



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

Harold D. Ward, Cabinet Secretary
www.dep.wv.gov

Thursday, December 16, 2021
WELL WORK PERMIT
Horizontal 6A / New Drill

CNX GAS COMPANY LLC
1000 CONSOL ENERGY DR
CANONSBURG, PA 15370

Re: Permit approval for SHR37NHSM
47-095-02771

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: SHR37NHSM
Farm Name: CNX GAS COMPANY LLC
U.S. WELL NUMBER: 47-095-02771
Horizontal 6A New Drill
Date Issued: 12/16/2021

Promoting a healthy environment.

12/17/2021

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. This proposed activity may require permit coverage from the United States Army Corps of Engineers (USACE). Through this permit, you are hereby being advised to consult with USACE regarding this proposed activity.
2. If the operator encounters an unanticipated void, or an anticipated void at an unanticipated depth, the operator shall notify the inspector within 24 hours. Modifications to the casing program may be necessary to comply with W. Va. Code § 22-6A-5a (12), which requires drilling to a minimum depth of thirty feet below the bottom of the void, and installing a minimum of twenty (20) feet of casing. Under no circumstance should the operator drill more than one hundred (100) 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. 24 hours prior to the initiation of the completion process the operator shall notify the Chief or his designee.
8. During the completion process the operator shall monitor annular pressures and report any anomaly noticed to the chief or his designee immediately.
9. 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.
10. 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.

API Number: _____

PERMIT CONDITIONS

11. 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 DEPOOGNotify@wv.gov.

12/17/2021

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

1) Well Operator: CNX GAS COMPANY LLC 494458046 TYLER Centerville West Union
Operator ID County District Quadrangle

2) Operator's Well Number: SHR37NHSM Well Pad Name: SHR37

3) Farm Name/Surface Owner: CNX Gas Company LLC Public Road Access: Duckworth Ridge Road

4) Elevation, current ground: 828' Elevation, proposed post-construction: 828'

5) Well Type (a) Gas Oil Underground Storage

Other _____

(b) If Gas Shallow Deep

Horizontal

6) Existing Pad: Yes or No Yes

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):
Target formation is Marcellus Shale @ 6290'-6337' TVD, 47' thick, expected formation pressure ~4000 psi

8) Proposed Total Vertical Depth: 6302' TVD at TD (dependent upon formation dip)

9) Formation at Total Vertical Depth: Marcellus Shale (will not penetrate Onondaga)

10) Proposed Total Measured Depth: 18,417' MD at TD

11) Proposed Horizontal Leg Length: 11,537'

12) Approximate Fresh Water Strata Depths: 92', 126', 144', 148', 150', 176', 220'

13) Method to Determine Fresh Water Depths: Offset water well information

14) Approximate Saltwater Depths: 1748', 2458'

15) Approximate Coal Seam Depths: No mineable coal seams; trace @ 154', 526', 618', 955', 992', 1044'

16) Approximate Depth to Possible Void (coal mine, karst, other): None anticipated

17) Does Proposed well location contain coal seams directly overlying or adjacent to an active mine? Yes _____ No

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(a) If Yes, provide Mine Info: Name: _____ NOV 15 2021

Depth: _____ WV Department of

Seam: _____ Environmental Protection

Owner: _____

Cragin Blevins
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Date: 2021.11.09 11:37:36 -05'00'

18) CASING AND TUBING PROGRAM

TYPE	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	L/S	<94.0	129	100	96 / CTS
Fresh Water	13.375	New	J-55	54.5	370	370	278 CTC
Coal	13.375	New	J-55	54.5	370	370	278 / CTS
Intermediate	9.625	New	J-55	36	5132	5132	1,725 / CTS
Production	5.5	New	P-110	20	18,417	18,417	3,754 / TOC @ 2,100
Tubing	2.375	New	J-55	4.7	Above assumes RF = 29'	TBD	N/A
Liners	N/A						

gcb/1/17/21

TYPE	Size (in)	Wellbore Diameter (in)	Wall Thickness (in)	Burst Pressure (psi)	Anticipated Max. Internal Pressure (psi)	Cement Type	Cement Yield (cu. ft./k)
Conductor	20	30	0.375	N/A	N/A	Type 1	1.18
Fresh Water	13.375	17.5	0.380	2,730	<500	Class A	1.19
Coal	13.375	17.5	0.380	2,730	<500	Class A	1.19
Intermediate	9.625	12.25	0.352	3,520	<2,815	Class A	1.19
Production	5.5	8.75 x 8.5	0.361	14,340	~10,000 during frac	Class A or H	1.10
Tubing	2.375	N/A	0.190	7,700	N/A	N/A	N/A
Liners	N/A						

PACKERS

Kind:	Mechanical			
Sizes:	9.625"			
Depths Set:	2600'			

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

Utilize conductor rig to set 20" conductor into solid rock and cement back to surface. MIRU drilling rig. Air drill 17-1/2" hole. Run and cement 13-3/8" fresh water casing. Note that there are no known mineable coal seams in this area. Air drill 12-1/4" hole. Run and cement 9-5/8" intermediate casing. Air drill 8-3/4" production hole to curve KOP (this section is typically directionally drilled with a slant/tangent profile for anti-collision and for lateral spacing). Displace hole with 12.0-12.8 ppg SOBMs. Drill 8-1/2" curve from KOP to landing point. Continue drilling 8-1/2" lateral to TD (geosteer this section to remain in Marcellus target window). Perform clean-up cycle to condition well. Run and cement 5-1/2" production casing. Suspend well and skid to next well or RDMO drilling rig.

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

Run CBL to ~60 degrees in the curve and back to surface to determine production casing TOC. Test production casing and toe prep well. MIRU stimulation/hydraulic fracturing equipment. Fracture well by pumping required number of stages utilizing plug-and-perf method. Max anticipated treating pressure is ~11,000 psi and max anticipated treating pump rate is ~100 bpm. Number of stages and stage spacing to be finalized after drilling. After last stimulation stage, drill out frac plugs and clean-out well to PBD. Flow back and clean-up well. Tie well into production. Run tubing when required.

21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 8.5

22) Area to be disturbed for well pad only, less access road (acres): 8

23) Describe centralizer placement for each casing string:

Fresh water string: centralize shoe joint and every other joint to surface - utilize bow spring centralizers.
Intermediate string: centralize shoe joint and every 3rd joint to surface - utilize bow spring centralizers.
Production string: centralize every joint from shoe to TOC - utilize single piece/rigid bow centralizers.
Actual centralizer placement may be changed based on hole conditions.

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

Fresh water/coal string: Class A cement with 1%-3% CaCl₂ and 1/4 pps cello-flake/LCM. Intermediate string: Class A cement with 0%-2% CaCl₂ and 1/4 pps cello-flake/LCM. Production string: Class A or H cement or Class H: Poz blend with dry blend and/or liquid additives including retarder, suspension agent, gas block, defoamer, fluid loss control, extender, dispersant, anti-settling agent. Actual cement blends may vary slightly depending upon cementing service company utilized.

25) Proposed borehole conditioning procedures:

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Date: 2021.11.09 11:38:18 -05'00'

Air sections are typically vertical holes - will ensure the hole is clean at section TD prior to TOOH to run casing (may require mist and/or soap to clean the hole). For the production hole - once at TD, circulate at max flowrate with max rotation until the shakers clean-up (typically requires multiple bottoms-up). For the production casing - once on bottom with casing, circulate a minimum of one hole volume prior to pumping cement.

*Note: Attach additional sheets as needed.

SHR37 Cement Additives

Fresh water string: Class A cement with 1%-3% CaCl₂ and 1/4 pps cello-flake/LCM.
Intermediate string: Class A cement with 0%-2% CaCl₂ and 1/4 pps cello-flake/LCM.
Production string: Class A or Class H with dry blend and/or liquid additives including retarder, suspension agent, gas block, defoamer, fluid loss control, extender, dispersant, anti-settling agent. Actual cement blends may vary slightly depending upon cementing service company utilized.

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12/17/2021

Figure 4. A list of all wells within a 1000' buffer around the laterals have been reviewed and listed below.

Api10	CurrentOperator	WellName	CurrentStatu	TotalDept	FormationAtTE
4701704124	KEY OIL COMPANY	C. DOTSON 2	ACTIVE	5216	BENSON
4701702359	RITCHIE PETROLEUM CORPORATION, INC.	HAMMER, L G 1	ACTIVE	2300	WEIR
4701702514	RITCHIE PETROLEUM CORPORATION, INC.	MONTGOMERY, JOHN 1	ACTIVE	2380	WEIR
4701703859	HARPER CROSBY HOLDINGS, LLC	JAMES 1	ACTIVE	5091	BENSON
4701704162	KEY OIL COMPANY	SHEPHERD 2	ACTIVE	5532	BENSON
4701704160	KEY OIL COMPANY	MILLER 1	ACTIVE	5320	BENSON
4701704187	RITCHIE PETROLEUM CORPORATION, INC.	SHEPHERD, CARROLL	ACTIVE	2050	INJUN
4701703253	GREYLOCK CONVENTIONAL	MCCUTCHAN, WILLIAM PAUL J-794	ACTIVE	5578	BENSON
4701704200	MURVIN & MEIER OIL CO.	CARL JAMES 1	ACTIVE	5350	BENSON
4701704161	KEY OIL COMPANY	SHEPHERD 1	ACTIVE	5336	BENSON
4701704123	KEY OIL COMPANY	C. DOTSON 1	ACTIVE	5436	BENSON
4701702361	RITCHIE PETROLEUM CORPORATION, INC.	HAMMER, L. G. 2	ACTIVE	2366	WEIR
4701703559	DIVERSIFIED GAS & OIL PLC	WAGNER 1 182-S	ACTIVE	4951	RILEY
4701703018	GREYLOCK CONVENTIONAL	MCCUTCHAN, WILLIAM P. J-513	ACTIVE	5305	BENSON
4701704126	KEY OIL COMPANY	A. DOTSON 2	ACTIVE	5375	BENSON
4701703249	GREYLOCK CONVENTIONAL	MCCUTCHAN, WILLIAM PAUL J-795	ACTIVE	5363	BENSON
4701702964	GREYLOCK CONVENTIONAL	HAMMER, LORENA J-390	ACTIVE	5267	BENSON
4701703829	DIVERSIFIED GAS & OIL PLC	WAGNER 3-184-S	ACTIVE	5150	BENSON
4709500831	GREYLOCK CONVENTIONAL	PRATT, A. E. - ESTATE J-315	ACTIVE	5512	BENSON
4709501170	GREYLOCK CONVENTIONAL	2515 JK-1282	ACTIVE	5530	BENSON
4709501207	DIVERSIFIED GAS & OIL PLC	WAGNER 2 183-S	ACTIVE	5056	BENSON
4709500925	GREYLOCK CONVENTIONAL	MCCUTCHAN, W. PAUL J-515	ACTIVE	5428	BENSON
4709501204	DIVERSIFIED GAS & OIL PLC	HARRIS, DANNY & PATRICIA WVGK-2552	ACTIVE	4919	BENSON
4709500879	RITCHIE PETROLEUM CORPORATION, INC.	BRADFORD, HATTIE 2	ACTIVE	2313	WEIR
4709501221	GREYLOCK CONVENTIONAL	AYERS, VIRGINIA J-1365	ACTIVE	5579	BENSON
4709501171	DIVERSIFIED GAS & OIL PLC	FLINT, MATTIE DOTSON ETAL 2510	ACTIVE	5469	BENSON
4709501311	GREYLOCK OPCO, LLC	L. L. JAMES 4	ACTIVE	5130	BENSON
4709501545	MURVIN & MEIER OIL CO.	JOSEPH HEIRS 1	ACTIVE	5271	ELK
4709500992	GREYLOCK CONVENTIONAL	MCKITRICK, ROY - HEIRS J-664	ACTIVE	5014	BENSON
4709501931	MURVIN & MEIER OIL CO.	JOSEPH HEIRS 2	ACTIVE	2531	WEIR
4709501310	GREYLOCK OPCO, LLC	L. L. JAMES 3	ACTIVE	5490	BENSON
4709500830	GREYLOCK CONVENTIONAL	PRATT, A. E. - ESTATE J-314	ACTIVE	5136	BENSON
4709501200	DIVERSIFIED GAS & OIL PLC	PRATT, ELDON & NANCY JK-1310	ACTIVE	4927	BENSON
4709501689	DIVERSIFIED GAS & OIL PLC	LONG 1	ACTIVE	5175	BENSON
4709501223	DIVERSIFIED GAS & OIL PLC	JENKINS 1 334-S	ACTIVE	4954	BENSON
4709501150	DIVERSIFIED GAS & OIL PLC	GREGG 1	ACTIVE	4795	BENSON
4709500676	RITCHIE PETROLEUM CORPORATION, INC.	BRADFORD, HATTIE 1	ACTIVE	2466	WEIR
4709501495	DIVERSIFIED GAS & OIL PLC	THACKER 2	ACTIVE	5180	BENSON
4709501557	KEY OIL COMPANY	BURGESS 1	ACTIVE	5321	BENSON
4709502664	CNX	SHR 37 IHSM	ACTIVE	<Null>	MARCELLUS SHALE
4709502666	CNX	SHR 37 HHSM	ACTIVE	<Null>	MARCELLUS SHALE
4709502665	CNX	SHR 37 FHSM	ACTIVE	<Null>	MARCELLUS SHALE
4709502687	CNX	SHR 37 DHSM	ACTIVE	<Null>	MARCELLUS SHALE
4709502688	CNX	SHR 37 EHSM	ACTIVE	<Null>	MARCELLUS SHALE
4709502689	CNX	SHR 37 GHSM	ACTIVE	<Null>	MARCELLUS SHALE

Api#	CurrentOperator	WellName	CurrentStatus	TotalDepth	FormationATTD
4701700014	RITCHIE PETROLEUM CORPORATION, INC.	DOTSON, ARLINGTON 2	INACTIVE	1845	INJUN
4701704186	RITCHIE PETROLEUM CORPORATION, INC.	BRAKE, SAMUEL J.	INACTIVE	2000	INJUN
4701704570	BLACKROCK ENTERPRISES, LLC	SHEPHERD, MICHAEL	INACTIVE	UNKNOWN	UNKNOWN
4701702356	RITCHIE PETROLEUM CORPORATION, INC.	SHEPHERD, N. 1	INACTIVE	2303	WEIR
4701771423	(N/A)	N MILLER	INACTIVE	UNKNOWN	UNKNOWN
4701771425	(N/A)	ARLINGTON DOTSON	INACTIVE	UNKNOWN	UNKNOWN
4701771430	(N/A)	E M JACKSON	INACTIVE	UNKNOWN	UNKNOWN
4701771433	HOPE NATURAL GAS CO.	ELIAS THOMAS	INACTIVE	UNKNOWN	UNKNOWN
4701771435	HOPE NATURAL GAS CO.	WAGNER	INACTIVE	UNKNOWN	UNKNOWN
4701771439	BRADWATER	SAMANTHA COX	INACTIVE	UNKNOWN	UNKNOWN
4701771455	PHILADELPHIA OIL CO	F DOTSON	INACTIVE	UNKNOWN	UNKNOWN
4701770063	CARTER OIL CO	DOTSON, FINLEY	INACTIVE	UNKNOWN	UNKNOWN
4701770065	(N/A)	DOTSON, MCKENDRY	INACTIVE	1961	UNKNOWN
4701730056	HOPE NATURAL GAS CO.	E A HENDERSHOT	INACTIVE	1800	UNKNOWN
4701730278	HOPE CONSTRUCTION & REFINING	E M JACKSON	INACTIVE	2060	BIG INJUN (UNDIFF)
4701730335	JJ GRAHAM AGT ET AL	S YEATER	INACTIVE	1795	UNKNOWN
4701730849	DROPPLEMAN, J. P.	ARLINGTON DOTSON	INACTIVE	2012	BIG INJUN (UNDIFF)
4701731194	HICKMAN, CHARLES L.	CISCO DOTSON	INACTIVE	1973	BIG INJUN (UNDIFF)
4701771427	LUCAS	MARY MONTGOMERY	INACTIVE	UNKNOWN	UNKNOWN
4701771434	HOPE NATURAL GAS CO.	WAGNER	INACTIVE	UNKNOWN	UNKNOWN
4701771436	(N/A)	MCCUTCHAN-HAINES	INACTIVE	UNKNOWN	UNKNOWN
4701771447	HOPE NATURAL GAS CO.	LAWRENCE JAMES	INACTIVE	UNKNOWN	UNKNOWN
4701771448	(N/A)	S YEATER	INACTIVE	UNKNOWN	UNKNOWN
4701730443	CLIFTON OIL & GAS	MCKENDRY DOTSON	INACTIVE	1882	UNKNOWN
4701730102	DEEM, F S	OKEY WASHBURN	INACTIVE	1987	UNKNOWN
4701730182	(N/A)	FINLEY DOTSON	INACTIVE	1899	BIG INJUN (UNDIFF)
4701771437	HOPE NATURAL GAS CO.	MCCUTCHAN-HAINES	INACTIVE	UNKNOWN	UNKNOWN
4701771438	(N/A)	B HENDERSHOT	INACTIVE	UNKNOWN	UNKNOWN
4701730101	DEEM, F S	HENDERSON WALTON	INACTIVE	1880	UNKNOWN
4701730160	HOPE NATURAL GAS CO.	E A HENDERSHOT	INACTIVE	1930	BIG INJUN (UNDIFF)
4701771428	(N/A)	CISCO DOTSON	INACTIVE	UNKNOWN	UNKNOWN
4701771429	(N/A)	CISCO DOTSON	INACTIVE	UNKNOWN	UNKNOWN
4701771431	(N/A)	ALFRED DOTSON	INACTIVE	UNKNOWN	UNKNOWN
4701771440	HOPE NATURAL GAS CO.	SAMANTHA COX	INACTIVE	UNKNOWN	UNKNOWN
4701730184	PHILADELPHIA OIL CO	FINLEY DOTSON	INACTIVE	2682	UNKNOWN
4701730277	HOPE CONSTRUCTION & REFINING	E M JACKSON	INACTIVE	1978	UNKNOWN
4701730288	CLIFTON OIL & GAS	LEWIS MAXWELL HEIRS	INACTIVE	2142	UNKNOWN
4709501177	GREYLOCK CONVENTIONAL	JAMES, LAWRENCE & THELMA 2463	INACTIVE	5517	RILEY
4709530126	CARNEGIE NATURAL GAS CO	J A EXLINE	INACTIVE	2045	UNKNOWN
4709530160	HOPE CONSTRUCTION & REFINING	E M JACKSON	INACTIVE	UNKNOWN	UNKNOWN
4709530830	HOPE NATURAL GAS CO.	WILLIAM SMITH	INACTIVE	2822	BIG INJUN (UNDIFF)
4709530158	HOPE CONSTRUCTION & REFINING	E M JACKSON	INACTIVE	UNKNOWN	UNKNOWN
4709530391	DEEM, F S	A GORRELL DOAK	INACTIVE	2968	BIG INJUN (UNDIFF)
4709530600	HOPE NATURAL GAS CO.	W P BRADFORD	INACTIVE	2495	UNKNOWN
4709530393	DEEM, F S	A GORRELL DOAK	INACTIVE	2110	UNKNOWN
4709530520	HOPE NATURAL GAS CO.	A GORRELL DOAK	INACTIVE	2105	BIG INJUN (UNDIFF)
4709530890	HOPE NATURAL GAS CO.	ROBERT DOAK	INACTIVE	UNKNOWN	UNKNOWN
4709550001	DORVA CORP.	J A EXLINE	INACTIVE	2178	UNKNOWN



