

west virginia department of environmental protection

Office of Oil and Gas 601 57th Street, S.E. Charleston, WV 25304 (304) 926-0450 fax: (304) 926-0452 Jim Justice , Governor Austin Caperton , Cabinet Secretary www.dep.wv.gov

Tuesday, August 01, 2017 WELL WORK PERMIT Horizontal 6A / Fracture

CNX GAS COMPANY LLC POST OFFICE BOX 1248

JANE LEW, WV 263786506

Re: Permit approval for SHR 40 FHS

47-095-02214-00-00

This well work permit is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to any additional specific conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas Inspector.

Please be advised that form WR-35, Well Operators Report of Well Work is to be submitted to this office within 90 days of completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

Per 35 CSR 4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926-0450.

James A. Martin

Chief

Operator's Well Number: SHR 40 FHS

Farm Name: MAPEL, DAVID L. ET AL U.S. WELL NUMBER: 47-095-02214-00-00

Horizontal 6A / Fracture

Date Issued: 8/1/2017

Promoting a healthy environment.

API Number: 95-02214

PERMIT CONDITIONS

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

CONDITIONS

- 1. 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.
- 2. 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.
- 3. 24 hours prior to the initiation of the completion process the operator shall notify the Chief or his designee.
- During the completion process the operator shall monitor annular pressures and report any anomaly noticed to the chief or his designee immediately.
- 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.
- 6. The operator shall provide to the Office of Oil and Gas the dates of each of the following within 30 days of their occurrence: completion of construction of the well pad, commencement of drilling, cessation of drilling, completion of any other permitted well work, and completion of the well. Such notice shall be provided by sending an email to <u>DEPOOGNotify@wv.gov</u>.
- 7. The entire well pad shall be bermed so as to prevent runoff from leaving the pad during drilling and completion operations, including a mountable berm at pad entrance.

WW-6B (04/15)

API NO. 47-95 - 02214 F	
OPERATOR WELL NO.	SHR40FHS
Well Pad Name: SHR40	

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

l) Well Opera	tor: CNX G	SAS COMPA	ANY LLC	494458046	095-Tyler	Centervil	Shirley
				Operator ID	County	District	Quadrangle
2) Operator's	Well Numbe	r: SHR40FHS	3	Well P	ad Name: SHR	40	
3) Farm Name	/Surface Ow	ner: Noble E	nergy	Public Re	oad Access: Co	unty Rt.18	
4) Elevation, c	urrent groun	d: <u>771'</u>	E	levation, propose	d post-construc	tion: <u>771'</u>	
5) Well Type	(a) Gas Other	×		Un	derground Stora	age	-
	(b)If Gas	Shallow	х	Deep			
		Horizontal	x				
6) Existing Pa	d: Yes or No	Yes				DMG	44/24/17
•	•	ion(s), Depth 64' thick / 4	• • •	cipated Thickness	and Expected	Pressure(s):	
8) Proposed To	otal Vertical	Depth: 638	5				
9) Formation a			Marcellu	\$			
10) Proposed 7	Total Measur	red Depth:	16181'				
l 1) Proposed I	Horizontal L	eg Length:	8431'				
12) Approxima	ate Fresh Wa	iter Strata De	pths:	357'			
13) Method to	Determine I	resh Water I	Depths:	nearest offset w	ells		
4) Approxima	ate Saltwatei	Depths: No	one for no	oted offsets		····	
l 5) Approxim	ate Coal Sea	m Depths: N	lone				
l 6) Approxima	ate Depth to	Possible Voi	d (coal m	ine, karst, other):	None		
17) Does Prop directly overly				ms Yes	N	o <u>x</u>	······································
(a) If Yes, pr	ovide Mine	Info: Name	:				
•		Depth	:				
		Seam:				RECE	IVED
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WV Department of Environmental Protection Page 1 of 3

WW-6B	
(04/15)	

API NO. 47- 95	- 02214 F	
OPERATOR V	VELL NO. SHR40FHS	
Moll Bad Na	ma: SKR40	

18)

CASING AND TUBING PROGRAM

ТҮРЕ	Size (in)	New or Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling (ft)	INTERVALS: Left in Well (ft)	CEMENT: Fill-up (Cu. Ft.)/CTS
Conductor	20°	NEW	LS	94	40'	40'	GTS
Fresh Water	13 3/8"	NEW	J-55 54.5#	54.5	501'	501'	Lead 30.0 Tail 90.0
Coal							-
Intermediate	9 5/8"	NEW	HCK-55 36#	36.0	2238.7	2238.7	769
Production	5 1/2"	NEW	P-110 20#	20.0	16,172.6	16,172.6'	Lead 560 Tail 365
Tubing				••	- ,_		
Liners							

existical

DMH 4/24/17

ТҮРЕ	Size (in)	Wellbore Diameter (in)	<u>Wall</u> <u>Thickness</u> (in)	Burst Pressure (psi)	Anticipated Max. Internal Pressure (psi)	Cement Type	Cement Yield (cu. ft./k)
Conductor	20"	36"	0.438	2730			
Fresh Water	13 3/8"	17.5"	.380	2730		Class A	Lead 1.57 Tail 1.20
Coal							
Intermediate	9 5/8"	13 3/8"	.352	3520		Class A	1.18
Production	5 1/2"	8 3/4"	.361	12,640		Class A	Lead 1.58 Tail 1.27
Tubing							
Liners							

PACKERS

Kind:		
Sizes:		
Depths Set:		

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Office of Oil and Gas

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WV Department of Environmental Protection 08/04/2017

WW-6B
(10/14)

API NO. 47-95 - 02214	F
OPERATOR WELL NO.	SHR40FHS
Well Pad Name: see	

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

Well previously drilled by Noble Energy. Submitting permit application to complete hydraulic fracturing operations and produce the well.

DMH 4/24/17

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

The completions phase will be multiple stages 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 9,600 PSI, Max Rate 100 BPM

- 21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 0
- 22) Area to be disturbed for well pad only, less access road (acres): 0
- 23) Describe centralizer placement for each casing string:

PREVIOUSLY COMPLETED. From original NOBLE ENERGY submittal "Conductor- No centralizers used. Fresh Water/Surface- Bow spring centralizers every 3 joints to surface. Intermediate- Bow spring centralizers on every joint to KOP, one every third joint from KOP to 100' surface. Production - Rigid bow spring every third joint from KOP to TOC, rigid bow spring every joint to KOP"

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

PREVIOUSLY COMPLETED. From original Noble Energy submittal "Conductor - fill/soil to surface
Fresh Water - 15.6 ppg Type 1 cement +2% CaCl, 0.25# lost circ., 3-%excess yield =1.18. Intermediate- 15.6 ppg Class A +0.4% Ret, 0.15% Disp, 0.2% anti Foam, 0.125# sk Lost circ. 20% Excess Yield = 1.19 to surface. Production - 14.8 ppg Class A 25:75:0 System +2.6% cement Extender, 0.7% Fluid Loss additive, 0.45% high temp retarder, 0.2% friction reducer 10% excess yield=1.27 TOC>=200' above 9.625" shoe. See attached approved variance from WV DEP.

25) Proposed borehole conditioning procedures:

PREVIOUSLY COMPLETED. From original Noble Energy submittal Conductor - The hole is drilled w/air and casing is run in air. apart from insuring the hole is clean via air circulation at TD, There are no other conditioning procedures. Fresh Water/Surface - The hole is drilled w/air and casing is at setting depth, circulate a minimum of one hole volume prior to pumping cement. Intermediate - Once surface casing is set and cemented intermediate hole is drilled either on air or SOBM and filled w/ KCI water once filled w/ KCI water once drilled to TD. The well is conditioned with KCI circulation prior to running casing. Once casing is at setting depth, the well is circulated minimum of one hole volume prior to pumping between.

Production - The hole is drilled with synthetic oil base mud and once at TD the hole is circulated at a maximum allegacy and control of the column prior to pumping cement.

*Note: Attach additional sheets as needed.

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ALLIANCE PETROLEUM CORPORATION 4150 BELDEN VILLAGE AVE NW, SUITE 410 CANTON, OH 44718-2553

Re: Tyler County Hydraulic Fracturing Notice

CONSOL Energy Inc.

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

phone: (724) 485 – 4040 e-mail: PCR@consolenergy.com web: www.consolenergy.com

CNX GAS PRODUCTION TEAM

Dear Sir or Madam.

CNX Gas Company LLC (CNX) has developed a Marcellus pad SHR40HS located in Tyler County, West Virginia. Through CNX's evaluation pursuant to WV Code 35 CSR 8(5.11), you have been identified as the owner or operator of a well within a 500' radius of the surface location or lateral section of the wellbore. Due to the apparent presence of unique geological conditions, communication between CNX hydraulic fracturing operations and the identified well is a possibility. As an owner or operator of a conventional natural gas well in this area, we are requesting your assistance in monitoring for changes that would indicate communication between your well(s) and our planned operation.

