

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

May 27, 2015

WELL WORK PERMIT Horizontal 6A Well

This permit, API Well Number: 47-3305857, 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: KST2BHS

Farm Name: COFFINDAFFER, MARK & ESTE'

API Well Number: 47-3305857

Permit Type: Horizontal 6A Well

Date Issued: 05/27/2015

API Number: 33-05857	Number: 33-05857
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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

- This proposed activity will require permit coverage from the United States Army Corps of Engineers
 (USACE) and WV DEP Department of Water and Waste Management (DWWM). No activity authorized
 under this permit shall be commenced until all necessary permits from USACE and DWWM are obtained.
- 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 moisture content of the fill material shall be within limits as determined by the Standard Proctor Density test of the actual soils used in specific engineered fill, ASTM D698, Standard Test Method for Laboratory Compaction Characteristics of Soil Using Standard Effort, to achieve 95 % compaction of the optimum density. 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.
- 7. 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.
- 8. 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.
- 9. Operator shall provide the Office of Oil & Gas notification of the date that drilling commenced on this well. Such notice shall be provided by sending an email to DEPOOGNotify@wv.gov within 30 days of commencement of drilling.



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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 6A

TO: CNX Gas Company, LLC P.O. Box 1248 Jane Lew, WV 26378

DATE: May 22, 2015 ORDER NO.: 2015-W-5

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 Gas Company" or "Operator"), collectively the "Parties."

FINDINGS OF THE CHIEF

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

- 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 Gas Company is a "person" as defined by W. Va. Code §22-6-1(n), with a corporate address as Post Office Box 1248 Jane Lew, WV 26378.
- On November 6, 2014, CNX Gas Company submitted well work permit applications identified as API#s 47-033-05856, 47-033-05857, 47-033-05858, 47-033-05859, 47-033-05860, 47-033-05861 and 47-033-05862 located on the KST2HS Pad in Union District of Harrison County, West Virginia.
- 4. On May 8, 2015, CNX Gas Company requested a waiver for Wetland #4 outlined in Exhibit 1, from well location restriction requirements in W. Va. Code §22-6A-12(b) for gas well permit applications identified as 47-033-05856, 47-033-05857, 47-033-05858, 47-033-05861 and 47-033-05862 located on the KST2HS Pad in Union District of Harrison 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 "Concomitant 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 well pad 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."

<u>ORDER</u>

Therefore, the Office of Oil and Gas grants CNX Gas Company a waiver for Wetland #4 from well location restriction requirements in W. Va. Code §22-6A-12(b) for gas well permit applications identified as API#s 47-033-05856, 47-033-05857, 47-033-05858, 47-033-05859, 47-033-05860, 47-033-05861 and 47-033-05862 located on the KST2HS Pad in Union District of Harrison County, West Virginia. The Office of Oil and Gas hereby **ORDERS** that CNX Gas Company shall meet the following site construction and operational requirements for the KST1HS 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 as erosion and sediment controlling BMPs;
- c. Wetland #4 shall have a double compost filter sock stack installed adjacent to the wetland;
- 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. Drill cuttings and associated drilling mud 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 22nd day of May, 2015.

IN THE NAME OF THE STATE OF WEST VIRGINIA:

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

By: James A. Martin, Chief

33-05856, 33-05851,33-05858,33-0 33-05860, 33-05861 and API Number_33-05862	Well Number KST2 A, B, C, D, E, F, and Ht.
Operator <u>CNX Gas Company LLC</u>	Pad Name KST-2

Submit a conclusive demonstration to justify the proposed activity by addressing the following:

- 1. Demonstrate that there is not a practical alternative to impact the Waters of the U.S. by including other alternatives that were considered but eliminated.
 - a. Include a No-Action Alternative as to show "the future without the project"

 If the pad is unable to be built there would be no chance to provide the natural gas to market for the citizens of the United States.
 - b. Location Alternatives must be shown

No alternatives exist without adding significant wetland impacts to Wetland 4. The project location has wetlands on two sides of the pad. The proposed location is the only practical, environmentally friendly option.

- c. Must demonstrate why a 100' buffer cannot be maintained

 Wetland 4 is located off of Kincheloe Road and the access road, providing filtration to
 Kincheloe Creek. Wetland 4 will have additional E&S controls to enable the wetland to
 continue to function in its natural way while being protected.
- 2. Show that treatment facilities (Erosion and Sediment Control Features) will be located as close as practical to the source(s) with which it is associated.

The proposed E&S BMPs are located as close as possible to the proposed earthwork area. No additional wetland impacts will result from the additional grading required to construct the pad location.

- 3. Demonstrate that all proposed activity will not impact Waters of the U.S. more than is necessary to accommodate the proper construction and operation of the facility.
 - a. Specify and identify wetlands using unique identification and/or perennial streams located within 100' of the pad's limit of disturbance (including erosion and sediment controls).

Wetland-4, Wetland 4 is within the forest on a steep slope within the forest edge but is primarily Palustrine Emergent (PEM) with an over canopy component of Palustrine Forested (PFO) wetland. The hydrology for this wetland originates primarily from a spring seep and is bolstered by sheet flow from the hillside and supplies water to UNT-KC-S-4. The tree stratum consists of white ash (Fraxinus americana) and red maple (Acer rubrum). The sapling and shrub layer is comprised of invasive multifloral rose (Rosa multiflora). The herbaceous stratum is comprised of green bulrush (Scirpus atrovirens), golden ragwort (Packera aurea), mixed sedges (Carex spp.), deer tongue (Dicanthelium clandestinum) and woodland bittercress (Cardamine flexuosa). The soils are comprised of two distinct layers. Layer one is silt sand from 0-8 inches, with a matrix of 10YR 3/15/129/2015

80% and a redox of 10YR 5/8 at 20%. The second layer is a clay matrix from 8-20 inches with a matrix of 10YR 4/1 at 80% and a redox of 10YR 5/8 at 20%.

b. Is the proposed project the least environmentally damaging practicable alternative to the waters of the United States, so long as the alternative does not have other environmental consequences.

The proposed pad location is located within 100' of Wetland 4. However, the proposed pad location will not be environmentally damaging and is the only practical location.

- 4. Provide mapping, plans, specifications and design analysis for the preferred alternative to the project.
 - Specify in writing what additional controls, measures, devices, monitoring, etc will be utilized to protect these wetlands and/or perennial streams.

Below are a list of BMPs that may be utilized to protect adjacent wetlands.

ROCK CONSTRUCTION ENTRANCE

A rock construction entrance will be provided at the location shown on the plans and in accordance with the standard detail provided in the Erosion and Sediment Control Plan. This measure proves effective removing sediment from vehicles before entering onto State, and county roads. The rock construction entrance thickness shall be constantly maintained to the specified dimensions by adding rock. A stockpile shall be maintained onsite for this purpose. At the end of each construction day, all sediment deposited on paved roadways shall be removed and returned to the construction site. If the crushed stone does not adequately remove sediment from vehicle tires, the tires should be hosed off before the vehicle enters a public street. The washings should be done on an area covered with crushed stone, and the water wash should drain to a sediment control device.

DIVERSION DITCHES

A channel will be used to convey storm water runoff in a stable manner from the pad site construction area. The channel will be lined with erosion control matting to help keep seed in place once final grades are established. Channels shall be inspected twice a month until a uniform 70% perennial vegetative cover is established. Any damage to the channel or erosion control blanket shall be fixed immediately. The contractor is to place seed on all bare spots and areas not establishing ground cover.

ROCK CHECK DAMS

Rock check dams are to be installed in each channel to reduce the velocity of storm water flows, thereby reducing erosion of the channel and trapping sediment. Rock check dams are to be installed every 100 linear feet in any channel conveying sediment laden runoff. Inspect each check dam at a minimum once every seven (7) calendar days and within 24 hours after and storm event greater than 0.5 inches of rain per 24 hour period. Check to see if water has flowed around the edges of the structure. Replace stone and repair dams as necessary to maintain the correct height and configuration.

RIP RAP OUTLET PROTECTION

Rock Aprons will be used at storm sewer outfalls to dissipate the velocity coming from storm pipes, helping prevent erosion/scour of existing drainage ways and features.

The rock aprons shall be inspected weekly until a uniform 70% perennial vegetation has established. Any visible damage shall be fixed by the end of the working day by placing additional riprap in the damaged area with a layer of geotextile. Place additional stone as necessary to prevent further erosion.

05/29/2015

COMPOST FILTER SOCK

Silt sock shall be installed in the locations shown on the plans and in accordance with the standard detail provided in the ESCP. Accumulated sediments shall be removed in all cases where accumulations have reached half the above ground height of the sock. If the sock has been damaged, it shall be repaired or replaced if beyond repair. The filter media will be dispersed on site once the disturbed area has been permanently stabilized. Adhere to manufacturer's recommendations.

EROSION CONTROL MATTING

The specified products or approved equivalent erosion control matting will be installed within all permanent channels and on all slopes 3:1 or greater. The erosion control matting shall be inspected weekly and after every rainfall event to look for scour/washout areas. Any scoured areas shall be fixed immediately by compacting soil in the washout area and placing seed. Any damaged erosion control matting shall be replaced immediately. Matting shall be maintained until a uniform 70% perennial vegetation has been established.

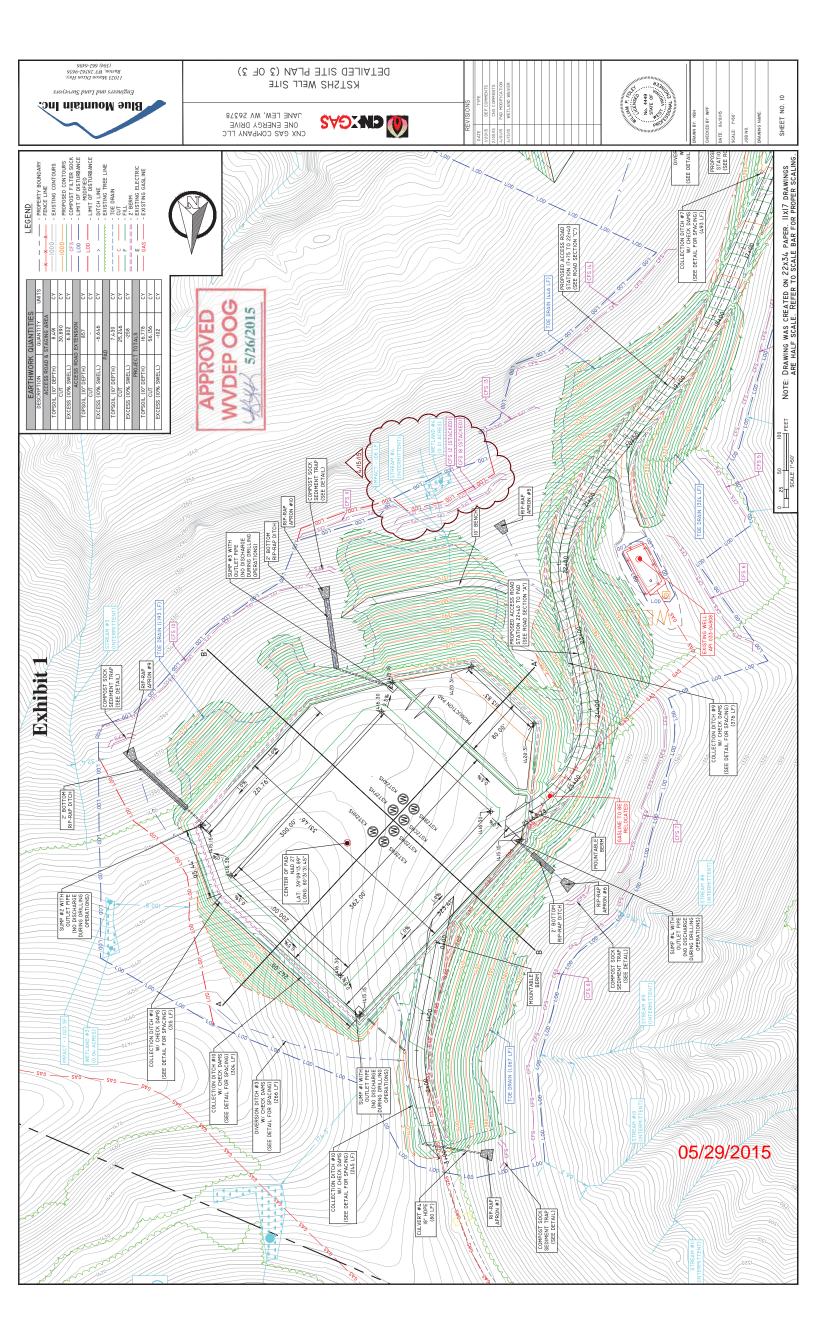
TEMPORARY VEGETATIVE STABALIZATION

Fertilizing, seeding, and mulching will be used as a temporary E&S control measure on all disturbed areas as needed. Exposed soils not subject to construction traffic shall not remain unseeded or covered by mulch for more than twenty-one (21) days, including stockpiled soil materials. Refer to the seeding mixtures provided on the erosion and sedimentation control general notes drawing of the Erosion and Sediment Control Plan for temporary seed mixtures.

The contractor shall vegetate all disturbed areas at the earliest appropriate times for establishment of temporary or permanent seed mixtures, respectively. When site development staging or season will not permit timely sowing of the permanent seed mixture(s), prepare soils as for permanent seeding, seed with temporary seed mixture and mulch, and then over-sow the perennial seed mixture into the stubble of temporary vegetation at the next appropriate seeding season.

PERMANENT VEGETATIVE STABALIZATION

Fertilizing, seeding, and mulching will be used as a permanent E&S control measure on all disturbed areas. Refer to the permanent seed mixture provided on the erosion and sediment control plan's general notes drawing. The contractor shall inspect the site twice a week until a 70% perennial vegetative cover is established. The contractor is to place seed on all bare spots and disturbed areas not establishing ground cover.