SHR37_M2 Pad Frac SOG Review / Pad Risk Review

Wednesday, October 13, 2021

Api#	CurrentOperator	WellName	CurrentStatus	TotalDepth	FormationAtTD
4701700022	EASTERN GAS TRANSMISSION AND STORAGE, INC	DOTSON, F. 4981	P & A	2682	UNKNOWN
4701700204	EQUITRANS, L. P.	JAMES, BRUCE 1	P & A	1916	UNKNOWN
4701700205	EQUITRANS, L. P.	JAMES, BRUCE 2	P & A	1006	UNKNOWN
4701701065	(N/A)	IRONS, JOHN 1	P & A	1985	UNKNOWN
4701701248	CHRISTENSON, R WAYNE	DOTSON, FINLEY 1	P & A	1937	BIG INJUN (UNDIFF)
4701701070	PRIOR, FERRELL L	GARNER, D. 1	P & A	1792	BIG INJUN (UNDIFF)
4701701079	PRIOR, FERRELL L	THOMAS, ELIZABETH 1	P & A	2553	UNKNOWN
4701701092	(N/A)	DOTSON, ARLINGTON - HEIRS 3	P & A	1885	UNKNOWN
4701702767	GREYLOCK CONVENTIONAL	SHEPHERD, JAMES E. J-302	P & A	5070	UNKNOWN
4701703369	DIVERSIFIED GAS & OIL PLC	JAMES, LAWRENCE L. JK-1045	P & A	5321	UNKNOWN
4709501167	SOUTHWESTERN ENERGY	WAGNER 1	P & A	4866	RILEY
4709500851	SOUTHWESTERN ENERGY	GRIFFIN, EDITH H. 2	P & A	5025	WEIR
4709500712	DORWARD ENERGY CORPORATION	CARNEGIE #516	P & A	UNKNOWN	UNKNOWN
4709500202	(N/A)	MOORE, SARAH H. 1	P & A	1096	UNKNOWN
4709500267	(N/A)	ELLIS JENKINS HEIRS 1	P & A	1103	UNKNOWN
4709500492	ROSS AND WHARTON GAS COMPANY, INC.	SMITH, ROBERT & LUCILLE 2741	P & A	1916	UNKNOWN
4709500757	ALLIED ENERGY, INC.	PRATT, A. E. 1	P & A	2209	UNKNOWN
4709500715	INDUSTRIAL GAS/FRONTIER ENERGY CO.	BRADFORD, HATTIE 3	P & A	948	UNKNOWN
4709500280	APPALACHIAN ENERGY DEV INC	WAGNER #1	P & A	945	UNKNOWN
4709500288	(N/A)	DOAK, ROBERT 1	P & A	1849	UNKNOWN
4709500292	FLO-WELL INC	FORD, W.A., ET UX 1	P & A	UNKNOWN	UNKNOWN
4709500037	BACHELOR, D.	DOKE, MAGGIE, ET AL 1	P & A	1193	UNKNOWN
4709500205	(N/A)	S.M. DOAK HEIRS 1	P & A	1100	UNKNOWN
4709500782	BRAXTON OIL & GAS CORP.	MULVAY J-162	P & A	5100	UNKNOWN

WW-9
(4/16)

API Number 47 - 095 - _____
Operator's Well No. SHR37NHSM

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 Quadrangle West Union

Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes No

Will a pit be used? Yes No

If so, please describe anticipated pit waste: no pits

Will a synthetic liner be used in the pit? Yes No If so, what ml.? NA

Proposed Disposal Method For Treated Pit Wastes:

- Land Application
- Underground Injection (UIC Permit Number 47-001-00561, 47-097-01514, 47-097-01613, 34-013-2-0609)
- Reuse (at API Number WDTN5ZHSM 47-061-01871, WDTN5XHSM 47-061-01872, WDTN5ZHSM 47-061-01873, WDTN19 wells API TBD)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain No Pits)

Will closed loop system be used? If so, describe: Yes

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc.
Vertical: air from surface to curve kick-off point (KOP). Horizontal: synthetic oil-based mud (SOBM) from curve KOP to lateral TD

-If oil based, what type? Synthetic, petroleum, etc. Synthetic

Additives to be used in drilling medium? Bactericide, Polymers, and Weighting Agents

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc.
Land Application of soil conductor cuttings only; all other cuttings will be taken to approved disposal facility

-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) N/A

-Landfill or offsite name/permit number? See attached.

Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at a West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed.

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 Sarah Weigand
Company Official (Typed Name) Sarah Weigand
Company Official Title Manager Upstream Permitting

Commonwealth of Pennsylvania - Notary Seal
Rebecca Zachwieja, Notary Public
Washington County
My commission expires November 7, 2023
Commission number 1269683
Member, Pennsylvania Association of Notaries

Subscribed and sworn before me this 10th day of November, 2021

Rebecca Zachwieja Notary Public
My commission expires November 7, 2023

Digitally signed by Cragin Blevins
Date: 2021.11.08 12:29:00 -0500

12/17/2021

CNX Gas Company, LLC

Proposed Revegetation Treatment: Acres Disturbed 15.57 Prevegetation pH 6.5

Lime according to pH test Tons/acre or to correct to pH 7.0

Fertilizer type 10-20-20

Fertilizer amount 500 lbs/acre

Mulch hay or straw @ 2 Tons/acre

Seed Mixtures

Temporary		Permanent	
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:

Maps(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided). If water from the pit will be land applied, include dimensions (L x W x D) of the pit, and dimensions (L x W), and area in acreage, of the land application area.

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: Cragin Blevins Digitally signed by Cragin Blevins
Date: 2021.11.08 12:29:39 -0500

Comments: _____

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Title: Environmental Resources Specialist III Date: 11/8/2021

Field Reviewed? Yes No

12/17/2021

SHR37_M2 Pad Frac - SOG Review

In accordance with WVDEP 35CSR8 Section 5.11, all known shallow oil and gas (SOG) wells have been identified within a 1000' buffer of the SHR37_M2 pad Area of Review (AOR). These wells have been reviewed and are provided in a list that includes API, Operator, Well Name, Well Number, Current Status, Total Depth, and Producing Formation at Total Depth. See the following pages, including (Figures 3 and 4).

The Marcellus Shale of the SHR37 Pad area is found at an approximate True Vertical Depth (TVD) of 6500'. In the Shirley area, there are very few producing formations between the Big Injun and the Benson Sand. Most producing wells are either approximately 2000' or 5000' deep. Although there are a significant number of SOG Communication events in the Shirley area, it is highly unlikely that communication will occur with any wells producing from formations shallower than the Benson Sand, found at an approximate TVD of 5000'. This is based on previous experience and study of SOG Communication with Marcellus fracs throughout Ritchie and Doddridge counties. To provide a feel for risk, all wells shallower than 3000' are colored green on Figure 3 and all wells deeper than 3000' are colored red.

The current hypothesis for SOG Communication is that Marcellus frac fluids and pressure intersect and migrate up a nearby fault that acts as a conduit for upward migration and intersection with high permeability reservoirs of the Alexander and Benson. Both of these reservoirs are primarily depleted, allowing an easier pressure migration throughout these formations. Geomechanical data is collected from dipole sonic logs. CNX's nearest sonic data is from the SHR1C well (Figure 1), immediately north of the SHR37 pad. Frac modeling (Figure 2) of the Marcellus in the area does not show significant upward frac growth. In fact, typical frac height would need to be more than double to reach the Alexander, approximately 1000' above the Marcellus Shale. Without faulting acting as a conduit, CNX Geology does not feel that SOG Communication is feasible in the Shirley area.

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Figure 1. Stratigraphic intervals of high stress should serve as adequate confining layers, or frac barriers, for a Marcellus frac, seen below in the SHR1C Stress Profile log.

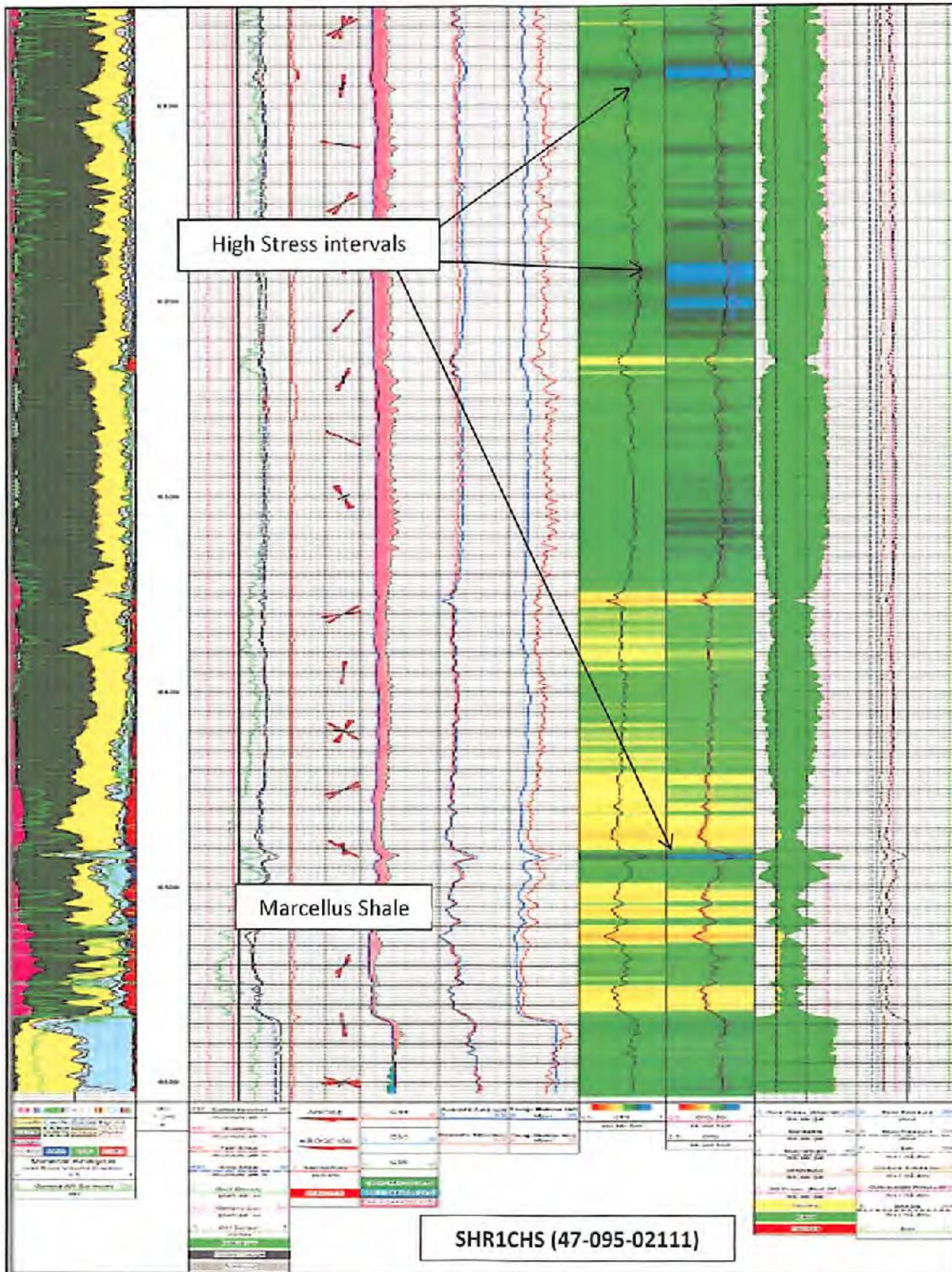


Figure 2. Stratigraphic intervals of high stress should serve as adequate frac barriers for a Marcellus frac. The frac modeling example below is from the Oxford area of western Doddridge County, where the Marcellus and adjacent shales are lithologically similar to the same formations in the Shirley area. Frac modeling only yields frac height of approximately 300' and falls far short of the 1000' required to communicate with the Alexander or Benson formations. Therefore, faulting is the primary suspect for upward frac migration.

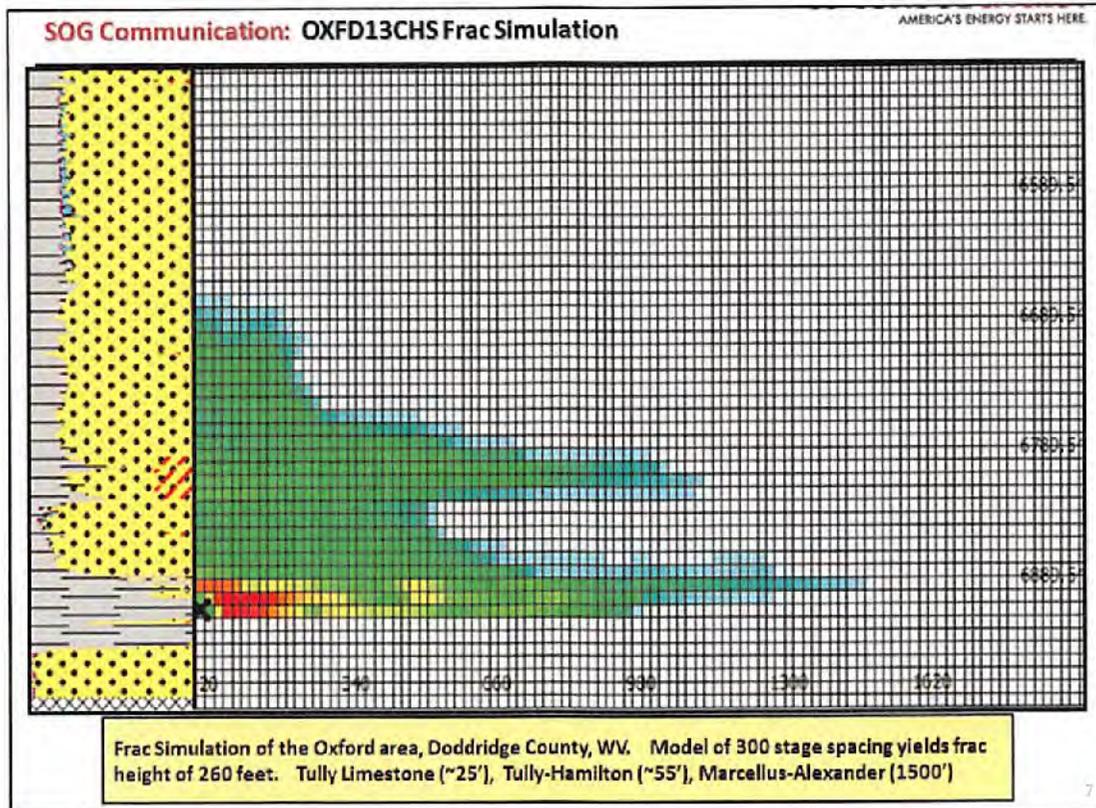
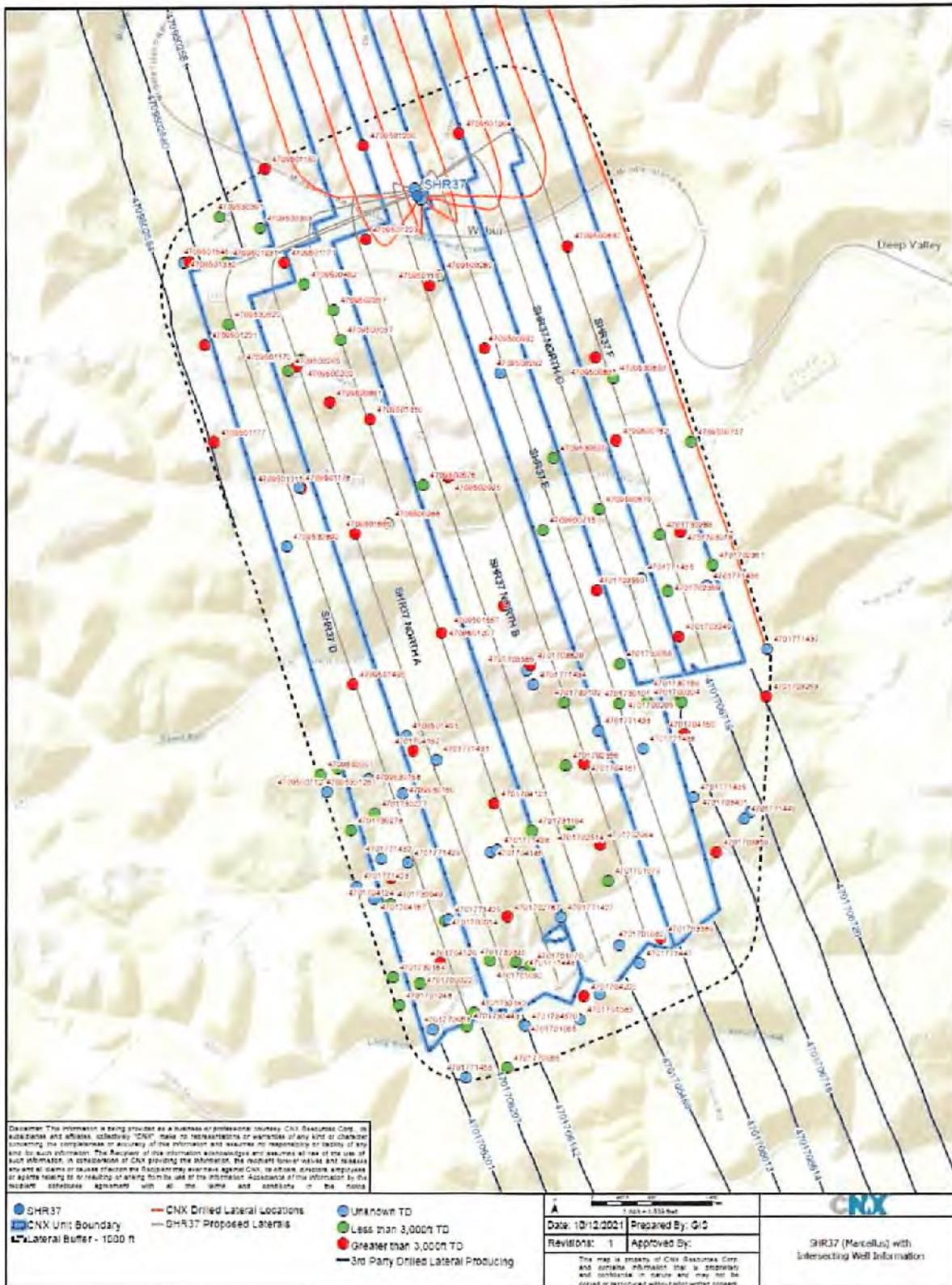


Figure 3. All wells within a 1000' buffer around the laterals have been reviewed and listed below. Wells with TD less than 3000' are colored green and TD' deeper than 3000' colored red.