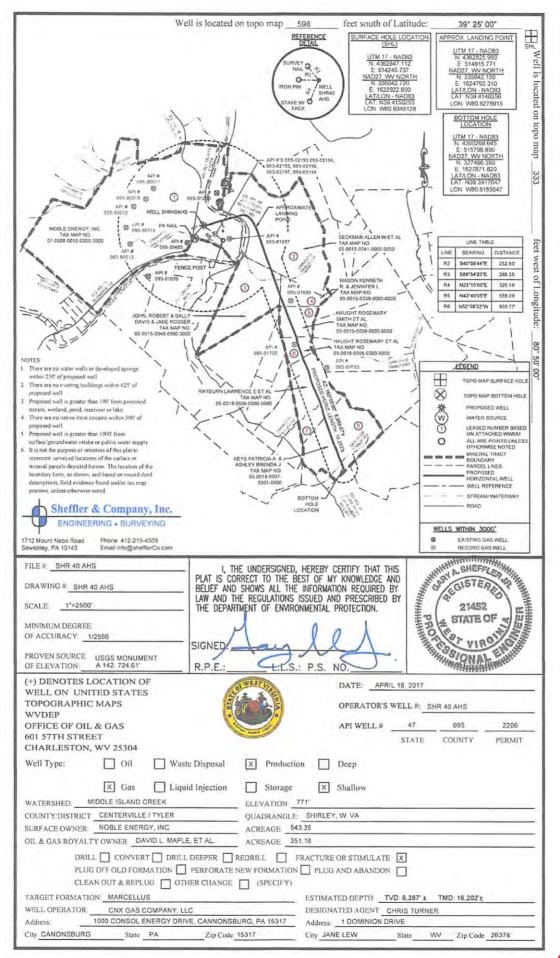
CNX anticipates conducting hydraulic fracturing activity at the SHR40HS Pad beginning as early as 3rd Quarter 2017 (July-September) and potentially continuing through 4th Quarter 2017 (October-December). Plats for each well being hydraulically fractured on this pad are included for your reference.

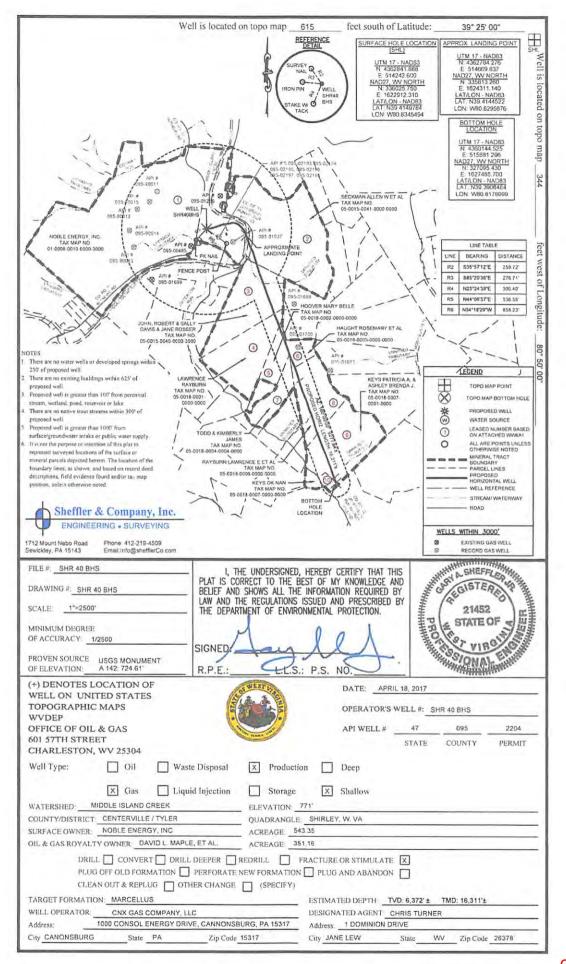
We recommend that conventional operators conduct the following activities before, during, and after fracturing operations.

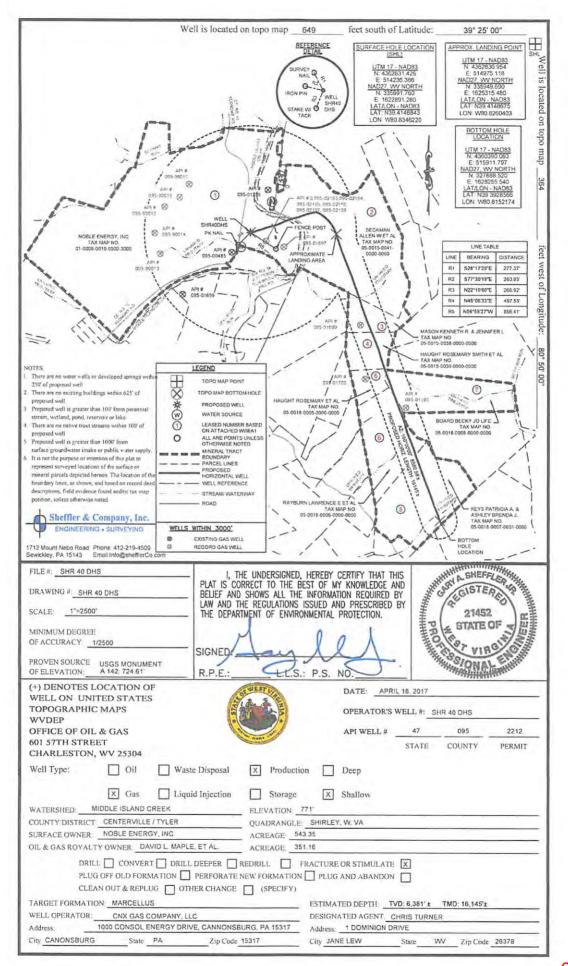
- Inspect surface equipment prior to fracturing, to establish mechanical integrity and confirm well conditions.
- Monitor wells during and after fracturing and monitor for abnormal increases in fluid, gas, or pressure.
- Inspect and upgrade master valves or other necessary equipment for wellhead integrity as you see fit.
- Notify the OOG and CNX if any changes in fluid, gas production, pressure, or other conditions that cause abnormal risk or concern.

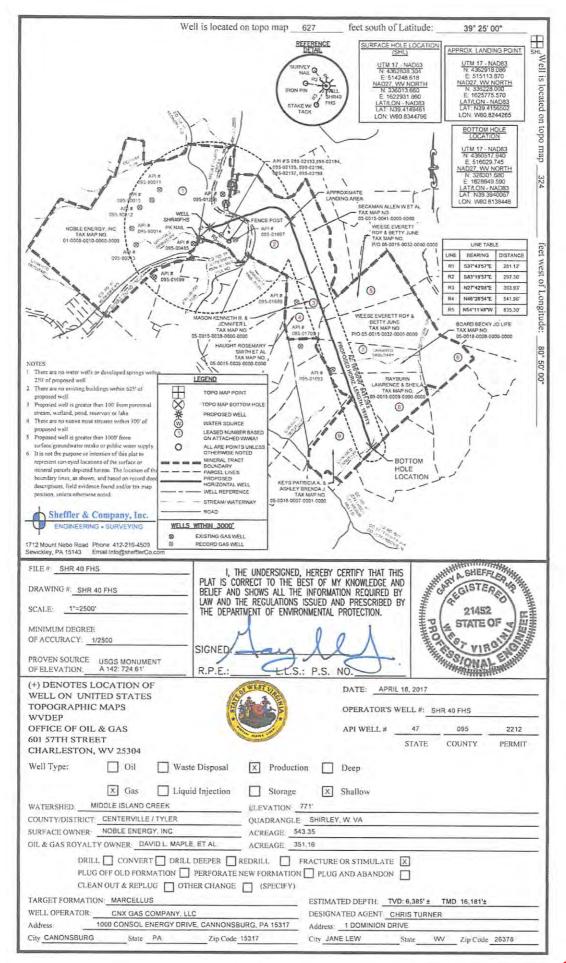
Please feel free to contact CNX's Production Control Room at 724-485-4040 (staffed 24/7) with any questions or comments. You may also contact the West Virginia Office of Oil and Gas at 304-926-0499.