WW-6B (10/14)

API NO. 47		
OPERATOR WELL	NO.	KST2BHS
Well Pad Name:	KST2H	IS

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

1) Well Operato	or: CNX Ga	s Compan	y LLC	494458046	Harrison	Union	Big Isaac
				Operator ID	County	District	Quadrangle
2) Operator's W	Vell Number:	KST2BHS	,	Well Pad	Name: KST2	HS	
3) Farm Name/	Surface Own	er: Mark J.	Coffinda	ffer Public Road	d Access: Co.	Rt. 10/10	
4) Elevation, cu	rrent ground:	1416.3	Ele	evation, proposed p	oost-construction	on: 1416	
5) Well Type	(a) Gas \geq Other	(_ Oil	Unde	rground Storag	ge	
	(b)If Gas	Shallow	X	Deep			
6) Existing Pad		Horizontal NO	<u>X</u>				
•	_	• • •	• • •	pated Thickness ares - 4		Pressure(s):	:
8) Proposed To		epth: 744					
9) Formation at	Total Vertica	al Depth:	Onondag	а			
10) Proposed T	otal Measure	d Depth:	16228				
11) Proposed H	orizontal Leg	Length:	7345				
12) Approxima	te Fresh Wate	er Strata Dej	pths:	501',813'			
13) Method to I	Determine Fre	esh Water D	epths:	Offset Well Inform	ation		
14) Approxima	te Saltwater I	Depths: 20	45', 2338'	', 2848'			
15) Approxima	te Coal Seam	Depths: 5	01'				
16) Approxima	te Depth to Pe	ossible Void	d (coal mi	ne, karst, other):	None Anticipat	ted	
17) Does Propo directly overlyi				ns Yes	No	X	
(a) If Yes, pro	vide Mine In	fo: Name:					
		Depth					
		Seam:	•				
		Owner					

WW-6B (9/13)

18)

CASING AND TUBING PROGRAM

TYPE	Size	New or Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling	INTERVALS: Left in Well	CEMENT: Fill-up (Cu. Ft.)
Conductor	20"	N	J-55	94#	100'	100'	Grout to surface w/ Class A type cement
Fresh Water	13 3/8"	N	J-55	54.5#	850'	850'	CTS w/ Class A Type Cement
Coal							
Intermediate	9 5/8"	N	J-55	36#	2900'	2900'	CTS w/ Class A Type Cement
Production	5 1/2"	N	P-110	20#	16228'	16228'	2200 cu. ft. w/ 50/50 POZ Lead & Classed
Tubing	2 3/8"	N	J-55	4.7#	7700'	7700'	-
Liners							

5Dev 10/8/2014

TOX ZIDED	10.	777 111	TT 2 11	I D . D	10/0/2014	
TYPE	Size	Wellbore Diameter	Wall Thickness	Burst Pressure	Cement Type	Cement Yield (cu. ft./k)
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 1/4"	0.352	3520	Class A Type	1.18
Production	5 1/2"	8 3/4" & 8 1/2"	0.361	14,360	Class A Type	1.26
Tubing	2 3/8"	5 1/2" Csg	0.190	7700		
Liners						

PACKERS

Kind:	None	
Sizes:	None	
Depths Set:	None	

Received Office of Oil & Gas NOV 06 2014

WW-6B
(10/14)

API NO. 47	
OPERATOR WELL NO. KST2	3HS
Well Pad Name: KST2HS	

19) Describe proposed well work, including the drilling and plugging back of any pilot hole:

Drill and stimulate new horizontal Marcellus well. Well to be drilled to a TMD of 16228'. Well to be drilled to a TVD of 7440', formation at TVD - Onondaga. Well will be plugged back to an approximate depth of 6800' (approximate due to exact kick off point being unknown). Plugging back will be done using the displacement method and Class A Type cement. A solid cement plug will be set from TD to KOP. If an unexpected void is encountered, plan will be to set casing at a minimum of 30' past void and cement to surface with approved Class A type cement. There will not be any production, perforation, or stimulation of any formations below the target formation.

20) Describe fracturing/stimulating methods in detail, including anticipated max pressure and max rate:

The stimulation will be multiple stages divided over the lateral length of the well. Stage spacing is dependent upon engineering design. Slickwater fracturing technique will be utilized on each stage using sand, water, and chemicals.

Max Pressure - 9500 psi. Max Rate - 100 bbl/min.

- 21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 27.6
- 22) Area to be disturbed for well pad only, less access road (acres): 9.77
- 23) Describe centralizer placement for each casing string:

Conductor - No centralizers used.

Surface - Rigid Bow spring centralizers on first joint then every third joint to surface.

Intermediate - Rigid Bow spring centralizers one on the first two joints and every third joint to surface.

Production - Rigid bow spring centralizer on first joint then every casing joint (free floating) through the lateral and every other joint in the curve. (Note: cementing the 5 1/2" casing completely in open hole lateral and curve.)

24) Describe all cement additives associated with each cement type:

Conductor - 2% CaCl2.

Surface - 3% CaCl2 & 1#/sk Celloflake LCM.

Intermediate - 3% CaCl2 & 0.5#/sk Celloflake LCM.

Production - 2.6% Cement extender, 0.7% Fluid loss additive, 0.5% High Temperature Retarder, 0.2% Friction Reducer

25) Proposed borehole conditioning procedures:

Conductor - The hole is auger drilled w/ air and casing ran in air.

Surface - The hole is drilled w/ air and casing is ran in air. Once casing is on bottom, the casing string will be circulated w/ fresh water prior to cementing.

Intermediate - The hole is drilled w/ air and casing is ran in air. (Note: Drilling soap may be utilized if the hole gets wet/damp during the drilling of all air holes with the exception of the conductor).

Production - The hole will be drilled with synthetic oil base mud. At TD the hole is circulated at optimum pump rate until shale shaker deem the hole is clean. Once casing is ran the hole is circulated for a minimum of one hole volume prior to pumping cement.

^{*}Note: Attach additional sheets as needed.

4703305857

Cement Additives

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

Received
Office of Oil & Gas

NOV 06 2014

WW-9 (9/13)

API Number 47 -	033	£"
Operator's	Well No.	KST2BHS

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name_CNX Gas Com	pany LLC	OP Code 494458046
Watershed (HUC 10) Middle	West Fork Creek Q	uadrangle Big Isaac
Elevation 1416.3	County_Harrison	District Union
Do you anticipate using more Will a pit be used? Yes	than 5,000 bbls of water to complete the	proposed well work? Yes V No No
If so, please describe	anticipated pit waste:	
Will a synthetic liner	be used in the pit? Yes No _	✓ If so, what ml.? N/A
Proposed Disposal M	lethod For Treated Pit Wastes:	Shu
Une	nd Application derground Injection (UIC Permit Numb use (at API Number Site Disposal (Supply form WW-9 for o)
Oth	ner (Explain Recycle on other well on sam	ne pad or adjacent pads.
Drilling medium anticipated for -If oil based, what type	or this well (vertical and horizontal)? Air	
Additives to be used in drilling	g medium? Bactericide, Polymers and Weighti	ing Agents
Drill cuttings disposal method	? Leave in pit, landfill, removed offsite,	etc. Landfill
-If left in pit and plan	to solidify what medium will be used?	(cement, lime, sawdust) N/A
		n Landfill and Max Environmental Yukon Landfill & Bulger Landfill
on August 1, 2005, by the Offi provisions of the permit are en law or regulation can lead to en I certify under penal application form and all atta obtaining the information, I be	ice of Oil and Gas of the West Virginia I inforceable by law. Violations of any tenforcement action. ty of law that I have personally examination of the comments thereto and that, based on m	ns of the GENERAL WATER POLLUTION PERMIT issue Department of Environmental Protection. I understand that the orm or condition of the general permit and/or other applicable and am familiar with the information submitted on the yinquiry of those individuals immediately responsible formate, and complete. I am aware that there are signification or imprisonment.
Company Official Signature	Land, Edd.	Received
Company Official Signature_ Company Official (Typed Nar	Matthew Imrich	Office of Oil & Ga
	nated Agent - District Operations Superinte	endent WV Gas Operations NOV 0 6 2014
Company Official Title_Boos	T21	Tashi, III da operateno
Subscribed and sworn before n	ne this day of UCH	OFFICIAL SEAL NOTARY PUBLIC STATE OF WEST VIRGINIA CAROLINDA FLANAGAN PO Box 623 Lumbarpar My 85388

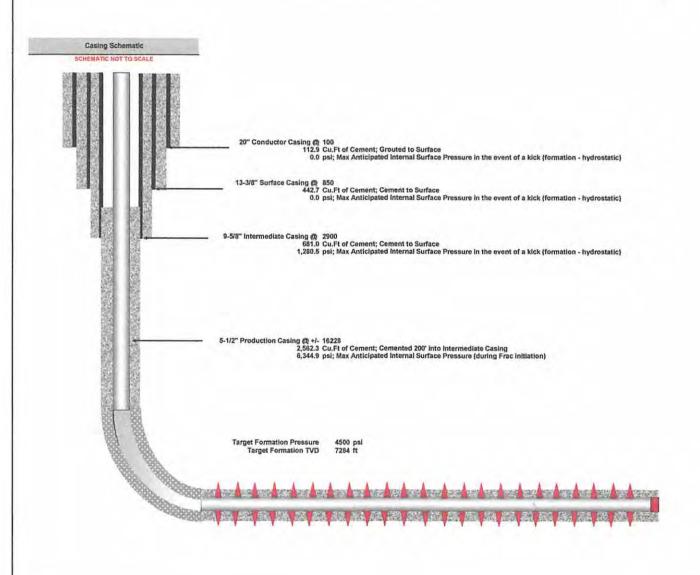
Form WW-9

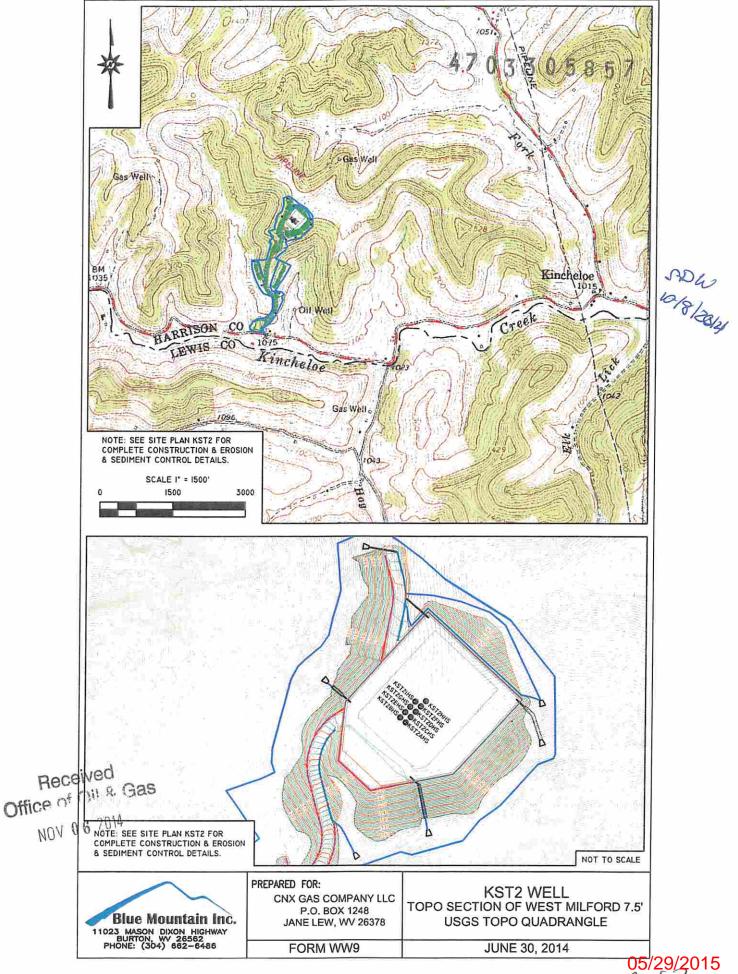
Operator's Well No. KST2BHS

Proposed Revegetation Treatm	nent: Acres Disturbed 27.	.6 Prevegetation pH	6.5
according to pH t	test	7.0	ST.
Lime 10-20	Tons/acre or to correct to requivalent	юрн	
Fertilizer type			
Fertilizer amount 50		lbs/acre	
{Mulch} hay or st	Taw @ 2	ons/acre	
		Seed Mixtures	
Ten	porary	Perman	ent
Seed Type	lbs/acre	Seed Type	lbs/acre
Orchard Grass	25	Orchard Grass	25
Birdsfoot Trefoil	15	Birdsfoot Trefoil	15
Ladino Clover	10	Ladino Clover	10
Attach: Drawing(s) of road, location, porovided) Photocopied section of involve		d application (unless engineered plans incl	uding this info have been
Drawing(s) of road, location, porovided) Photocopied section of involve Plan Approved by: Comments: Poe-Seed/a	ed 7.5' topographic sheet.	Hed greas as Sonn a	e reesonably
Drawing(s) of road, location, porovided) Photocopied section of involve Plan Approved by: Comments: Poe-Seed/a	ed 7.5' topographic sheet.	4	e reesonably
Drawing(s) of road, location, porovided) Photocopied section of involve Plan Approved by: Comments: Poe-Seed/a	ed 7.5' topographic sheet.	Hed greas as Sonn a	Der WV Received
Drawing(s) of road, location, porovided) Photocopied section of involve Plan Approved by: Comments: Poe-Seed/a	ed 7.5' topographic sheet.	Hed greas as Sonn a	perwv
Drawing(s) of road, location, porovided) Photocopied section of involve Plan Approved by: Comments: Pre-Seed/a DEP EdS Man	ed 7.5' topographic sheet. I D Ward unlich all distur	Hed greas as Sonn a	Received



KST2BHS







Ph: (304) 662-6486 | Fax: (304) 662-6501

June 26, 2014

CNX GAS COMPANY P.O. BOX 1248 JANE LEW, WV 26378

WATER WELL REPORT

PROJECT:

KST2

DISTRICT:

BIG ISAAC

COUNTY:

Harrison

STATE:

West Virginia

The following surface owners may have water supplies within 2,000 feet of the above location:

NAME

ADDRESS

CITY, STATE, ZIP

None

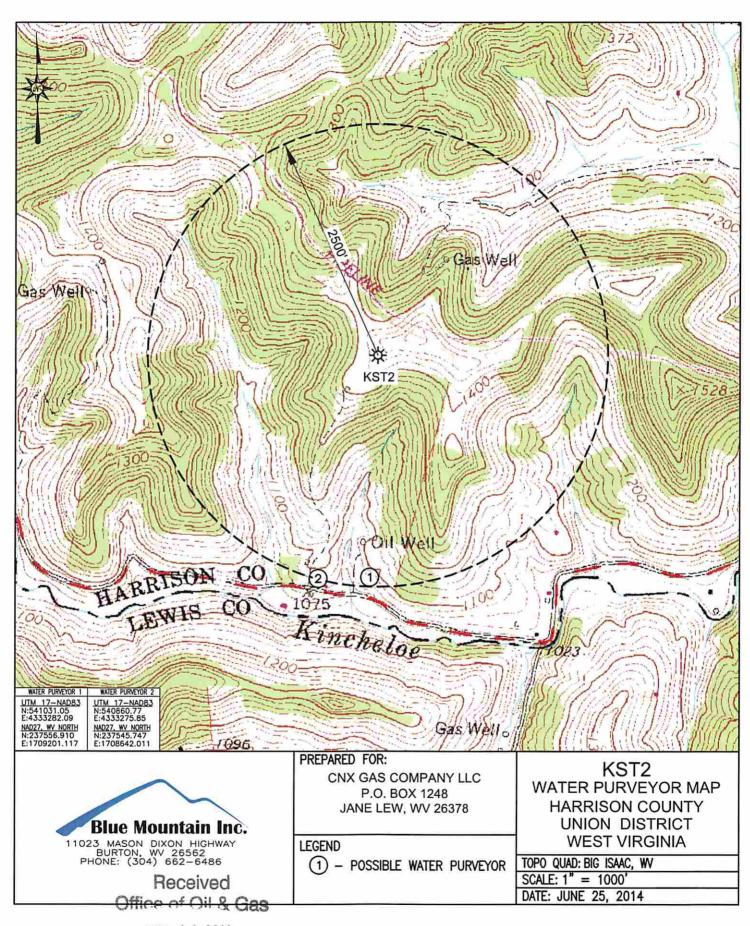
The following surface owners may have water supplies within 2,500 feet of the above location:

NAME	ADDRESS	CITY, STATE, ZIP	
1) Barbara Dawson	11 Morris CT	Culloden, WV 25510	
Mark J. Coffindaffer & Diana Coffindaffer-Esteve	RR 1 Box 176	Lost Creek, WV 26385	