Type of Waste	Disposal Company Name	Disposal Location	Disposal Location Co. Well ID / Name	Permit # (if applicable)	Accepted Waste Streams	Disposal Company Contact Information	
Brine Injection - Treatment	Appalachian Water Services (Nuverra Environmental Solutions)	2326 McClellandtown Road, Masontown, PA 15461	39.853056, -79.924786	Appalachian Water	IWMGR GP No. 1235W001 WCM Industrial Waste Permit No.: 2508201 A-2	Brine (Produced Water) and oily water from compressor stations.	Rob Bealco 304-291-0383 Office 304-282-8814 Cell rob.bealco@nuverra.com Office: 740-609-3800
RW & TENORM	Austin Master Services	801 N 1st St, Martins Ferry, OH 43935	40.105200, -80.711630	N/A	N/A	Non-radioactive material, low level radioactive material, (NORM/TENORM), and high level TENORM material handling, storage, downblending, transport/loading to rail, tank cleaning, radiological sampling/testing analysis/lab.	Jack Bement CEO Austin Master Services LLC 355 Circle of Progress Pottstown PA, 19464 Ph: (585) 704-2744 Fax: 484 624-5506 Office: 740-609-3800
Brine Injection - Treatment	Austin Master Services	801 N 1st St, Martins Ferry, OH 43935	40.105200, -80.711630	N/A	N/A	Brine (Produced Water)	Jack Bement CEO Austin Master Services LLC 355 Circle of Progress Pottstown PA, 19464 Ph: (585) 704-2744 Fax: 484 624-5506*
RW & TENORM	Belmont Solids Control	78405 Cadiz-New Athens Rd. Cadiz, OH 43907	40.233830, -81.003300	N/A	N/A	Non-radioactive material, low level radioactive material, (NORM/TENORM), and high level TENORM material handling, storage, downblending, transport/loading to rail, tank cleaning, radiological sampling/testing analysis/lab.	Dave Brown 412-848-1828 Mark Winsap 330-692-0428; dbrown@ApexLF.com Bob Orr 740-796-6495 614-648-8898 orpetro@gmail.com
Brine Injection - Treatment	Cambrian Well Services - Kemble (Orr Petroleum Corporation)	Zanesville, Muskingum County, Perry Township, OH	39.974954, -81.845389	Kemble 1-D (SWIN#2B)	34-119-2-8780	Brine (Produced Water)	
Brine Injection - Treatment	CNX Resources Corporation	Buchanan County, VA	37.087460, -82.047918	BPCD1	VAS20960BBUC	CNX Owned UIC SWIWs: Frac water, brine, produced water	Contact Ops Groups
Brine Injection - Treatment	CNX Resources Corporation	Buchanan County, VA	37.222201, -81.959987	N26	VAS20930BBUC	CNX Owned UIC SWIWs: Frac water, brine, produced water	Contact Ops Groups
Brine Injection - Treatment	CNX Resources Corporation	Buchanan County, VA	37.184198, -82.082549	U7	VAS20926BBUC	CNX Owned UIC SWIWs: Frac water, brine, produced water	Contact Ops Groups
Brine Injection - Treatment	CNX Resources Corporation	Russell County, VA	37.120547, -81.961222	AW11AA	VAS20970BRUS	CNX Owned UIC SWIWs: Frac water, brine, produced water	Contact Ops Groups
Brine Injection - Treatment	CNX Resources Corporation	Buchanan County, VA	37.147934, -82.075320	Ball Well	VAS52D921BBUC	CNX Owned UIC SWIWs: Frac water, brine, produced water	Contact Ops Groups
Brine Injection - Treatment	DeepRock Disposal Solutions	Washington County, Warren Township, OH	39.426278, -81.502379	Order No. 2015-452; Vocational School No. 2 Well; SWIW No. 20	API # 34-167-2-9543-00-00	Brine (Produced Water)	Wes Mossor General Manager wesm@deeprockds.com DeepRock Disposal Solutions LLC Office: 740.371.5078 ext. 206 Cell: 304.588.0936
Brine Injection - Treatment	DeepRock Disposal Solutions	Washington County, Warren Township, OH	39.425172, -81.507900	Order No. 2015-582; Heinrich Unit #2 Well, SWIW No. 22	API # 34-167-2-9464-00-00	Brine (Produced Water)	Wes Mossor General Manager wesm@deeprockds.com DeepRock Disposal Solutions LLC Office: 740.371.5078 ext. 206 Cell: 304.588.0936
Brine Injection - Treatment	DeepRock Disposal Solutions	Washington County, Warren Township, OH	39.429867, -81.511020	Order No. 2015-581; Heinrich Unit #1 Well, SWIW No. 21	API # 34-167-2-9445-00-00	Brine (Produced Water)	Wes Mossor General Manager wesm@deeprockds.com DeepRock Disposal Solutions LLC Office: 740.371.5078 ext. 206 Cell: 304.588.0936
Brine Injection - Treatment	DeepRock Disposal Solutions	Washington County, Marietta Township, OH	39.402842, -81.676913	Order No. 2019-79; American Growers No. 1 Well, SWIW No. 26	API # 34-167-2-9766-00-00	Brine (Produced Water)	Wes Mossor General Manager wesm@deeprockds.com DeepRock Disposal Solutions LLC Office: 740.371.5078 ext. 206 Cell: 304.588.0936

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								Michael Chapin: Ph. 740-763-3966 Cell 740-403-9664 tantrummr@aol.com
Brine Injection - Treatment	EGO Water Solutions LLC	5367 E. State Street, Newcomerstown, OH 43832	40.281293, - 81.578068	Mozena #1 Well (SWW #13)	API # 34-157-2-5511	Brine (Produced Water)		Robert Schenken Director Business Development HydroEdge Solutions Wisconsin White Sand rschenken@hydroedgesolutions.com Cell 412.295.3614
Brine Injection - Treatment	Environmental Energy Services LLC (Force, Inc.)	Muskingum County, Perry Township, OH	39.973643, - 81.825727	Pattison Trust No. 1-D (SWW #30)	API # 34-119-2-8803	Brine (Produced Water)		Bryan Force Mobile: 412.289.0069 Office: 724.465.9399 bforce@forceincorporated.com
Brine Injection - Treatment	Environmental Energy Services LLC (Force, Inc.)	Barnsville, Belmont County, OH	NEED	Barnsville (SWW #2)	34-013-2-0609 UKC #609	Frac water, brine, produced water		Bryan Force Mobile: 412.289.0069 Office: 724.465.9399 bforce@forceincorporated.com
Brine Injection - Treatment	Gas Field Services, Inc.	200 Camp Creek Road, Camp Creek, WV 25820	37.495138, -81.105161	Camp Creek Disposal Well	UIC: UIC2D0550319 API: 47-055-00319	Class II injection fluids that are in connection with conventional oil or gas production and may be commingled with waste waters from gas plants unless those waters are classified as hazardous wastes at the time of injection.		Zachery Reed zacheryr4@yahoo.com PO Box 555, Rosedale, VA 24280 Phone: (276) 880-2323
Brine Injection - Treatment	Greene County Water Treatment, Inc.	401 Jefferson Rd. Waynesburg, PA 15370	39.908611, - 80.141111	Waynesburg Facility	WMGR1235W010	Oil and Gas Fluids with minimal oil and solids present		Gary Carpenter 267-246-6176 JRBGCarpenter@aol.com Office: (830) 270-9900
RW & TENORM	Ground Tech LLC	240 Sinter Court, Youngstown, OH 44510	41.113260, - 80.674500	N/A	N/A	Non-radioactive material, low level radioactive material, (NORM/TENORM), and high level TENORM material handling, storage, downblending, transport/loading to rail, tank cleaning, radiological sampling/testing analysis/lab.		Larry Chamberlain 330-398-5919 lchamberlain@gtw-inc.com
Brine Injection - Treatment	Hydro Recovery	572 Route 18 Burgettstown, PA 15021	40.422874, - 80.426125	Burgettstown Facility	WMGR1235W019	Oil and Gas Fluids with minimal oil and solids present		Ashley Cromley 570-394-4450 Ashley.cromley@hydrorecovery.com
Non-Haz Disosal	Mascaro & Sons - Wetzel Co LF	1521 Wetzel County Landfill Rd. New Martinsville, WV 26155	N/A	Wetzel County Landfill	N/A	Gas Specific Waste Streams: Drill Cuttings/Frac Sand, Waste Liners, Other Accepted Waste Streams: Contaminated Soil (Including Petroleum)Construction & Demolition Waste, Industrial Waste, Process Waste, Municipal Solid Waste		Terry Gadd terry.gadd@jpmascaro.com, 610-635-4133
RW & TENORM	Mud Masters LLC	64054 Wintergreen Rd Lore City, OH 43725	40.027531, - 81.449219	N/A	N/A	Non-radioactive material, low level radioactive material (NORM/TENORM), and high level TENORM material handling, storage, and transport. (TENORM downblending of low level TENORM material (< 85 pCi) on-site. High level TENORM (< 85 pCi) materials will be directed to Austin Master Services in Martins Ferry, Ohio by Ground Tech).		Tom Meinert 740-255-0357 heavymudmasters@gmail.com Billing Address: 739 Southgate Pkwy, Cambridge, Ohio 43725
Non-Haz Disosal	Noble Environmental Landfill (Former Westmoreland Waste)	111 Conner Lane, Belle Vernon, PA 15012	N/A	Noble / Westmoreland Sanitary Landfill		Gas Specific Waste Streams: Drill Cuttings, Waste Liners, Other Accepted Waste Streams: Contaminated Soil (Including Petroleum), Construction & Demolition Waste, Industrial Waste, Friable Asbestos, Non-Friable Asbestos, Municipal Solid Waste		Customer Service: (724) 929-7694
RW & TENORM	Pressure Tech	7675 East Pike Norwich, Ohio 43767	39.97415, -81.844765	N/A	N/A	Non-TENORM wastes including cement water and oil or water based drilling mud only. Are not to accept waste that is known to have elevated levels of TENORM or compressor station water.		Bob Orr: 614-648-8898
Oil & Oily Water Treat - Recycle	Quala	515 Industrial Blvd., Wooster, OH 44691	N/A	N/A	N/A	Non-hazardous wastewater, transportation, treatment and disposal facility. Also offer transportation and solidification services.		330-264-8080 (O) jlater@quala.us.com
Non-Haz Disosal	Republic Services - Imperial (Allied Waste of PA)	11 Boggs Rd, Imperial, PA 15126	N/A	Imperial Landfill	N/A	Gas Specific Waste Streams: Drill Cuttings/Frac Sand, Waste Liners, Other Accepted Waste Streams: Contaminated Soil (Including Petroleum), Construction & Demolition Waste, Industrial Waste, Sludge, Friable Asbestos, Non-Friable Asbestos, Municipal Solid Waste		Jack Palermo - jpalermo@republicservices.com, 330-536-7575
Brine Injection - Treatment	Reserved Environmental Services (RES)	1119 Old Route 119 South Mt. Pleasant, PA 15666	40.215555, - 79.606388	New Stanton Facility	WMGR1235W005	Oil and Gas Fluids with minimal oil and solids present		Matt Kcinski 814-574-9701 mkcinski@reswater.com
Brine Injection - Treatment	Reserved Environmental Services (RES)	506 Uppencott Road Waynesburg, PA 15370	39.945555, - 80.140833	Waynesburg Facility	WMGR1235W031	Oil and Gas Fluids with minimal oil and solids present		Matt Kcinski 814-574-9701 mkcinski@reswater.com
Hazardous Waste Disposal	Safety Kleen	10 Industrial Park Drive Wheeling, Wv. 26003	N/A	Wheeling Landfill	N/A	HCA/TSCA Waste, PCB Transformers & Capacitors, PCB Soil/Debris, Non-Hazardous Wastes, Asbestos Waste, Solidification Services		Gordon Cooper Gordon.cooper@safety-kleen.com 304-215-2284 1-866-670-9034
Oil & Oily Water Treat - Recycle	Spirit Services, Inc.	173 Industrial Park Ln., Beech Bottom, WV 26030	N/A	N/A	N/A	Approved for non-haz water treatment of oil & water mix. Also offer transportation and solidification services. Capable of other types of waste disposal and handling with prior Environmental and Supply Chain approval.		Joe Staton: 717-360-7916 Office: 301-223-1251 Fax: 301-223-1253 jstaton@spiritservices.com

RW & TENORM	Empire Fluid Solutions (Formerly Troo Clean)	41540 National Road Belmont, OH 43718	40.0687, -81.04963	N/A	N/A	Non-radioactive material, low level radioactive material (NORM/TENORM) material handling, storage, downblending, transport/loading to rail, tank cleaning, radiological sampling/testing analysis/lab. Non-radioactive material & radioactive material handling (NORM/TENORM), solids separation, material downblending, tank cleaning, radiological sampling/testing analysis/lab. Liquid/solids treatment and separation for waste disposal.	Orin David Orin.david@trooclean.com 918-413-6426 Corporate Number: 734-442-2353 Guy Turturice gturturice@valicor.com 904-963-1563 Steve Atkinson SAtkinson@valicor.com
Oil & Dily Water Treat - Recycle	Valicor Environmental Services LLC	515 N. 8th Ave, Huntington, WV 25201	N/A	N/A	N/A	Approved for non-haz water treatment of oil & water mix, oil, oil filters, and antifreeze only.	
Non-Haz Disosal	Waste Management - American Landfill	7916 Chapel St SE, Waynesburg, OH 44688	N/A	American Landfill	N/A	Gas Specific Waste Streams: Drill Cuttings, Waste Liners, Other Accepted Waste Streams: Contaminated Soil (Including Petroleum)Construction & Demolition Waste, Industrial Waste, Sludge, Friable Asbestos, Non-Friable Asbestos, Process Waste, Solidification Services, Municipal Solid Waste	Customer Service: 1 (866) 909-4458 Mark A. Thomas: 412-522-0610, mthoma15@wm.com Tom Farnsworth: C- 330-204-4244, TFarnswo@wm.com
Non-Haz Disosal	Waste Management - Arden Landfill	200 Rangos Ln, Washington, PA 15301	N/A	Arden Landfill	N/A	Gas Specific Waste Streams: Drill Cuttings, Waste Liners, Other Accepted Waste Streams: Contaminated Soil (Including Petroleum), Construction & Demolition Waste, Industrial Waste, Sludge, Process Waste, Solidification Services, Municipal Solid Waste	Customer Service: 1 (866) 909-4458 Mark A. Thomas: 412-522-0610, mthoma15@wm.com Tom Farnsworth: C- 330-204-4244, TFarnswo@wm.com
Non-Haz Disosal	Waste Management - Evergreen Landfill	1310 Luciusboro Rd, Blairsville, PA 15717	N/A	Evergreen Landfill	N/A	Gas Specific Waste Streams: Drill Cuttings, Waste Liners, Other Accepted Waste Streams: Contaminated Soil (Including Petroleum), Construction & Demolition Waste, Industrial Waste, Municipal Solid Waste	Customer Service: 1 (866) 909-4458 Mark A. Thomas: 412-522-0610, mthoma15@wm.com Tom Farnsworth: C- 330-204-4244, TFarnswo@wm.com
Non-Haz Disosal	Waste Management - Kelly Run	1500 Hayden Blvd, Elizabeth, PA 15037	N/A	Kelly Run Landfill	N/A	Gas Specific Waste Streams: Drill Cuttings, Waste Liners, Other Accepted Waste Streams: Contaminated Soil (Including Petroleum), Construction & Demolition Waste, Industrial Waste, Sludge, Process Waste, Solidification Services, Municipal Solid Waste	Customer Service: 1 (866) 909-4458 Mark A. Thomas: 412-522-0610, mthoma15@wm.com Tom Farnsworth: C- 330-204-4244, TFarnswo@wm.com
Non-Haz Disosal	Waste Management - Mahoning Landfill	3510 E Garfield Rd, New Springfield, OH 44443	N/A	Mahoning Landfill	N/A	Gas Specific Waste Streams: Drill Cuttings, Waste Liners, Other Accepted Waste Streams: Contaminated Soil (Including Petroleum)Construction & Demolition Waste, Industrial Waste, Non-Friable Asbestos, Process Waste, Municipal Solid Waste	Customer Service: 1 (866) 909-4458 Mark A. Thomas: 412-522-0610, mthoma15@wm.com Tom Farnsworth: C- 330-204-4244, TFarnswo@wm.com
Non-Haz Disosal	Waste Management - Meadowfill Landfill	1488 Dawson Dr, Bridgeport, WV 26330	N/A	Meadowfill Landfill	N/A	Gas Specific Waste Streams: Drill Cuttings, Waste Liners, Other Accepted Waste Streams: Contaminated Soil (Including Petroleum)Construction & Demolition Waste, Industrial Waste, Sludge, Friable Asbestos, Non-Friable Asbestos, Process Waste, Solidification Services, Municipal Solid Waste	Customer Service: 1 (866) 909-4458 Mark A. Thomas: 412-522-0610, mthoma15@wm.com Tom Farnsworth: C- 330-204-4244, TFarnswo@wm.com
Hazardous Waste Disposal	Waste Management - Model City	1550 Balmer Rd Youngstown, NY 14174	N/A	Model City Landfill	N/A	RCRA/TSCA Waste, PCB Transformers & Capacitors, PCB Soil/Debris, Non-Hazardous Wastes, Asbestos Waste, Solidification Services	Linda Davie: 716-286-0365 or 716-754-8231 or 800-963-4776
Non-Haz Disosal	Waste Management - Northwestern Landfill	510 Dry Run Rd, Parkersburg, WV 26104	N/A	Northwestern Landfill	N/A	Gas Specific Waste Streams: Drill Cuttings, Waste Liners, Other Accepted Waste Streams: Contaminated Soil (Including Petroleum)Construction & Demolition Waste, Industrial Waste, Sludge, Process Waste, Solidification Services, Municipal Solid Waste	Customer Service: 1 (866) 909-4458 Mark A. Thomas: 412-522-0610, mthoma15@wm.com Tom Farnsworth: C- 330-204-4244, TFarnswo@wm.com
Non-Haz Disosal	Waste Management - S&S Grading Landfill	4439 Good Hope Pike, Clarksburg, WV 26301	N/A	S&S Grading Landfill	N/A	Gas Specific Waste Streams: Drill Cuttings, Waste Liners, Other Accepted Waste Streams: Contaminated Soil (Including Petroleum)Construction & Demolition Waste, Industrial Waste, Sludge, Process Waste, Municipal Solid Waste	Customer Service: 1 (866) 909-4458 Mark A. Thomas: 412-522-0610, mthoma15@wm.com Tom Farnsworth: C- 330-204-4244, TFarnswo@wm.com
Non-Haz Disosal	Waste Management - South Hills (Arnoni)	3100 Hill Rd, South Park Township, PA 15129	N/A	South Hills Landfill	N/A	Gas Specific Waste Streams: Drill Cuttings, Waste Liners, Other Accepted Waste Streams: Construction & Demolition Waste, Industrial Waste, Sludge, Process Waste, Solidification Services, Municipal Solid Waste	Customer Service: 1 (866) 909-4458 Mark A. Thomas: 412-522-0610, mthoma15@wm.com Tom Farnsworth: C- 330-204-4244, TFarnswo@wm.com
Non-Haz Disosal	Waste Management - Valley Landfill	6015 Pleasant Valley Rd, Irwin, PA 15642	N/A	Valley Landfill	N/A	Gas Specific Waste Streams: Drill Cuttings, Waste Liners, Other Accepted Waste Streams: Contaminated Soil (Including Petroleum), Construction & Demolition Waste, Industrial Waste, Sludge, Friable Asbestos, Non-Friable Asbestos, Process Waste, Solidification Services, Municipal Solid Waste	Customer Service: 1 (866) 909-4458 Mark A. Thomas: 412-522-0610, mthoma15@wm.com Tom Farnsworth: C- 330-204-4244, TFarnswo@wm.com