Sincerely, CNX Production









API Number	47 -	95	-	02298			
One	rator's	Well No	s	UD404UC	540	405	HS

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name CNX GAS COMPANY LLC	OP Code 494458046
Watershed (HUC 10) Headwaters Middle Island Creek Quadr	
Do you anticipate using more than 5,000 bbls of water to complete the proj	
Will a pit be used? Yes No	
If so, please describe anticipated pit waste:no utilization of a pit	
Will a synthetic liner be used in the pit? Yes No	If so, what ml.?
Proposed Disposal Method For Treated Pit Wastes:	
Land Application Underground Injection (UIC Permit Number_ Reuse (at API Number_at next anticipated wells SHR3 A,B,C,D. Off Site Disposal (Supply form WW-9 for disponent of the Carplain_No drilling activity, unused frac water will to the control of the Carplain_No drilling activity, unused frac water will to the control of the carplain_No drilling activity.	4709502193, 4709502124, 470952194, 4709502195 osal location)
Will closed loop system be used? If so, describe: NA	
Drilling medium anticipated for this well (vertical and horizontal)? Air, fre	shwater, oil based, etc. NA No Drilling
-If oil based, what type? Synthetic, petroleum, etc. NA No Drilling	
Additives to be used in drilling medium? NA No Drilling	
Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc.	NA No Drilling
-If left in pit and plan to solidify what medium will be used? (cem	ent, lime, sawdust) NA
-Landfill or offsite name/permit number? NA	
Permittee shall provide written notice to the Office of Oil and Gas of any lo West Virginia solid waste facility. The notice shall be provided within 24 h where it was properly disposed.	
I certify that I understand and agree to the terms and conditions of on August 1, 2005, by the Office of Oil and Gas of the West Virginia Depart provisions of the permit are enforceable by law. Violations of any term of law or regulation can lead to enforcement action. I certify under penalty of law that I have personally examined application form and all attachments thereto and that, based on my in obtaining the information, I believe that the information is true, accurate penalties for submitting false information, including the possibility of fine of	rtment of Environmental Protection. I understand that the or condition of the general permit and/or other applicable and am familiar with the information submitted on this quiry of those individuals immediately responsible for e, and complete. I am aware that there are significant
Company Official Signature Want Vauly	
Company Official (Typed Name) Matt Hanley	
Company Official Title Manager - Permitting	
Subscribed and sworn before me this 17th day of Such day of	Notary Public Figure 1 P. O. G. P. O. G. P. G. P
My commission expires 12.11.17	My Consider to MANAGEM IN

WW-9 (9/13)

API Number 47 - 095 -	
Operator's Well No. SHR 40 AHS	

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name_Noble Energy, Inc. OP Code 494501907
Watershed (HUC 10) Headwaters Middle Island Creek Quadrangle Shirley
Elevation 771' County 095-Tyler District Centerville
Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes No
If so, please describe anticipated pit waste: closed loop-no utilization of a pit
Will a synthetic liner be used in the pit? Yes No If so, what ml.?
Proposed Disposal Method For Treated Pit Wastes:
Land Application Underground Injection (UIC Permit Number see attached sheet Reuse (at API Number at next anticipated well Off Site Disposal (Supply form WW-9 for disposal location) Other (Explain
Will closed loop system be used? If so, describe: <u>Yes</u>
Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc.
-If oil based, what type? Synthetic, petroleum, etc. Synthetic
Additives to be used in drilling medium? Please see attached sheet
Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc
-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust)
-Landfill or offsite name/permit number? please see attached sheet
I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action. I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.
Company Official Signature Company Official Signature
Company Official (Typed Name) Kirn Ward/Dee Swiger Russ of Ward Oil and Gas
Company Official Title Regulatory Analyst
Subscribed and sworm before me this 24 day of Sept - 2014
Subscribed and sworn before me this 24 day of 10 day of
/y commission expires 09/19/2023 Environmental 1999

Seed Type all Fescue adino Clover	Permanent
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08/04/2017