4703305857

KST2HS - Surface Owners Within a 1 Mile Radius

COUNTY	OWNER OWNER		ADDRESS	BUONE
HARRISON	BAKER LOU ANN	39801 STATE ROUTE 39	WELLSVILLE OH 43968 8726	PHONE
HARRISON	BALDWIN SHERRY DARLENE ETAL	RR 2 BOX 96	JANE LEW WV 26378 9407	N/A
HARRISON	BEEVERS ERIC B & KATHY A	RR 2 BOX 105	JANE LEW WV 26378 9410	N/A
HARRISON	BURNSIDE LEAH V	RR 2 BOX 126	JANE LEW WV 26378 9410	304-884-6873
HARRISON	CARPENTER AARON & TAMMY	RR 2 BOX 105 A	JANE LEW WV 26378 9412	N/A
HARRISON	COFFINDAFFER BETTY A	RR 2-BOX 167	JANE LEW WV 26378 9410	N/A
HARRISON	COFFINDAFFER LELAH J	PO BOX 641	MILTON WV 25541 0641	304-884-7734
HARRISON	COFFINDAFFER MARK J & DIANA COFFINDAFFER ESTEVE	RR 1 BOX 176	LOST CREEK WV 26385 9737	N/A
HARRISON	COFFINDAFFER WILLIAM L & SANDRA L	RR 2 BOX 99	JANE LEW WV 26378 9409	304-745-3192
HARRISON	CURREY RUSSELL L	104 E MAIN ST		304-884-7324
HARRISON	DAVIS MICHAEL A & BARBARA J	RR 2 BOX 165	MIDDLETOWN MD 21769 7931	301-371-9198
HARRISON	GANDEE RICHARD E & PATRICIA J	RR 2 BOX 114	JANE LEW WV 26378 9418	304-884-7473
HARRISON	GOETZ-HADDAD ALBERT	58 WYANDANCH BLVD	JANE LEW WV 26378 9411	N/A
HARRISON	GOUGH JOYCE E	RR 2 BOX 104	COMMACK LONG ISLAND NY 11725	N/A
	GRIFFITH JEFFREY P & ANESSA E	PO BOX 74	JANE LEW WV 26378 9801	304-884-8206
	KAREN & J C HAYHURST	RR 2 BOX 126	JANE LEW WV 26378 0074	304-884-8004
HARRISON	LANE JIMMIE L & ANN E	RR 2 BOX 106	JANE LEW WV 26378 9412	(304) 884-8868
	LOUGH ROBERTA J & FRANCIS J	RR 2 BOX 106	JANE LEW WV 26378 9410	N/A
	MIKE ROSS INC	PO BOX 219	JANE LEW WV 26378 9412	304-884-7151
	PAUGH ROBERT J & ETHEL R	RR 2 BOX 107	COALTON WV 26257 0219	304-472-9611
	PERKINS STEPHEN JUSTIN & FREDA PAULINE	RR 2 BOX 107	JANE LEW WV 26378 9410	N/A
	ROSS JODY & DAWN R PRICE	RR 2 BOX 97	JANE LEW WV 26378 9421	304-884-7455
	SHORT MARY JO 1/2 INT & LOU ANN BAKER	RR 1 BOX 156	JANE LEW WV 26378 9408	N/A
	STUTLER RANDALL N & MICHELLE D		LOST CREEK WV 26385 9735	304-745-4548
	TITUS DEWAIN JR	PO BOX 732	JANE LEW WV 26378 0732	304-884-8104
	TRICOT MICHAEL T & MARGARET J & WANDA B COFFIDAFFER	1856 SAMS CREEK RD	MINERAL WELLS WV 26150 6134	304-991-3037
HARRISON	TRUSTEES PLEASANT HILL ME CHURCH	135 EUCLID AVE RR 2	CLARKSBURG WV 26301 4001	304-622-6678
HARRISON	WINSKI JAMES P		JANE LEW WV 26378 9999	304-745-5195
LEWIS	BURNSIDE LELA GRACE	RR 2 BOX 117	JANE LEW WV 26378 9411	304-884-6958
LEWIS	BURNSIDE ROBERT GENE	58 HIDDEN COVE	JANE LEW WV 26378	N/A
LEWIS	BURROWS EARL G JR	RT 2 BOX 126	JANE LEW WV 26378	N/A
LEWIS	BURROWS RANDALL B SR	RT 3 BOX 505	LOST CREEK WV 26385	N/A
LEWIS	CARDER ERNEST E & EILEEN	P O BOX 468	ANMOORE WV 26323	304-626-3674
LEWIS	CHADWICK RUTH V	RT 2 BOX 103C	JANE LEW WV 26378	N/A
LEWIS	CLEMANS ARNETT MORRIS & JANICE	1109 CHISWELL LANE	SILVER SPRINGS MD 20907	301-593-3990
LEWIS	GOULD MATTHEW C & SHANA L	5870 US HWY 19N	JANE LEW WV 26378	N/A
LEWIS	GRIFFITH MANNIE R & DORIS A	5085 KINCHELOE RD	JANE LEW WV 26378	304-884-8802
	PAUGH EDWARD R & THERESA M	104 daniel street	MARTINSBURG WV 25401	N/A
LEWIS	ROLES SIDNEY D	248 HOG CAMP RD	JANE LEW WV 26378	(304) 884-7268
CE 4413	MOLES SIDIRET D	2947 LEFT MILLSTONE RD	JANE LEW WV 26378	304-884-6952



Blue Mountain Inc.

11023 Mason Dixon Hwy | Burton, WV 26562 Ph: (304) 662-6486 | Fax: (304) 662-6501

June 26, 2014

CNX GAS COMPANY P.O. BOX 1248 JANE LEW, WV 26378

WATER WELL REPORT

PROJECT:

KST2

DISTRICT:

BIG ISAAC

COUNTY:

Harrison

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West Virginia

The following surface owners may have water supplies within 2,000 feet of the above location:

NAME

ADDRESS

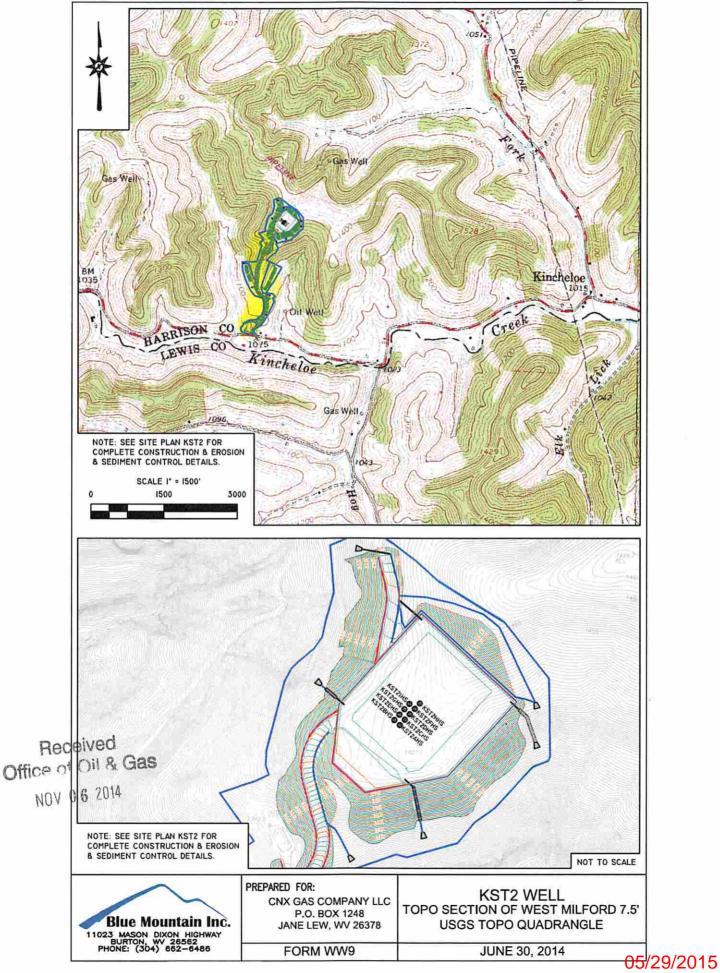
CITY, STATE, ZIP

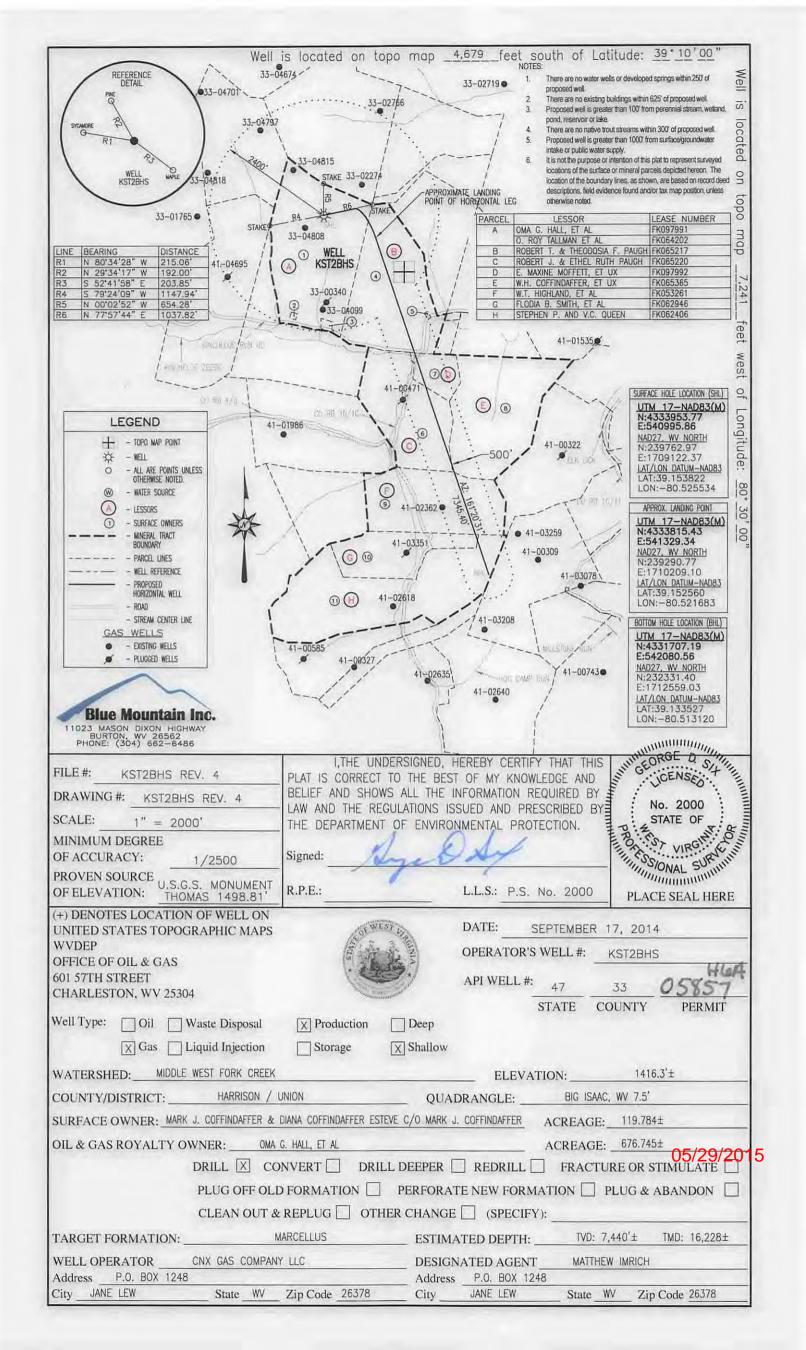
None

The following surface owners may have water supplies within 2,500 feet of the above location:

NAME	ADDRESS	CITY, STATE, ZIP
1) Barbara Dawson	11 Morris CT	Culloden, WV 25510
Mark J. Coffindaffer & Diana Coffindaffer-Esteve	RR 1 Box 176	Lost Creek, WV 26385

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Office of Oil & Gas
NOV 06 2014





KST2BHS PAGE 2 OF 2

	SURFACE OWNER	DIST-TM/PAR
1	MARK J. COFFINDAFFER & DIANA COFFINDAFFER ESTEVE C/O MARK J. COFFINDAFFER	20-442/8
2	PLEASANT HILL ME CHURCH TRUSTEES	20-442/8.2
	BARBARA DAWSON & MISHA LEA MCDONNIE	20-442/8.1
4	ROBERT J. & ETHEL R. PAUGH (LE)	20-442/9
5	JIMMIE L. & ANN E. LANE	20-442/9.1
6	EDWARD R. & THERESA M. PAUGH	3-6B/2
7	EDWARD R. & THERESA M. PAUGH	3-6B/1
8	ERIC B. & KATHY A. BEEVERS	3-6B/3
9	BRUCE GARRETT ET AL	3-6B/4
	EDWARD EARL GARRETT	
10	NORMA OLIVE BELL & BILLIE L. MCKINNEY	3-5B/41
11	BRUCE GARRETT	3-6B/5
	EDWARD EARL GARRETT	
	JAMES C. GARRETT ET AL	

47-033-05857 HUA

SURFACE HOLE LOCATION (SHL)

UTM 17-NAD83(M) N:4333953.77 E:540995.86

E:340993.60 NAD27, WV NORTH N:239762.97 E:1709122.37 LAT/LON DATUM-NAD83 LAT:39:153822 LON:-80,525534

APPROX. LANDING POINT

APPROX. LANDING FOINT

UTM 17—NADB3(M)
N:4333815.43
E:541329.34
NAD27, WV NORTH
N:239290.77
E:1710209.10
LAT/LON DATUM—NADB3
LAT:39.152560
LON:—80.521683

BOTTOM HOLE LOCATION (BHL)

UTM 17-NAD83(M) N:4331707.19 E:542080.56 NAD27, WV NORTH N:232331.40 E:1712559.03 LAT/LON DATUM-NAD83 LAT:39.133527 LON:-80.513120

05/29/2015



WW-6A1 (5/13)

Operator's	Well	No. KST2BHS
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INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE Chapter 22, Article 6A, Section 5(a)(5) IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that –

- (1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

ranioer	Grantor, Ecssor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
Number	Grantor, Lessor, etc.	Grantos I sagas etc	D	
Lease Name or				

See Attached

Acknowledgement of Possible Permitting/Approval In Addition to the Office of Oil and Gas

The permit applicant for the proposed well work addressed in this application hereby acknowledges the possibility of the need for permits and/or approvals from local, state, or federal entities in addition to the DEP, Office of Oil and Gas, including but not limited to the following:

- WV Division of Water and Waste Management
- WV Division of Natural Resources WV Division of Highways
- U.S. Army Corps of Engineers
- · U.S. Fish and Wildlife Service
- County Floodplain Coordinator

The applicant further acknowledges that any Office of Oil and Gas permit in no way overrides, replaces, or nullifies the need for other permits/approvals that may be necessary and further affirms that all needed permits/approvals should be acquired from the appropriate authority before the affected activity is initiated.

Well Operator:	CNX Gas Company LLC		
By:	Matthew Imrich Relly Eddy		
Its:	Designated Agent - District Operations Superintendent, WV Gas Operations		

Received
Office of Oil & Gas

N W 06 2014

Page 1 of _____

Attachment - Form WW-6A-1 for KST2BHS:

Consolidated Gas Supply Corporation

CNG Transmission Corporation

Dominion Transmission, Inc.