Non-Haz Disposal	Waste Management - Chestnut Ridge	385 Harr Ln, Blountville, TN 37617				Spencer to complete	Travis Maryanski tmaryanski@wm.com (865) 388-7279 Cell (205) 652-8137 Tech Service
Non-Haz Disposal	MXI Environmental Services LLC	2619 Old Trail Road Abingdon, VA 24210				Spencer to complete	John Twiddy johnt@mxinc.com 276-628-6636 ext. 202; 276-608-0003 Cell
Non-Haz Disposal	Republic Services - Short Creek	North Fork Short Creek Road, Wheeling, WV 26003	N/A	Short Creek Landfill	N/A	Gas Specific Waste Streams: Drill Cuttings/Frac Sand, Waste Liners, Other Accepted Waste Streams: Contaminated Soil (Including Petroleum), Construction & Demolition Waste, Industrial Waste, Sludge, Process Waste, Municipal Solid Waste	Jack Palermo - jpalermo@republicservices.com, 330- 536-7575
Non-Haz Disposal	Republic Services - Carbon-Limestone**	8100 S State Line Rd, Lowellville, OH 44436	N/A	Carbon-Limestone Landfill	N/A	Gas Specific Waste Streams: Drill Cuttings, Waste Liners, Other Accepted Waste Streams: Contaminated Soil (Including Petroleum) Construction & Demolition Waste, Industrial Waste, Sludge, Process Waste, Solidification Services, Municipal Solid Waste **Ohio "TENORM" - requires Radium 226/228 analysis by load before leaving the well pad. Solid waste landfills in Ohio can only accept TENORM waste with combined concentration less than 5 picocuries per gram above the natural background level.	Jack Palermo - jpalermo@republicservices.com, 330- 536-7575
Disposal like mudmasters takes ex	Fluid Management Solutions (FMS)	5445 US-40 East, Triadelphia, WV 26059	40.06886,-80.61492	N/A	N/A	Cement Water, Oil Base, Drill Mud, Water Base, Cellar Clean Outs ex. Also they do washouts and they have storage capacity at 2000bbl for 10lb brine and 10.5lb brine.	Kevin Faherty (412)973-2586



Sarah Weigand
Manager Upstream Permitting
Work: 724-485-3244
Email: sarah.weigand@cnx.com

CNX Center
1000 CONSOL Energy Drive
Canonsburg, PA 15317-6505
724-485-4000

West Virginia Department of Environmental Protection
601 57th Street, SE
Charleston, WV 25304

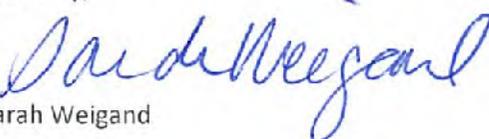
Dear Sir or Madam:

Pursuant to West Virginia Code §22-6A-8(g2), CNX Gas Company, LLC is requesting an approval from the office to land apply cuttings associated with the drilling of the conductor (unconsolidated materials) on location for pad SHR37. CNX Gas Company, LLC is the surface landowner of parcel 01-17-0005 in Tyler County and therefore consents to this method.

The wells planned for the second round of drilling operations on this pad are:

SHR37KHSM
SHR37LHSM
SHR37MHSM
SHR37NHSM
SHR37OHSM
SHR37PHSM
SHR37QHSM
SHR37RHSM

Sincerely,


Sarah Weigand

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WV Department of
Environmental Protection

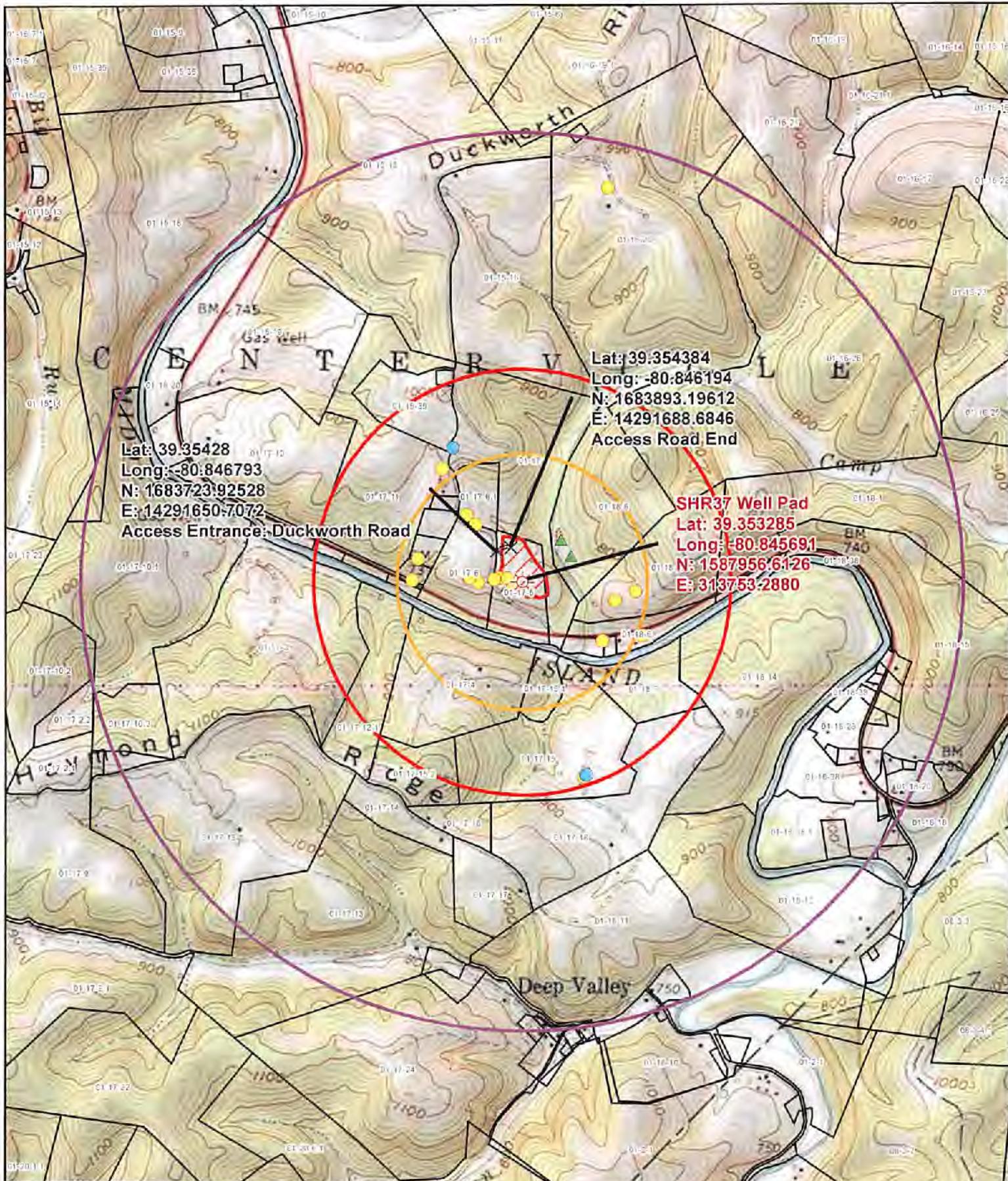
12/17/2021



Site Safety Plan for Well SHR37NHSM
CNX Gas Company, LLC.



RECEIVED
Office of Oil and Gas
NOV 15 2021
WV Department of
Environmental Protection



Lat: 39.35428
 Long: -80.846793
 N: 1683723.92528
 E: 14291650.7072
 Access Entrance: Duckworth Road

Lat: 39.354384
 Long: -80.846194
 N: 1683893.19612
 E: 14291688.6846
 Access Road End

SHR37 Well Pad
 Lat: 39.353285
 Long: -80.845691
 N: 1587956.6126
 E: 313753.2880

Disclaimer: This information is being provided as a business or professional courtesy. CNX Resources Corp., its subsidiaries and affiliates, collectively "CNX", make no representations or warranties of any kind or character concerning the completeness or accuracy of this information and assumes no responsibility or liability of any kind for such information. The recipient of this information acknowledges and assumes all risk of the use of such information. In consideration of CNX providing this information, the recipient hereby waives and releases any and all claims or causes of action the recipient may ever have against CNX, its officers, directors, employees or agents relating to or resulting or arising from its use of the information. Acceptance of this information by the recipient constitutes agreement with all the terms and conditions in the notice.

SHR37 Well Pad	Pond	1 Mile Buffer
Spring	2,500ft Buffer	Surface Parcel
Well	1,500ft Buffer	Well Pad LOD
Access Points	Access Road	

N

1 inch = 1,500 feet

Date: 10/7/2021	Prepared By: GIS
Revisions: 1	Approved By:

This map is property of CNX Resources Corp. and contains information that is proprietary and confidential in nature and may not be copied or recorded without prior written consent.

12/17/2021

Topographic Well Map
SHR37

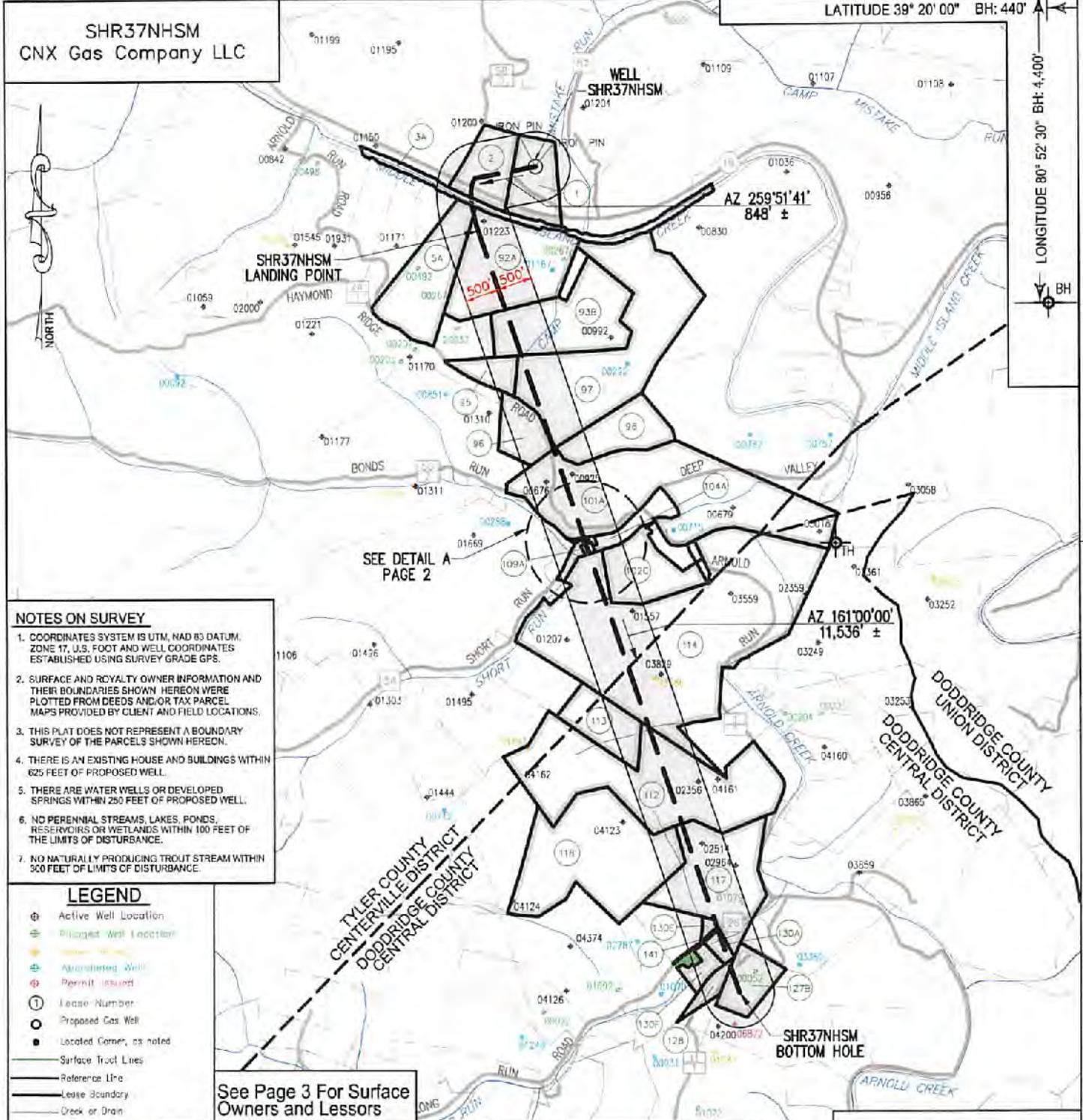
LATITUDE 39° 22' 30" TH: 3,545'

LATITUDE 39° 20' 00" BH: 440'

LONGITUDE 80° 52' 30" BH: 4,400'

LONGITUDE 80° 50' 00" TH: 7,810'

SHR37NHSM
CNX Gas Company LLC



- NOTES ON SURVEY**
- COORDINATES SYSTEM IS UTM, NAD 83 DATUM. ZONE 17, U.S. FOOT AND WELL COORDINATES ESTABLISHED USING SURVEY GRADE GPS.
 - SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND FIELD LOCATIONS.
 - THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
 - THERE IS AN EXISTING HOUSE AND BUILDINGS WITHIN 625 FEET OF PROPOSED WELL.
 - THERE ARE WATER WELLS OR DEVELOPED SPRINGS WITHIN 250 FEET OF PROPOSED WELL.
 - NO PERENNIAL STREAMS, LAKES, PONDS, RESERVOIRS OR WETLANDS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.
 - NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF LIMITS OF DISTURBANCE.

- LEGEND**
- Active Well Location
 - Proposed Well Location
 - Abandoned Well
 - Permit Issued
 - Lease Number
 - Proposed Gas Well
 - Located Corner, as noted
 - Surface Tract Lines
 - Reference Line
 - Lease Boundary
 - Creek or Drain
 - WV County Route
 - WV State Route

See Page 3 For Surface Owners and Lessors

(●) Denotes Location of Well on United States Topographic Maps

KEYSTONE
CONSULTANTS, LLC

I, the undersigned, hereby certify that this plat is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Department of Environmental Protection.

Thomas C. Smit
L. L. S. 687

THOMAS C. SMIT
LICENSED
No. 687
STATE OF
WEST VIRGINIA
LAND SURVEYOR

FILE NO:
DRAWING NO:
SCALE: 1" = 2000'
MINIMUM DEGREE OF ACCURACY:
1:2500
PROVEN SOURCE OF ELEVATION:
SG-GPS (OPUS)

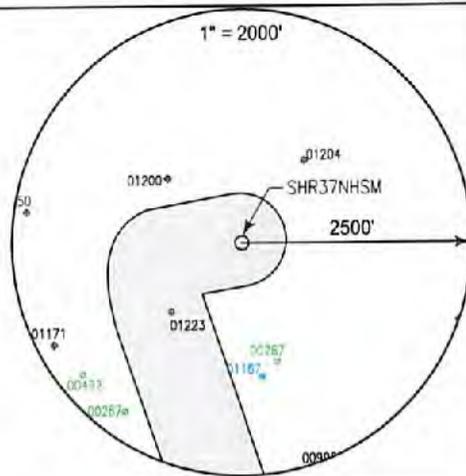
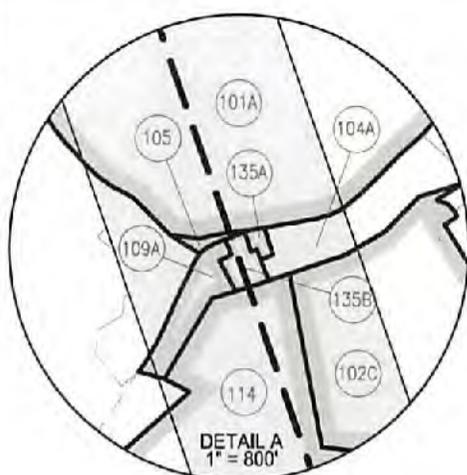
STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS DIVISION

DATE: November 03 20 21
OPERATORS WELL NO: SHR37NHSM
API WELL NO
47 - 095 - 02111
STATE COUNTY PERMIT

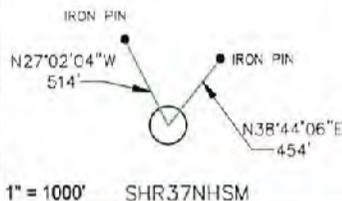
WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
LOCATION ELEVATION: 828' WATERSHED: Headwaters Middle Island Creek QUADRANGLE: West Union, WV 7.5'
DISTRICT: Centerville COUNTY: Tyler
SURFACE OWNER: CNX Gas Company LLC ACREAGE: 720.525 ±
ROYALTY OWNER: Eleanor V. & Dean A. Earnheart, et al. LEASE NO: 269278000 ACREAGE: 720.525 ±
PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY)
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus ESTIMATED DEPTH: TVD: 6,302'

WELL OPERATOR: CNX Gas Company LLC DESIGNATED AGENT: Anthony Kendziora
ADDRESS: 1000 Consol Energy Drive ADDRESS: 1000 Consol Energy Drive
Canonsburg, PA 15317 Canonsburg, PA 15317

SHR37NHSM
CNX Gas Company LLC



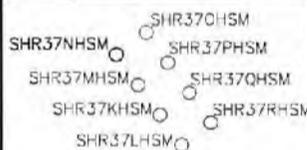
Well References



SURFACE HOLE LOCATION (SHL)

UTM 17 NAD 83
N: 4356024.318
E: 513280.399
NAD 83, WV NORTH
N: 313741.500
E: 1587940.309
LAT/LON DATUM NAD 83
LAT: 39°21'12.825"
LON: 80°50'45.103"
LANDING POINT
UTM 17 NAD 83
N: 4355745.075
E: 513032.515
NAD 83, WV NORTH
N: 312838.735
E: 1587111.579
LAT/LON DATUM NAD 83
LAT: 39°21'03.781"
LON: 80°50'55.480"

SHR 37 WELL PAD



BOTTOM HOLE LOCATION (BHL)

UTM 17 NAD 83
N: 4352441.142
E: 514232.179
NAD 83, WV NORTH
N: 301831.085
E: 1590867.386
LAT/LON DATUM NAD 83
LAT: 39°19'18.538"
LON: 80°50'05.609"



I, the undersigned, hereby certify that this plat is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Department of Environmental Protection.

