD, there are no other conditioning in air. Once casing is on bottom, the casing shoe will be cleared with wair and casing is ran in air. Once casing is on at bottom, the casing shoe will be cleared with the casing shoe will be cleared wit	Conductor - The hole is drilled w/air and casing ran in air. Apart from insuring procedures. Fresh Water/Coat - The hole is drilled w/air and casing is rangeresh water and gel prior to cementing. Intermediate - The hole is drilled g shoe will be cleared with fresh water and gel prior to cementing. (Note
0.5% High Temperature Retarder, 0.2% Friction Reduce 3) Proposed borehole conditioning procedures. the hole is clean via air circulation at TD, there are no other conditioning in air. Once casing is on bottom, the casing shoe will be cleared with wair and casing is ran in air. Once casing is on at bottom, the casing Drilling soap may be utilized if the hole gets wet/damp during the	

*Note: Attach additional sheets as needed.



Cement Additives

- Conductor 2% CaCl2
- Freshwater/Coal 2% CaCl2
- Intermediate 2% CaCI2
- · Production
 - o 2.6% Cement extender
 - o 0.7% Fluid Loss Additive
 - o 0.5% High Temperature Retarder
 - o 0.2% Friction Reducer



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

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

Operator Name_	CNX Gas Company, LLC		OP Code	494495754			
Watershed Buckh	annon River		Quadrangle Audra				
Elevation 1622'		County_Barbour	Distric	t Union			
Description of ar	nticipated Pit Waste: Flu	uids associated with the drilling	of new gas wells		-		
Do you anticipat	e using more than 5,000	bbls of water to complete	the proposed well work?	Yes X	No		
Will a synthetic	liner be used in the pit?	Yes . If so	, what mil.? 60 mil.				
Proposed Dispos	al Method For Treated I Land Applicat	ion					
		Injection (UIC Permit Nu	mber				
	Reuse (at AP	Numberosal (Supply form WW-9 t	or disposal logation))		
	Other (Explai	n Recycle on other well on sa	me pad or adjacent pads				
	ciner (Explui						
Drilling medium	anticipated for this well	? Air, freshwater, oil base	d, etc. Air and water based i	mud			
-If oil b	ased, what type? Synthe	etic, petroleum, etc. N/A					
	sed? Bactericide, Polyme	rs and Weighting Agents					
	system be used ? No	pit, landfill, removed offs	ite etc. Landfill				
the state of the s		what medium will be use					
-Landfi	Il or offsite name/permit	number? MeadowFill, S&S L	andfill, and Northwestern Land	dfill			
provisions of the or regulation can I certify application form the information, submitting false Company Official Company Official	e permit are enforceable lead to enforcement act y under penalty of law and all attachments the I believe that the inforinformation, including that Signature	by law. Violations of any ion. that I have personally exteto and that, based on my mation is true, accurate, the possibility of fine or im	term or condition of the gramined and am familiar inquiry of those individuand complete. I am awa or isonment.	general permit with the info als immediate	ction. I understand that the and/or other applicable law ormation submitted on this ly responsible for obtaining are significant penalties for		
Subscribed and s	sworn before me this 8	th day of Fe	bruary,	20_\3_	FER 1 4 2013		
Ke	lly a. Ed	dy	No.	tary Public			
My commission	expires Septem	nber 18, 2018		STATE (KI R JANE	BLIC OFFICIAL SEAL F WEST VIRGINIA ILLY A. EDDY 2 BOX 225A LEW, WV 26378 N EXPIRES SEPT. 18, 2018		

Property Boundary				Diversion	
Road	=======	=====		Spring	\bigcirc
Existing Fence	—	-xx		Wet Spot	<u>~</u>
Planned Fence	/	-//-		Drain Pipe	_
Stream	<u>~~~</u>			w/ size in inches	12
Open Ditch	>>			Waterway	
Rock	<u> ర్మర్గ్రస్తర్</u> గి			Cross Drain	
	↑			Artificial Filter Strip XXXXXXXXX	xxxxxxxxxxxxx
North	Ň 			Pit: Cut Walls	MT TIME
Buildings				Pit: Compacted Fill Walls	manue
Water Wells	w			Area for Land Application	
Drill Sites	$\underline{\hspace{1cm}}$	M		of Pit Waste	
Proposed Revegetation Treat	ment: Acres Distu	rbed	16.62	Prevegetation pH	6.5
			,		
Lime according to pl	lons/acre or t	o correct to ph		7.0	
Fertilizer (10-20-20	or equivalent)	500 lbs	/acre (500 lbs minimum)	
Mulch HAY OR	STRAW	2 Tons/	асге		
		Se	ed Mix	tures	
		50	ou min		
Ar Seed Type	ea I lbs/acre			Area Seed Type	ı II lbs/acre
, , , , , , , , , , , , , , , , , , ,	25			ORCHARDGRASS	25
ORCHARDGRASS	25			ORCHARDGRASS	
BIRDSFOOT TREFOIL	15			BIRDSFOOT TREFOIL	15
LADINO CLOVER	10			LADINO CLOVER	10
Attach: Drawing(s) of road, location Photocopied section of invol			olication	1.	
Plan Approved by:	Mc Com	t			
Comments:/	<u>.</u>				
					- 010
					FEB 1 4 2013
Title: INSpector	· }		Da	ite: 1-15-13	·
<i>i</i>	Y) Yes) No	te: <u>/-/5-/3</u>	
Field Reviewed? (

west virginia department of environmental protection



Water Management Plan: Secondary Water Sources



WMP-01106

API/ID Number

047-001-03295

Operator:

Consol Energy - WV

AUD5BHS

Important:

For each proposed secondary water source identified in your water management plan (i.e., groundwater well, lake/reservoir, recycled frac water, multi-site impoundment, out-of-state source), DEP makes no estimation of the availability of water. These sources may prove to be unsuitable water supplies. Please review the following notes:

- •For groundwater supply wells, DEP recommends that the operator contact the local health department prior to drilling any new well; and reminds the operator that all drinking water wells within 1,500 feet of a water supply well shall be flow- and quality-tested by the operator at the request of the drinking well owner prior to operation of the water supply well.
- •For each proposed multi-site impoundment water source identified in your water management plan (if applicable), DEP will review the withdrawal limits established in the referenced Water Management Plan for current suitability and provide to the operator these limits for each identified intake. Note that withdrawal limits may be modified as necessary based on changing demands upon that water supply.