Consolidated Gas Transmission Corporation

Attaciiii	eur - Loum MAM-PM-T tol K215BH	S:		
Lease	Grantor, Lessor, etc	Grantee, Lessee, etc	Davida.	
FK064202	O. Roy Taliman, et al	Hope Natural Gas Company	Royalty	Book/Page
	Hope Natural Gas Company	Consolidated Gas Supply Corporation	1/8	723/400
	Consolidated Gas Supply Corporation	Consolidated Gas Transmission Corporation	Merger/name change	903/179
	Consolidated Gas Transmission Corporation	CNG Transmission Corporation	Assignment	1136/250
	CNG Transmission Corporation	Dominion Transmission, Inc.	Merger/name change	51/795
	Dominion Transmission, Inc.	CNX Gas Company, LLC	Merger/name change	58/362
			Farmout Agreement	1522/33
<u>Lease</u>	Grantor, Lessor, etc	Grantee, Lessee, etc	Danielte.	
FK097991	Oma G. Hail, et al	Consolidated Gas Supply Corporation	Royalty	Book/Page
	Consolidated Gas Supply Corporation	Consolidated Gas Transmission Corporation	1/8	1032/683
	Consolidated Gas Transmission Corporation	CNG Development Company	Assignment	1135/250
	CNG Development Company	Consolidated Gas Transmission Corporation	Assignment Assignment	1143/921
	Consolidated Gas Transmission Corporation	CNG Transmission Corporation	Merger/name change	1169/820
	CNG Transmission Corporation	Dominion Transmission, Inc.	Merger/name change	51/795
	Dominion Transmission, Inc.	CNX Gas Company, LLC	Farmout Agreement	58/362 1522/33
<u>Lease</u> FK065217	Grantor, Lessor, etc Robert T. Paugh and Theodosia FPaugh, H/W	Grantee, Lessee, etc Hope Natural Gas Company	Royalty	Book/Page
	Hope Natural Gas Company	Consolidated Gas Supply Corporation	1/8	740/31
	Consolidated Gas Supply Corporation	Consolidated Gas Supply Corporation Consolidated Gas Transmission Corporation	Merger/name change	903/179
	Consolidated Gas Transmission Corporation	CNG Transmission Corporation	Assignment	1136/250
	CNG Transmission Corporation	Dominion Transmission, Inc.	Merger/name change	51/795
	Dominion Transmission, Inc.		Merger/name change	58/362
		CNX Gas Company, LLC	Farmout Agreement	1522/33
Lease	6			
FK097992	Grantor, Lessor, etc E. Maxine Moffett, et ux	Grantee, Lessee, etc Consolidated Gas Supply Corporation	Royalty	Book/Page
	CNG Producing Company		1/8	346/734
	Consolidated Gas Supply Corporation	CNG Development Company	Assignment	420/408
	Consolidated Gas Transmission Corporation	Consolidated Gas Transmission Corporation	Assignment	425/127
	CNG Development Company	CNG Development Company	Assignment	432/633
	Consolidated Gas Transmission Corporation	Consolidated Gas Transmission Corporation	Assignment	453/ 69 6
	CNG Transmission Corporation	CNG Transmission Corporation	Merger/name change	VV. Sec. of State Website
	CNG Producing Company	Dominion Transmission, Inc.	Merger/name change	VV. Sec. of State Website
	Dominion Transmission, Inc.	Dominion Exploration and Production	Merger/name change	VV. Sec. of State Website
		CNX Gas Company, LLC	Farmout Agreement	672/154
Lease	Grantor, Lessor, etc	Grantee, Lessee, etc		
FK065220	Robert J. Paugh and Ethel Ruth Paugh, H/W	Hope Natural Gas Company	Royalty	Book/Page
	Hope Natural Gas Company	Consolidated Gas Supply Corporation	1/8	227/302
	Consolidated Gas Supply Corporation	Consolidated Gas Transmission Corporation	Merger/name change	294/89
	Consolidated Gas Transmission Corporation	CNG Transmission Corporation	Assignment	425/127
	CNG Transmission Corporation	Dominion Transmission, Inc.	Merger/name change	VV. Sec. of State Website
	Dominion Transmission, Inc.	CNX Gas Company, LLC	Merger/name change Farmout Agreement	VV. Sec. of State Website 672/154
			4	0/2/254
<u>Lease</u> FK065365	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
* K003303	W.H. Coffindaffer, et ux Hope Natural Gas Company	Hope Natural Gas Company	1/8	743/273
		Consolidated Gas Supply Corporation	Merger/name change	903/179
	Consolidated Gas Supply Corporation	Consolidated Gas Transmission Corporation	Assignment	1136/250
	Consolidated Gas Supply Corporation	Consolidated Gas Transmission Corporation	Assignment	425/127
	Consolidated Gas Transmission Corporation	CNG Transmission Corporation	Merger/name change	51/795
	CNG Transmission Corporation	Dominion Transmission, Inc.	Merger/name change	58/362
	Dominion Transmission, Inc.	CNX Gas Company, LLC	Farmout Agreement	1522/33
lassa	Constru			
<u>Lease</u> FK053261	Grantor, Lessor, etc W.T. Highland, et al	Grantee, Lessee, etc	Royalty	Book/Page
***************************************	Reserve Gas Company	Reserve Gas Company	1/8	65/335
	Hope Natural Gas Company	Hope Natural Gas Company	Assignment	155/202
	Consolidated Gas Supply Corporation	Consolidated Gas Supply Corporation	Merger/name change	294/89
	Consolidated Gas Transmission Corporation	Consolidated Gas Transmission Corporation	Assignment	425/127
	CNG Transmission Corporation	CNG Transmission Corporation Dominion Transmission, Inc.	Merger/name change	VV. Sec. of State Website
	Dominion Transmission, Inc.	CNX Gas Company, LLC	Merger/name change	VV. Sec. of State Website
	,	CHA GES COMPANY, LLC	Farmout Agreement	672/154
<u>Lease</u>	Grantor, Lessor, etc	Grantee, Lessee, etc	No. ob	
FK062946	Flodia B. Smith, et al	Hope Natural Gas Company	Royalty	Book/Page
	Hope Natural Gas Company	Consolidated Gas Supply Corporation	1/8	216/317
	Consolidated Gas Supply Corporation	Consolidated Gas Transmission Corporation	Merger/name change	294/89
	Consolidated Gas Transmission Corporation	CNG Transmission Corporation	Assignment	425/127
	CNG Transmission Corporation	Dominion Transmission, Inc.	Merger/name change	VV. Sec. of State Website
	Dominion Transmission, Inc.	CNX Gas Company, LLC	Merger/name change Farmout Agreement	VV. Sec. of State Website 672/154
				-
<u>Leaso</u> FK062406	Grantor, Lessor, etc Stephen P. Queen and V.C. Queen, H/W	Grantee, Lessee, etc	Royalty	Book/Page
	Reserve Gas Company	Reserve Gas Company	1/8	68/297
	Hope Natural Gas Company	Hope Natural Gas Company	Assignment	155/202
	Consolidated Gas Supply Corporation	Consolidated Gas Supply Corporation	Merger/name change	294/89

NOV 06 2014

Office of Oil & Gas

CNG Transmission Corporation

Dominion Transmission, Inc.

Consolidated Gas Transmission Corporation

CNX Gas Company Received

425/127

VV. Sec. of State Website

VV. Sec. of State Website

672/154

Assignment

Merger/name change

Merger/name change Farmout Agreement

4703305857



September 25, 2014

Ms. Laura Cooper WV DEP Office of Oil & Gas 601 57th St., SE Charleston, WV 25304

RE: CONSOL Energy's proposed KST2BHS Well, in Harrison County, West Virginia
Drilling Under County Route 35 Kincheloe Road and County Route 10/10

Dear Ms. Cooper:

CONSOL Energy, Inc. (CNX) is applying for a drilling permit for the above referenced well. The State of West Virginia has raised some concern as to CNX's right to drill under County Route 35 Kincheloe Road, and County Route 10/10. Please be advised that according to the title information we have relied on in submitting this application, the State owns no oil and gas rights under said road(s) and/or railroad(s) that CNX has leased said rights from the appropriate parties as set forth on the accompanying Form WW-6A1.

Very truly yours,

Kelly Eddy

Permitting Supervisor CONSOL Energy, Inc.

Office of Oil & Gas

Received

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

Date of Notic	ce Certification: 10/10/2014	API No. 47-	033 -	
	·	Operator's \	Well No. KST2	2BHS
		Well Pad Na	ame: KST2HS	3
Notice has I				
	tract of land as follows:	22-6A, the Operator has provided the requ	iired parties v	vith the Notice Forms listed
State:	West Virginia		540,995.86m	
County:	Harrison	Northing:	4,333,953.77m	
District:	Union		CR 35, Kincheloe	Road
Quadrangle:	Big Isaac	Generally used farm name:	Coffidaffer	
Watershed:	Middle West Fork Creek			
it has provide information reduirements of giving the requirements Virginia Code	ed the owners of the surface described equired by subsections (b) and (c), see surface owner notice of entry to surface of subsection (b), section sixteen of	hall contain the following information: (14) bed in subdivisions (1), (2) and (4), subsection sixteen of this article; (ii) that the required pursuant to subsection (a), section tef this article were waived in writing by the the proof of and certify to the secretary that.	ection (b), secuirement was on of this artine surface ov	ction ten of this article, the deemed satisfied as a result cle six-a; or (iii) the notice wner; and Pursuant to West
that the Ope	West Virginia Code § 22-6A, the Operator has properly served the require ECK ALL THAT APPLY	erator has attached proof to this Notice Ced d parties with the following:	rtification	OOGOFFICE USE ONLY
☐ 1. NO?	TICE OF SEISMIC ACTIVITY or	■ NOTICE NOT REQUIRED BECAUSEISMIC ACTIVITY WAS CONDUCT	1	RECEIVED/
■ 2. NO	TICE OF ENTRY FOR PLAT SURV	YEY or NO PLAT SURVEY WAS CO	NDUCTED	□ received
☐ 3. NO	TICE OF INTENT TO DRILL or	NOTICE NOT REQUIRED BECAUS NOTICE OF ENTRY FOR PLAT SURVIWAS CONDUCTED or		□ received/ notrequired
		☐ WRITTEN WAIVER BY SURFAC (PLEASE ATTACH)	E OWNER	
■ 4. NO	TICE OF PLANNED OPERATION	Received		☐ RECEIVED
■ 5. PUE	BLIC NOTICE	Office of Oil & Gas		☐ RECEIVED
■ 6. NO	TICE OF APPLICATION	NOV 06 2014		☐ RECEIVED
I				

Required Attachments:

The Operator shall attach to this Notice Certification Form all Notice Forms and Certifications of Notice that have been provided to the required parties and/or any associated written waivers. For the Public Notice, the operator shall attach a copy of the Class II Legal Advertisement with publication date verification or the associated Affidavit of Publication. The attached Notice Forms and Certifications of Notice shall serve as proof that the required parties have been noticed as required under West Virginia Code § 22-6A. Pursuant to West Virginia Code § 22-6A-11(b), the Certification of Notice to the person may be made by affidavit of personal service, the return receipt card or other postal receipt for certified mailing.

Certification of Notice is hereby given:

THEREFORE, I Kelly Eddy , have read and understand the notice requirements within West Virginia Code § 22-6A. I certify that as required under West Virginia Code § 22-6A, I have served the attached copies of the Notice Forms, identified above, to the required parties through personal service, by registered mail or by any method of delivery that requires a receipt or signature confirmation. I certify under penalty of law that I have personally examined and am familiar with the information submitted in this Notice Certification and all attachments, 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 and imprisonment.

Well Operator: CNX Gas Company LLC

Matthew Imrich <

By: Its: Designated Agent - District Operations Superintende

Telephone: 304-884-2131, Kelly Eddy Address: P O Box 1248

Jane Lew, WV 26378

Facsimile: 304-884-2245

Email: kellyeddy@consolenergy.com

nt, WV Gas Operations

NOTARY SOFFICIAL SEAL STATE OF WEST VIRGINIA CAROLINDA FLANAGAN PO Box 603 Lumberport WV 28388

My Commission Expires September 15, 2021

Subscribed and sworn before me this 10 TH day of OCT 2014

Notary Public

My Commission Expires 09/15/2021

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

> Received Office of Oil & Gas NOV 06 2014

WW-6A (9-13) API NO. 47 003 3 3 0 5 8 5 7

OPERATOR WELL NO. KST2BHS

Well Pad Name: KST2HS

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

Notice Time Requirement: notice shall be provided no later that	an the filing date of permit application.
Date of Notice: 950 & 10/17/14 Date Permit Application Filed: //	15/14
☑ PERMIT FOR ANY ☐ CERTIFICATE OF APP	PROVALEOR THE
WELL WORK CONSTRUCTION OF	AN IMPOUNDMENT OR PIT
Delivery method pursuant to West Virginia Code § 22-6A-10	O(b)
☐ PERSONAL ☐ REGISTERED ☑ METH	OD OF DELIVERY THAT REQUIRES A
— — — — — — — — — — — — — — — — — — —	IPT OR SIGNATURE CONFIRMATION
	of the application, the applicant for a permit for any well work or for a
the surface of the tract on which the well is or is proposed to be local oil and gas leasehold being developed by the proposed well work, if described in the erosion and sediment control plan submitted pursual operator or lessee, in the event the tract of land on which the well proposed well work, if the surface tract is to be used for the placement, constribution with the surface tract is to be used for the placement, constribution on the provide water well, spring or water supply source located within one provide water for consumption by humans or domestic animals; and proposed well work activity is to take place. (c)(1) If more than three subsection (b) of this section hold interests in the lands, the applicant records of the sheriff required to be maintained pursuant to section provision of this article to the contrary, notice to a lien holder is not	e tenants in common or other co-owners of interests described in an may serve the documents required upon the person described in the eight, article one, chapter eleven-a of this code. (2) Notwithstanding any notice to a landowner, unless the lien holder is the landowner. W. Va. rovide the Well Site Safety Plan ("WSSP") to the surface owner and any
☐ Application Notice ☐ WSSP Notice ☐ E&S Plan Notice	
☑ SURFACE OWNER(s)	☑ COAL OWNER OR LESSEE
Name: Mark Coffidaffer	Name: See Attached
Address: 77 President Drive	Address:
Lost Creek, WV 26385	
Name: Diana Coffindaffer Esteve	□ COAL OPERATOR
Address: 3926 Alta Vista Drive	Name: N/A
Laramie, WY 82072	Address:
SURFACE OWNER(s) (Road and/or Other Disturbance) Name: Mark Coffidatfer	T CLIDE LOR ON THE CRIMINATE WAY
Address: 77 President Drive	SURFACE OWNER OF WATER WELL
Lost Creek, WV 26385	AND/OR WATER PURVEYOR(s)
Name: Diana Coffindaffer Esteve	Name: See Attached
Address: 3926 Alta Vista Drive	Address:
Laremie, WY 82072	OPERATOR OF ANY NATURAL GAS STORAGE FIELD
SURFACE OWNER(s) (Impoundments or Pits)	Name: Dominion Transmission Inc. % Ronald Walden
Name: N/A	Address: 445 West Main Street
Address:	Clarksburg, WV 26301
	*Please attach additional forms if necessary Received Office of Oil & Gas

NOV 06 2014

Notice is hereby given:

Pursuant to West Virginia Code § 22-6A-10(b), notice is hereby given that the undersigned well operator has applied for a permit for well work or for a certificate of approval for the construction of an impoundment or pit.

This Notice Shall Include:

Pursuant to W. Va. Code § 22-6A-10(b), this notice shall include: (1) copies of the application; (2) the erosion and sediment control plan required by section seven of this article; and (3) the well plat.

Pursuant to W. Va. Code § 22-6A-10(f), this notice shall include: (1) a statement of the time limits for filing written comments; (2) who may file written comments; (3) the name and address of the secretary for the purpose of filing the comments and obtaining additional information; and (4) a statement that the persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water.

Pursuant to W. Va. Code R. § 35-8-5.7.a, the operator shall provide the Well Site Safety Plan to the surface owner and any water purveyor or surface owner subject to notice and water testing as provided in section 15 of this rule.

Pursuant to W. Va. Code R. § 35-8-15.2.c, this notice shall: (1) contain a statement of the surface owner's and water purveyor's right to request sampling and analysis; (2) advise the surface owner and water purveyor of the rebuttable presumption for contamination or deprivation of a fresh water source or supply; advise the surface owner and water purveyor that refusal to allow the operator to conduct a pre-drilling water well test constitutes a method to rebut the presumption of liability; (3) advise the surface owner and water purveyor of his or her independent right to sample and analyze any water supply at his or her own expense; advise the surface owner and water purveyor whether or not the operator will utilize an independent laboratory to analyze any sample; and (4) advise the surface owner and or water purveyor that he or she can obtain from the Chief a list of water testing laboratories in the subject area capable of and qualified to test water supplies in accordance with standard acceptable methods.

Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx.

Well Location Restrictions

Pursuant to W. Va. Code § 22-6A-12, Wells may not be drilled within two hundred fifty feet measured horizontally from any existing water well or developed spring used for human or domestic animal consumption. The center of well pads may not be located within six hundred twenty-five feet of an occupied dwelling structure, or a building two thousand five hundred square feet or larger used to house or shelter dairy cattle or poultry husbandry. This limitation is applicable to those wells, developed springs, dwellings or agricultural buildings that existed on the date a notice to the surface owner of planned entry for surveying or staking as provided in section ten of this article or a notice of intent to drill a horizontal well as provided in subsection (b), section sixteen of this article was provided, whichever occurs first, and to any dwelling under construction prior to that date. This limitation may be waived by written consent of the surface owner transmitted to the department and recorded in the real property records maintained by the clerk of the county commission for the county in which such property is located. Furthermore, the well operator may be granted a variance by the secretary from these distance restrictions upon submission of a plan which identifies the sufficient measures, facilities or practices to be employed during well site construction, drilling and operations. The variance, if granted, shall include terms and conditions the department requires to ensure the safety and protection of affected persons and property. The terms and conditions may include insurance, bonding and indemnification, as well as technical requirements. (b) No 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 well pad 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 department 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 department 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. (c) Notwithstanding the foregoing provisions of this section, nothing contained in this section prevents an operator from conducting the activities permitted or authorized by a Clean Water Act Section 404 permit or other approval from the United States Army Corps of Engineers within any waters of the state or within the restricted areas referenced in this section. (d) The well location restrictions set forth in this section shall not apply to any well on a multiple well pad if at least one of the wells was permitted prior to the effective date of this article. (e) The secretary shall, by December 31, 2012, report to the Legislature on the noise, light, dust and volatile organic compounds generated by the drilling of horizontal wells as they relate to the well location restrictions regarding occupied dwelling structures pursuant to this section. Upon a finding, if any, by the secretary that the well location restrictions regarding occupied dwelling structure Gasadequate or otherwise require alteration to address the items

WW-6A (8-13) AA NO. 07-33-3 0 5 8 5 7
OPERATOR WELL NO. KST2BHS

Well Pad Name: KST2HS
examined in the study required by this subsection, the secretary shall have the authority to propose for promulgation legislative rules establishing guidelines and procedures regarding reasonable levels of noise, light, dust and volatile organic compounds relating to drilling horizontal wells, including reasonable means of mitigating such factors, if necessary.

Water Well Testing:

Pursuant to West Virginia Code § 22-6A-10(d), notification shall be made, with respect to surface landowners identified in subsection (b) or water purveyors identified in subdivision (5), subsection (b) of this section, of the opportunity for testing their water well. The operator shall provide an analysis to such surface landowner or water purveyor at their request.

Water Testing Laboratories:

Pursuant to West Virginia Code § 22-6A-10(i), persons entitled to notice pursuant to subsection (b) of this section may contact the department to ascertain the names and locations of water testing laboratories in the subject area capable and qualified to test water supplies in accordance with standard accepted methods. In compiling that list of names the department shall consult with the state Bureau for Public Health and local health departments. A surface owner and water purveyor has an independent right to sample and analyze any water supply at his or her own expense. The laboratory utilized by the operator shall be approved by the agency as being certified and capable of performing sample analyses in accordance with this section.

Rebuttable Presumption for Contamination or Deprivation of a Fresh Water Source or Supply:

W. Va. Code § 22-6A-18 requires that (b) unless rebutted by one of the defenses established in subsection (c) of this section, in any action for contamination or deprivation of a fresh water source or supply within one thousand five hundred feet of the center of the well pad for horizontal well, there is a rebuttable presumption that the drilling and the oil or gas well or either was the proximate cause of the contamination or deprivation of the fresh water source or supply. (c) In order to rebut the presumption of liability established in subsection (b) of this section, the operator must prove by a preponderance of the evidence one of the following defenses: (1) The pollution existed prior to the drilling or alteration activity as determined by a predrilling or prealteration water well test. (2) The landowner or water purveyor refused to allow the operator access to the property to conduct a predrilling or prealteration water well test. (3) The water supply is not within one thousand five hundred feet of the well. (4) The pollution occurred more than six months after completion of drilling or alteration activities. (5) The pollution occurred as the result of some cause other than the drilling or alteration activity. (d) Any operator electing to preserve its defenses under subdivision (1), subsection (c) of this section shall retain the services of an independent certified laboratory to conduct the predrilling or prealteration water well test. A copy of the results of the test shall be submitted to the department and the surface owner or water purveyor in a manner prescribed by the secretary. (e) Any operator shall replace the water supply of an owner of interest in real property who obtains all or part of that owner's supply of water for domestic, agricultural, industrial or other legitimate use from an underground or surface source with a comparable water supply where the secretary determines that the water supply has been affected by contamination, diminution or interruption proximately caused by the oil or gas operation, unless waived in writing by that owner. (f) The secretary may order the operator conducting the oil or gas operation to: (1) Provide an emergency drinking water supply within twenty-four hours; (2) Provide temporary water supply within seventy-two hours; (3) Within thirty days begin activities to establish a permanent water supply or submit a proposal to the secretary outlining the measures and timetables to be used in establishing a permanent supply. The total time in providing a permanent water supply may not exceed two years. If the operator demonstrates that providing a permanent replacement water supply cannot be completed within two years, the secretary may extend the time frame on case-by-case basis; and (4) Pay all reasonable costs incurred by the real property owner in securing a water supply. (g) A person as described in subsection (b) of this section aggrieved under the provisions of subsections (b), (e) or (f) of this section may seek relief in court... (i) Notwithstanding the denial of the operator of responsibility for the damage to the real property owner's water supply or the status of any appeal on determination of liability for the damage to the real property owner's water supply, the operator may not discontinue providing the required water service until authorized to do so by the secretary or a court of competent jurisdiction.

Written Comment:

Pursuant to West Virginia Code § 22-6A-11(a), all persons described in subsection (b), section ten of this article may file written comments with the secretary as to the location or construction of the applicant's proposed well work within thirty days after the application is filed with the secretary. All persons described in West Virginia Code § 22-6A-10(b) may file written comments as to the location or construction of the applicant's proposed well work to the Secretary at:

Chief, Office of Oil and Gas
Department of Environmental Protection
601 57th St. SE
Charleston, WV 25304
(304) 926-0450

Such persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water. NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.

Received
Office of Oil & Gas

WW-6A (8-13) 4703305857

API NO. 47-033 OPERATOR WELL NO. KST2BHS
Well Pad Name; KST2HS

Time Limits and Methods for Filing Comments.

The law requires these materials to be served on or before the date the operator files its Application. You have THIRTY (30) DAYS after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection" to the planned work described in these materials, then the permit may be issued at any time.

Pursuant to West Virginia Code § 22-6A-11(c)(2), Any objections of the affected coal operators and coal seam owners and lessees shall be addressed through the processes and procedures that exist under sections fifteen, seventeen and forty, article six of this chapter, as applicable and as incorporated into this article by section five of this article. The written comments filed by the parties entitled to notice under subdivisions (1), (2), (4), (5) and (6), subsection (b), section ten of this article shall be considered by the secretary in the permit issuance process, but the parties are not entitled to participate in the processes and proceedings that exist under sections fifteen, seventeen or forty, article six of this chapter, as applicable and as incorporated into this article by section five of this article.

Comment Requirements

Your comments must be in writing and include your name, address and telephone number, the well operator's name and well number and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

Disclaimer: All comments received will be placed on our web site http://www.dep.wv.gov/oil-and-gas/Horizontal-Permits/Pages/default.aspx and the applicant will automatically be forwarded an email notice that such comments have been submitted. The applicant will be expected to provide a response to comments submitted by any surface owner, water purveyor or natural gas storage operator noticed within the application.

Permit Denial or Condition

The Chief has the power to deny or condition a well work permit. Pursuant to West Virginia Code § 22-6A-8(d), the permit may not be issued or be conditioned, including conditions with respect to the location of the well and access roads prior to issuance if the director determines that:

- (1) The proposed well work will constitute a hazard to the safety of persons;
- (2) The plan for soil erosion and sediment control is not adequate or effective;
- (3) Damage would occur to publicly owned lands or resources; or
- (4) The proposed well work fails to protect fresh water sources or supplies.

A permit may also be denied under West Virginia Code § 22-6A-7(k), the secretary shall deny the issuance of a permit if the secretary determines that the applicant has committed a substantial violation of a previously issued permit for a horizontal well, including the applicable erosion and sediment control plan associated with the previously issued permit, or a substantial violation of one or more of the rules promulgated under this article, and in each instance has failed to abate or seek review of the violation within the time prescribed by the secretary pursuant to the provisions of subdivisions (1) and (2), subsection (a), section five of this article and the rules promulgated hereunder, which time may not be unreasonable.

Pursuant to West Virginia Code § 22-6A-10(g), any person entitled to submit written comments to the secretary pursuant to subsection (a), section eleven of this article, shall also be entitled to receive from the secretary a copy of the permit as issued or a copy of the order modifying or denying the permit if the person requests receipt of them as a part of the written comments submitted concerning the permit application. Such persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water.

Received
Office of Oil & Gas

NOV **06** 2014

WW-6A (8-13) API'NO. 49-038 3.0 5 8 5 7

OPERATOR WELL NO. KST2BHS

Well Pad Name: KST2HS

Notice is hereby given by:

Well Operator: CNX Gas Company LLC
Telephone: 304-884-2131, Kelly Eddy
Email: kellyeddy@consolenergy.com

Address: P.O. Box 1248

Jane Lew, WV 26378

Facsimile: 304-884-2245

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

OFFICIAL SEAL

NOTARY PUBLIC

STATE OF WEST VIRGINIA

CAROLINDA FLANAGAN

PO Box 603

Lumberport WV 25336

My Commission Explres September 15, 2021

Received
Office of Oil & Gas
NOV 0 6 2014

4703305857

Attachment for WW-6A - Notice of Application KST2 Well Pad

Surface Owner of Water Well and/or Water Purveyor(s):

Mark Coffindaffer & Diana Coffindaffer Esteve 77 President Drive Lost Creek, WV 26385

Barbara Dawson 11 Morris Court Culloden, WV 25510

Coal Owner(s):

Eastern Associated Coal, LLC 500 Lee Street, Suite 900 Charleston WV, 25301

James E. Patterson Trust C/o DLA Piper LLP The Marbury Building 6225 Smith Avenue Baltimore MD 21209-3600

Richard G. Hall 1701 Quarry Lane McKinney, TX 75070

Pamela Ann Shanklin 1100 Threadgrass Rd NE Rio Rancho, NM 87144-5759

Gertrude Beall 410 E. Main Street Harrisville, WV 26362

Bertha Miller C/o Larry D. Miller 1515 Adair Blvd Cummings, GA 30040-4531

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Coal Owner(s) continued:

Jeffery J. Yost 3689 Wembley Lane Lexington, KY 40515

Brenda L. Yost 151 Gone Fishin Lane Berkeley Springs, WV 25411

Helen Jean Currence 249-A RR4 Elkins, WV 26241

Pamela K. Shrader PO Box 582 Petersburg, WV 26847

Beverly Ann Wilson Dunham 36869 3 Bridges Rd Willards, MD 21874

Ira O. Harris 29818 Deer Harbour Dr. Salisbury, MD 21804

Gary Eugene Harris 67650 Green Timbers Rd Homer, AK 99603

Grover D. Mullenax 29 Laurel View Apts. Belington, WV 26250

J. Beverly Johnson Young 19 Debbie Drive Gallipolis, OH 45631

Theresa Hall Uthe 21 N 122nd Ave Avondale, AZ 85323

Steve Hall 48625 Coldwater Creek Road Caldwell, OH 43724

Received
Office of Oil & Gas
NOV 06 2014

Coal Owner(s) continued:

Martha Ann Hall Montgomery 672 Lucille Drive Elyria, OH 44035

James Patrick Hall 478 Grass Run Road Smithville, WV 26178

Doris Jean Hall Farriah 2512 27th Street Parkersburg, WV 26101

Julie Hall Christensen 44 Wellington Rd Indianapolis, IN 46260

Brenda Hall 4960 W. Craig Street Mecca, IN 47860

Valarie Hall Reed 1522 Barksdale Dr. NE Leesburg VA 20176

Medeta Treadwell 163 Monticello Circle Elyria, OH 44035

David A. Hall 4509 Young Road Glen Rock, PA 17327

Dana L. Hall 435 Spring Ave Clarksburg, WV 26301

Carola S. Hall Stephens 180 Van Clevesville Road Martinsburg, WV 25405

Alex Taylor 1826 Avenue B Billings MT 595503-9599

Coal Owner(s) continued:

Nancy Y. Coleman 205 Echols Lane Lewisburg, WV 24901

Charles Ray Schola 118 Tygart Drive Philippi, WV 26416

Linda Carol Hall Grams 80 North Wood Street Shinnston, WV 26431

Carolyn Lipscomb Hall 13002 Covered Bridge Rd Sellersburg, IN 47172-8604

John N. Hall 6370 Dockser Terrace Falls Church, VA 22041

Joann Marie Shifflet Hall 7160 Bensville Rd White Plains, MD 20695

Georgetta June Hall 1215 Fern Circle Saint Leonard, MD 20685

Donald R. Henderson 1348 Whispering Pines Dr. Clearwater, FL 33764

Kathryn Henderson PO Box 722 Hot Springs, VA 24445

Alice Jean Benbow 408 Harwich Drive Morgantown, WV 26508

Benjamin McCoy 732 Elmwood Drive Davis, CA 95616-3517

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NOV 06 2014

Coal Owner(s) continued:

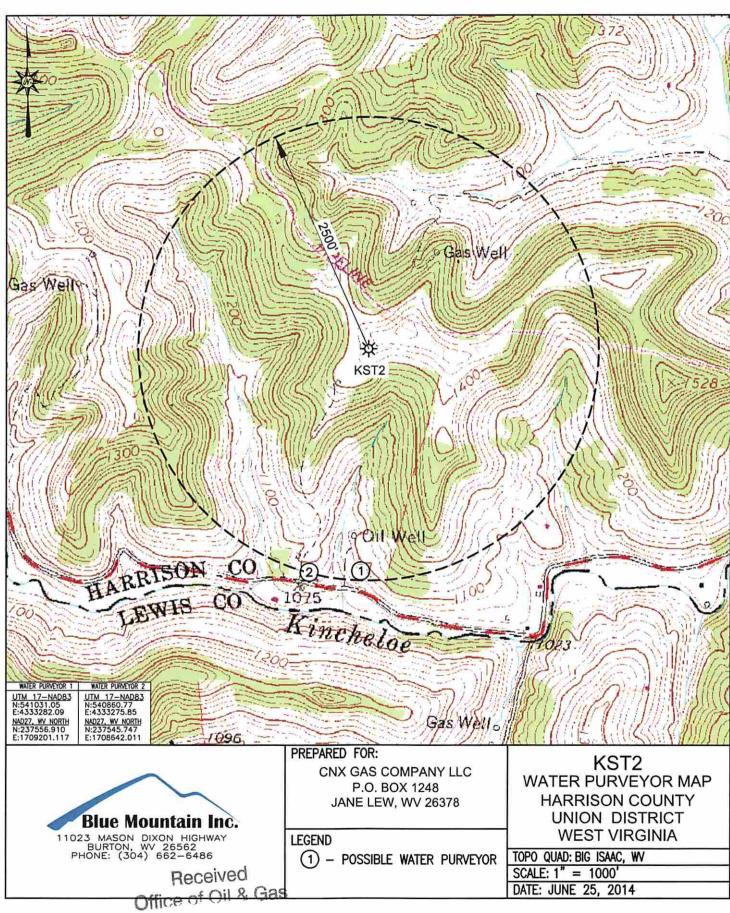
Anna Belle Piira
1317 Buttonwood Drive
Fort Collins, CO 80525-1913

Donna Post Nash 112 Deer Brook Lane Mt. Airy, NC 27030

Larry Harwood Hall 2465 Edgewood Ave Burlington, NC 27215

Betty Sue Hartford 9404 West Kerry Lane Peoria, AZ 83582-3680

Harry James McCoy 1504 South Loudoun Street Winchester, VA 22601-4422



Blue Mountain Inc.