L. L. S.
L. L. S. 687



SEAL

FILE NO: _____
DRAWING NO: _____
SCALE: 1" = 1000'
MINIMUM DEGREE OF ACCURACY: 1:2500
PROVEN SOURCE OF ELEVATION: NGS CORS Station



DATE: November 03 20 21
OPERATORS WELL NO: SHR37NHSM
API WELL NO: 47 - 095 - 02771
STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
LOCATION ELEVATION: 828' WATERSHED: Headwaters Middle Island Creek QUADRANGLE: West Union, WV 7.5'
DISTRICT: Centerville COUNTY: Tyler
SURFACE OWNER: CNX Gas Company LLC ACREAGE: 720.525 ±
ROYALTY OWNER: Eleanor V. & Dean A. Earnheart, et al. LEASE NO: 269278000 ACREAGE: 720.525 ±
PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus ESTIMATED DEPTH: TVD: 6,302'
WELL OPERATOR: CNX Gas Company LLC DESIGNATED AGENT: Anthony Kendziora
ADDRESS: 1000 Consol Energy Drive ADDRESS: 1000 Consol Energy Drive
Canonsburg, PA 15317 Canonsburg, PA 15317

	SURFACE OWNER	LESSOR	PIN
1	CNX Gas Company LLC	Eleanor V. Earnheart and Dean A. Earnheart, her husband	1-17-5
		Clella Boice, widow	
		Luella I. McConnell, widow	
		Agnes Godwin, widow	
		Nancy P. McClain and Ralph E. McClain, wife and husband	
		Georgia P. Snyder, divorced	
		Bradie Pipes and Goldie Pipes, his wife	
		Pursie Pipes and Norma J. Pipes, husband and wife	
		Dorothy Belle Wells and Byron Wells, her husband	
		Wanda Weekley, widow	
		Myrna Morgan and David Morgan, her husband	
2	Gail Williamson	Eleanor V. Earnheart and Dean A. Earnheart, her husband	1-17-6
		Clella Boice, widow	
		Luella I. McConnell, widow	
		Agnes Godwin, widow	
		Nancy P. McClain and Ralph E. McClain, wife and husband	
		Georgia P. Snyder, divorced	
		Bradie Pipes and Goldie Pipes, his wife	
		Pursie Pipes and Norma J. Pipes, husband and wife	
		Dorothy Belle Wells and Byron Wells, her husband	
		Wanda Weekley, widow	
		Myrna Morgan and David Morgan, her husband	
		Reva D. Rowland, aka Reva Rowland and Ronald Royce Rowland	
3A	West Virginia Division of Natural Resources	West Virginia Division of Natural Resources	Middle Island Creek
5A	James R Sr. & James R Jr. Underwood & Mitzie Johnson	Sarah E. Doak, Austin Doak, and Myrtle E. Doak, H/W, Dorsey Doak and Sarah E. Doak, H/W, Oliver A. Doak, Kirby D. Doak, Ida Lemasters and Elzy Lemasters, W/H, Myrtle White and Jasper White, W/H Tribune Resources Minerals, LLC, fka Ascent Resources Marcellus Minerals, LLC	1-17-12.1
92A	Samuel V Ash & Denise Rule	A.E. Doak and Callie Doak	1-17-4
93B	Ryan Davis & Carrie L Davis	Ancel Doak and Flora Doak, H/W Goldie McKitrick, widow	1-17-15
95	Harry R & Vonda K Galloop	BRC Appalachian Minerals I, LLC Norma Long, widow AMP Fund II, LP J&N Management LLC	1-17-16
96	George A Sabol & Cristina A Zettel	Norma Long, widow Shirley A. Lohr	1-17-17
97	Ryan Davis & Carrie L Davis	Pearl I. Slack	1-17-15
97	Ryan & Carrie L Davis	Norma Long	1-18-7
98	Elden L Pratt, Dean Rodney & Timothy Ray Pratt	Beverly Ann Underwood Barbara McClain Yale University Tina Marie Vickery fka Tina Marie Greenwood Cheryl Denise Ismert fka Cheryl Denise Cole Shari Greenwood Gary Lee Greenwood Randall Allen Pratt Chad Greenwood AMP Fund III, LP Mary Ann Webster, Trustee of the Webster Living Trust, dated December 19, 2001	1-17-11
101A	Ralph Paul McCutchan (Life)	Margaret C. Nied Helen C. Dahle James P. Cullinan Mary C. Schilling Trust – 2010, by Keith Schilling, Trustee William Paul McCutchan and Virginia B. McCutchan Kathleen Bradford Upton William Warren Upton and Frances J. Upton, H/W Marie L. Bradford, widow and heir under the Last Will and Testament of James Perry Bradford	1-18-11
102C	Arnolds Creek Christian Church	Planters Bank, Trustee for Franklin L. Butler IRA under agreement dated 9/10/1991	1-18-9
102C	William J Stanley	Edward Mullooly Robert E. Burgess, Sr. and Barbara Burgess, H/W Trustee of the Arnold's Creek Christian Church	1-18-10
104A	William L Stringham & Kelly F Stringham	James Marr Southern and Penny G. Southern, H/W Ronald J. McBee Connie Sue Conrad James Lee Phillips aka James L. Phillips Clyde Williams Phillips aka Clyde W. Phillips Joyce E. Matthews Chad W. Johnson Janice Coffindaffer Sandra Jean Fox Harry R. Fox Stephen Fox Troy Fox	1-18-8

12/17/2021

SURFACE OWNER		LESSOR	PIN
		Melanie L. Yoak	
		Kenneth J. Butler, Jr.	
		Bruce D. Knowlton	
		William Hubbard and Anita Joy Hubbard, H/W	
		Robert Hubbard and Barbara Hubbard, H/W	
		Bonnie Zelic	
		Bradley Hubbard	
		John Paul Smith, Jr.	
		Diane Mikes aka Dianna M. Mikes	
		Barbara McClain	
		James R. Underwood	
		Sherry Quay	
		Robert A. Wagner and Mabel L. Wagner, as Trustees of the Robert and Mabel Wagner Living Trust	
		Kathleen Cody	
		Charles H. Bower, Jr.	
		Desolyn Florence Doak	
		Brenda S. Ryan	
		John Paladino	
105	Kevin L Kelley & Lynne A Kelley	Bryan Edward Foster	1-17-30
		Eric Carl Foster and Angela Foster, H/W	
		Ralph M. Hiley and Rita E. Hiley, H/W	
		Roger Hiley and Danita Hiley, H/W	
		Virginia M. Ash and Jack Ash, W/H	
		Linda Cogar	
		Carol Gene Cogar and Carol Jeanne Cogar, H/W	
		Gail Bradly Cogar and Patricia L. Cogar, H/W	
		Larry Cogar and Aris Cogar, H/W	
		Linda L. Khumark	
		Patricia Mulvay and Edwin D. Mulvay, W/H	
		Raymond Cogar and Norma A. Cogar, H/W	
		Wilford Leymoin Cogar and Helen I. Cogar, H/W	
		David Leroy Cogar	
		Estate of Brenda Dillon, by Linda Khumark, Executor	
		Rebecca S. Cogar	
		Eleanor R. Williamson	
		Goldie M. Cogar	
		Kenneth S. Cogar and Bernice Cogar, H/W	
		Brian W. Shepherd	
		Laura Boyer	
		Robert A. Fletcher and Ellen Suzanne Fletcher, H/W	
		Tammy Prieto	
		Deborah Garner Dew, aka Debbie Dew	
		Edith I. Wise	
		Joseph A. Garner	
		Russell Ray Fletcher	
		Delores Fletcher	
		Jon Scott Fletcher	
109A	Kevin L Kelley & Lynne A Kelley	Ronal Rush and Teresa Rush, H/W	1-17-30
112	Lonnie C James	Lillie M. Shepherd	1-2-5
		Allegheny Land and Mineral Company	
		The Union National Bank as Trustee for Truman E. Gore and C. Burke Morris, u/a dtd. 8/25/1966	
113	Charter D Stinespring & Victor Goff Stinespring	David Allen Bess, aka David A. Bess	1-2-1.1
		Shirley Lohr	
		Charter D. Stinespring II and Stephanie Stinespring, H/W	
		Victor Goff Stinespring and Pamela R. Stinespring, H/W	
		IN SEARCH OF THE LORD'S WAY, INC. a/k/a, IN SEARCH OF THE LORD'S WAY	
		Norma T. Long Trust, dated November 8, 2013	
114	Victor Goff Stinespring, Charter D Stinespring	Sonya Rickel and Joe Rickel Jr. W/H	1-2-1
114	Victor Stinespring et ux	Charlotte Bryant and Ervin Bryant, W/H	1-2-1.2
		Garrett G. Pyles	
		Janice Phelps and Harry Phelps, W/H	
		Robert F. Pratt and Glenna Z. Pratt, H/W	
		Kenneth E. Pratt and Laura L. Pratt, H/W	
		Janet P. Tinkham and Elwin I. Tinkham, W/H	
		Allen Pratt and Patricia Pratt, H/W	
		Jean Cole and Robert L. Cole, W/H	
		Dorothy A. Greenwood and Malcolm Greenwood, W/H	
		Margaret R. Mead and Richard F. Mead, W/H	
		Mary J. Borer and Donald E. Borer, W/H	
		Kenneth M. Wagner and Mary A. Wagner, H/W	
		John Paladino	
		Patty Lou Fox and Harry R. Fox, W/H	
		Robert D. L. Doak	
		Icra Bower	
		Jack Coffindaffer and Janice Lee Coffindaffer, H/W	
		Esther Doak	

12/17/2021

SURFACE OWNER	LESSOR	PIN
	Virginia McBee and Robert McBee, W/H	
	Karen Y. Meiter and Robert Lynn Meiter, W/H	
	Paul Wagner and Joan Wagner, H/W	
	Leona Smith and John Smith, W/H	
	Sylvia Knowleton and Cleo Knowleton, W/H	
	Ruth M. Hubbard	
	Ina M. Wagner	
	Juliana M. Moore	
	Gussie Devoll	
	Martha Moore Hanson and Peter S. Hanson, W/H	
	Vonda Wagner	
	Wayne Kellar and Peggy Kellar, H/W, aka Wayne Kellar and Margaret H. Kellar, H/W	
	Catherine Moore	
	C. H. Wagner and Olive Irene Wagner, H/W	
	Darryl Pratt	
	Mary D. Southern	
	Wilda Doak	
	Beverly Delancey and Eleanor Knight and Stanford Knight, W/H and James W. Ash and Hazel Ash, H/W, Lelia Washburn, Charlene Smith and George Smith, W/H, and Barbara Thalrose and Harold Thalrose, W/H	
	Theresa Pratt	
	Sherry Lynn Quay	
117	Lonnie C James	1-4-6
	Mrs. Sylvia Wulfert, Ruby Hunt, Mr. Lynn Wulfert	
	U. G. Summers Estate: William G. Summers and Kathryn Summers, H/W, Hector Keith Summers, Pauline Summers, Kathleen Clara Summers	
	U. G. Summers Estate: William G. Summers and Kathryn Summers, H/W, Hector Keith Summers, Pauline Summers, Kathleen Clara Summers	
	Lorena G. Hammer	
	Ardenna Kay Rienstra	
	EIGG Land Limited	
	Robert Swearingen	
	Sandra Swearingen	
	Charles W. Hendrickson and Elizabeth Hendrickson	
	Terry L. Snider	
	Martha Ann Hanes	
	Mary Garland Hanes	
	Nicholas Osborne Hanes	
	Barbara G. Clark	
	Donald Reynolds, aka Donald R. Reynolds	
	Ronald Glenn Hurst	
	James Lee Hurst, Sr.	
	Pamela Sue Summers	
	Kathy Mae Fenstermaker	
	David Leroy Gray	
	David Charles Hurst	
	Westlake Energy Partners, LLC	
	Cynthia Gray	
	Linda Sue Oxendine	
	Tina Hurst	
	Kitty Ann Sams	
	Catherine L. Snider	
	Barbara L. Wilson	
	Aunix Acquisition Fund, LLC	
	Harold Wayne Hurst, aka H. Wayne Hurst	
	Rodney Gale Smith	
	Sandra S. DiGiacobbe fka Sandra S. Hurst and Ronald D. DiGiacobbe, W/H	
	Angela Fay Miller	
	Rebecca Ann Goff	
	Stephen Duane Jackson	
	Jeffery Allen Hurst	
	Richard Duane Hurst	
	Ed Broome, Inc.	
	Gwendalyn Rae Swartzfager fka Gwendalyn Rae Rose	
	Mark Allen Jackson and Andrea Jackson, H/W	
	Jennifer Lee Harris	
	Jack Lee Smith and Cyndi Smith, H/W	
	Norman L. Jackson	
	Annette N. Davis and David A. Davis	
	Ruth Ann Nicholson	
	Maria Alexandrovna Stihary aka Maria Alexandrovna Standafer	
	Warren Scott Standafer Testamentary Trust	
	Michael Keith Gearhart	
	Brian Phillip Gearhart	
	Joseph Edward Gearhart	
	Jason Alan Gearhart	
	Melanie Faith Gearhart	
	Donald Wayne Hurst, Jr.	
	Vicki Dean aka Vicki Darlene Kriner	
	Glenn Richard Gray	
	Bruce Patrick Smith	
	Jamie Lynn Munn	
	Larry Arden Hurst	
	Donald Allen Hurst	

12/17/2021



API WELL NO
47 - 095 - 02771
STATE COUNTY PERMIT

	SURFACE OWNER	LESSOR	PIN
118	Antero Midstream LLC	Cisco Dotson and Lola B. Dotson, his wife; and Isiah S. Dotson	1-2-6
127B	Michael Shepard	Susan Swentzel Lytle	1-4-11.1
		Sandra Jo Evenson	
		The Max G. Karshner and Lois D. Karshner Revocable Living Trust dated 5/29/2009, by Max G. Karshner and Lois D. Karshner, Trustees	
		Keely A. Carabin	
		Cheryl Overmeyer	
		Samuel Curtis Graves	
		Guy T. Pigott, Jr.	
		Marcia L. Todd	
		Barbara Shipley	
		Dorothy A. Pigott, aka Dorothy A. Beck, aka Dorothy P. Hileman	
		Norma J. Simon and George P. Simon, by his AIF, Norma J. Simon	
		Dorothy A. Pigott, AIF for Lucia C. Anderson nee Pigot, Carolyn D. Erambert nee Pigot, Janet W. Coffman nee Pigott	
		June Pigott Hickel	
		K. Clark Swentzel	
		Judy L. Frashure	
		Walter S. Stout	
		Ann Stout Newman	
		William P. Stout, Jr.	
		Tony V. James	
		Melissa S. Cutter	
		Robert B. James	
		Frances Lorena Swentzel, by her attorney-in-fact, Cheryl Lynn Meredith	
		Eugene Vance Chipps, II	
128	Michael Shepard	Susan Swentzel Lytle	1-4-11.1
		Sandra Jo Evenson	
		The Max G. Karshner and Lois D. Karshner Revocable Living Trust dated 5/29/2009, by Max G. Karshner and Lois D. Karshner, Trustees	
		Keely A. Carabin	
		Cheryl Overmeyer	
		Samuel Curtis Graves	
		Guy T. Pigott, Jr.	
		Marcia L. Todd	
		Barbara Shipley	
		Dorothy A. Pigott, aka Dorothy A. Beck, aka Dorothy P. Hileman	
		Norma J. Simon and George P. Simon, by his AIF, Norma J. Simon	
		Dorothy A. Pigott, AIF for Lucia C. Anderson nee Pigot, Carolyn D. Erambert nee Pigot, Janet W. Coffman nee Pigott	
		June Pigott Hickel	
		K. Clark Swentzel	
		Judy L. Frashure	
		Walter S. Stout	
		Ann Stout Newman	
		William P. Stout, Jr.	
		Tony V. James	
		Melissa S. Cutter	
		Robert B. James	
		Tamara C. Marquardt	
		Timothy Russell Beckwith, fka James Russell Wamsley, Jr., aka Tim "Butch" Beckwith Black Gold Group, Ltd.	
		Frances Lorena Swentzel, by her attorney-in-fact, Cheryl Lynn Meredith	
		Eugene Vance Chipps, II	
		Nicholas R. Wamsley	
		Glen W. Hawk, fka Glen W. Wamsley and Heather J. Hawk, H/W	
		Edwin L. Winemiller aka Edwin L. Winemiller, Jr. and Angelina C. Winemiller, H/W	
		Carolyn Sue Wilkes	
		Judy P. Cole	
		Chelsea Rose Seiller	
		Nancy Sue Clark and Grady O. Clark, W/H	
		Charles R. LeMasters, Jr.	
		James E. Lemasters	
		Jason Seiller	
130A	Carlie James	Carlie James	1-4-5
		Susan Dankel	
		Wanda Zeitler Stearns	
		Beverly Lorraine Kvochick, fka Beverly Lorraine Blake, Beverly Lorraine Dillon and Beverly Lorraine Bryan	
		Charles Alvin Blake	
		Trustees of the First United Methodist Church, Williamstown, West Virginia, aka First Williamstown United Methodist Church	
130E	Carlie James	Carlie James	1-4-5
		Susan Dankel	
		Wanda Zeitler Stearns	
		Beverly Lorraine Kvochick, fka Beverly Lorraine Blake, Beverly Lorraine Dillon and Beverly Lorraine Bryan	
		Charles Alvin Blake	
		Trustees of the First United Methodist Church, Williamstown, West Virginia, aka First Williamstown United Methodist Church	