95-02214F

Safety Plan for SHR40 Well Pad

Wells SHR40AHS, SHR40BHS, SHR40DHS, SHR40FHS

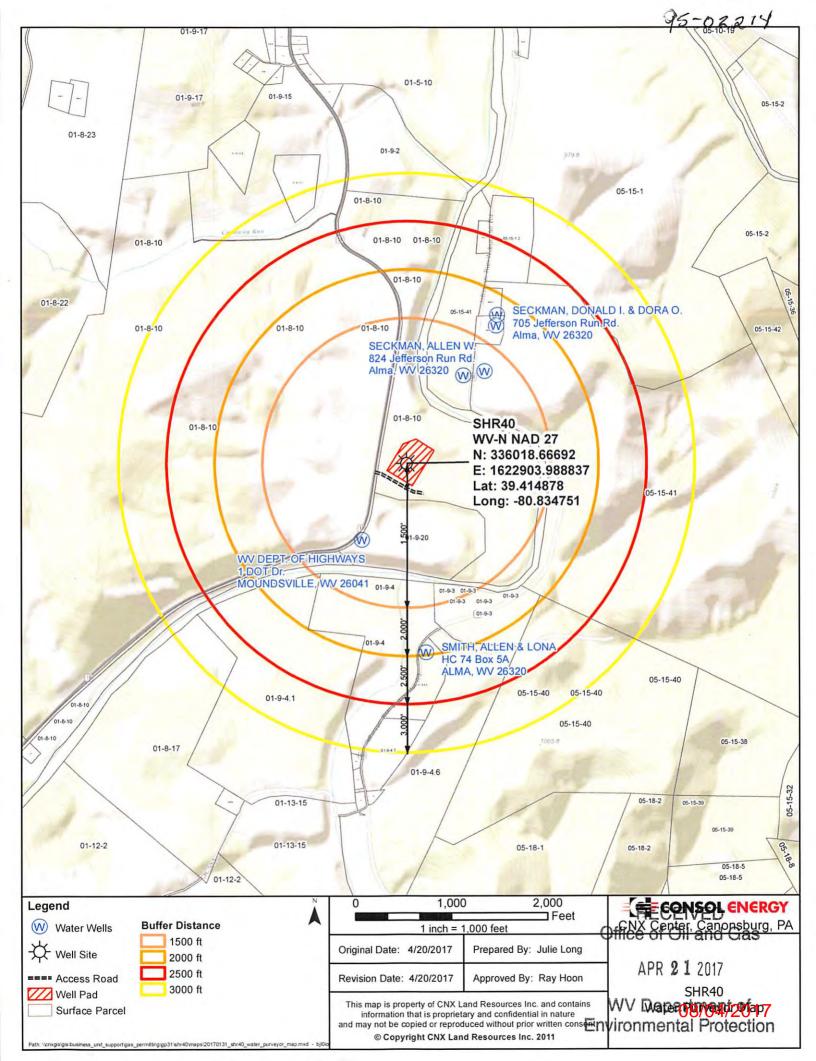
CNX Gas Company LLC

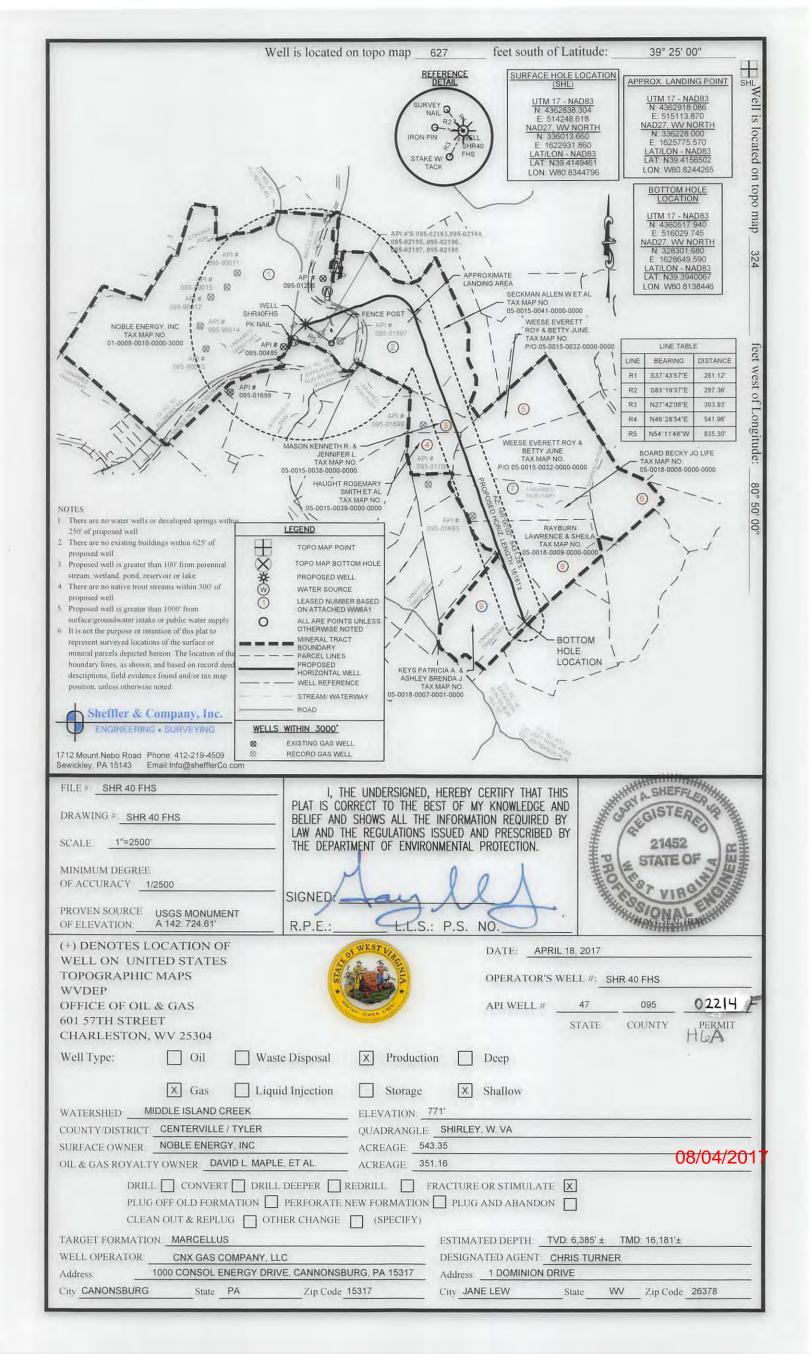


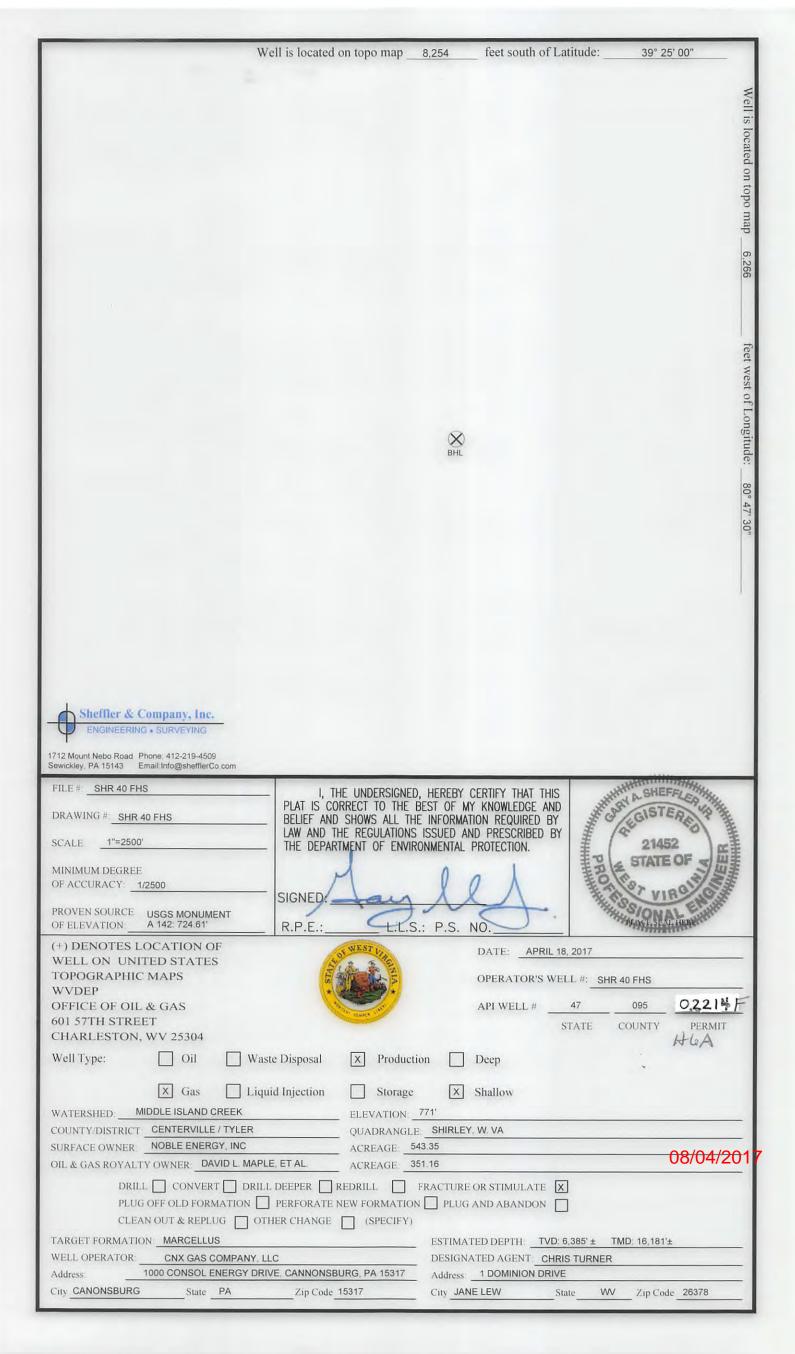
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Office of Oil and Gas

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WV Depalion 77
Environmental Protection







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:

Lease Name or				
Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page

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: Matt Hanley

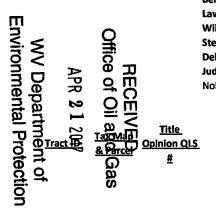
Its: Manager - Permitting

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		Tiele				
Tract ID	Tax Map & Parcel	Title Opinion QLS	Grantor, Lessor, etc	<u>Grantee, Lessee, etc</u>	Royalty	Book/Page
1	1-8-10	279251000	David H. Weekley and Linda C. Weekley, h/w	Antero Resources Corporation	Not less than 1/8	507/246
			Daniel A. Weekley and Suzanne L. Weekly, h/w	Antero Resources Corporation	Not less than 1/8	507/241
			Antero Resources Corporation	CNX Gas Company and Noble Energy, Inc.	Assignment	534/460
			AMP Fund III, LP	Noble Energy, Inc.	Not less than 1/8	527/465
			Noble Energy, Inc.	CNX Gas Company LLC	Assignment	534/483
	Тах Мар	<u>Title</u>			200	
Tract ID	& Parcel	Opinion QLS #	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
2	5-15-41	108628000	Lillie Seckman	Drilling Appalachian Corporation	Not less than 1/8	268/457
			George V. Myers and Merle V. Myers, h/w	Drilling Appalachian Corporation	Not less than 1/8	273/278
			Drilling Appalachian Corporation	Antero Resources Appalachian Corporation	Assignment	401/499
			Drilling Appalachian Corporation	Antero Resources Corporation	Corrective Assignment	421/138
			Antero Resources Corporation	CNX Gas Company and Noble Energy, Inc.	Assignment	422/517
			Noble Energy, Inc.	CNX Gas Company	Assignment	550/273
			Allen W. Seckman and Nancy J. Seckman, h/w	Noble Energy, Inc.	Not less than 1/8	465/594
			Noble Energy, Inc.	CNX Gas Company	Assignment	550/273
		Title				
Tract ID	<u>Kax Map</u>	Opinion QLS	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
3	5-15-38	108503000	Kenneth R. Mason and Jennifer L. Mason, h/w	Acropolis, Inc.	Not less than 1/8	331/475
			Acropolis, Inc.	Drilling Appalachian Corporation	Assignment	331/483
			Drilling Appalachian Corporation	Antero Resources Appalachian Corporation	Assignment	391/416
			Antero Resources Corporation	CNX Gas Company and Noble Energy, Inc.	Assignment	422/517
			Noble Energy, Inc.	CNX Gas Company	Assignment	550/273
		Title				
Tract ID	Tax Map & Parcel	Opinion QLS	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
4	5-15-39	261710000	Rosemary Haught	Drilling Appalachian Corporation	Not less than 1/8	331/102
		Aug and	Drilling Appalachian Corporation	Antero Resources Appalachian Corporation	Assignment	391/416
			Drilling Appalachian Corporation	Antero Resources Corporation	Corrective Assignment	421/130
			Antero Resources Corporation	CNX Gas Company and Noble Energy, Inc.	Assignment	422/517
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Noble Energy, Inc.	CNX Gas Company	Assignment	550/273
Larry Henthorn	Noble Energy, Inc.	Not less than 1/8	465/588
Noble Energy, Inc.	CNX Gas Company	Assignment	550/273
Alice and George Swiger, h/w	Drilling Appalachian Corporation	Not Less than 1/8	331/206
Mabel Seckman	Drilling Appalachian Corporation	Not Less than 1/8	331/210
Dorothy Owens, individually and as Attorney in Fact for Denzil Ownes, h/w	Drilling Appalachian Corporation	Not Less than 1/8	331/214
Nina and George Kennedy, h/w	Drilling Appalachian Corporation	Not Less than 1/8	331/244
Fayetta J. Griffin	Drilling Appalachian Corporation	Not Less than 1/8	331/248
Laura V. Gibson	Drilling Appalachian Corporation	Not Less than 1/8	331/344
Kathleen U. Birklein	Drilling Appalachian Corporation	Not less than 1/8	331/348
Jim and Lisa Seckman, h/w	Drilling Appalachian Corporation	Not less than 1/8	331/402
Robert L. Underwood	Drilling Appalachian Corporation	Not less than 1/8	331/406
Florence Seckman	Drilling Appalachian Corporation	Not less than 1/8	331/479
Sandra and Donald Treadway, h/w	Drilling Appalachian Corporation	Not less than 1/8	331/779
Violet Seckman, by Sandra L. Treadway, Power of Attorney	Drilling Appalachian Corporation	Not Less than 1/8	331/783
Drilling Appalachian Corporation	Antero Resources Appalachian Corporation	Assignment	391/416
Drilling Appalachian Corporation	Antero Resources Corporation	Corrective Assignment	421/130
Antero Resources Corporation	CNX Gas Company and Noble Energy, Inc.	Assignment	422/517
Noble Energy, Inc.	CNX Gas Company	Assignment	550/273
Cleta D. Shook	Noble Energy, Inc.	Not less than 1/8	449/766
Jack A. and Jeanne Seckman, h/w	Noble Energy, Inc.	Not less than 1/8	449/768
Lewis W. and Helen Seckman, h/w	Noble Energy, Inc.	Not less than 1/8	449/758
Holly Dudash	Noble Energy, Inc.	Not less than 1/8	444/63
John and Beverly Dudash	Noble Energy, Inc.	Not less than 1/8	444/67
Gary B. Solak	Noble Energy, Inc.	Not less than 1/8	444/65
Karen J. Solak	Noble Energy, Inc.	Not less than 1/8	449/762
Delores and Ernest Church	Noble Energy, Inc.	Not less than 1/8	446/81
Rosalee and Joseph C. Snyder, h/w	Noble Energy, Inc.	Not less than 1/8	449/756
Ray B. and Nancy Mosser, h/w	Noble Energy, Inc.	Not less than 1/8	449/760
Bernice Collins	Noble Energy, Inc.	Not less than 1/8	449/764
Lawrence D. and Diana Mossor, h/w	Noble Energy, Inc.	Not less than 1/8	453/643
William and Rita Mossor, h/w	Noble Energy, Inc.	Not less than 1/8	453/541
Steve and Barbara Poling	Noble Energy, Inc.	Not less than 1/8	453/631
Debbie Sword	Noble Energy, Inc.	Not less than 1/8	458/761
Judy Burdine	Noble Energy, Inc.	Not less than 1/8	458/769
Noble Energy, Inc.	CNX Gas Company	Assignment	550/273