11023 Mason Dixon Hwy | Burton, WV 26562 Ph: (304) 662-6486 | Fax: (304) 662-6501

June 26, 2014

CNX GAS COMPANY P.O. BOX 1248 JANE LEW, WV 26378

WATER WELL REPORT

PROJECT: KST2

DISTRICT: BIG ISAAC COUNTY: Harrison STATE: West Virginia

The following surface owners may have water supplies within 2,000 feet of the above location:

NAME ADDRESS CITY, STATE, ZIP

None

The following surface owners may have water supplies within 2,500 feet of the above location:

NAME	ADDRESS	CITY, STATE, ZIP
1) Barbara Dawson	11 Morris CT	Culloden, WV 25510
Mark J. Coffindaffer & Diana Coffindaffer-Esteve	RR 1 Box 176	Lost Creek, WV 26385

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF ENTRY FOR PLAT SURVEY

Notice Time R entry	Requirement:	Notice shall be prov	ided at least S	EVEN (7) da	ays but no more tha	n FORTY-FIVE (45) days prior to
Date of Notice	9/08/2014 & 09/19	Date of Plan	ned Entry:	9/17/2014		
Delivery meth	od pursuant t	o West Virginia Co	ode § 22-6A-1	0a		
☐ PERSON.	AL 🗍	REGISTERED	■ MET	HOD OF DE	LIVERY THAT RI	EOLIIDES A
SERVICE		MAIL	RECE	IPT OR SIG	NATURE CONFIF	PMATION
but no more the beneath such tr owner of miner and Sediment C Secretary, whice enable the surfa	an forty-five di act that has file als underlying Control Manua th statement shace owner to of	luct any plat surveys ays prior to such ent ed a declaration purs such tract in the con I and the statutes and all include contact in btain copies from the	ry to: (1) The suant to section unty tax record rules related information, in	suant to this a surface owner thirty-six, a ds. The notice to oil and ga	rticle. Such notice or of such tract; (2) article six, chapter to be shall include a st s exploration and r	r shall provide notice of planned entry shall be provided at least seven days to any owner or lessee of coal seams exenty-two of this code; and (3) any attement that copies of the state Erosion production may be obtained from the age on the Secretary's web site, to
Notice is hereb	y provided to	:				
■ SURFACE	E OWNER(s)			■ COA	L OWNER OR LE	SSFF
Name: Mark Coffin				Name: Se	z karan karan	SOL
Address: 77 Pres Lost Creek, WV 2638				Address:		
Name: Diana Coffi		/	-	1		
Address: 3926 A				■ MIN	ERAL OWNER(s)	
Laramie, WY 82072				Name: Se	e Attached	
Name: Address:				Address:		
Address			-		th additional forms if ne	
a plat survey on	st Virginia Co	de § 22-6A-10(a), no nd as follows:			ne undersigned wel	l operator is planning entry to conduct E-541042.850 m / N-4334014.838 m
County:	Harrison			Public Road		CR 35, Kincheloe Road
	Jnion			Watershed:		Middle West Fork Creek
Quadrangle: B	Big Isaac			Generally use	ed farm name:	Coffidaffer
may be obtained Charleston, WV	25304 (304-	retary, at the WV D	epartment of E of such docum	Environmenta ients or addit	ll Protection headquional information r	il and gas exploration and production uarters, located at 601 57th Street, SE, elated to horizontal drilling may be
Notice is here	by given by					
Well Operator:	CNX Gas Compar			Address:	P O Box 1248	
Telephone:	304-884-2131, Ke				Jane Lew, WV 26378	
Email:	kellyeddy@consol			Facsimile:	304-884-2245	
Oil and Gas P	National No. 11	63				

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at deprivacyofficer@wv.gov.

Office of Oil & Gas

KST2 Well Pad

Surface Owner(s):

Mark Coffindaffer 77 President Drive Lost Creek WV 26385

Diana Coffindaffer Esteve 3926 Alta Vista Drive Laramie WY 82072

Coal Owner(s):

Eastern Associated Coal, LLC 500 Lee Street, Suite 900 Charleston WV, 25301

Mineral Owner(s):

Allyson J. Swensson 98 Pepperbush Ln. Fairmont, WV 26554-8200

Mike Ross & Waco Oil & Gas PO Box 219 Coalton, WV 26527-0219

Gregory Hall 1298 Freshwater RD Eureka, CA 95503

KST2 Well Pad

Mineral Owner(s) continued:

Bertha Miller c/o Larry D. Miller 1515 Adair Blvd. Cummings, GA 30040-4531

Harry James McCoy 1504 South Louddoun Street Winchester, VA 22601-4422

Richard Cronin 9649 Norfolk Street Manassas, VA 20109

James B. Beall RR2 Box 4 Harrisville, WV 26362-9602

Milo H. Beall 695 Cooper St. Harrisville, WV 26362-9602

Paul D. Beall 811 East Main Street Harrisville, WV 26362-9602

KST2 Well Pad

Mineral & Coal Owner(s):

James E. Patterson Trust c/o DLA Piper LLP The Marbury Building 6225 Smith Avenue Baltimore MD 21209-3600

Richard G. Hall 1701 Quarry Lane McKinney, TX 75070

Pamela Ann Shanklin 1100 Threadgrass Rd NE Rio Ranco, NM 87144-5759

Gertude Beall 410 E. Main Street Harrisville, WV 26362

Bertha Miller c/o Larry D. Miller 1515 Adair Blvd Cummings, GA 30040-4531

Jeffery J. Yost 3689 Wembly Lane Lexington, KY 40515

Brenda L. Yost 151 Gone Fishin Lane Berkeley Springs, WV 25411

Helen Jean Currence 249-A RR4 Elkins, WV 26241

KST2 Well Pad

Mineral & Coal Owner(s) continued:

Pamela K. Shrader PO Box 582 Petersburg, WV 26847

Beverly Ann Wilson Dunham 36869 3 Bridges Rd Willards, MD 21874

Ira O. Harris 29818 Deer Harbour Dr > Salisbury, MD 21804

Gary Eugene Harris 67650 Green Timbers Rd Homer, AK 99603

Grover D. Mullenax 29 Laurel Apts. Belington, WV 26250

J. Beverly Johnson Young 19 Debbie Drive Gallipolis, OH 45631

Theresa Hall Uthe 21 N 122nd Ave Avondale, AZ 85323

Steve Hall 48625 Coldwater Creek Road Caldwell, OH 43724

Martha Ann Hall Montgomery 672 Lucille Drive Elyria OH 44035

Received Office of Oil & Gas

KST2 Well Pad

Mineral & Coal Owner(s) continued:

James Patick Hall 478 Grass Run Road Smithville, WV

Doris Jean Hall Farriah 2512 27th Street Parkersburg, WV 26101

Julie Hall Christensen 44 Wellington Rd Indianapolis, IN 46260

Brenda Hall Box 182 Macca, IN 47860

Valarie Hall Reed 1322 Barsville Ave Leesburg VA 20176

Medeta Treadwell 163 Moticello Circle Elyria, OH 44035

David A. Hall 4509 Young Road Glen Rock, PA 17327

Dana L. Hall 435 Spring Ave Clarksburg, WV 26301

Carola S. Hall Stephens 180 Van Clevesville Road Martinsburg, WV 25405

KST2 Well Pad

Mineral & Coal Owner(s) continued:

Alex Taylor 1826 Avenue B Billings MT 595503-9599

Nancy Y. Coleman 205 Echols Lane Lewisburg, WV 24901

Charles Ray Schola 118 Tygart Drive Phillipi, WV 26416

Linda Carol Hall Grams 80 North Wood Street Shinnston, WV 26431

Carolyn Lipscomb Hall 13002 Covered Bridge Rd Sellersburg, IN 47172-8604

John N. Hall 6370 Dockser Ter, Falls Church, VA 22041

Joann Marie Shifflet Hall 7160 Bensville Rd White Plains, MD 20695

Georgetta June Hall / 1215 Fern Cir Saint Leonard, MD 20685

Donald R. Henderson 1348 Whispering Pines Dr. Clearwater, FL 33764

KST2 Well Pad

Mineral & Coal Owner(s) continued:

Kathryn Henderson Po Box 722 Hot Springs, VA 24445

Alice Jean Donell 408 Harwich Drive Morgantown, WV 26508

Benjamin McCoy 732 Elmwood Drive Davis, CA 95616-3517

Anna Belle Pilra 1317 Buttonwood Drive Fort Collins, CO 80525-1913

Donna Post Nash 112 Deer Brook Lane Mt. Airy, NC 27030

Larry Harwood Hall 2465 Edgewood Ave Burlington, NC 27215

Betty Sue Hartford 9404 West Kerry Lane Peoria, AZ 83582-3680

Harry James McCoy 1504 South Louddoun Street Winchester, VA 22601-4422

470330505

WW-6A5 (1/12)

Operator Well No. KST2BHS

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

Delivery me	thod pursuant to West Virginia	Code §	22-6A-16(c)		
■ CERTI	FIED MAIL	П	HAND		
	RN RECEIPT REQUESTED	-	DELIVERY		
return receipt the planned or required to be drilling of a damages to the	requested or hand delivery, give operation. The notice required be provided by subsection (b), secti horizontal well; and (3) A propo- ne surface affected by oil and gas	the surface by this so ion ten of sed surface operatio	ace owner whose land ubsection shall inclu if this article to a surf ace use and compen- ns to the extent the da	I will be used for de: (1) A copy ace owner whos sation agreement amages are comp	cation, an operator shall, by certified mail or the drilling of a horizontal well notice of of this code section; (2) The information se land will be used in conjunction with the at containing an offer of compensation for pensable under article six-b of this chapter, sted in the records of the sheriff at the time
	eby provided to the SURFACE is listed in the records of the sheri				
Name: Mark Co		ir at the		Diana Coffindaffer Est	eve
Address: 77 P		_	71,777,000	s: 3926 Alta Vista Dri	-
Lost Creek, WV	26385		Laramie,	WY 82072	
State: County: District: Quadrangle:	the surface owner's land for the p West Virginia Harrison Union Big Isaac		UTM NAD 8	Easting: Northing:	540,995.86m 4,333,953.77m CR 35, Kincheloe Road Coffidaffer
Watershed:	Middle West Fork Creek				
Pursuant to V to be provide horizontal we surface affect information 1	ed by W. Va. Code § 22-6A-10(ell; and (3) A proposed surface us ted by oil and gas operations to t related to horizontal drilling may located at 601 57th Street, SE,	b) to a e and co he extend be obta	surface owner whose impensation agreement the damages are continued from the Secret	e land will be unt containing an ompensable und tary, at the WV	code section; (2) The information required used in conjunction with the drilling of a offer of compensation for damages to the ler article six-b of this chapter. Additional Department of Environmental Protection or by visiting www.dep.wv.gov/oil-and-department
Well Operato	T: CNX Gas Company LLC		Address:	P O Box 1248	
Telephone:	304-884-2131, Kelly Eddy			Jane Lew, WV 2637	78
Email:	kellyeddy@consolenergy.com		Facsimile:	304-884-2245	

appropriately secure your personal information. If you have any questions about our use or your personal information, please contact

DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

Received Office of Oil & Gas

NOV 06 2014



February 25, 2015

Diana Coffindaffer Esteve 3926 Alta Vista Drive Laramie, WY 82072

Re: Well Pad - KST2HS

Union District, Harrison County

Dear Ms. Coffindaffer Esteve,

CNX Gas Company LLC is writing you in regards to the KST2HS well pad in which you are one of the Surface Owners and Surface Owners of a Road and/or Other Disturbance.

Enclosed, please find a copy of the changes proposed by the DEP to the Erosion & Sediment Control Plan. Due to wetland impacts, the LOD (Limits of Disturbance) has been slightly changed, and were extended to include wetland #3 and #4, see page 6. I have included an 11x17 copy of page 6 displaying the prior LOD in blue, and the revised LOD in red, as well as an arrow pinpointing the two changes.

Also enclosed is a Voluntary Statement of No Objection form. If you have no objection to work being done, please sign and date the form, and return it to us in the self- addressed postage paid envelope.

Should you have any questions, please feel free to contact me at 304-884-2131 or by email at kellyeddy@consolenergy.com.

Sincerely,

Permitting Supervisor

RECEIVED
Office of Oil and Gas

FEB 2 5 2015

WV Department of Environmental Protection



February 25, 2015

Mark Coffindaffer 77 President Drive Lost Creek, WV 26385

Re: Well Pad - KST2HS

Union District, Harrison County

RECEIVED Office of Oil and Gas

FEB 2 5 2015

WV Department of Environmental Protection

Dear Mr. Coffindaffer.

CNX Gas Company LLC is writing you in regards to the KST2HS well pad in which you are one of the Surface Owners and Surface Owners of a Road and/or Other Disturbance

Enclosed, please find a copy of the changes proposed by the DEP to the Erosion & Sediment Control Plan. Due to wetland impacts, the LOD (Limits of Disturbance) has been slightly changed, and were extended to include wetland #3 and #4, see page 6. I have included an 11x17 copy of page 6 displaying the prior LOD in blue, and the revised LOD in red, as well as an arrow pinpointing the two changes.

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Sincerely.