12/17/2021



API WELL NO
47 - 095 - 02771
STATE COUNTY PERMIT

	SURFACE OWNER	LESSOR	PIN
130F	Carlie James	Carlie James	1-4-2
		Susan Dankel	
		Wanda Zeitler Stearns	
		Beverly Lorraine Kvochick, fka Beverly Lorraine Blake, Beverly Lorraine Dillon and Beverly Lorraine Bryan	
		Charles Alvin Blake	
		Trustees of the First United Methodist Church, Williamstown, West Virginia, aka First Williamstown United Methodist Church	
135A	Kevin L Kelley	Mary Claire Bohrer	1-17-31
135A	Kevin L Kelley & Lynne E Kelley	Stephen Howard	1-17-31.1
		Clarence N. Leggett	
		Wilma Belle Duty	
		Martha Lou Burley	
		Barbara Davila	
		Donna Wright	
		Paul Thomas Gregg	
		Donna Sue Luh	
		Roberta Sue Boone	
		Edward Ray Edgell	
		Teresa Kay LaBarbera	
		Davetta Rae Pineda	
		Alice Hazel Ward	
		Wilma S. Ward	
		Brenda Deese Edgell	
		Jean Pearl Bearss	
		Maria Cecilia Muller	
		Norma B. Campbell	
		Thomas Wade Bush	
		Ronald G. Bush	
		Richard J. Bush	
		Daniel John Bush	
		Constance Bowles	
		Hermenegilda T. Bautista	
		Corazon J. Bautista	
		Francis D. Bautista	
		Albert E. Duty	
		Robert R. Washburn	
		Dane W. Zinn	
		Deloris Hughes	
		Teresa Rush and Ronal W. Rush, W/H	
		William Nicholson, aka William W. Nicholson and Judith B. Nicholson, H/W	
		Ruth G. Halverson aka Naoma R Halverson	
		Catherine Ann Duginski	
		Sandy Swearingen	
		Kevin Leisy and Marion Leisy, H/W	
		Karen J. Calzada and Candelario A. Calzada, W/H	
		Kimberley Ann Garrison	
		Kenlyn West	
		David A. Elko	
		Ryan Michael Hallman	
		Charles E. Garrison and Patricia A. Garrison	
		Richard A. Elko	
		Theresa A. Vachon and Richard R. Vachon, W/H	
		Marjorie L. Miller	
		Kristina Marie Hallman	
		Matthew Leisy	
		Albert E. Garrison, Jr.	
		Nicholas Jeremy Hallman	
		William Royce Nickey	
		Barbara Anne Burgner and David Glynn Bradley, Co-Trustees of the Stephen Bradley Family Trust	
		Kevin William Nickey	
		Christine Washburn, AIF for Helen Washburn	
		Linda L. Crystal	
		Sandra Strissel, as Guardian of the Property for David Garrison, aka David Lee Garrison	
		Sheila K. Tallon aka Sheila K. Tallon	
		Ardenna Kay Rienstra	
		Paul Xavier Sanchez, aka Paul Hallman	
		David W. Wood and Jody A. Wood, H/W	
		Rachael Escobedo	
		William R. Dotson, Trustee of the William R. Dotson Family Irrevocable Trust	
		Penelope Margaret Bowers	
		John Stephen Swiger	
		Robert Swearingen and Anne Swearingen, H/W	
		Martha Joan McCulloch	

12/17/2021

SURFACE OWNER		LESSOR	PIN
		Julia Ann Owens Thomas S. Pace, POA for Bobbie Pace, aka Bobby S. Pace Cynthia Sue Bair Paula Kulbaga and Paul Kulbaga, W/H Barbara Nickey Kester Sherry Ann Nicholson Timothy J. Tefs James A. Tefs Daniel Edward Kester Karen Anne Kester Steven Ryan Kester Bobby Lynn Tefs Marie Christine Castro Brinks Helen Kathleen Scollan Pamela Carson Leggett Barbara Lacossee James McCulloch Elizabeth Duty Samson Alfredo E. Gallardo, Jr. Jose N. Bautista Paula N. Bautista, aka, Sister Maria Teresa Bautista	
135B	Kevin L Kelley	Mary Claire Bohrer	1-17-31.2
135B	Kevin L Kelley & Lynne A Kelley	Stephen Howard	1-17-31.3
		Clarence N. Leggett Wilma Belle Duty Martha Lou Burley Barbara Davila Donna Wright Paul Thomas Gregg Donna Sue Luh Roberta Sue Boone Edward Ray Edgell Teresa Kay LaBarbera Davetta Rae Pineda Alice Hazel Ward Wilma S. Ward Brenda Deese Edgell Jean Pearl Bearss Maria Cecilia Muller Norma B. Campbell Thomas Wade Bush Ronald G. Bush Richard J. Bush Daniel John Bush Constance Bowles Hermenegilda T. Bautista Corazon J. Bautista Francis D. Bautista Albert E. Duty Robert R. Washburn Dane W. Zinn Deloris Hughes Teresa Rush and Ronal W. Rush, W/H William Nicholson, aka William W. Nicholson and Judith B. Nicholson, H/W Ruth G. Halverson aka Naoma R Halverson Catherine Ann Duginski Sandy Swearingen Kevin Leisy and Marion Leisy, H/W Karen J. Calzada and Candelario A. Calzada, W/H Kimberley Ann Garrison Kenlyn West David A. Elko Ryan Michael Hallman Charles E. Garrison and Patricia A. Garrison Richard A. Elko Theresa A. Vachon and Richard R. Vachon, W/H Marjorie L. Miller Kristina Marie Hallman Matthew Leisy Albert E. Garrison, Jr. Nicholas Jeremy Hallman William Royce Nickey Barbara Anne Burgner and David Glynn Bradley, Co-Trustees of the Stephen Bradley Family Trust	

12/17/2021

SURFACE OWNER	LESSOR	PIN
	Kevin William Nickey	
	Christine Washburn, AIF for Helen Washburn	
	Linda L. Crystal	
	Sandra Strissel, as Guardian of the Property for David Garrison, aka David Lee Garrison	
	Sheila K. Tallon aka Sheila K. Tallon	
	Ardenna Kay Rienstra	
	Paul Xavier Sanchez, aka Paul Hallman	
	David W. Wood and Jody A. Wood, H/W	
	Rachael Escobedo	
	William R. Dotson, Trustee of the William R. Dotson Family Irrevocable Trust	
	Penelope Margaret Bowers	
	John Stephen Swiger	
	Robert Swearingen and Anne Swearingen, H/W	
	Martha Joan McCulloch	
	Julia Ann Owens	
	Thomas S. Pace, POA for Bobbie Pace, aka Bobby S. Pace	
	Cynthia Sue Bair	
	Paula Kulbaga and Paul Kulbaga, W/H	
	Barbara Nickey Kester	
	Sherry Ann Nicholson	
	Timothy J. Tefs	
	James A. Tefs	
	Daniel Edward Kester	
	Karen Anne Kester	
	Steven Ryan Kester	
	Bobby Lynn Tefs	
	Marie Christine Castro Brinks	
	Helen Kathleen Scollan	
	Pamela Carson Leggett	
	Barbara Lacossee	
	James McCulloch	
	Elizabeth Duty Samson	
	Alfredo E. Gallardo, Jr.	
	Jose N. Bautista	
	Paula N. Bautista, aka, Sister Maria Teresa Bautista	
141 Carlie James	West Virginia Department of Transportation, Division of Highways	1-4-2 1-4-5

12/17/2021

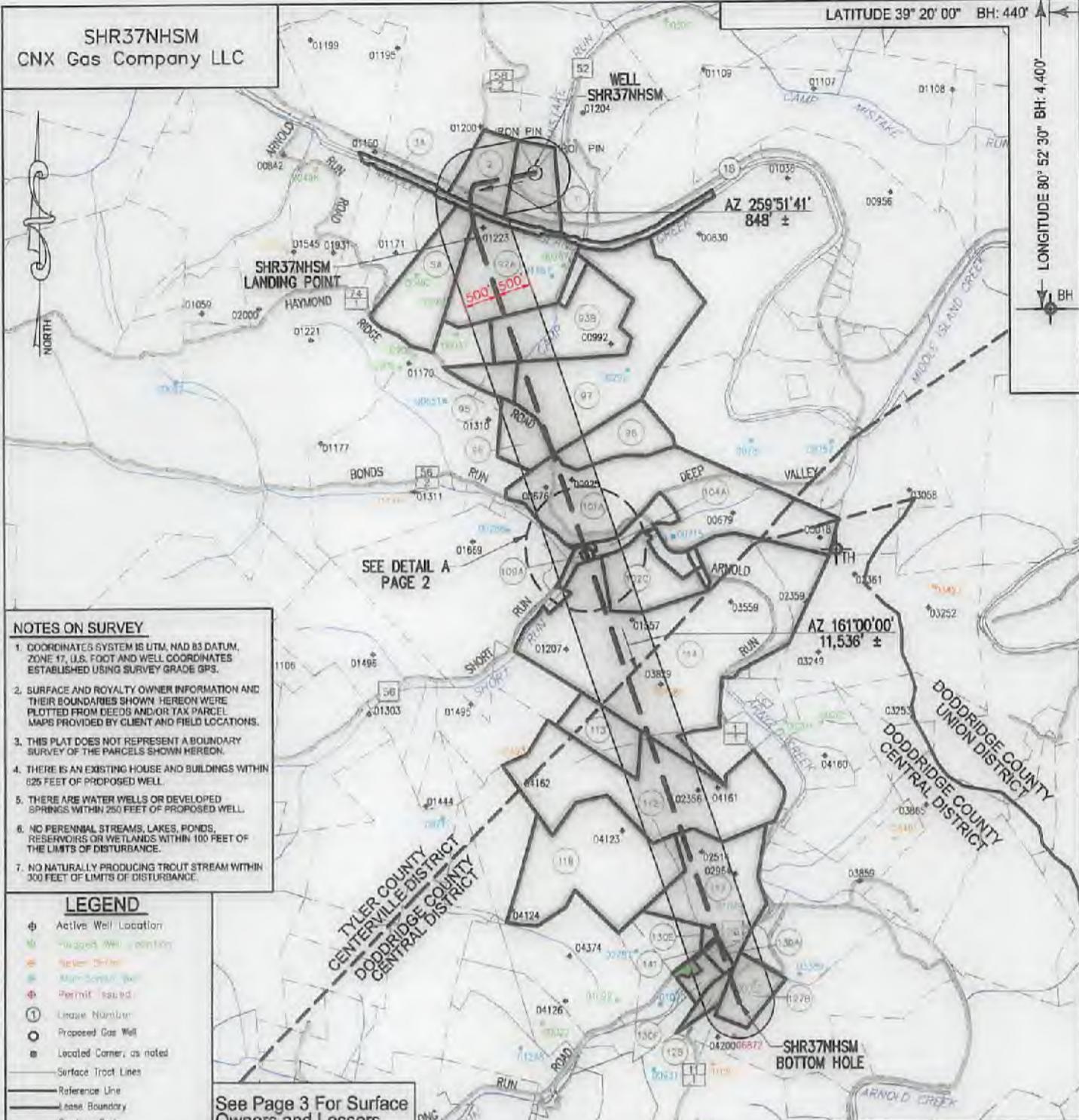
LATITUDE 39° 22' 30"

TH: 3,545'

LATITUDE 39° 20' 00"

BH: 440'

SHR37NHSM
CNX Gas Company LLC



LONGITUDE 80° 52' 30"

BH: 4,400'

TH: 7,810'

LONGITUDE 80° 50' 00"

NOTES ON SURVEY

1. COORDINATES SYSTEM IS UTM, NAD 83 DATUM, ZONE 17, U.S. FOOT AND WELL COORDINATES ESTABLISHED USING SURVEY GRADE GPS.
2. SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND FIELD LOCATIONS.
3. THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
4. THERE IS AN EXISTING HOUSE AND BUILDINGS WITHIN 625 FEET OF PROPOSED WELL.
5. THERE ARE WATER WELLS OR DEVELOPED SPRINGS WITHIN 250 FEET OF PROPOSED WELL.
6. NO PERENNIAL STREAMS, LAKES, PONDS, RESERVOIRS OR WETLANDS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.
7. NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF LIMITS OF DISTURBANCE.

LEGEND

- Active Well Location
- Wegged Well Location
- Section Corner
- Non-Survey Well
- Permit Sealed
- Lease Number
- Proposed Gas Well
- Located Corner, as noted
- Surface Tract Lines
- Reference Line
- Lease Boundary
- Creek or Drain
- WV County Route
- WV State Route

See Page 3 For Surface Owners and Lessors

(*) Denotes Location of Well on United States Topographic Maps



I, the undersigned, hereby certify that this plat is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Department of Environmental Protection.

Thomas C. Smith
L. L. S. 687



SEAL

FILE NO:
DRAWING NO:
SCALE: 1" = 2000'
MINIMUM DEGREE OF ACCURACY: 1:2500
PROVEN SOURCE OF ELEVATION: SG-GPS (OPUS)

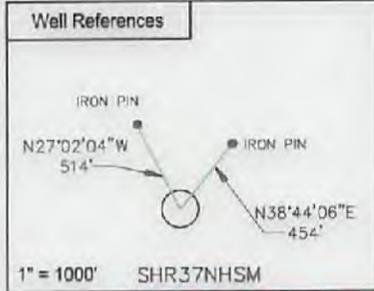
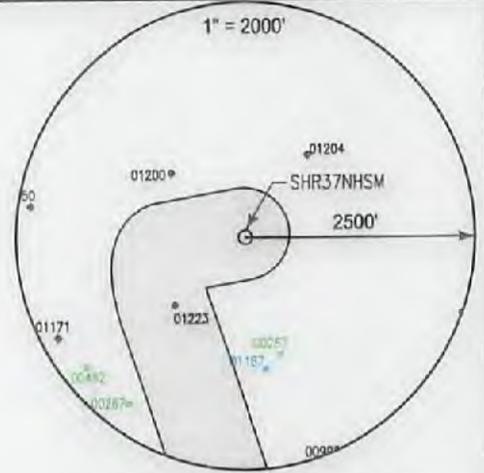
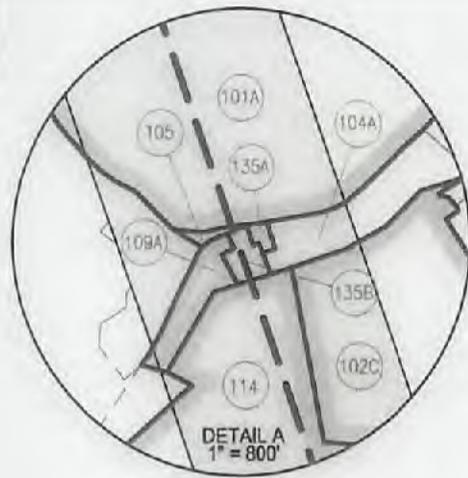


DATE: November 03 20 21
OPERATORS WELL NO: SHR37NHSM
API WELL NO: 47 - 095 - 02711
STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
 LOCATION ELEVATION: 828' WATERSHED: Headwaters Middle Island Creek QUADRANGLE: West Union, WV 7.5'
 DISTRICT: Centerville COUNTY: Tyler
 SURFACE OWNER: CNX Gas Company LLC ACREAGE: 18.1
 ROYALTY OWNER: Eleanor V. & Dean A. Earnheart, et al. LEASE NO: 269278000 ACREAGE: 720.525 ±
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY)
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus ESTIMATED DEPTH: TVD: 6,302'
 WELL OPERATOR: CNX Gas Company LLC DESIGNATED AGENT: Anthony Kendziora
 ADDRESS: 1000 Consol Energy Drive ADDRESS: 1000 Consol Energy Drive
 Canonsburg, PA 15317 Canonsburg, PA 15317

12/17/2021

SHR37NHSM
CNX Gas Company LLC



SURFACE HOLE LOCATION (SHL)	
UTM 17 NAD 83	
N: 4356024.318	
E: 513280.399	
NAD 83, WV NORTH	
N: 313741.500	
E: 1587940.309	
LAT/LON DATUM NAD 83	
LAT: 39°21'12.825"	
LON: 80°50'45.103"	
LANDING POINT	
UTM 17 NAD 83	
N: 4355745.075	
E: 513032.515	
NAD 83, WV NORTH	
N: 312838.735	
E: 1587111.579	
LAT/LON DATUM NAD 83	
LAT: 39°21'03.781"	
LON: 80°50'55.480"	

SHR 37 WELL PAD	
BOTTOM HOLE LOCATION (BHL)	
UTM 17 NAD 83	
N: 4352441.142	
E: 514232.179	
NAD 83, WV NORTH	
N: 301931.086	
E: 1590867.386	
LAT/LON DATUM NAD 83	
LAT: 39°19'16.536"	
LON: 80°50'05.609"	



I, the undersigned, hereby certify that this plat is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Department of Environmental Protection.

Thomas C. Smit

L. L. S. 687



SEAL

FILE NO: _____
DRAWING NO: _____
SCALE: 1" = 1000'
MINIMUM DEGREE OF ACCURACY: 1:2500
PROVEN SOURCE OF ELEVATION: NGS CORS Station



DATE: November 03 20 21
OPERATORS WELL NO: SHR37NHSM
API WELL NO: 47 - 095 -
STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF GAS) PRODUCTION: STORAGE DEEP SHALLOW

LOCATION ELEVATION: 828' WATERSHED: Headwaters Middle Island Creek QUADRANGLE: West Union, WV 7.5'
DISTRICT: Centerville COUNTY: Tyler

SURFACE OWNER: CNX Gas Company LLC ACREAGE: 18 ±
ROYALTY OWNER: Eleanor V. & Dean A. Earnheart, et al. LEASE NO: 269278000 ACREAGE: 720.525 ±

PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY)
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus ESTIMATED DEPTH: TVD: 6,302'

WELL OPERATOR: CNX Gas Company LLC DESIGNATED AGENT: Anthony Kendziora
ADDRESS: 1000 Consol Energy Drive ADDRESS: 1000 Consol Energy Drive
Canonsburg, PA 15317 Canonsburg, PA 15317

12/17/2021

	SURFACE OWNER	LESSOR	PIN
1	CNX Gas Company LLC	Eleanor V. Earnheart and Dean A. Earnheart, her husband	1-17-5
		Clella Boice, widow	
		Luella I. McConnell, widow	
		Agnes Godwin, widow	
		Nancy P. McClain and Ralph E. McClain, wife and husband	
		Georgia P. Snyder, divorced	
		Bradie Pipes and Goldie Pipes, his wife	
		Pursie Pipes and Norma J. Pipes, husband and wife	
		Dorothy Belle Wells and Byron Wells, her husband	
		Wanda Weekley, widow	
		Myrna Morgan and David Morgan, her husband	
2	Gail Williamson	Eleanor V. Earnheart and Dean A. Earnheart, her husband	1-17-6
		Clella Boice, widow	
		Luella I. McConnell, widow	
		Agnes Godwin, widow	
		Nancy P. McClain and Ralph E. McClain, wife and husband	
		Georgia P. Snyder, divorced	
		Bradie Pipes and Goldie Pipes, his wife	
		Pursie Pipes and Norma J. Pipes, husband and wife	
		Dorothy Belle Wells and Byron Wells, her husband	
		Wanda Weekley, widow	
		Myrna Morgan and David Morgan, her husband	
		Reva D. Rowland, aka Reva Rowland and Ronald Royce Rowland	
3A	West Virginia Division of Natural Resources	West Virginia Division of Natural Resources	Middle Island Creek
5A	James R Sr. & James R Jr. Underwood & Mitzie Johnson	Sarah E. Doak, Austin Doak, and Myrtle E. Doak, H/W, Dorsey Doak and Sarah E. Doak, H/W, Oliver A. Doak, Kirby D. Doak, Ida Lemasters and Elzy Lemasters, W/H, Myrtle White and Jasper White, W/H	1-17-12.1
		Tribune Resources Minerals, LLC, fka Ascent Resources Marcellus Minerals, LLC	
92A	Samuel V Ash & Denise Rule	A.E. Doak and Callie Doak	1-17-4
93B	Ryan Davis & Carrie L Davis	Ance Doak and Flora Doak, H/W Goldie McKitrick, widow	1-17-15
95	Harry R & Vonda K Galloop	BRC Appalachian Minerals I, LLC Norma Long, widow AMP Fund II, LP J&N Management LLC	1-17-16
96	George A Sabol & Cristina A Zettel	Norma Long, widow Shirley A. Lohr	1-17-17
97	Ryan Davis & Carrie L Davis	Pearl I. Slack	1-17-15
97	Ryan & Carrie L Davis	Norma Long	1-18-7
98	Elden L Pratt, Dean Rodney & Timothy Ray Pratt	Beverly Ann Underwood	1-17-11
		Barbara McClain	
		Yale University	
		Tina Marie Vickery fka Tina Marie Greenwood	
		Cheryl Denise Ismert fka Cheryl Denise Cole	
		Shari Greenwood	
		Gary Lee Greenwood	
		Randall Allen Pratt	
		Chad Greenwood	
		AMP Fund III, LP	
		Mary Ann Webster, Trustee of the Webster Living Trust, dated December 19, 2001	
101A	Ralph Paul McCutchan (Life)	Margaret C. Nied	1-18-11
		Helen C. Dahle	
		James P. Cullinan	
		Mary C. Schilling Trust – 2010, by Keith Schilling, Trustee	
		William Paul McCutchan and Virginia B. McCutchan	
		Kathleen Bradford Upton	
		William Warren Upton and Frances J. Upton, H/W	
		Marie L. Bradford, widow and heir under the Last Will and Testament of James Perry Bradford	
102C	Arnolds Creek Christian Church	Planters Bank, Trustee for Franklin L. Butler IRA under agreement dated 9/10/1991	1-18-9
102C	William J Stanley	Edward Mullooly	1-18-10
		Robert E. Burgess, Sr. and Barbara Burgess, H/W	
		Trustee of the Arnold's Creek Christian Church	
104A	William L Stringham & Kelly F Stringham	James Marr Southern and Penny G. Southern, H/W	1-18-8
		Ronald J. McBee	
		Connie Sue Conrad	
		James Lee Phillips aka James L. Phillips	
		Clyde Williams Phillips aka Clyde W. Phillips	
		Joyce E. Matthews	
		Chad W. Johnson	
		Janice Coffindaffer	
		Sandra Jean Fox	
		Harry R. Fox	
		Stephen Fox	
		Troy Fox	

