

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

November 19, 2013

WELL WORK PERMIT Horizontal 6A Well

This permit, API Well Number: 47-103307, 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 feel free to contact me at (304) 926-0499 ext. 1654.

James Martin

Chief

Operator's Well No: PHL3CHS

Farm Name: PHILIPPI DEVELOPMENT, INC

API Well Number: 47-103307

Permit Type: Horizontal 6A Well

Date Issued: 11/19/2013

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. Failure to adhere to the specified permit conditions may result in enforcement action.

CONDITIONS

- 1. 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.
- 2. 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% (unless soil test results show a greater range of moisture content is appropriate and 95% compaction can still be achieved) 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.
- 3. 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.
- 4. 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.
- 5. 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.
- 6. If any explosion or other accident causing loss of life or serious personal injury occurs in or about a well or well work on a well, the well operator or its contractor shall give notice, stating the particulars of the explosion or accident, to the oil and gas inspector and the Chief, within 24 hours of said accident.
- 7. During the casing and cementing process, in the event cement does not return to the surface, the oil and gas inspector shall be notified within 24 hours.

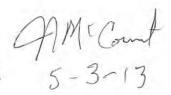
STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS WELL WORK PERMIT APPLICATION

		VV L	LL WORK I	LKWIT ATTEICA	100	66	545
1) Well Operator:	CNX G	as Comp	any LLC	494458046	Barbour	Pleasant	Philippi
				Operator ID	County	District	Quadrangle
2) Operator's Well 1	Number:	PHL3CHS			Well Pad Nar	ne: PHL3HS	
3 Elevation, curren	t ground:	1444'	E	levation, proposed	post-constru	ction:	1445'
4) Well Type: (a) C	Gas _		Oil	■ Underground	d Storage		
	Other _						
(b) I:		Shallow		Deep		-	
		Horizonta					-3-
5) Existing Pad? Ye	es or No:	NO					
6) Proposed Target Formation - Marcellus, De				nted Thicknesses an	d Associated	l Pressure(s):	
7) Proposed Total V	ertical De	epth:	7735'				
8) Formation at Total	al Vertica	l Depth:	Huntersville C	hert			
9) Proposed Total M	Aeasured I	Depth:	17,185				
10) Approximate Fr	esh Water	r Strata De	epths:	328', 544', 665'			
11) Method to Deter	rmine Fre	sh Water I	Depth:	Reference Offset Wells			
12) Approximate Sa	altwater D	epths:	None Reported	1			
13) Approximate Co	oal Seam l	Depths:	544', 665'				
14) Approximate De	epth to Po	ssible Voi	d (coal mine	, karst, other):	None Anti	icipated	
15) Does proposed value adjacent to an ac				directly overlying of and depth of mine:	Yes, S	Sentinel Min	e 544' & 665'
16) Describe propos	sed well w	ork:	Drill and stimulate new	horizontal Marcellus well. Well to b	e drilled to a TMD of 17	7185'. Well to be drilled to	a TVD of 7735' for logging
purposes, formation at TVD - F	Huntersville Chert.	Well will be plugg	ged back to an approxir	mate depth of 6735' (approximate d	ue to exact kick off poi	int being unknown). Plugg	ing back will be done using
the displacement method and Co	lass A type cemen	t. If an unexpected	d void is encountered, pl	lan will be to set casing at a minimur	n of 30' past void and c	ement to surface with appr	oved Class A type cement.
17) Describe fractur The stimulation will be mul	DAY .	A series of		1: ell. Stage spacing is depende	nt upon engineering	Received	ลั่cโปลีกg technique will
be utilized on each stage u	using sand, wate	er, and chemica	ls.				
						MAY 2 1 70	13
18) Total area to be	disturbed.	. including	roads, stock	cpile area, pits, etc.	(acres):	25.6 Acres	

WW - 6B (3/13)

20)