Multi-site impoundment

Source ID: 14174 Source Name

Warder North Impoundment

Source start date:

5/1/2013

Source end date:

5/1/2014

Source Lat:

39.192505

Source Long: -80.025198

County

Barbour

Max. Daily Purchase (gal)

Total Volume from Source (gal):

3,696,000

DEP Comments:

The intake identified above has been defined in a previous water management plan. The thresholds established in that plan govern this water management plan unless otherwise noted.

Reference: WMP-189

APPROVED MAY 2 4 2013

WMP-01106 API/ID Number 047-001-03295 Operator: Consol Energy - WV
AUD5BHS

Important:

For each proposed secondary water source identified in your water management plan (i.e., groundwater well, lake/reservoir, recycled frac water, multi-site impoundment, out-of-state source), DEP makes no estimation of the availability of water. These sources may prove to be unsuitable water supplies. Please review the following notes:

- •For groundwater supply wells, DEP recommends that the operator contact the local health department prior to drilling any new well; and reminds the operator that all drinking water wells within 1,500 feet of a water supply well shall be flow- and quality-tested by the operator at the request of the drinking well owner prior to operation of the water supply well.
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Warder South Impoundment Source ID: 14175 Source Name 5/1/2013 Source start date: 5/1/2014 Source end date: Barbour 39.19097 -80.025198 County Source Lat: Source Long: 3,570,000 Total Volume from Source (gal): Max. Daily Purchase (gal) **DEP Comments:**

The intake identified above has been defined in a previous water management plan. The thresholds established in that plan govern this water management plan unless otherwise noted.

Reference: WMP-190

WMP-01106	API/ID Number	047-001-03295	Operator:	Consol Energy - WV

AUD5BHS

Important:

For each proposed secondary water source identified in your water management plan (i.e., groundwater well, lake/reservoir, recycled frac water, multi-site impoundment, out-of-state source), DEP makes no estimation of the availability of water. These sources may prove to be unsuitable water supplies. Please review the following notes:

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Recycled Frac Water

Source ID:	14176	Source Name	ALT 1 Flowback	k Pit		Source start date	5/1/2013
						Source end date	5/1/2014
		Source Lat:	38.793967	Source Long:	80.183196	County	Barbour
	Max. Daily Purchase (gal)			Total Volu	me from Source (gal):	3,977,064	
	DEDC	mmonts:					

DEP Comments:

5/1/2014
-/-/
rbour
1,793,358
1

WMP- 01106	API/ID Number	047-001-03295	Operator:	Consol Energy - WV

AUD5BHS

Important:

For each proposed secondary water source identified in your water management plan (i.e., groundwater well, lake/reservoir, recycled frac water, multi-site impoundment, out-of-state source), DEP makes no estimation of the availability of water. These sources may prove to be unsuitable water supplies. Please review the following notes:

- •For groundwater supply wells, DEP recommends that the operator contact the local health department prior to drilling any new well; and reminds the operator that all drinking water wells within 1,500 feet of a water supply well shall be flow- and quality-tested by the operator at the request of the drinking well owner prior to operation of the water supply well.
- •For each proposed multi-site impoundment water source identified in your water management plan (if applicable), DEP will review the withdrawal limits established in the referenced Water Management Plan for current suitability and provide to the operator these limits for each identified intake. Note that withdrawal limits may be modified as necessary based on changing demands upon that water supply.

Source ID: 14178 Source Name Various

Source start date:

5/1/2013

Source end date:

5/1/2014

Source Lat:

Max. Daily Purchase (gal)

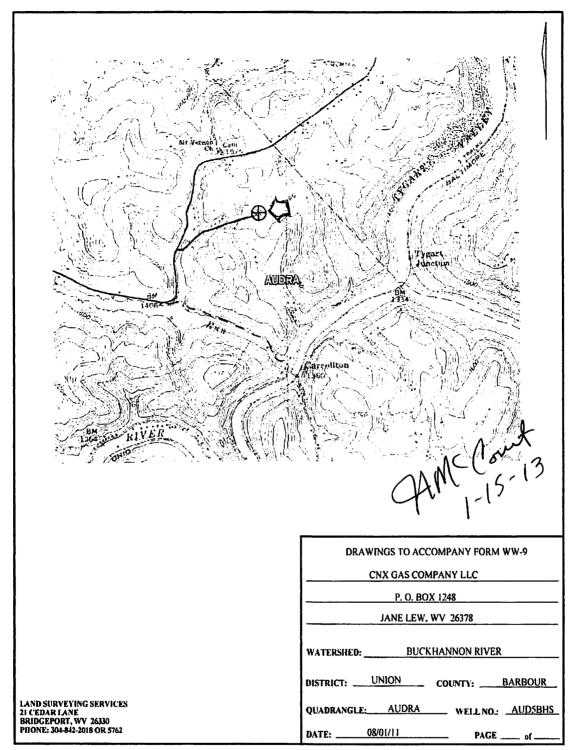
Source Long:

County

Total Volume from Source (gal):

110,000

DEP Comments:



FEB 1 4 2013