12/17/2021

SURFACE OWNER		LESSOR	PIN
		Melanie L. Yoak	
		Kenneth J. Butler, Jr.	
		Bruce D. Knowlton	
		William Hubbard and Anita Joy Hubbard, H/W	
		Robert Hubbard and Barbara Hubbard, H/W	
		Bonnie Zelic	
		Bradley Hubbard	
		John Paul Smith, Jr.	
		Diane Mikes aka Dianna M. Mikes	
		Barbara McClain	
		James R. Underwood	
		Sherry Quay	
		Robert A. Wagner and Mabel L. Wagner, as Trustees of the Robert and Mabel Wagner Living Trust	
		Kathleen Cody	
		Charles H. Bower, Jr.	
		Desolyn Florence Doak	
		Brenda S. Ryan	
		John Paladino	
105	Kevin L Kelley & Lynne A Kelley	Bryan Edward Foster	1-17-30
		Eric Carl Foster and Angela Foster, H/W	
		Ralph M. Hiley and Rita E. Hiley, H/W	
		Roger Hiley and Danita Hiley, H/W	
		Virginia M. Ash and Jack Ash, W/H	
		Linda Cogar	
		Carol Gene Cogar and Carol Jeanne Cogar, H/W	
		Gail Bradly Cogar and Patricia L. Cogar, H/W	
		Larry Cogar and Aris Cogar, H/W	
		Linda L. Khumark	
		Patricia Mulvay and Edwin D. Mulvay, W/H	
		Raymond Cogar and Norma A. Cogar, H/W	
		Wilford Leymoin Cogar and Helen I. Cogar, H/W	
		David Leroy Cogar	
		Estate of Brenda Dillon, by Linda Khumark, Executor	
		Rebecca S. Cogar	
		Eleanor R. Williamson	
		Goldie M. Cogar	
		Kenneth S. Cogar and Bernice Cogar, H/W	
		Brian W. Shepherd	
		Laura Boyer	
		Robert A. Fletcher and Ellen Suzanne Fletcher, H/W	
		Tammy Prieto	
		Deborah Garner Dew, aka Debbie Dew	
		Edith I. Wise	
		Joseph A. Garner	
		Russell Ray Fletcher	
		Delores Fletcher	
		Jon Scott Fletcher	
109A	Kevin L Kelley & Lynne A Kelley	Ronal Rush and Teresa Rush, H/W	1-17-30
112	Lonnie C James	Lillie M. Shepherd	1-2-5
		Allegheny Land and Mineral Company	
		The Union National Bank as Trustee for Truman E. Gore and C. Burke Morris, u/a dtd. 8/25/1966	
113	Charter D Stinespring & Victor Goff Stinespring	David Allen Bess, aka David A. Bess	1-2-1.1
		Shirley Lohr	
		Charter D. Stinespring II and Stephanie Stinespring, H/W	
		Victor Goff Stinespring and Pamela R. Stinespring, H/W	
		IN SEARCH OF THE LORD'S WAY, INC. a/k/a, IN SEARCH OF THE LORD'S WAY	
		Norma T. Long Trust, dated November 8, 2013	
114	Victor Goff Stinespring, Charter D Stinespring	Sonya Rickel and Joe Rickel Jr. W/H	1-2-1
114	Victor Stinespring et ux	Charlotte Bryant and Ervin Bryant, W/H	1-2-1.2
		Garrett G. Pyles	
		Janice Phelps and Harry Phelps, W/H	
		Robert F. Pratt and Glenna Z. Pratt, H/W	
		Kenneth E. Pratt and Laura L. Pratt, H/W	
		Janet P. Tinkham and Elwin I. Tinkham, W/H	
		Allen Pratt and Patricia Pratt, H/W	
		Jean Cole and Robert L. Cole, W/H	
		Dorothy A. Greenwood and Malcolm Greenwood, W/H	
		Margaret R. Mead and Richard F. Mead, W/H	
		Mary J. Borer and Donald E. Borer, W/H	
		Kenneth M. Wagner and Mary A. Wagner, H/W	
		John Paladino	
		Patty Lou Fox and Harry R. Fox, W/H	
		Robert D. L. Doak	
		Ida Bower	
		Jack Coffindaffer and Janice Lee Coffindaffer, H/W	
		Esther Doak	

12/17/2021

SURFACE OWNER	LESSOR	PIN
	Virginia McBee and Robert McBee, W/H	
	Karen Y. Meiter and Robert Lynn Meiter, W/H	
	Paul Wagner and Joan Wagner, H/W	
	Leona Smith and John Smith, W/H	
	Sylvia Knowleton and Clee Knowleton, W/H	
	Ruth M. Hubbard	
	Ina M. Wagner	
	Juliana M. Moore	
	Gussie Devoll	
	Martha Moore Hanson and Peter S. Hanson, W/H	
	Vonda Wagner	
	Wayne Kellar and Peggy Kellar, H/W, aka Wayne Kellar and Margaret H. Kellar, H/W	
	Catherine Moore	
	C. H. Wagner and Olive Irene Wagner, H/W	
	Darryl Pratt	
	Mary D. Southern	
	Wilda Doak	
	Beverly Delancey and Eleanor Knight and Stanford Knight, W/H and James W. Ash and Hazel Ash, H/W, Lelia Washburn, Charlene Smith and George Smith, W/H, and Barbara Thalrose and Harold Thalrose, W/H	
	Theresa Pratt	
	Sherry Lynn Quay	
117	Lonnie C James	1-4-6
	Mrs. Sylvia Wulfert, Ruby Hunt, Mr. Lynn Wulfert	
	U. G. Summers Estate: William G. Summers and Kathryn Summers, H/W, Hector Keith Summers, Pauline Summers, Kathleen Clara Summers	
	U. G. Summers Estate: William G. Summers and Kathryn Summers, H/W, Hector Keith Summers, Pauline Summers, Kathleen Clara Summers	
	Lorena G. Hammer	
	Ardenna Kay Rienstra	
	ELGG Land Limited	
	Robert Swearingen	
	Sandra Swearingen	
	Charles W. Hendrickson and Elizabeth Hendrickson	
	Terry L. Snider	
	Martha Ann Hanes	
	Mary Garland Hanes	
	Nicholas Osborne Hanes	
	Barbara G. Clark	
	Donald Reynolds, aka Donald R. Reynolds	
	Ronald Glenn Hurst	
	James Lee Hurst, Sr.	
	Pamela Sue Summers	
	Kathy Mae Fenstermaker	
	David Leroy Gray	
	David Charles Hurst	
	Westlake Energy Partners, LLC	
	Cynthia Gray	
	Linda Sue Oxendine	
	Tina Hurst	
	Kitty Ann Sams	
	Catherine L. Snider	
	Barbara L. Wilson	
	Aunix Acquisition Fund, LLC	
	Harold Wayne Hurst, aka H. Wayne Hurst	
	Rodney Gale Smith	
	Sandra S. DiGiacobbe fka Sandra S. Hurst and Ronald D. DiGiacobbe, W/H	
	Angela Fay Miller	
	Rebecca Ann Goff	
	Stephen Duane Jackson	
	Jeffery Allen Hurst	
	Richard Duane Hurst	
	Ed Broome, Inc.	
	Gwendalyn Rae Swartzfager fka Gwendalyn Rae Rose	
	Mark Allen Jackson and Andrea Jackson, H/W	
	Jennifer Lee Harris	
	Jack Lee Smith and Cyndi Smith, H/W	
	Norman L. Jackson	
	Annette M. Davis and David A. Davis	
	Ruth Ann Nicholson	
	Maria Alexandrovna Stihary aka Maria Alexandrovna Standafer	
	Warren Scott Standafer Testamentary Trust	
	Michael Keith Gearhart	
	Brian Phillip Gearhart	
	Joseph Edward Gearhart	
	Jason Alan Gearhart	
	Melanie Faith Gearhart	
	Donald Wayne Hurst, Jr.	
	Vicki Dean aka Vicki Darlene Kriner	
	Glenn Richard Gray	
	Bruce Patrick Smith	
	Jamie Lynn Munn	
	Larry Arden Hurst	
	Donald Allen Hurst	

12/17/2021

	SURFACE OWNER	LESSOR	PIN
118	Antero Midstream LLC	Cisco Dotson and Lola B. Dotson, his wife; and Isiah S. Dotson	1-2-6
127B	Michael Shepard	Susan Swentzel Lytle	1-4-11.1
		Sandra Jo Evenson The Max G. Karshner and Lois D. Karshner Revocable Living Trust dated 5/29/2009, by Max G. Karshner and Lois D. Karshner, Trustees Keely A. Carabin Cheryl Overmeyer Samuel Curtis Graves Guy T. Pigott, Jr. Marcia L. Todd Barbara Shipley Dorothy A. Pigott, aka Dorothy A. Beck, aka Dorothy P. Hileman Norma J. Simon and George P. Simon, by his AIF, Norma J. Simon Dorothy A. Pigott, AIF for Lucia C. Anderson nee Pigot, Carolyn D. Erambert nee Pigot, Janet W. Coffman nee Pigott June Pigott Hickel K. Clark Swentzel Judy L. Frashure Walter S. Stout Ann Stout Newman William P. Stout, Jr. Tony V. James Melissa S. Cutter Robert B. James Frances Lorena Swentzel, by her attorney-in-fact, Cheryl Lynn Meredith Eugene Vance Chipps, II	
128	Michael Shepard	Susan Swentzel Lytle	1-4-11.1
		Sandra Jo Evenson The Max G. Karshner and Lois D. Karshner Revocable Living Trust dated 5/29/2009, by Max G. Karshner and Lois D. Karshner, Trustees Keely A. Carabin Cheryl Overmeyer Samuel Curtis Graves Guy T. Pigott, Jr. Marcia L. Todd Barbara Shipley Dorothy A. Pigott, aka Dorothy A. Beck, aka Dorothy P. Hileman Norma J. Simon and George P. Simon, by his AIF, Norma J. Simon Dorothy A. Pigott, AIF for Lucia C. Anderson nee Pigot, Carolyn D. Erambert nee Pigot, Janet W. Coffman nee Pigott June Pigott Hickel K. Clark Swentzel Judy L. Frashure Walter S. Stout Ann Stout Newman William P. Stout, Jr. Tony V. James Melissa S. Cutter Robert B. James Tamara C. Marquardt Timothy Russell Beckwith, fka James Russell Wamsley, Jr., aka Tim "Butch" Beckwith Black Gold Group, Ltd. Frances Lorena Swentzel, by her attorney-in-fact, Cheryl Lynn Meredith Eugene Vance Chipps, II Nicholas R. Wamsley Glen W. Hawk, fka Glen W. Wamsley and Heather J. Hawk, H/W Edwin L. Winemiller aka Edwin L. Winemiller, Jr. and Angelina C. Winemiller, H/W Carolyn Sue Wilkes Judy P. Cole Chelsea Rose Seiller Nancy Sue Clark and Grady O. Clark, W/H Charles R. LeMasters, Jr. James E. Lemasters Jason Seiller	
130A	Carlie James	Carlie James	1-4-5
		Susan Dankel Wanda Zeitler Stearns Beverly Lorraine Kvochick, fka Beverly Lorraine Blake, Beverly Lorraine Dillon and Beverly Lorraine Bryan Charles Alvin Blake Trustees of the First United Methodist Church, Williamstown, West Virginia, aka First Williamstown United Methodist Church	
130E	Carlie James	Carlie James	1-4-5
		Susan Dankel Wanda Zeitler Stearns Beverly Lorraine Kvochick, fka Beverly Lorraine Blake, Beverly Lorraine Dillon and Beverly Lorraine Bryan Charles Alvin Blake Trustees of the First United Methodist Church, Williamstown, West Virginia, aka First Williamstown United Methodist Church	

12/17/2021



API WELL NO
47 - 095 -
STATE COUNTY PERMIT

	SURFACE OWNER	LESSOR	PIN
130F	Carlie James	Carlie James	1-4-2
		Susan Dankel	
		Wanda Zeitler Stearns	
		Beverly Lorraine Kvochick, fka Beverly Lorraine Blake, Beverly Lorraine Dillon and Beverly Lorraine Bryan	
		Charles Alvin Blake	
		Trustees of the First United Methodist Church, Williamstown, West Virginia, aka First Williamstown United Methodist Church	
135A	Kevin L Kelley	Mary Claire Bohrer	1-17-31
135A	Kevin L Kelley & Lynne E Kelley	Stephen Howard	1-17-31.1
		Clarence N. Leggett	
		Wilma Belle Duty	
		Martha Lou Burley	
		Barbara Davila	
		Donna Wright	
		Paul Thomas Gregg	
		Donna Sue Luh	
		Roberta Sue Boone	
		Edward Ray Edgell	
		Teresa Kay LaBarbera	
		Davetta Rae Pineda	
		Alice Hazel Ward	
		Wilma S. Ward	
		Brenda Deese Edgell	
		Jean Pearl Bearss	
		Maria Cecilia Muller	
		Norma B. Campbell	
		Thomas Wade Bush	
		Ronald G. Bush	
		Richard J. Bush	
		Daniel John Bush	
		Constance Bowles	
		Hermenegilda T. Bautista	
		Corazon J. Bautista	
		Francis D. Bautista	
		Albert E. Duty	
		Robert R. Washburn	
		Dane W. Zinn	
		Deloris Hughes	
		Teresa Rush and Ronal W. Rush, W/H	
		William Nicholson, aka William W. Nicholson and Judith B. Nicholson, H/W	
		Ruth G. Halverson aka Naoma R Halverson	
		Catherine Ann Duginski	
		Sandy Swearingen	
		Kevin Leisy and Marion Leisy, H/W	
		Karen J. Calzada and Candelario A. Calzada, W/H	
		Kimberley Ann Garrison	
		Kenlyn West	
		David A. Elko	
		Ryan Michael Hallman	
		Charles E. Garrison and Patricia A. Garrison	
		Richard A. Elko	
		Theresa A. Vachon and Richard R. Vachon, W/H	
		Marjorie L. Miller	
		Kristina Marie Hallman	
		Matthew Leisy	
		Albert E. Garrison, Jr.	
		Nicholas Jeremy Hallman	
		William Royce Nickey	
		Barbara Anne Burgner and David Glynn Bradley, Co-Trustees of the Stephen Bradley Family Trust	
		Kevin William Nickey	
		Christine Washburn, AIF for Helen Washburn	
		Linda L. Crystal	
		Sandra Strissel, as Guardian of the Property for David Garrison, aka David Lee Garrison	
		Sheila K. Tallon aka Sheila K. Tallon	
		Ardenna Kay Rienstra	
		Paul Xavier Sanchez, aka Paul Hallman	
		David W. Wood and Jody A. Wood, H/W	
		Rachael Escobedo	
		William R. Dotson, Trustee of the William R. Dotson Family Irrevocable Trust	
		Penelope Margaret Bowers	
		John Stephen Swiger	
		Robert Swearingen and Anne Swearingen, H/W	
		Martha Joan McCulloch	

12/17/2021

SURFACE OWNER		LESSOR	PIN
		Julia Ann Owens	
		Thomas S. Pace, POA for Bobbie Pace, aka Bobby S. Pace	
		Cynthia Sue Bair	
		Paula Kulbaga and Paul Kulbaga, W/H	
		Barbara Nickey Kester	
		Sherry Ann Nicholson	
		Timothy J. Tefs	
		James A. Tefs	
		Daniel Edward Kester	
		Karen Anne Kester	
		Steven Ryan Kester	
		Bobby Lynn Tefs	
		Marie Christine Castro Brinks	
		Helen Kathleen Scollan	
		Pamela Carson Leggett	
		Barbara Lacossee	
		James McCulloch	
		Elizabeth Duty Samson	
		Alfredo E. Gallardo, Jr.	
		Jose N. Bautista	
		Paula N. Bautista, aka, Sister Maria Teresa Bautista	
135B	Kevin L Kelley	Mary Claire Bohrer	1-17-31.2
135B	Kevin L Kelley & Lynne A Kelley	Stephen Howard	1-17-31.3
		Clarence N. Leggett	
		Wilma Belle Duty	
		Martha Lou Burley	
		Barbara Davila	
		Donna Wright	
		Paul Thomas Gregg	
		Donna Sue Luh	
		Roberta Sue Boone	
		Edward Ray Edgell	
		Teresa Kay LaBarbera	
		Davetta Rae Pineda	
		Alice Hazel Ward	
		Wilma S. Ward	
		Brenda Deese Edgell	
		Jean Pearl Bearss	
		Maria Cecilia Muller	
		Norma B. Campbell	
		Thomas Wade Bush	
		Ronald G. Bush	
		Richard J. Bush	
		Daniel John Bush	
		Constance Bowles	
		Hermenegilda T. Bautista	
		Corazon J. Bautista	
		Francis D. Bautista	
		Albert E. Duty	
		Robert R. Washburn	
		Dane W. Zinn	
		Deloris Hughes	
		Teresa Rush and Ronal W. Rush, W/H	
		William Nicholson, aka William W. Nicholson and Judith B. Nicholson, H/W	
		Ruth G. Halverson aka Naoma R Halverson	
		Catherine Ann Duginski	
		Sandy Swearingen	
		Kevin Leisy and Marion Leisy, H/W	
		Karen J. Calzada and Candelario A. Calzada, W/H	
		Kimberley Ann Garrison	
		Kenlyn West	
		David A. Elko	
		Ryan Michael Hallman	
		Charles E. Garrison and Patricia A. Garrison	
		Richard A. Elko	
		Theresa A. Vachon and Richard R. Vachon, W/H	
		Marjorie L. Miller	
		Kristina Marie Hallman	
		Matthew Leisy	
		Albert E. Garrison, Jr.	
		Nicholas Jeremy Hallman	
		William Royce Nickey	
		Barbara Anne Burgner and David Glynn Bradley, Co-Trustees of the Stephen Bradley Family Trust	