5	, 7	5-15-32	238357000	Grantor, Lessor, etc Everett Roy Weese and Betty June Weese, h/w KEPCO, Inc.	Grantee, Lessee, etc KEPCO, Inc. Swift Energy Company	Royalty Not less than 1/8 Assignment (50%)	Book/Page 232/30 254/5
				KEPCO	Union Drilling, Inc.	Merger	WV Sec of State
				Union Drilling Inc.	Equitable Resources Exploration, Inc.	Name Change	WV Sec of State
				Equitable Resources Exploration, Inc.	Swift Energy Company	Assignment (50%)	275/566
				Swift Energy Company	Swift Energy Income Partners 1987-D Ltd. (34%) Swift Energy Income Partners 1988-A Ltd. (33%) Swift Energy Income Partners 1988-B Ltd. (22%) Swift Energy Income Partners 1988-1 Ltd. (11%)	Assignment	287/352
				Swift Energy Income Partners 1987-D Ltd. (34%) Swift Energy Income Partners 1988-A Ltd. (33%) Swift Energy Income Partners 1988-B Ltd. (22%) Swift Energy Income Partners 1988-1 Ltd. (11%)	Peake Energy, Inc.	Assignment	319/291
				Swift Energy Income Partners 1987-D Ltd. (34%) Swift Energy Income Partners 1988-A Ltd. (33%) Swift Energy Income Partners 1988-B Ltd. (22%) Swift Energy Income Partners 1988-1 Ltd. (11%)	Peake Energy, Inc.	Corrective Assignment	321/652
				Peake Energy, Inc.	North Coast Energy Eastern, Inc.	Name Change	WV Sec of State
				North Coast Energy Eastern, Inc.	EXCO - North Coast Energy Eastern, Inc.	Name Change	WV Sec of State
				EXCO Resources (WV), LLC	EXCO Resources (WV), Inc. (49.75%) EXCO Resources (PA), Inc. (0.5%) BG Production Company (WV), LLC (49.75%)	Assignment	374/808
				EXCO Resources (WV), Inc. (49.75%)	EXCO Production Company (WV), LLC (49.75%)	Name Change	WV Sec of State
				EXCO Production Company (WV), LLC (49.75%) EXCO Resources (PA), Inc. (0.5%) BG Production Company (WV), LLC (49.75%)	Antero Resouces Corporation	Assignment	406/195
		C		Antero Resources Corporation Noble Energy, Inc.	CNX Gas Company LLC and Noble Energy, Inc. CNX Gas Company LLC	Assignment Assignment	422/5 1 7 550/273
≶		RECEIVED Office of Oil and Gas		Gloria Morris	Four Leaf Land Company	Not less than 1/8	397/669
<	_			Ralph T. Sweeney and Shelley A. Sweeney	Four Leaf Land Company	Not less than 1/8	397/675
J	APR	0 10		Donald Lee Sweeney	Four Leaf Land Company	Not less than 1/8	370/605
Ď	Ž	¥ 0	l	Rodger A. Sweeney	Four Leaf Land Company	Not less than 1/8	370/611
WV Denartment of	69	RECEIVED of Oil and		Devon Ruth Horsley (Sweeney)	Four Leaf Land Company	Not less than 1/8	370/629
⊋		<u></u>	•	Anna Sweeney	Four Leaf Land Company	Not less than 1/8	370/635
₹	2017	3 E		LaMoyne Sweeney	Four Leaf Land Company	Not less than 1/8	370/617
4	17	a D	1	Four Leaf Land Company	Antero Resources Appalachian Corporation	Assignment	403/566
→		Q		Antero Resources Corporation	CNX Gas Company LLC and Noble Energy, Inc.	Assignment	422/517
쏙		as		Noble Energy, Inc.	CNX Gas Company LLC	Assignment	550/273

WV Department of Environmental Protection

Environmental Protection	WV Department of
3	

				Four Leaf Land Company	Antero Resources Appalachian Corporation	Not less than 1/8	403/561
				Antero Resources Corporation	CNX Gas Company LLC and Noble Energy, Inc.	Assignment	422/517
				Noble Energy, Inc.	CNX Gas Company LLC	Assignment	550/273
				Mary Sue Furbee Zebley	Noble Energy, Inc.	Not less than 1/8	440/447
				Thomas Val Furbee and Katherine Shelek-Furbee, h/w	Noble Energy, Inc.	Not less than 1/8	440/443
				Allison McKay Hardin (Allison Furbee Herring)	Noble Energy, Inc.	Not less than 1/8	440/453
				Rani J. Boyt	Noble Energy, Inc.	Not less than 1/8	445/835
				Noble Energy, Inc.	CNX Gas Company LLC	Assignment	484/288
				Noble Energy, Inc.	CNX Gas Company LLC	Assignment	550/273
	Tract ID	Tax Map & Parcel	<u>Title</u> <u>Opinion QLS</u>				
	6	5-18-8	<u>#</u> 108567000	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
				Leota B. McKinney and Lester McKinney, h/w	Drilling Appalachian Corporation	Not less than 1/8	330/237
				Howard Stubbs and Nelda Stubbs, h/w	Drilling Appalachian Corporation	Not less than 1/8	330/241
				Marvin G. Board and Becky Jo Board, h/w	Drilling Appalachian Corporation	Not less than 1/8	330/426
				Robert Travis and Carol Travis, h/w	Drilling Appalachian Corporation	Not less than 1/8	330/487
				Creal Hoover	Drilling Appalachian Corporation	Not less than 1/8	330/491
				Joseph Travis and Carole Travis, h/w	Drilling Appalachian Corporation	Not less than 1/8	330/511
				Eva Jean Hoover	Drilling Appalachian Corporation	Not less than 1/8	330/542
				Glenda Gregory	Drilling Appalachian Corporation	Not less than 1/8	330/546
				Drilling Appalachian Corporation	Antero Resources Appalachian Corporation	Assignment	391/416
				Drilling Appalachian Corporation	Antero Resources Corporation	Corrective Assignment	421/130
				Antero Resources Corporation	CNX Gas Company LLC and Noble Energy, Inc.	Assignment	422/517
				Noble Energy, Inc.	CNX Gas Company LLC	Assignment	550/273
				Josephine Spencer and David Spencer, h/w	Drilling Appalachian Corporation	Not less than 1/8	330/233
				Walter Seckman and Eva Seckman, h/w	Drilling Appalachian Corporation	Not less than 1/8	330/430
				Michael Fisher	Drilling Appalachian Corporation	Not less than 1/8	330/503
				Joe Seckman	Drilling Appalachian Corporation	Not less than 1/8	330/507
				Antonia Underwood	Drilling Appalachian Corporation	Not less than 1/8	330/550
				Camella Ash	Drilling Appalachian Corporation	Not less than 1/8	330/575
				Jill Robinson	Drilling Appalachian Corporation	Not less than 1/8	330/579
		\circ		Donna Wolther	Drilling Appalachian Corporation	Not less than 1/8	330/742
5		¥		Jennifer Sexson	Drilling Appalachian Corporation	Not less than 1/8	330/657
?		ਨੂੰ		Drilling Appalachian Corporation	Antero Resources Appalachian Corporation	Assignment	401/499
	A	<u> </u>		Drilling Appalachian Corporation	Antero Resources Corporation	Corrective Assignment	421/138
5	ž	오 [[Antero Resources Corporation	CNX Gas Company LLC and Noble Energy, Inc.	Assignment	422/517
2	APR 2 1 2017	RECEIVED Office of Oil and		Noble Energy, Inc.	CNX Gas Company LLC	Assignment	550/273
Ť	- 2	<u>a</u>		Kimberly Dawn Jackson	Drilling Appalachian Corporation	Not less than 1/8	395/795
3	. <u>°</u>	ŽΠ		Scott Seckman	Drilling Appalachian Corporation	Not less than 1/8	395/797
<u> </u>	7			James F. Bonnell and Jacqueline S. Bonnell, h/w	Drilling Appalachian Corporation	Not less than 1/8	409/253
4		Gas					