CASING AND TUBING PROGRAM



ТҮРЕ	Size	New or Used	Grade	Weight per ft.	FOOTAGE: For Drilling	INTERVALS: Left in Well	CEMENT: Fill -up (Cu. Ft.)
Conductor	20"	N	J-55	94#	80'	80'	Grout to Surface
Fresh Water	13 3/8"	N	J-55	54.5#	750'	750'	CTS w/ Approved Class A Type Cement
Coal							
Intermediate	9 5/8"	N	J-55	36#	2300'	2300'	CTS w/ Approved Class A Type Cement
Production	5 1/2"	N	P-110	20#	17185'	17185'	2400 cu. ft. W/ 50/50 POZ Lead & Class A Tail
Tubing	2 3/8"	Ν	J-55	4.7#	8135'	8135'	
Liners							

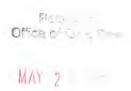
TYPE	Size	Wellbore Diameter	Wall Thickness	Burst Pressure	Cement Type	Cement Yield
Conductor	20"	26"	0.438	2110	Class A Type	1.18
Fresh Water	13 3/8"	17 1/2"	0.380	2730	Class A Type	1.39
Coal						
Intermediate	9 5/8"	12 3/8"	0.352	3520	Class A Type	1.18
Production	5 1/2"	8 3/4" & 8 1/2"	0.361	12640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

PACKERS

Kind:	None	Redelyad
Sizes:	None	Office of Oil & Gas
Depths Set:	None	NAME OF THE PARTY
		MAY 2 3 2013

21) Describe centralizer placement for each casing strin	g. Conductor - No centralizers used. Fresh Water &
Coal - Bow spring centralizers on first joint then every for	urth joint 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 joints (free floating)	through the lateral and the curve.
(Note: cementing the 5 1/2" casing completely in open he	ole lateral and curve.)
22) Describe all cement additives associated with each	cement type. Conductor - 2% CaCl2.
0.5% High Temperature Retarder, 0.2% Friction Reduce	Production: 2.6% Cement extender, 0.7% Fluid Loss Addative
23) Proposed borehole conditioning procedures.	Conductor - The hole is augered/drilled w/ air and casing ran in air. Apart From
insuring the hole is clean via air circulation at TD there are no of	her conditioning procedures. Fresh Water/Coal - The hole is drilled
w/ air and casing is ran in air. Once casing is on bottom the cas	ing shoe will be cleared with fresh water and gel prior to cementing.
Intermediate - The hole is drilled w/ air and casing is ran in air.	Once casing is on bottom the casing shoe will be cleared with fresh
water and gel prior to cementing. (Note: Drilling soap may be utili:	zed if the hole gets wet/damp during the drilling of all air holes with the
exception of the Conductor). Production - The hole is drilled wi	th synthetic oil base mud and once at TD the hole is circulated at a
drilling pump rate until the hole is clean. Once casing is ran the ho	le is circulated for a min. of one hole volume prior to pumping cement.

*Note: Attach additional sheets as needed.