Permitting Supervisor

RECEIVED Office of Oil and Gas

FEB 2 5 2015

WV Department of Environmental Protection WW-6A5 (1/12)

Operator Well No. KST2AHS-FHS. KST2HHS

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

Date of No	tice: 02/24/2015 Date	Permit Application Filed	ling date of pern	iit application.	
Delivery n	ethod pursuant to West Virgini	ia Code § 22-6A-16(c)			
E CERT	TIFIED MAIL	☐ HAND			
	URN RECEIPT REQUESTED	DELIVERY			
the planned required to drilling of a damages to (d) The noti of notice.	operation. The notice required be provided by subsection (b), see a horizontal well; and (3) A proposition are affected by oil and gas ces required by this section shall	e the surface owner whose by this subsection shall in ction ten of this article to a cosed surface use and comp is operations to the extent the be given to the surface own	land will be used sclude: (1) A cop surface owner who bensation agreeme e damages are cor	olication, an operator shall, by certified m for the drilling of a horizontal well notice y of this code section; (2) The information ose land will be used in conjunction with the ent containing an offer of compensation of impensable under article six-b of this chapte listed in the records of the sheriff at the time	
Notice is he (at the addre	reby provided to the SURFACE ss listed in the records of the sher	OWNER(s) iff at the time of notice):			
Name: Mark C	offindaffer		e: Diana Coffindaffer E	steve	
	Address: 77 President Drive		Name: Diana Coffindaffer Esteve		
			ress: 3926 Alta Vista D	1110	
Notice is her Pursuant to V	26385 reby given: Vest Virginia Code § 22-6A-16(c)	Laras	nie, WY 82072	well operator has developed a planned	
Notice is her Pursuant to V operation on State: County:	reby given: Vest Virginia Code § 22-6A-16(c) the surface owner's land for the p), notice is hereby given that purpose of drilling a horizon UTM NAL	t the undersigned ntal well on the transport Easting: Northing:	well operator has developed a planned	
Notice is her Pursuant to V operation on State: County: District:	reby given: Vest Virginia Code § 22-6A-16(c) the surface owner's land for the p wv Harrison Union), notice is hereby given that purpose of drilling a horizon UTM NAI Public Roa	t the undersigned atal well on the transport at Easting: Northing: d Access:	well operator has developed a planned act of land as follows: 541,022,946m 4,333,968,027m CR 35, Kincheloe Road	
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Notice is her Pursuant to V operation on State: County: District: Quadrangle: Watershed:	zeby given: Vest Virginia Code § 22-6A-16(c) the surface owner's land for the p W Harrison Union Big Isaac Middle West Fork Creek), notice is hereby given that purpose of drilling a horizon UTM NAI Public Roa Generally to	t the undersigned ntal well on the transport Northing: d Access: used farm name:	well operator has developed a planned act of land as follows: 541,022,946m 4,333,968.027m CR 35, Kincheloe Road Coffidatfer	
Notice is her Pursuant to V operation on State: County: District: Quadrangle: Watershed: This Notice S Pursuant to W to be provide horizontal we surface affects information re	reby given: Vest Virginia Code § 22-6A-16(c) the surface owner's land for the pw W Harrison Union Big Isaac Middle West Fork Creek Chall Include: Vest Virginia Code § 22-6A-16(c) d by W. Va. Code § 22-6A-10(b) ll; and (3) A proposed surface used by oil and gas operations to the lated to horizontal drilling may located at 601 57th Street, SE,	Data Description of the course of drilling a horizon of drilling a horizon of the course o	t the undersigned ntal well on the transport of the undersigned ntal well on the transport of the transport of the undersigned Access: 1) A copy of this is a land will be understood and well be understood of the understood of t	well operator has developed a planned act of land as follows: 541,022,946m 4,333,968,027m CR 35, Kincheloe Road	
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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. Out office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

FEB 25 7015

WV Department of Environmental Protection WW-6AW (1-12)

API NO. 47-033	-	
OPERATOR WELL	NO.	KSTZAHS-FHS, KSTZHHS
Well Pad Name: KS	T2HS	

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

Instructions to Persons Named on Page WW-6A

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

Comment and Waiver Provisions

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

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

VOLUNTARY STATEMENT OF NO OBJECTION

State: wv County: Harrison District: Union Quadrangle: Big Isaac	the well plat, all for proposed well work on the trac	**	541,022.946m
	Harrison	Northing:	4,333,968.027m CR 35, Kincheloe Road
	Big Isaac G Middle West Fork Creek	enerally used farm name:	Coffidaffer
*Please check	the box that applies	FOR EXECUT	ION BY A NATURAL PERSON
issued on tho	that I have no objection to the planned work describe materials.		
*Please check	the box that applies	FOR EXECUT	ION RV A NATUDAL DEDCON
		POREAECUI	ION BI A NATURAL LERSON
	CE OWNER	Signature:	
SURFAC	CE OWNER	Signature: Print Name:	
SURFAC	CE OWNER (Road and/or Other Disturbance)	Signature: Print Name:	
SURFAC	CE OWNER	Signature: Print Name: Date:	
SURFACE SURFACE SURFACE	CE OWNER (Road and/or Other Disturbance)	Signature: Print Name: Date: FOR EXECUT: Company:	ION BY A CORPORATION, ETC.
SURFACE SURFACE SURFACE COAL C	CE OWNER (Road and/or Other Disturbance) CE OWNER (Impoundments/Pits) WNER OR LESSEE	Signature:Print Name:Date:FOR EXECUTE Company:By:	ION BY A CORPORATION, ETC.
SURFACE SURFACE SURFACE COAL COAL COAL COAL COAL COAL COAL COAL	CE OWNER CE OWNER (Road and/or Other Disturbance) CE OWNER (Impoundments/Pits) OWNER OR LESSEE PERATOR	Signature:Print Name:Date:FOR EXECUTE Company:By:	ION BY A CORPORATION, ETC.
SURFACE SURFACE SURFACE COAL COAL COAL COAL COAL COAL COAL COAL	CE OWNER (Road and/or Other Disturbance) CE OWNER (Impoundments/Pits) WNER OR LESSEE	Signature:Print Name: Date: FOR EXECUTE Company: By: Its: Signature:	ION BY A CORPORATION, ETC.

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the from a 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 or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

WW-6A5 (1/12)

Operator Well No. KSTZAHS-FHS. KSTZHHS

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

	ne Requirement: notice tice: 02/24/2015	shall be provided no l Date Permit App			t application.
Delivery n	ethod pursuant to Wes	t Virginia Code § 22	-6A-16(c)		
CER'	TIFIED MAIL	□ F	IAND		
	JRN RECEIPT REQUE	STED I	DELIVERY		
return recei the planned required to drilling of damages to	pt requested or hand deli- operation. The notice be provided by subsection horizontal well; and (3) the surface affected by o	very, give the surface required by this sub- in (b), section ten of the A proposed surface il and gas operations	cowner whose lar section shall includes his article to a sur to use and comper to the extent the d	d will be used for ide: (1) A copy face owner who sation agreement amages are com	ication, an operator shall, by certified main for the drilling of a horizontal well notice of of this code section; (2) The information se land will be used in conjunction with the not containing an offer of compensation for appensable under article six-b of this chapter, sted in the records of the sheriff at the time
Notice is he	reby provided to the S				
	ess listed in the records of	f the sheriff at the tim	e of notice):		
		the sheriff at the thin			feve
Name: Mark	Coffindatter	T the shorth at the thin		Diana Coffindaffer Est	
Name: Mark Address: 77	Coffindatfer President Drive	The sheriff at the time	Addres	S: 3926 Alta Vista Dr	
Name: Mark Address: 77 Lost Creek, W	President Drive 26385 reby given:		Addres Laramie	S: 3926 Alla Vista Dr WY 82072	ive
Name: Mark Address: 77 Lost Creek, W Notice is he Pursuant to operation o State: County:	reby given: West Virginia Code § 22 n the surface owner's lan	-6A-16(c), notice is h	Address Laramie ereby given that the dirilling a horizontal through the control of the control o	s: 3926 Alta Vista Dr WY 82072 the undersigned val well on the tra Easting: Northing:	well operator has developed a planned act of land as follows: 541,022.946m 4,333,968.027m
Name: Mark Address: 77 Lost Creek, W Notice is he Pursuant to operation o State: County: District:	coffindaffer President Drive 26385 reby given: West Virginia Code § 22 n the surface owner's lan wv Harrison Union	-6A-16(c), notice is h	ereby given that the relation of the relationship of the relations	s: 3926 Alta Vista Dr WY 82072 the undersigned valuell on the tra Easting: Northing: Access:	well operator has developed a planned act of land as follows: 541,022.946m 4,333,968.027m CR 35, Kincheloe Road
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Name: Mark Address: 77 Lost Creek, W Notice is he Pursuant to operation o State: County: District: Quadrangle: Watershed: This Notice Pursuant to to be provide horizontal w surface affect information headquarters gas/pages/de Well Operate	reby given: West Virginia Code § 22 n the surface owner's lan W Harrison Union Big Isaac Middle West Fork Creek Shall Include: West Virginia Code § 22 ded by W. Va. Code § ell; and (3) A proposed sted by oil and gas open related to horizontal dri, located at 601 57th Stault.aspx. Dr: CNX Gas Company LLC	2-6A-16(c), notice is hid for the purpose of december of the purpose of the pu	ereby given that the dirilling a horizontal trilling a horizontal	s: 3926 Alla Vista Dr. WY 82072 the undersigned of the well on the tra Easting: Northing: Access: ed farm name: (A copy of this of the land will be undersigned and will be undersigned ary, at the WV (304-926-0450)	well operator has developed a planned act of land as follows: 541,022.946m 4,333,968.027m CR 35, Kincheloe Road Coffidaffer code section; (2) The information required ased in conjunction with the drilling of a coffer of compensation for damages to the er article six-b of this chapter. Additional Department of Environmental Protection or by visiting www.dep.wv.gov/oil-and-
Name: Mark Address: 77 Lost Creek, W Notice is he Pursuant to operation o State: County: District: Quadrangle: Watershed: This Notice Pursuant to to be provide horizontal w surface affectinformation headquarters	President Drive 26385 reby given: West Virginia Code § 22 n the surface owner's lan WV Harrison Union Big Isaac Middle West Fork Creek Shall Include: West Virginia Code § 22 led by W. Va. Code § ell; and (3) A proposed eted by oil and gas open related to horizontal dri , located at 601 57th St fault.aspx.	2-6A-16(c), notice is hid for the purpose of december	ereby given that the dirilling a horizontal trilling a horizontal	s: 3926 Alta Vista Dr. WY 82072 the undersigned of the well on the tra Easting: Northing: Access: ed farm name: A copy of this of the land will be undersigned to the tra e land will be undersigned the will be undersigned to the will be	well operator has developed a planned act of land as follows: 541,022.946m 4,333,968.027m CR 35, Kincheloe Road Coffidaffer code section; (2) The information required ased in conjunction with the drilling of a coffer of compensation for damages to the er article six-b of this chapter. Additional Department of Environmental Protection or by visiting www.dep.wv.gov/oil-and-

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FEB 25 2015

WV Department of Environmental Protection

API NO. 47- 033 -	
OPERATOR WELL NO.	KSTZAHS-FNS, KSTZHHS
Well Pad Name: KST2HS	

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

Instructions to Persons Named on Page WW-6A

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Comment and Waiver Provisions

1 Diana Coffindaffer Esteve

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VOLUNTARY STATEMENT OF NO OBJECTION

hereby state that I have read the Instructions to Persons Named on Page WW-6A and the associated

State:	wv	TM NAD 83 Easting:	541,022:946m	
County:	Harrison	Northing:	4,333,968.027m	
District:		ublic Road Access:	CR 35, Kincheloe Road	
Quadrangle:		ienerally used farm name:	Coffidatfer	
Watershed:	Middle West Fork Creek			
Please check	the box that applies	FOR EXECUT	ION BY A NATURAL PERSON	
		100000000000000000000000000000000000000	lana C. Etere	
 SURFACE OWNER SURFACE OWNER (Road and/or Other Disturbance) 		Print Name: 7	iona C Esteve	
SURFAC	LE OWNER (Road and/or Other Disturbance)	Date: 3.6.	15	
		Date: 3.6.	5	
□ SURFAC	CE OWNER (Road and/or Other Disturbance) WWNER (Impoundments/Pits) WWNER OR LESSEE	FOR EXECUT	ION BY A CORPORATION, ETC	
□ SURFAC	CE OWNER (Impoundments/Pits) OWNER OR LESSEE	FOR EXECUTE Company: By:	ION BY A CORPORATION, ETC	
□ SURFAC □ COAL C □ COAL O	CE OWNER (Impoundments/Pits) OWNER OR LESSEE	FOR EXECUTE Company: By: Its:	ION BY A CORPORATION, ETC	

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or the fine of the information may be disclosed to other State agencies or the fine of the information may be disclosed to other State agencies or the fine of the information may be disclosed to other State agencies or the fine of the information may be disclosed to other State agencies or the information may be disclosed to other State agencies or the information may be disclosed to other State agencies or the information may be disclosed to other State agencies or the information may be disclosed to other State agencies or the information may be disclosed to other State agencies or the information may be disclosed to other State agencies or the information may be disclosed to other State agencies or the information may be disclosed to other State agencies or the information may be disclosed to other State agencies or the information may be disclosed to other State agencies or the information may be disclosed to other state agencies or the information may be disclosed to other state agencies or the information may be disclosed to other state agencies or the information may be disclosed to other state agencies or the information may be disclosed to other state agencies of the information may be disclosed to other state agencies of the information may be disclosed to other state agencies of the information may be disclosed to other state agencies of the information may be disclosed to other state agencies of the information may be disclosed to other state agencies of the information may be disclosed to other state agencies of the information may be disclosed to other state agencies of the information may be disclosed to other state agencies of the information may be disclosed to other state agencies of the information may be disclosed to other state agencies of the information may be disclosed to other state agencies of the information may be disclosed to other state agencies of the information may be disclosed to other state agencies of 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 or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov. MAR 1 0 2015



WEST VIRGINIA DEPARTMENT OF TRANSPORTATION

Division of Highways

1900 Kanawha Boulevard East • Building Five • Room 110
Earl Ray Tomblin
Governor

Charleston, West Virginia 25305-0430 • (304) 558-3505

Paul A. Mattox, Jr., P. E. Secretary of Transportation/ Commissioner of Highways

November 5, 2014

James A. Martin, Chief Office of Oil and Gas Department of Environmental Protection 601 57th Street, SE Charleston, WV 25304

Subject: DOH Permit for the KST2HS Well Pad, Harrison County

Dear Mr. Martin,

This well site will be accessed from Permit #04-2014-0928 applied for by CNX Gas Company LLC for access to the State Road for a well site located off of Harrison County 35 SLS.

The operator has signed a DISTRICT WIDE OIL AND GAS ROAD MAINTENANCE BONDING AGREEMENT and provided the required Bond. This operator is currently in compliance with the DOH OIL AND GAS POLICY dated January 3, 2012.

Very Truly Yours,

Gary K. Clayton, P.E.

Regional Maintenance Engineer Central Office O&G Coordinator

Cc: Kelly Eddy

CONSOL Energy CH, OM, D-4

File

Received Office of Oil & Gas

NOV 06 2014

Section V - Planned Additives to be used in Fracturing or Stimulations

Type: Friction Reducer (DWP-612)

Chemical Component as listed on MSDS: Long Chain Polyacrylamide

CAS: N/A

Type: Biocide (DWP-944)

1st Chemical Component as listed on MSDS: 2,2-Dibromo-3-nitrilopropionamide

CAS: 10222-01-2

2nd Chemical Component as listed on MSDS: Polyethylene Glycol Mixture

CAS: 25322-68-3

Type: Scale Inhibitor (DAP-901)

1st Chemical Component as listed on MSDS: Methanol

CAS: 67-56-1

2nd Chemical Component as listed on MSDS: Phosphoric Acid Ammonium Salt

CAS: Trade Secret

3rd Chemical Component as listed on MSDS: Ammonium Chloride

CAS: 12125-02-9

4th Chemical Component as listed on MSDS: Organic Phosphonate

CAS: Trade Secret

5th Chemical Component as listed on MSDS: Amine Salt

CAS: Trade Secret

6th Chemical Component as listed on MSDS: Oxyalkylated Polyamine

CAS: Trade Secret

Type: Surfactant (DWP-938)

Chemical Component as listed on MSDS: Soap

CAS: N/A

Type: Hydrochloric Acid

Chemical Component as listed on MSDS: Hydrochloric Acid

CAS: 7647-01-0

Type: PA Breaker (DWP-690)

Chemical Component as listed on MSDS: Hydrogen Peroxide

CAS: Trade Secret

Type: Gel Slurry (DWP-111)

Chemical Component as listed on MSDS: Viscosifier

CAS: N/A

Type: Oxidizer Breaker (DWP-901)

Chemical Component as listed on MSDS: Ammonium Persulfate

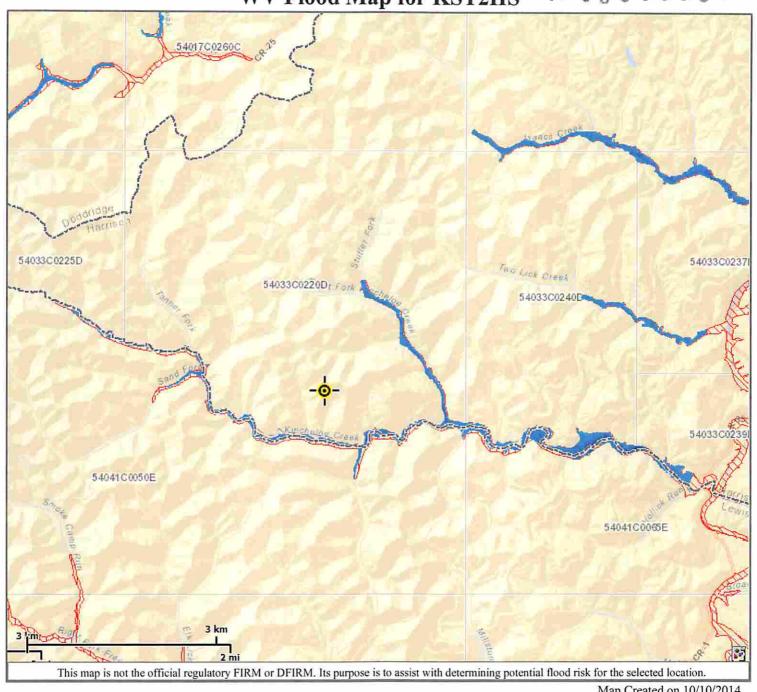
CAS: 7727-54-0

Type: Buffer (DWP-204)

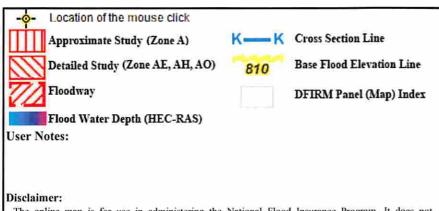
Chemical Component as listed on MSDS: Formic Acid

CAS: 64-18-6

WV Flood Map for KST2HS 4703305857



Map Created on 10/10/2014



The online map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. To obtain more detailed information in areas where Base Flood Elevations have been determined, users are encouraged to consult the latest Flood Profile data contained in the official flood insurance study. These studies are available online at www.msc.fema.gov.