48-63-14F

ALPEO-GA

W. Truett Smith, Frank Rose and George S. Finley	W.E. Pope	Assignment	216/304
	•	•	• -
W. Truett Smith, Frank Rose and George S. Finley	W.E. Pope	Assignment	216/307
W.F. Tucker	W.E. Pope	Assignment	163/216
Joe H. Foy	W.E. Pope	Assignment	216/303
Archie Bean	W.E. Pope	Assignment	216/306
W.E. Pope	Judith A. Pope, as Executrix	Recital in Assignment	311/655
Estate of W.E. Pope, acting through Independent Executrix	Drilling Appalachian Corporation	Assignment	311/655
Judith A. Pope	Drining Appaiachan Corporation	Assignment	311/033
R.C. Crabb	Southwest Savings and Loan Association	Assignment	176/264
Southwest Savings and Loan Association	Hugh Spencer	Assignment	Unrecorded
Spencer Enterprises, by Hugh Spencer, owner	Drilling Appalachian Corporation	Assignment	315/466
Mary Hanz	Drilling Appalachian Corporation	Assignment	313/243
Drilling Appalachian Corporation	Antero Resources Appalachian Corporation	Assignment	391/416
Drilling Appalachian Corporation	Antero Resources Appalachian Corporation	Corrective Assignment	421/130
Antero Resources Corporation	CNX Gas Company LLC and Noble Energy, Inc.	Assignment	422/517
Noble Energy, Inc.	CNX Gas Company LLC	Assignment	550/273

REGEIVED
Office of Oil and Gas



Matthew Hanley
Manager – Gas Permitting
CONSOL Energy Inc.
1000 CONSOL Energy Drive
Canonsburg, PA 15317

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

RE: Road Letter - SHR 40 Well Pad Rework Applications

To Whom It May Concern:

CNX Gas Company LLC has the right to drill, stimulate and produce wells that are drilled under the County and State Roads as designated on the plats.

Should you have any questions or need additional information, please do not hesitate to contact me at <u>matthanley@consolenergy.com</u> or 724-485-3011.

Sincerely,

Matthew Hanley

CNX Gas Company LLC

Wanter

REGEIVED
Office of Oil and Gas

APR 2 1 2017

WV Department of Environmental Brotection

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

Date of Notic	ce Certification:	API No. 47- 95	API No. 47- 95 - 02214		
		Operator's Well	No. SHR40FHS		
		Well Pad Name:	SHR40		
Notice has l	oeen given:				
		§ 22-6A, the Operator has provided the required	parties with the Notice Forms listed		
	tract of land as follows:				
State:	West Virginia	UTM NAD 83 Easting: 514245.			
County:	095-Tyler	Northing: 436284			
District:	Centerville	Public Road Access: County			
Quadrangle:	Shirley	Generally used farm name: Noble E	nergy, Inc		
Watershed:	Headwaters Middle Island Creek				
it has provid information r of giving the requirements Virginia Cod	ed the owners of the surface descri- equired by subsections (b) and (c), so surface owner notice of entry to su of subsection (b), section sixteen of	chall contain the following information: (14) A country bed in subdivisions (1), (2) and (4), subsection extion sixteen of this article; (ii) that the requirent urvey pursuant to subsection (a), section ten of this article were waived in writing by the subsection of and certify to the secretary that the tent.	(b), section ten of this article, the nent was deemed satisfied as a resul- this article six-a; or (iii) the notice rface owner; and Pursuant to Wes		
that the Ope	West Virginia Code § 22-6A, the Operator has properly served the require ECK ALL THAT APPLY	perator has attached proof to this Notice Certificated parties with the following:	OOG OFFICE USE ONLY		
☐ 1. NO	TICE OF SEISMIC ACTIVITY or	■ NOTICE NOT REQUIRED BECAUSE N SEISMIC ACTIVITY WAS CONDUCTED	O RECEIVED/ NOT REQUIRED		
П					
□ 2. NO	TICE OF ENTRY FOR PLAT SURV	VEY or 🔳 NO PLAT SURVEY WAS CONDU	CTED RECEIVED		
	TICE OF INTENT TO DRILL or	VEY or NO PLAT SURVEY WAS CONDU NOTICE NOT REQUIRED BECAUSE NOTICE OF ENTRY FOR PLAT SURVEY WAS CONDUCTED or	RECEIVED RECEIVED NOT REQUIRED		
		☐ NOTICE NOT REQUIRED BECAUSE NOTICE OF ENTRY FOR PLAT SURVEY	☐ RECEIVED/ NOT REQUIRED		
□ 3. NO	TICE OF INTENT TO DRILL or	☐ NOTICE NOT REQUIRED BECAUSE NOTICE OF ENTRY FOR PLAT SURVEY WAS CONDUCTED or ☐ WRITTEN WAIVER BY SURFACE ON	☐ RECEIVED/ NOT REQUIRED		
□ 3. NO	TICE OF INTENT TO DRILL OF NO DRILLING	☐ NOTICE NOT REQUIRED BECAUSE NOTICE OF ENTRY FOR PLAT SURVEY WAS CONDUCTED or ☐ WRITTEN WAIVER BY SURFACE ON	☐ RECEIVED/ NOT REQUIRED		

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:

above, to the re signature confir in this Notice obtaining the in	at as required under West Virgin equired parties through personal mation. I certify under penalty of Certification and all attachment	nia Code § 22- service, by real of law that I hat ts, and that be rmation is true	-6A, I have segistered mail ve personally ased on my ite, accurate an	I the notice requirements within West Virginia Code § 22- erved the attached copies of the Notice Forms, identified I or by any method of delivery that requires a receipt or examined and am familiar with the information submitted inquiry of those individuals immediately responsible for d complete. I am aware that there are significant penalties onment.
Well Operator:	CNX GAS COMPANY LLC	-	Address:	1000 Consol Energy Dr
By:	Matt Hanley Mouse Name	in		Canonsburg, PA 15317
Its:	Manager - Permitting		Facsimile:	
Telephone:	724-485-3011		Email:	Matthanley@consolenergy.com
FRA	AROXWNOTARY SEALLYMIA NOTAHIAL SEAL SHETIRI J KURAN NOTARY Public NKLIN TWR., GREENE COUNTY DIMMISSION Expires Dec 11, 2017		cribed and swe	orn before me this 9th day of July 2017. Notary Public xpires 12-11-17

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 and Gas

APR 2 1 2017

08/04/2017 WV Department of Environmental Protection WW-6A (9-13)