		Page	of	
API Number 47 -	001	- 0	3307	
Operator's	s Well	No. PHL3C	HS	

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name CNX Gas Company LI	_C	OP Code 49445804	16	
Watershed (HUC 10) Foxgrape Rur	Q	uadrangle Philippi		_
Elevation 1,444.50'	County_Barbour	District_ Pleasant		
Do you anticipate using more than 5, Will a pit be used for drill cuttings? If so, please describe anticip	Yes No _x	proposed well work? Yes	No_×	-
	d in the pit? Yes No _x	If so, what ml.? N/A		
Proposed Disposal Method	For Treated Pit Wastes:			
Reuse (at Off Site D	lication and Injection (UIC Permit Numb API Number risposal (Supply form WW-9 for aplain_Recycle on other wells on the	disposal location)		
Will closed loop system be used?	es		472 (15	
Drilling medium anticipated for this	well? Air, freshwater, oil based, e	etc. Air and oil based mud	D vd	
-If oil based, what type? Sy	nthetic, petroleum, etc. Synthetic		(1) · (1)	
Additives to be used in drilling medi	um? Bactericide, Polymers and Weigh	ting Agents	Go C	
Drill cuttings disposal method? Leav	ve in pit, landfill, removed offsite,	etc. Landfill	10.	
-If left in pit and plan to soli	dify what medium will be used?	(cement, lime, sawdust) N/A		
-Landfill or offsite name/per	rmit number? MeadowFill, Northwest	ern Landfill, Max Environmental Yukon	Landfill and Bulger	Landfill
on August 1, 2005, by the Office of Oprovisions of the permit are enforced law or regulation can lead to enforced I certify under penalty of I application form and all attachmen obtaining the information, I believe penalties for submitting false information. Company Official Signature	able by law. Violations of any tement action. aw that I have personally examing the thereto and that, based on much that the information is true, action, including the possibility of	Department of Environmental Pro erm or condition of the general p ned and am familiar with the in ny inquiry of those individuals curate, and complete. I am away	tection. I unders ermit and/or oth aformation submandately res	stand that the her applicable nitted on this sponsible for
Company Official (Typed Name) Je		7.		-
Company Official Title Designed Ag	gent - General Manager WV Gas Op	erations		_
Subscribed and sworn before me this Avolunda J My commission expires 09/15/2021	9th day of May	, 20 13 Notary Public		OFFICIAL SEAL NOTARY PUBLIC STATE OF WEST VIRG CAROLINDA FLANA

Form WW-9

Operator's Well No. PHL3CHS

Proposed Revegetation Treatment: Acres Dis	sturbed 25.6 Prevegetation pH 6.5
Lime according to pH test Tons/acre of Fertilizer (10-20-20 or equivalent) Mulch hay or straw @ two	lbs/acre (500 lbs minimum)
	Seed Mixtures
Seed Type Area I Seed Type Ibs/acre Orchard Grass 25	Seed Type Area II Orchard Grass 25
Birdsfoot Trefoil 15	Birdsfoot Trefoil 15
Landino Clover 10	Landino Clover 10
Photocopied section of involved 7.5' topograp	phic sheet.
Plan Approved by:	int 8
	ont
Plan Approved by: A M C	Pecselved Office of Oil & Gas
Plan Approved by:	int 8

west virginia department of environmental protection



Water Management Plan: Primary Water Sources



WMP-01310

API/ID Number:

047-001-03307

Operator:

Consol Energy - WV

PHL3CHS

Important:

For each proposed primary water source (including source intakes for purchased water sources) identified in your water management plan, and summarized herein, DEP has made an evaluation concerning water availability over the specified date range. DEP's assessment is based on the following considerations:

- Statistical analysis of historical USGS stream gauge data (transferred to un-gauged locations as necessary);
- Identification of sensitive aquatic life (endangered species, mussels, etc.);
- Quantification of known existing demands on the water supply (Large Quantity Users);
- Minimum flows required by the Army Corps of Engineers; and
- Designated stream uses.

Based on these factors, DEP has provided, for each intake location (and origination point for purchased water), a reference gauge location and discharge flow reading which must be surpassed prior to withdrawals. Additionally, DEP has established a minimum passby flow at the withdrawal location which must also be surpassed prior to withdrawals. These thresholds are considered terms of the permit and are enforceable as such.

DEP is aware that some intake points will be used for mutiple wells and well sites. In these cases, the thresholds set by the Water Management Plan are to be interepreted as total withdrawal limits for each location over the specified date range regardless of how many wells are supported by that intake.

For all purchased water intakes, determinations of water availability are made at the original source intake location. It is the responsibility of the Oil and Gas Operator, not the seller, to cease withdrawal of water from the seller when flows are less than the minimum gauge reading at the stream gauge referenced by the Water Management Plan in order to protect stream uses.

Note that the determinations made herein are based on the best available data, but it is impossible to predict water availability in the future. While the DEP has carefully established these minimum withdrawal thresholds, it remains the operator's responsibility to protect aquatic life at all times. Approval to withdrawal is contingent upon permission from the land owner. It is the responsibility of the operator to secure and maintain permission prior to any withdrawals.

The operator is reminded that 24-48 hours prior to withdrawing (or purchasing) water, DEP must be notified by email at DEP.water.use@wv.gov.