WV Flood Tool is supported by FEMA, WV NFIP Office, and WV GIS Technical Center (http://www.MapWV.gov/flood)

Flood Hazard Area: Selected site is WITHIN the

FEMA 100-year floodplain. Advisory Flood Height: N/A

Water Depth: N/A

Elevation: About 1414 feet

Location (long, lat): 80.525650 W, 39.153663 N Location (UTM 17N): (540986, 4333936) FEMA Issued Flood Map: 54033C0220D

Contacts: Harrison County CRS Information: N/A

Received Flood Profile: No Profile

HEC-RAS Model: No ModeOffice of Oil & Gas

Parcel Number:

NOV 06 2014 05/29/2015



LOCATION MAP

ROJECT INFORMATION

MARK J. COFFINDAFFER

TOTAL PROPERTY AREA: (19.784 ACRES

OIL & GAS ROYALTY OWNER.
OHA G. HALL, ET AL.
TAX MAPPARCEL ZO-442-8
TOTAL PROPERTY AREA: 119.784 ACRES

SITE LOCATION:

THE KSTZHS SITE IS LOCATED NORTH OF KINCHELGE ROAD (CR 35) APPROXIMATELY 0.5 HILES WEST OF THE INTERSECTION OF COUNTY ROAD (0/10 & KINCHELGE ROAD (CR 35).





CNX GAS COMPANY LLC JANE LEW, WV 26378 ONE ENERGY DRIVE

KST2HS WELL S

API# 3305860 API# 3305859 API# 3305861 API# 3305858 API# 3305862 API# 3305857 API# 3305856

Blue Mountain Inc.

Engineers and Land Supervision /29/2015



LOCATION MAP

CNX GAS COMPANY LLC ONE ENERGY DRIVE JANE LEW, WV 26378

PAD CENTER LOCATION

MODIFICATION

NAD 83 - LAT: N 39° 09' 14.22"; LONG: W 80° 31' 30.79" NAD 27 - LAT: N 39° 09' 13.89"; LONG: W 80° 31' 31.45" UTM, NAD 83 - N: 4333968.027; E: 541022.946

ENTRANCE LOCATION

NAD NAD 27 - LAT: N 39° 08' 51.00"; LONG: W 80° 31' 40.08" 83 - LAT: N 39° 08' 51.33"; LONG: W 80° 31' 39.42' UTM, NAD83 - N: 4333261.431; E: 540819.480

HARRISON COUNTY, WEST VIRGINIA UNION DISTRICT,

DATE: APRIL 01, 2015

FLOODPLAIN NOTE

THE PROPOSED LIMITS OF DISTURBANCE FOR THIS PROJECT ARE NOT LOCATED IN A FLOOD ZONE, PER THE FLOOD INSURANCE RATE MAP (FIRM) NUMBER

54033C0220D

SHEET INDEX

SHEET INDEX ROAD PROFILES A SECTIONS

MISS UTILITY OF WEST VIRGINIA WAS NOTIFIED FOR THE LOCATING OF UTILITIES PRIOR TO THIS PROJECT DESIGN (TICKET NO. 1403100290). HI ADDITION, MISS UTILITY WILL BE CONTACTED PRIOR TO THE START OF THE

ENTRANCE PERMIT

CNX GAS COMPANY WILL OBTAIN AN ENCROACHMENT FERHIT (FORH MM-109) FROM THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION DIVISION OF HICHWAYS, PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES.

Blue Mountain Inc.

Engineers and Land Surveyors 11023 Mason Dixon Hwy. Burton, WV 26562-9656 (304) 662-6486



Know what's below.

Call before you dig.

NOTE: DRAWING WAS CREATED ON 22x34 PAPER, IIXI7 DRAWINGS ARE HALF SCALE, REFER TO SCALE BAR FOR PROPER SCALING

ENVIRONMENTAL NOTES

A WETLAND DELWEATION WAS DEBERGHED ON MARCH IO 8.11, 2014, BY BUE MOUNTAW INC. TO REVIEW THE SITE FOR WATERS AND WETLANDS THAT ARE HOST LIKELY WITHIN THE REGULATORY PURVIEW OF THE U.S. ARMY CORES OF ENGREERS AND/OR THE WEST VINGHUMA DEPARTHENT OF ENVIRONMENTAL FROTECTION. THE MARCH AD. 2014 REPORT FOR KSTETS, WHICH WAS PREPARED BY BLUE MOUNTAIN INC. SUMMARZES THE RESULTS OF THE FIELD DELINGATION. THE REPORT DOES NOT, IN ARM WAY, REPRESENT A JURISDICTIONAL DETERMINATION OF THE LANDWARD LINTS OF WATERS AND WETLANDS WHICH HAY BE REQULATED BY THE USACE ON WUNDER. IT IS PROCESSED. DESCRIBED BY THE REPORT PRIOR TO ENGAGING CONSTRUCTION ON THE PROPERTY DESCRIBED HEREIN. THE DEVELOPER SHALL OBTAIN THE APPROPRIATE PERPHIS TRAIN THE PEREDEAL AND/OR STATE RECULATORY AGENCIES PRIOR TO ANY PROPOSED IMPACTS TO WATERS OF THE U.S., INCLUDING WETLAND FILLS AND STREAM CROSSINGS CONSULTED IN AN EFFORT TO GAIN CONFIRMATION OF THE DELINEATION STRONGLY RECOMMENDED THAT THE AFOREMENTIONED AGENCIES BE

GEOTECHNICAL NOTES

A SUBSURFACE INVESTIGATION OF THE PROFOSED SITE WAS PERFORMED IN THE FIRLD BY RETITEW ASSOCIATES, INC. BETWEEN MAY 27 - JUNE 1, 2014. THE REPORTS PREPARED BY RETITEM ASSOCIATES, INC. DATED JUNE 30, 2014, REFLECTS HE RESULTS OF THE SUBSURFACE INVESTIGATION PLEASE REFER TO THE SUBSURFACE INVESTIGATION FLEASE. INFORMATION. AS NEEDED.

Motors Motors Motors Motors Motors

RESTRICTIONS

- THERE ARE NO NATURALLY PRODUCING TROUT STREAMS WITHIN 300"
- THE PAD & LOD.

 7. THERE ARE NO GROWNWATER INTAKE OR PUBLIC WATER SUPPLY FACILITES WITHIN 1000' OF THE PAD AND LOD.

 7. THERE ARE NO ENSIRYO WATER WELLS OR DEVELOPED SPRINGS WITHIN 250' OF THE WELLS BEND SOLLED.

 7. THERE ARE NO SCICINED DWELLNG STRUCTURES WITHIN 625' OF THE CENTER OF THE PAD.

 7. THERE ARE NO AGRICULTURAL BUILDINGS LARGER THAN 2.500 SQUARE FEET WITHIN 625' OF THE CENTER OF THE PAD.

CERTIFICATION:

I DO HERBY CERTIFY TO THE BEST OF MY MONABOR, INFORMATION AND BELUE, PHAT THE EBOSION AND SEDMENT CONTROL PLAN AND STER RESTORATION PLAN AND POST CONSTRUCT ON BIYE'S ARE TRUE AND CORRECT, REPRESENT ACTUAL FIELD CONSTRONT SAND ARE IN ACCORDANCE WITH THE WEST VIRGINIA CODE AND THE DEPARTMENTS AND ARE IN ACCORDANCE WITH THE WEST VIRGINIA CODE AND THE DEPARTMENTS BULLES AND REQULATIONS! I AM AWARE THAT THERE ARE SUMPLICANT FEMALTIES FOR SURHITTING PALSE INFORMATION, INCLUDING THE SIGNIFICANT PENALTIES FOR SUBMITTING PALSE INFORMATION, POSSIBILITY OF FINE AND IMPRISONMENT.

1. William of Joly

SIGNATURE

DATE 21/10/12

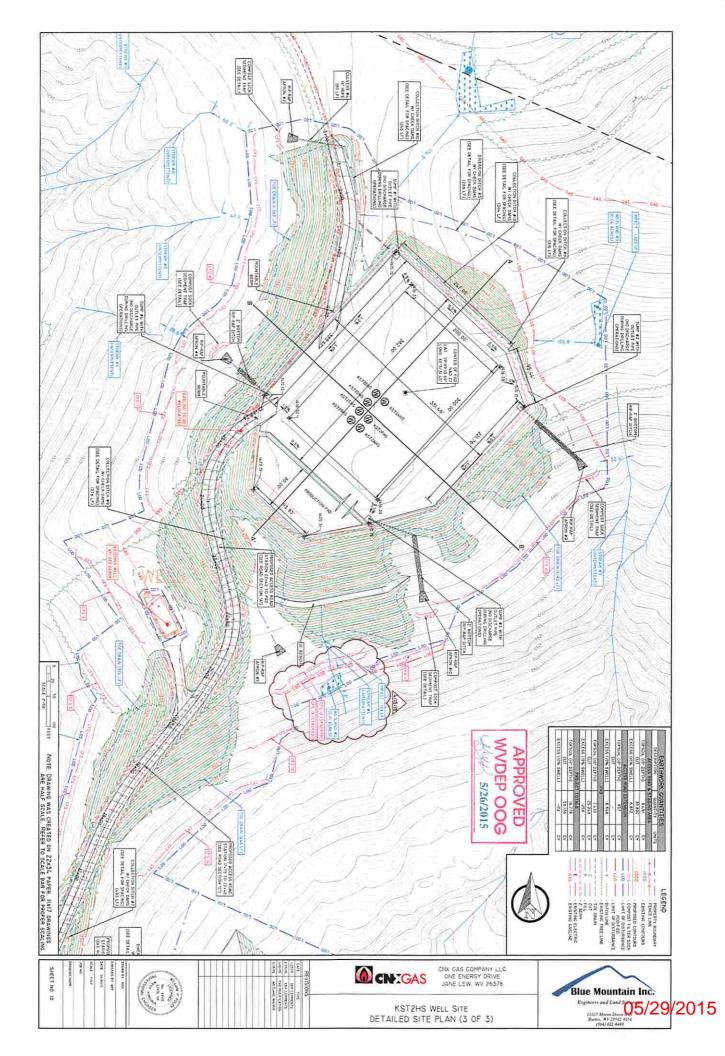
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WALLS IN A 12 42 484

CN:GAS

KST2HS WELL SITE COVER



GAS

ANY LLC

DRIVE

26378

LL SITE

CATION

LONG: W 80° 31' 30.79"

LONG: W 80° 31' 31.45"

027: E: 541022.946

CATION

LONG: W 80° 31' 39.42"

LONG: W 80° 31' 40.08"

431; E: 540819.480

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VEST VIRGINIA

R 09, 2014

ain Inc.

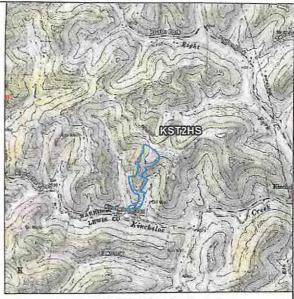
Surveyors

on Hwy. 2-9656

ou dig.

Additional Permits other agencies

10/8/2014



LOCATION MAP

BIG ISSAC 7.5M USGS DUADRANGLE

ENVIRONMENTAL NOTES

A WETLAND DELINEATION WAS PERFORMED ON MARCH 10 & 11, 2014 BY BLUE MOUNTAIN INC. TO REVIEW THE SITE FOR WATERS AND WETLANDS THAT ARE . MOST LIKELY WITHIN THE REGULATORY PURVIEW OF THE U.S. ARMY CORPS OF ENGINEERS AND/OR THE WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION. THE MARCH 20, 2014 REPORT FOR KST2HS, WHICH WAS PREPARED BY BLUE MOUNTAIN INC. SUMMARIZES THE RESULTS OF THE FIELD DELINEATION. THE REPORT DOES NOT, IN ANY WAY, REPRESENT A JURISDICTIONAL DETERMINATION OF THE LANDWARD LIMITS OF WATERS AND WETLANDS WHICH MAY BE REGULATED BY THE USACE OR WVDEP. IT IS STRONGLY RECOMMENDED THAT THE AFOREMENTIONED AGENCIES BE CONSULTED IN AN EFFORT TO GAIN CONFIRMATION OF THE DELINEATION DESCRIBED BY THE REPORT PRIOR TO ENGAGING CONSTRUCTION ON THE PROPERTY DESCRIBED HEREIN. THE DEVELOPER SHALL OBTAIN THE APPROPRIATE PERMITS FROM THE FEDERAL AND/OR STATE REGULATORY AGENCIES PRIOR TO ANY PROPOSED IMPACTS TO WATERS OF THE U.S., INCLUDING WETLAND FILLS AND STREAM CROSSINGS.

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- 3. THERE ARE NO EXISTING WATER WELLS OR DEVELOPED SPRINGS WITHIN 250' OF THE WELLS BEING DRILLED.
- 4. THERE ARE NO OCCUPIED DWELLING STRUCTURES WITHIN 625' OF THE CENTER OF THE PAD.
- 5. THERE ARE NO AGRICULTURAL BUILDINGS LARGER THAN 2,500 SQUARE FFFT WITHIN 625' OF THE CENTER OF THE PAD.

CERTIFICATION:

I DO HEREBY CERTIFY TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF, May be required from THAT THE EROSION AND SEDIMENT CONTROL PLAN AND SITE RESTORATION PLAN AND POST CONSTRUCTION BMPS ARE TRUE AND CORRECT, REPRESENT ACTUAL AND POST CONSTRUCTION BMPS ARE TRUE AND CORRECT, REPRESENT ACTUAL FIELD CONDITIONS AND ARE IN ACCORDANCE WITH THE WEST VIRGINIA CODE AND THE DEPARTMENT'S RULES AND REGULATIONS. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT.

> William Poly SIGNATURE: .

DATE: 09/09/2014

Sugineers and Land Surveyors 11023 Mason Dixon Hoy. Burton, WV 26562-9656 (304) 662-6486

CNX GAS COMPANY LLC ONE ENERGY DRIVE JANE LEW, WV 26378



SITE



1	



DOWN BY WSH

CHECKED BY WP DATE 09/09/IL

SCALE AS SHOWN

05/29/2015