API NO. 47- 95	- 02214	F
OPERATOR WE	ELL NO.	SHR40FHS
Well Pad Name:	SHR40	

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 than the filing date of permit application. Date of Notice: 4/20/17 Date Permit Application Filed: 4/20/17 Notice of: PERMIT FOR ANY ☐ CERTIFICATE OF APPROVAL FOR THE WELL WORK CONSTRUCTION OF AN IMPOUNDMENT OR PIT Delivery method pursuant to West Virginia Code § 22-6A-10(b) ☐ PERSONAL REGISTERED ☑ METHOD OF DELIVERY THAT REQUIRES A SERVICE MAIL RECEIPT OR SIGNATURE CONFIRMATION Pursuant to W. Va. Code § 22-6A-10(b) no later than the filing date of the application, the applicant for a permit for any well work or for a certificate of approval for the construction of an impoundment or pit as required by this article shall deliver, by personal service or by registered mail or by any method of delivery that requires a receipt or signature confirmation, copies of the application, the erosion and sediment control plan required by section seven of this article, and the well plat to each of the following persons: (1) The owners of record of the surface of the tract on which the well is or is proposed to be located; (2) The owners of record of the surface tract or tracts overlying the oil and gas leasehold being developed by the proposed well work, if the surface tract is to be used for roads or other land disturbance as described in the erosion and sediment control plan submitted pursuant to subsection (c), section seven of this article; (3) The coal owner, operator or lessee, in the event the tract of land on which the well proposed to be drilled is located [sic] is known to be underlain by one or more coal seams; (4) The owners of record of the surface tract or tracts overlying the oil and gas leasehold being developed by the proposed well work, if the surface tract is to be used for the placement, construction, enlargement, alteration, repair, removal or abandonment of any impoundment or pit as described in section nine of this article; (5) Any surface owner or water purveyor who is known to the applicant to have a water well, spring or water supply source located within one thousand five hundred feet of the center of the well pad which is used to provide water for consumption by humans or domestic animals; and (6) The operator of any natural gas storage field within which the proposed well work activity is to take place. (c)(1) If more than three tenants in common or other co-owners of interests described in subsection (b) of this section hold interests in the lands, the applicant may serve the documents required upon the person described in the records of the sheriff required to be maintained pursuant to section eight, article one, chapter eleven-a of this code. (2) Notwithstanding any provision of this article to the contrary, notice to a lien holder is not notice to a landowner, unless the lien holder is the landowner. W. Va. Code R. § 35-8-5.7.a requires, in part, that the operator shall also provide the Well Site Safety Plan ("WSSP") 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. ☑ Application Notice ☑ WSSP Notice ☑ E&S Plan Notice ☑ Well Plat Notice is hereby provided to: ☐ COAL OWNER OR LESSEE M SURFACE OWNER(s) Name: Noble Energy, Inc. Name: Address: 1000 Noble Energy Drive Address: Canonsburg, PA 15317 Name: COAL OPERATOR Address: Name: Address: ☐ SURFACE OWNER(s) (Road and/or Other Disturbance) Name: M SURFACE OWNER OF WATER WELL AND/OR WATER PURVEYOR(s) Address: Name: Allen W. Seckman Address: 824 Jefferson Run Rd. Name: Alma, WV 26320 Address: ☐ OPERATOR OF ANY NATURAL GAS STORAGE FIELD ☐ SURFACE OWNER(s) (Impoundments or Pits) Name: Name: Address: Address: *Please attach additional forms if necessary

WW-6A (9-13)

API NO. 47- 95	02214	F
OPERATOR WELL	NO.	SHR40FHS
Well Pad Name: SHR	40	

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 than the filing date of permit application.

Date of Notice: 4/20/17 Date Permit Application Filed: 9/20/17 Notice of: PERMIT FOR ANY ☐ CERTIFICATE OF APPROVAL FOR THE WELL WORK CONSTRUCTION OF AN IMPOUNDMENT OR PIT Delivery method pursuant to West Virginia Code § 22-6A-10(b) ☐ PERSONAL REGISTERED ☑ METHOD OF DELIVERY THAT REQUIRES A SERVICE RECEIPT OR SIGNATURE CONFIRMATION MAIL Pursuant to W. Va. Code § 22-6A-10(b) no later than the filing date of the application, the applicant for a permit for any well work or for a certificate of approval for the construction of an impoundment or pit as required by this article shall deliver, by personal service or by registered mail or by any method of delivery that requires a receipt or signature confirmation, copies of the application, the erosion and sediment control plan required by section seven of this article, and the well plat to each of the following persons: (1) The owners of record of the surface of the tract on which the well is or is proposed to be located; (2) The owners of record of the surface tract or tracts overlying the oil and gas leasehold being developed by the proposed well work, if the surface tract is to be used for roads or other land disturbance as described in the erosion and sediment control plan submitted pursuant to subsection (c), section seven of this article; (3) The coal owner, operator or lessee, in the event the tract of land on which the well proposed to be drilled is located [sic] is known to be underlain by one or more coal seams; (4) The owners of record of the surface tract or tracts overlying the oil and gas leasehold being developed by the proposed well work, if the surface tract is to be used for the placement, construction, enlargement, alteration, repair, removal or abandonment of any impoundment or pit as described in section nine of this article; (5) Any surface owner or water purveyor who is known to the applicant to have a water well, spring or water supply source located within one thousand five hundred feet of the center of the well pad which is used to provide water for consumption by humans or domestic animals; and (6) The operator of any natural gas storage field within which the proposed well work activity is to take place. (c)(1) If more than three tenants in common or other co-owners of interests described in subsection (b) of this section hold interests in the lands, the applicant may serve the documents required upon the person described in the records of the sheriff required to be maintained pursuant to section eight, article one, chapter eleven-a of this code. (2) Notwithstanding any provision of this article to the contrary, notice to a lien holder is not notice to a landowner, unless the lien holder is the landowner. W. Va. Code R. § 35-8-5.7.a requires, in part, that the operator shall also provide the Well Site Safety Plan ("WSSP") 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. ☑ Application Notice ☑ WSSP Notice ☑ E&S Plan Notice ☑ Well Plat Notice is hereby provided to: M SURFACE OWNER(s) COAL OWNER OR LESSEE Name: Noble Energy, Inc Name: Address: 1000 Noble Energy Drive Address: Canonsburg, PA 15317 Name: COAL OPERATOR Address: Name: Address: ☐ SURFACE OWNER(s) (Road and/or Other Disturbance) Name: ☑ SURFACE OWNER OF WATER WELL AND/OR WATER PURVEYOR(s) Address: Name: WV Department of Highways Address: 1 DOT Drive Name: Moundsville, WV 26041 Address: ☐ OPERATOR OF ANY NATURAL GAS STORAGE FIELD ☐ SURFACE OWNER(s) (Impoundments or Pits) Name: REGEIVED Address: Name: Office of Oil and Gas Address: *Please attach additional forms if necessary APR 2 1 2017

WV Department of Environmenta 08/04/20017

WW-6A
(8-13)

API NO. 47- 95 - 02214	F
OPERATOR WELL NO.	SHR40FHS
Well Pad Name: SHR40	

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 <u>www.dep.wv.gov/oil-and-gas/pages/default.aspx</u>.

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 104 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 must 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. 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 Areas 2sther 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 structures are inadequate or otherwise required to the control of t WW-6A (8-13) API NO. 47-95 -02214F
OPERATOR WELL NO. SHR40FHS
Well Pad Name: SHR40

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.

W	W-	-6A
(8-	13)

API NO. 47-95 - 02214	F
OPERATOR WELL NO.	SHR40FHS
Well Pad Name: SHR40	

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.

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Office of Oil and Gas

APR 2 1 2017

WV Department of 017
Environmental Protection

WW-6A (8-13) API NO. 47-95 -02214 F
OPERATOR WELL NO. SHR40FHS
Well Pad Name: SHR40

Notice is hereby given by:

Well Operator: CNX GAS COMPANY LLC

Telephone: 724-485-3011
Email: MattHanley@consolenergy.com

Address: 1000 CONSOL ENERGY DRIVE

Canonsburg, PA 15317

Facsimile:

Oil and Gas Privacy Notice:

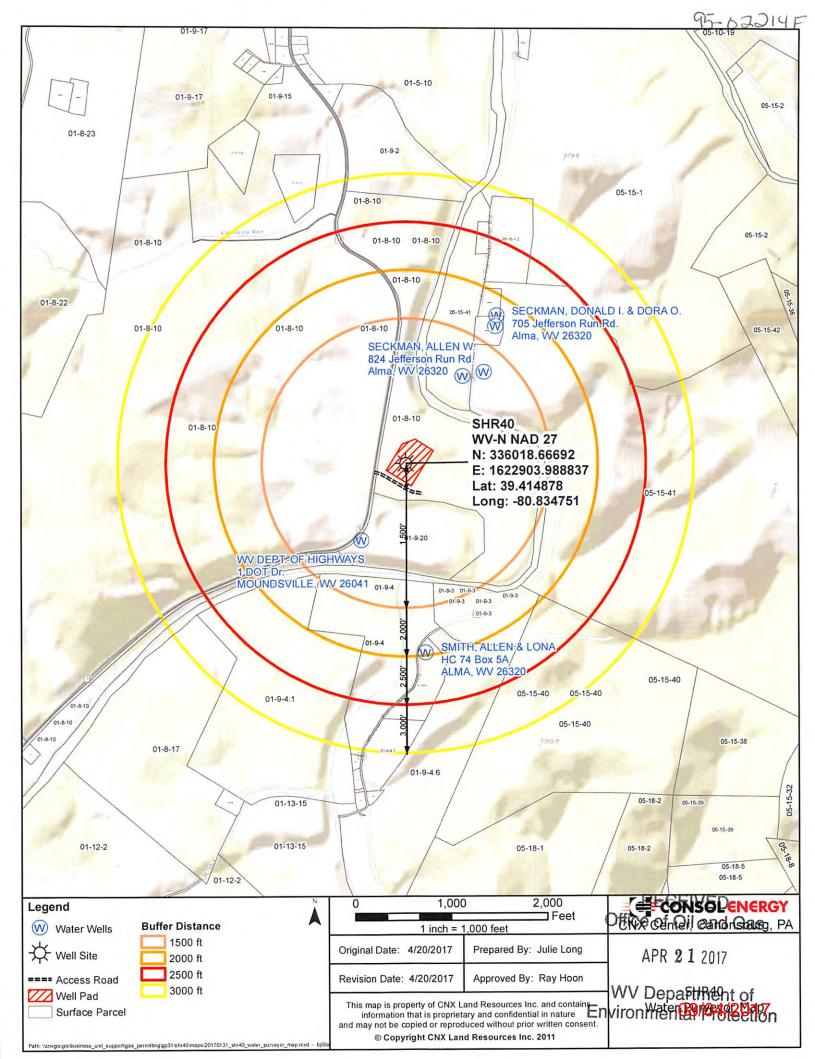
The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory 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.

COMMONWEALTH OF PENNSYLVANIA

NOTARIAL SEAL
SHERRI J KURAN
Hotary Public
FRANKLIN TWP., GREENE COUNTY
My Commission Expires Dec 11, 2017

Subscribed and sworn before me this 1th day of Subscribed 2017.

Notary Public My Commission Expires 12:11:17



WW-6A5 (1/12) Operator Well No. SHR40FHS

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

	thod pursuant to West Virginia	Code § 2	22-6A-16(c)		
■ CERTI	FIED MAIL	П	HAND		
	RN RECEIPT REQUESTED	_	DELIVERY		
return receipt the planned of required to be drilling of a damages to tl (d) The notic of notice. Notice is her (at the addres Name: Noble Ene	t requested or hand delivery, give operation. The notice required be provided by subsection (b), secti horizontal well; and (3) A propose surface affected by oil and gas the required by this section shall be reby provided to the SURFACE as listed in the records of the sherif	the surfa by this su on ten of sed surfa operation e given to	ace owner whose lan absection shall inclu- if this article to a sur- ace use and compen- ns to the extent the do the surface owner	d will be used for de: (1) A copy face owner who sation agreement amages are comat the address li	ication, an operator shall, by certified mail for the drilling of a horizontal well notice of a finish code section; (2) The information se land will be used in conjunction with the nt containing an offer of compensation for appensable under article six-b of this chapter. Issted in the records of the sheriff at the time
Canonaburg, PA 1531	7		-		
Notice is her Pursuant to V	reby given: West Virginia Code § 22-6A-16(c)				well operator has developed a planned act of land as follows:
Notice is her Pursuant to V	reby given:		of drilling a horizont	al well on the tra	
Notice is her Pursuant to V operation on State:	reby given: West Virginia Code § 22-6A-16(c) the surface owner's land for the p		of drilling a horizont UTM NAD	Easting: Northing:	act of land as follows:
Notice is her Pursuant to V operation on State: County: District:	reby given: West Virginia Code § 22-6A-16(c) the surface owner's land for the p West Virginia 095-Tyler Centerville		of drilling a horizont UTM NAD Public Road	Easting: Northing: Access:	act of land as follows: 514245.726 4362847.122 County Rt.18
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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.

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APR 2 1 2017

WV Department 88/04/2017 Environmental Protection



WEST VIRGINIA DEPARTMENT OF TRANSPORTATION

Division of Highways
1900 Kanawha Boulevard East • Building Five • Room 110 Charleston, West Virginia 25305-0430 • (304) 558-3505

Thomas J. Smith, P. E. Secretary of Transportation/ Commissioner of Highways

February 28, 2017

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 SHR-40 Pad, Tyler County SHR-40 Well Site

47-095-02214

Dear Mr. Martin,

Jim Justice

Governor

The West Virginia Division of Highways has transferred Permit #06-2013-0420 for the subject site to CNX Gas Company LLC, for access to the State Road for the well site located off of WV Route 18 in Tyler County.

The operator has signed an 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

Regional Maintenance Engineer Central Office Oil & Continuator

Day K. Clayton

Office of Oil and Gas

Cc: Ray Hoon

CNX Gas Company LLC

CH, OM, D-6

File

APR 21 2017

WV Department of **Environmental Protection** 08/04/2017

Section V – Proposed Additives to be used in Fracturing or Stimulations

Type: Water CAS: 7732-18-5

Type: Silica CAS: 14808-60-7

Type: Hydrochloric Acid CAS: 7647-01-0

Type: Copolymer of Two Propenamide CAS: 69418-26-4

Type: Petroleum distillate CAS: 64742-47-8

Type: Glutaraldehyde CAS: 111-30-8

Type: Ethylene glycol CAS: 107-21-1

Type: Diethylene glycol mono n-butyl ether CAS: 112-34-5

Type: Oleic acid diethanolamide CAS: 93-83-4

Type: Alcohols, C12-16, ethoxylated CAS: 68551-12-2

Type: Quaternary ammonium compound CAS: 68424-85-1

Type: Ammonium chloride CAS: 12125-02-9

Type: Short chained glycol ether CAS: 112-34-5

Type: Ethoxylated (C10-16) alcohols CAS: 68002-97-1

Type: Metanol CAS: 67-56-1

Type: Formaldehyde CAS: 50-00-0

Type: Thiourea CAS: 62-56-6

Type: Acetophenone CAS: 98-86-2

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Office of Oil and Gas

APR 21 2017

WV Department of Environmental Protection



LOCATION MAP

PROPERTY OWNERS

- JAMES L HOWARD 01-08-0010 4804 HATHAWAY DR. FRANKLIN, OH 45005
- DAVID & LINDA WEEKLEY 01-08-0010 2908 MACON ST SOUTH CHARLESTON, WV 25303
- DANIEL & SUZANNE WEEKLEY 01-08-0010
 NICOLE DR GLASTON BURY, CT 6073
- JOHN JAMES HOWARD LIVING TRUST 01-08-0010 2750 WESTFAIR AVE LANCASTER, OH 43130
- JOSEPH HOWARD 01-08-0010
 WOODLAND PARK DR PARKERSBURG, WV 26104



NOBLE ENERGY, INC.
333 TECHNOLOGY DRIVE, SUITE II6
CANONSBURG, PA 15317
TEL: (724) 820-3000

SHR40 WELL SITE

WELL SITE LOCATION

NAD 83 - LAT: N 39°24'54.057"; LONG: W 80°50'03.975"

NAD 27 - LAT: N 39°24'53.768"; LONG: W 80°50'04.595"

ENTRANCE LOCATION

NAD 83 - LAT: N 39°24'52.809"; LONG: W 80°50'08.464"

NAD 27 - LAT: N 39°24'52.520"; LONG: W 80°50'09.084"

SHIRLEY QUADRANGLE
TYLER COUNTY, WEST VIRGINIA
DATE: MARCH 24, 2015



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

NOTE: DRAWING WAS CREATED ON 22X34 PAPER. HXI7 DRAWINGS ARE HALF SCALE, REFER TO SCALE BAR FOR PROPER SCALING.



LOCATION MAP

Transfered to CNX Gas Company 3/28/2017



SHEET INDEX	
DRAWING NUMBER	DRAWING NAME
1	COVER SHEET
2,3	AS-BUILT CONDITIONS PLAN
4.5	AS-BUILT CONDITIONS PLAN W/ ORTH

Blue Mountain Inc.

NOBLE ENERGY
333 TECHNOLOGY DRIVE. SUITE
CANONSBURG, PA 15317

Ne noble energy

SHR4(

REVISIONS

GIANN ST DEC
MECAD BY MCH
ATE 65/24/8
CCALE AS SIGNM

DRAWING NAME
EHRAD COMPLETE ASSULT DWG
SHEET 1 OF 5