APPROVED JUN 3 0 2013

Source Summary

WMP-01310

API Number: 047-001-03307 Operator: Consol Energy - WV
PHL3CHS

Stream/River

Source Tygart Valley River Barbour Owner: Consol Energy

Start Date End Date Total Volume (gal) Max. daily purchase (gal) Intake Latitude: Intake Longitude:

4/1/2014 4/1/2015 8,100,000 39.190421 -80.017423

Regulated Stream? Ref. Gauge ID: 3054500 TYGART VALLEY RIVER AT PHILIPPI, WV

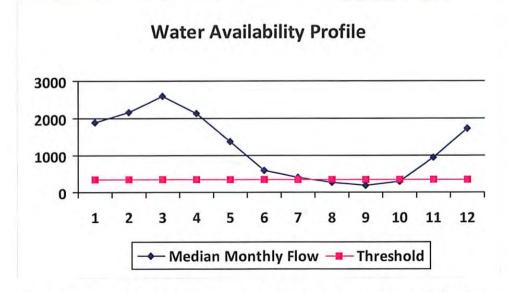
Max. Pump rate (gpm): 1,470 Min. Gauge Reading (cfs): 355.01 Min. Passby (cfs) 344.41

DEP Comments:

Source Detail

WMP-01310	API/ID Number:	047-001-03307	Operator:	Consol En	ergy - WV
	PHI	.3CHS			
Source ID: 20133 Source Name Tygart V	/alley River		Source	Latitude: 39.1	190421
Consol I	Energy		Source L	ongitude: -80.	.017423
HUC-8 Code: 5020001 Drainage Area (sq. mi.): 931.43 Endangered Species?	oounty.	arbour An	icipated withdrawa ticipated withdrawa otal Volume from S Max. Pump	al end date: fource (gal): rate (gpm):	4/1/2014 4/1/2015 8,100,000 1,470
✓ Proximate PSD? Taylor County✓ Gauged Stream?	PSD			Max. Simultaneou lax. Truck pump ra	
✓ Gauged Stream?	TYGART VALLEY RIV	ER AT PHILIPPI, WV	M	lax. Truck pump ra	te (gpm)
Drainage Area (sq. mi.) 914.0	0		Gauge Thi	reshold (cfs):	341

Month	Median monthly flow (cfs)	Threshold (+ pump	<u>Available</u> water (cfs)
1	1,901.06	361.51	1,542.64
2	2,155.51	361.51	1,797.09
3	2,600.93	361.51	2,242.51
4	2,132.23	361.51	1,773.82
5	1,375.48	361.51	1,017.07
6	586.10	361.51	227.69
7	402.01	361.51	43.59
8	280.57	361.51	-77.84
9	177.42	361.51	-181.00
10	286.75	361.51	-71.66
11	950.89	361.51	592.48
12	1,738.34	361.51	1,379.92



Min. Gauge Reading (cfs): Passby at Location (cfs):	355.01 347.50
Ungauged Stream Safety (cfs):	0.00
Headwater Safety (cfs):	0.00
Pump rate (cfs):	3.28
Downstream Demand (cfs):	0.00
Upstream Demand (cfs):	10.73
Base Threshold (cfs):	347.50

"Threshold", as depicted in the chart above is meant only to indicate the calculated base threshold at the proposed withdrawal location. This value does not include the proposed pump rate or existing demand on the stream. Refer to the monthly breakdown above for a more complete estimation of water availability by month.

west virginia department of environmental protection



Water Management Plan: Secondary Water Sources



WMP-01310

API/ID Number

047-001-03307

Operator:

Consol Energy - WV

PHL3CHS

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.

Lake/Reservior

Source ID: 20134 Source Name Little Hackers Creek Impoundment (WV83489)

Source start date:

4/1/2014

Source end date:

4/1/2015

Source Lat: 3

39.1889 S

Source Long: -80.0653

County

Barbour

Max. Daily Purchase (gal)

Total Volume from Source (gal):

8,100,000

DEP Comments:

Little Hackers Creek Impoundment (WV83489) used by Wolf Run Mining Company -

Sentinel Mine

PHL3CHS

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: 20135 Source Name Warder North Impoundment Source start date: 4/1/2014

Source end date: 4/1/2015

Source Lat: 39.192505 Source Long: -80.025198 County Barbour

Max. Daily Purchase (gal)

Total Volume from Source (gal): 8,100,000

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

Source ID: 20136 Source Name Warder South Impoundment Source start date: 4/1/2014
Source end date: 4/1/2015

Source Lat: 39.19097 Source Long: -80.025198 County Barbour

Max. Daily Purchase (gal)

Total Volume from Source (gal): 8,100,000

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-190

PHL3CHS

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: 20137 Source Name Alton 1 Freshwater Impoundment Source start date: 4/1/2014
Source end date: 4/1/2015

Source Lat: 38.794961 Source Long: -80.184542 County Upshur

Max. Daily Purchase (gal)

Total Volume from Source (gal): 8,100,000

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-194

Source ID: 20138 Source Name Alton 2 Freshwater Impoundment Source start date: 4/1/2014
Source end date: 4/1/2015

Source Lat: 38.806146 Source Long: -80.195108 County Upshur

Max. Daily Purchase (gal)

Total Volume from Source (gal): 8,100,000

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-195

PHL3CHS

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.

Recycled Frac Water

Source ID: 20139 Source Name ALT 1 Flowback Pit Source start date: 4/1/2014

Source end date: 4/1/2015

Source Lat: 38.793967 Source Long: 80.183196 County Barbour

Max. Daily Purchase (gal)

Total Volume from Source (gal): 8,100,000

DEP Comments:

Source ID: 20140 Source Name PHL 1 Flowback Pit Source start date: 4/1/2014
Source end date: 4/1/2015

Source Lat: 39.192372 Source Long: -80.018833 County Barbour

Max. Daily Purchase (gal)

Total Volume from Source (gal): 8,100,000

DEP Comments:

PHL3CHS

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: 20141 Source Name PHL1; PHL13; PHL29; PHL4; ALT2; ALT7

Source start date: 4/1/2014

Source end date: 4/1/2015

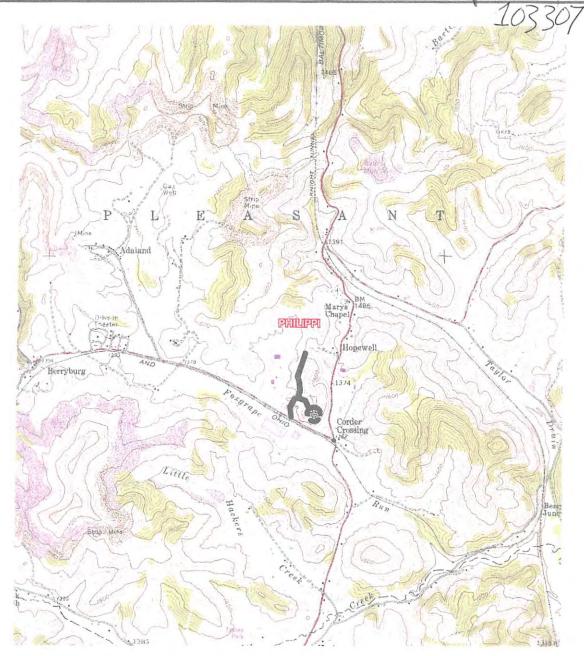
Source Lat: Source Long: County

Max. Daily Purchase (gal)

Total Volume from Source (gal): 8,100,000

DEP Comments:

plat spotted



AMC Count 5-3-13

> Received Office of Oil & Gas

MWA 5 1 5013

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

|--|

CNX GAS COMPANY LLC

P.O. BOX 1248

JANE LEW, WV 26378

WATERSHED: FOXGRAPE RUN

DISTRICT: PLEASANT COUNTY: BARBOUR

QUADRANGLE: PHILIPPI WELL NO.: PHL3CHS

DATE: 03/28/13 PAGE 100 1004 C