12/17/2021

SURFACE OWNER	LESSOR	PIN
	Kevin William Nickey	
	Christine Washburn, AIF for Helen Washburn	
	Linda L. Crystal	
	Sandra Strissel, as Guardian of the Property for David Garrison, aka David Lee Garrison	
	Sheila K. Tallon aka Sheila K. Tallon	
	Ardenna Kay Rienstra	
	Paul Xavier Sanchez, aka Paul Hallman	
	David W. Wood and Jody A. Wood, H/W	
	Rachael Escobedo	
	William R. Dotson, Trustee of the William R. Dotson Family Irrevocable Trust	
	Penelope Margaret Bowers	
	John Stephen Swiger	
	Robert Swearingen and Anne Swearingen, H/W	
	Martha Joan McCulloch	
	Julia Ann Owens	
	Thomas S. Pace, POA for Bobbie Pace, aka Bobby S. Pace	
	Cynthia Sue Bair	
	Paula Kulbaga and Paul Kulbaga, W/H	
	Barbara Nickey Kester	
	Sherry Ann Nicholson	
	Timothy J. Tefs	
	James A. Tefs	
	Daniel Edward Kester	
	Karen Anne Kester	
	Steven Ryan Kester	
	Bobby Lynn Tefs	
	Marie Christine Castro Brinks	
	Helen Kathleen Scollan	
	Pamela Carson Leggett	
	Barbara Lacossee	
	James McCulloch	
	Elizabeth Duty Samson	
	Alfredo E. Gallardo, Jr.	
	Jose N. Bautista	
	Paula N. Bautista, aka, Sister Maria Teresa Bautista	
141 Carlie James	West Virginia Department of Transportation, Division of Highways	1-4-2 1-4-5

12/17/2021

WW-6A1
(5/13)

Operator's Well No. SHR37NHSM

**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

RECEIVED
Office of Oil and Gas

NOV 15 2021

WV Department of
Environmental Protection

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:

Sarah Weigand

Its:

Manager Upstream Permitting

Tract ID	Tax Map & Parcel	Title Opinion QLS #	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
93B	1-17-15	265336000	Ansel Doak and Flora Doak, h/w Goldie McKittrick, widow R. H. Duty, d/b/a Duty Oil Company	Dorsey Duty and R. H. Duty	Not less than 1/8	150/460
			John A. Smith and Edwin E. Cox, d/b/a Ash Oil and Gas Company	Edwin E. Cox and John A. Smith, d/b/a Ash Oil and Gas Company	Assignment	187/384
			John A. Smith and Edwin E. Cox, d/b/a Ash Oil and Gas Company	John A. Smith	Assignment	244/429
			John A. Smith and Edith U. Smith, h/w	John M. McKittrick and Clarence H. Wagner	Assignment	259/439
			C. H. Wagner and J. McKittrick	Appalachian Energy Development, Inc.	Assignment	363/311
			Appalachian Energy Development, Inc.	Triad Energy Corporation of West Virginia, Inc.	Assignment	329/538
			Triad Energy Corporation of West Virginia, Inc.	Viking International Resources Co., Inc., d/b/a Virco	Assignment	333/230
			Viking International Resources Co., Inc.	Triad Energy Corporation	Assignment	338/164
			Triad Energy Corporation	Triad Hunter, LLC	Assignment	371/605
			Triad Hunter, LLC	Antero Resources Corporation	Assignment	626/653
Antero Resources Corporation	CNX Gas Company LLC	Assignment	629/658			
95	1-17-16	266302000	BRC Appalachian Minerals I, LLC	BRC Working Interest Company LLC	Not less than 1/8	369/300 369/648
			BRC Working Interest Company LLC	Chesapeake Appalachia, LLC	Assignment	369/784
			Chesapeake Appalachia, LLC	Statoil USA Onshore Properties Inc.	Assignment	378/764
			Chesapeake Appalachia, LLC	SWN Production Company, LLC	Assignment	465/463
			Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC	Assignment	470/668
			SWN Exchange Titleholder LLC	SWN Production Company, LLC	Merger	Corp. Bk. 9/404
			SWN Production Company, LLC & Statoil USA Onshore Properties Inc.	Noble Energy, Inc. & CNX Gas Company LLC	Assignment	518/207
			Noble Energy, Inc.	CNX Gas Company LLC	Assignment	550/273
			Norma Long, widow	Exxon Corporation	Not less than 1/8	209/132
			Exxon Corporation	Exxon Mobil Corporation	Name Change	WVSOS
			Exxon Mobil Corporation	XTO Energy Inc.	Assignment	496/126
			XTO Energy Inc.	Antero Resources Corporation	Assignment	532/239
			Antero Resources Corporation	CNX Gas Company LLC	Assignment	629/658
			AMP Fund II, LP	CNX Gas Company, LLC	Not less than 1/8	121/232
			J&N Management LLC	CNX Gas Company, LLC	Not less than 1/8	102/32
96	1-17-17	292201000	Norma Long, widow	Exxon Corporation	Not less than 1/8	209/132
			Exxon Corporation	Exxon Mobil Corporation	Name Change	WVSOS
			Exxon Mobil Corporation	XTO Energy Inc.	Assignment	496/126
			XTO Energy Inc.	Antero Resources Corporation	Assignment	532/239
			Antero Resources Corporation	CNX Gas Company LLC	Assignment	629/658
			Shirley A. Lohr Noble Energy, Inc.	Noble Energy, Inc. CNX Gas Company LLC	Not less than 1/8 Assignment	534/268 550/273
97	1-17-15 1-18-7	292200000 292198000	Pearl I. Slack	Exxon Corporation	Not less than 1/8	209/260
			Norma Long	Exxon Corporation	Not less than 1/8	209/132
			Exxon Corporation	Exxon Mobil Corporation	Name Change	WVSOS
			Exxon Mobil Corporation	XTO Energy Inc.	Assignment	496/126
			XTO Energy Inc.	Antero Resources Corporation	Assignment	532/239
			Antero Resources Corporation	CNX Gas Company LLC	Assignment	629/658
98	1-17-11	271982000	Beverly Ann Underwood	Noble Energy, Inc.	Not less than 1/8	488/390
			Barbara McCain	Noble Energy, Inc.	Not less than 1/8	488/388
			Yale University	Noble Energy, Inc.	Not less than 1/8	531/136
			Noble Energy, Inc.	CNX Gas Company LLC	Assignment	521/80
			Noble Energy, Inc.	CNX Gas Company LLC	Assignment	550/273
			Tina Marie Vickery f/k/a Tina Marie Greenwood	CNX Gas Company LLC	Not less than 1/8	65/353
			Cheryl Denise Ismert f/k/a Cheryl Denise Cole	CNX Gas Company LLC	Not less than 1/8	73/179
			Sharl Greenwood	CNX Gas Company LLC	Not less than 1/8	68/309
			Gary Lee Greenwood	CNX Gas Company LLC	Not less than 1/8	68/314
			Randall Allen Pratt	CNX Gas Company LLC	Not less than 1/8	85/584
			Chad Greenwood	CNX Gas Company LLC	Not less than 1/8	60/95
			AMP Fund III, LP	CNX Gas Company LLC	Not less than 1/8	121/237
			Mary Ann Webster, Trustee of the Webster Living Trust, dated December	CNX Gas Company LLC	Not less than 1/8	121/463
			101A	1-18-11	271990000	Margaret C. Nied
Helen C. Dahle	Antero Resources Corporation	Not less than 1/8				601/585
James P. Cullinan	Antero Resources Corporation	Not less than 1/8				604/606
Mary C. Schilling Trust – 2010, by Keith Schilling, Trustee	Antero Resources Corporation	Not less than 1/8				607/488
Antero Resources Corporation	CNX Gas Company LLC	Assignment				629/658
William Paul McCutchan and Virginia B. McCutchan	Exxon Corporation	Not less than 1/8				209/336
Kathleen Bradford Upton	Exxon Corporation	Not less than 1/8				209/79
William Warren Upton and Frances J. Upton, h/w	Exxon Corporation	Not less than 1/8				209/356
Marie L. Bradford, widow and heir under the Last Will and Testament of James Perry Bradford	Exxon Corporation	Not less than 1/8				211/80
Exxon Corporation	Exxon Mobil Corporation	Name Change				WVSOS
Exxon Mobil Corporation	XTO Energy, Inc.	Assignment				496/126
XTO Energy, Inc.	Antero Resources Corporation	Assignment				532/239
Antero Resources Corporation	CNX Gas Company LLC	Assignment				629/658
102C	1-18-9 1-18-10	293583000	Planters Bank, Trustee for Franklin L. Butler IRA under agreement dated 9/10/1991	Key Oil Company	Not less than 1/8	301/60
			Edward Mullooly	Key Oil Company	Not less than 1/8	301/58

			Key Oil Company	Antero Resources Appalachian Corporation	Assignment	383/342
			Key Oil Company	Antero Resources Appalachian Corporation	Assignment	400/515
			Antero Resources Appalachian Corporation	Antero Resources Corporation	Name Change	WVS05
			Antero Resources Corporation	CNX Gas Company LLC	Assignment	629/658
			Robert E. Burgess, Sr. and Barbara Burgess, h/w	B&M Associates	Not less than 1/8	301/62
			B&M Associates	Key Oil Company	Assignment	301/64
			Key Oil Company	Antero Resources Appalachian Corporation	Assignment	383/342
			Key Oil Company	Antero Resources Appalachian Corporation	Assignment	400/515
			Antero Resources Appalachian Corporation	Antero Resources Corporation	Name Change	WVS05
			Antero Resources Corporation	CNX Gas Company LLC	Assignment	629/658
			Trustee of the Arnold's Creek Christian Church	CNX Gas Company LLC	Not less than 1/8	114/263
Tract ID	Tax Map & Parcel	Title Opinion QLS #	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
104A	1-18-8	293623000	James Marr Southern and Penny G. Southern, h/w	CNX Gas Company LLC	Not less than 1/8	66/275
			Ronald J. McBee	CNX Gas Company LLC	Not less than 1/8	63/229
			Connie Sue Conrad	CNX Gas Company LLC	Not less than 1/8	63/225
			James Lee Phillips a/k/a James L. Phillips	CNX Gas Company LLC	Not less than 1/8	76/202
			Clyde Williams Phillips a/k/a Clyde W. Phillips	CNX Gas Company LLC	Not less than 1/8	87/434
			Joyce E. Matthews	CNX Gas Company LLC	Not less than 1/8	102/35
			Chad W. Johnson	CNX Gas Company LLC	Not less than 1/8	126/537
			Janice Coffindaffer	CNX Gas Company LLC	Not less than 1/8	44/756
			Sandra Jean Fox	CNX Gas Company LLC	Not less than 1/8	68/304
			Harry R. Fox	CNX Gas Company LLC	Not less than 1/8	128/789
			Stephen Fox	CNX Gas Company LLC	Not less than 1/8	135/73
			Troy Fox	CNX Gas Company LLC	Not less than 1/8	131/265
			Melanie L. Yoak	CNX Gas Company LLC	Not less than 1/8	119/129
			Kenneth J. Butler, Jr.	CNX Gas Company LLC	Not less than 1/8	82/39
			Bruce D. Knowlton	CNX Gas Company LLC	Not less than 1/8	129/328
			William Hubbard and Anita Joy Hubbard, h/w	CNX Gas Company LLC	Not less than 1/8	108/554
			Robert Hubbard and Barbara Hubbard, h/w	CNX Gas Company LLC	Not less than 1/8	85/579
			Bonnie Zelic	CNX Gas Company LLC	Not less than 1/8	108/559
			Bradley Hubbard	CNX Gas Company LLC	Not less than 1/8	108/564
			John Paul Smith, Jr.	CNX Gas Company LLC	Not less than 1/8	113/174
			Diane Mikes a/k/a Dianna M. Mikes	CNX Gas Company LLC	Not less than 1/8	131/260
			Barbara McCain	CNX Gas Company LLC	Not less than 1/8	57/143
			James R. Underwood	CNX Gas Company LLC	Not less than 1/8	73/174
			Sherry Quay	CNX Gas Company LLC	Not less than 1/8	82/24
			Robert A. Wagner and Mabel L. Wagner, as Trustees of the Robert and Mabel Wagner Living Trust	CNX Gas Company LLC	Not less than 1/8	114/256
			Kathleen Cody	CNX Gas Company LLC	Cotenancy	134/121
			Charles H. Bower, Jr.	CNX Gas Company LLC	Cotenancy	134/121
			Desolyn Florence Doak	CNX Gas Company LLC	Cotenancy	134/121
			Brenda S. Ryan	CNX Gas Company LLC	Cotenancy	134/121
			John Paladino	CNX Gas Company LLC	Cotenancy	134/121
Tract ID	Tax Map & Parcel	Title Opinion QLS #	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
105	1-17-30	293237000	Bryan Edward Foster	Noble Energy, Inc.	Not less than 1/8	527/491
			Eric Carl Foster and Angela Foster, h/w	Noble Energy, Inc.	Not less than 1/8	527/495
			Ralph M. Hiley and Rita E. Hiley, h/w	Noble Energy, Inc.	Not less than 1/8	527/503
			Roger Hiley and Danita Hiley, h/w	Noble Energy, Inc.	Not less than 1/8	527/511
			Virginia M. Ash and Jack Ash, w/h	Noble Energy, Inc.	Not less than 1/8	538/562
			Linda Cogar	Noble Energy, Inc.	Not less than 1/8	538/471
			Carol Gene Cogar and Carol Jeanne Cogar, h/w	Noble Energy, Inc.	Not less than 1/8	538/440
			Gail Brady Cogar and Patricia L. Cogar, h/w	Noble Energy, Inc.	Not less than 1/8	538/574
			Larry Cogar and Aris Cogar, h/w	Noble Energy, Inc.	Not less than 1/8	538/545
			Linda L. Khummark	Noble Energy, Inc.	Not less than 1/8	538/463
			Patricia Mulvay and Edwin D. Mulvay, w/h	Noble Energy, Inc.	Not less than 1/8	538/479
			Raymond Cogar and Norma A. Cogar, h/w	Noble Energy, Inc.	Not less than 1/8	538/428
			Wilford Leymoyn Cogar and Helen I. Cogar, h/w	Noble Energy, Inc.	Not less than 1/8	538/566
			David Leroy Cogar	Noble Energy, Inc.	Not less than 1/8	541/518
			Estate of Brenda Dillon, by Linda Khummark, Executor	Noble Energy, Inc.	Not less than 1/8	541/530
			Rebecca S. Cogar	Noble Energy, Inc.	Not less than 1/8	541/522
			Eleanor R. Williamson	Noble Energy, Inc.	Not less than 1/8	538/507
			Goldie M. Cogar	Noble Energy, Inc.	Not less than 1/8	538/487
			Kenneth S. Cogar and Bernice Cogar, h/w	Noble Energy, Inc.	Not less than 1/8	538/459
			Brian W. Shepherd	Noble Energy, Inc.	Not less than 1/8	543/550
			Laura Boyer	Noble Energy, Inc.	Not less than 1/8	546/17
			Robert A. Fletcher and Ellen Suzanne Fletcher, h/w	Noble Energy, Inc.	Not less than 1/8	546/5
			Tammy Prieto	Noble Energy, Inc.	Not less than 1/8	543/386
			Deborah Garner Dew, a/k/a Debbie Dew	Noble Energy, Inc.	Not less than 1/8	543/411
			Edith I. Wise	Noble Energy, Inc.	Not less than 1/8	547/565
			Joseph A. Garner	Noble Energy, Inc.	Not less than 1/8	547/569
			Noble Energy, Inc.	CNX Gas Company LLC	Assignment	550/273
			Russell Ray Fletcher	Antero Resources Corporation	Not less than 1/8	555/720
			Delores Fletcher	Antero Resources Corporation	Not less than 1/8	556/636
			Jon Scott Fletcher	Antero Resources Corporation	Not less than 1/8	555/715
			Antero Resources Corporation	CNX Gas Company, LLC	Assignment	629/658
Tract ID	Tax Map & Parcel	Title Opinion QLS #	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
109A	1-17-30	293597000 295168000	Ronal Rush and Teresa Rush, h/w	Noble Energy, Inc.	Not less than 1/8	534/291
			Noble Energy, Inc.	CNX Gas Company LLC	Assignment	542/147
			Noble Energy, Inc.	CNX Gas Company LLC	Assignment	550/273
Tract ID	Tax Map & Parcel	Title Opinion QLS #	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
112	1-2-5	293580000	Lillie M. Shepherd	Petroleum Services, Inc.	Not less than 1/8	107/499
			Allegheny Land and Mineral Company	Petroleum Services, Inc.	Not less than 1/8	107/679
			The Union National Bank as Trustee for Truman E. Gore and C. Burke Morris, w/a dtd. 9/25/1966	Petroleum Services, Inc.	Not less than 1/8	107/677
			Petroleum Services, Inc.	Summer Gas Associates 78-2	Assignment	108/446 175/533

12/17/2021

Tract ID	Tax Map & Parcel	Title Opinion QLS #	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
			Summer Gas Associates 78-2	Frontier Energy Corporation	Affidavit	175/490
			Frontier Energy Corporation	Key Oil Company	Assignment	172/655
			Key Oil Company	Antero Resources Appalachian Corporation	Assignment	256/285
			Key Oil Company	Antero Resources Appalachian Corporation	Assignment	276/526
			Antero Resources Appalachian Corporation	Antero Resources Corporation	Name Change	WVSOS
			Antero Resources Corporation	CNX Gas Company, LLC	Assignment	481/395
Tract ID	Tax Map & Parcel	Title Opinion QLS #	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
113	1-2-1.1	293589000	David Allen Bess, a/k/a David A. Bess	Antero Resources Corporation	Not less than 1/8	443/269
			Antero Resources Corporation	CNX Gas Company, LLC	Assignment	481/395
			Shirley Lohr	EQT Production Company	Not less than 1/8	440/497
			Charter D. Stinespring II and Stephanie Stinespring, h/w	EQT Production Company	Not less than 1/8	441/618
			Victor Goff Stinespring and Pamela R. Stinespring, h/w	EQT Production Company	Not less than 1/8	443/504
			EQT Production Company	CNX Gas Company, LLC	Assignment	498/358
			IN SEARCH OF THE LORD'S WAY, INC. a/k/a, IN SEARCH OF THE LORD'S WAY	CNX Gas Company, LLC	Not less than 1/8	497/450
			Norma T. Long Trust, dated November 8, 2013	CNX Gas Company, LLC	Not less than 1/8	498/362
Tract ID	Tax Map & Parcel	Title Opinion QLS #	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
114	1-2-1 1-2.1.2	293579000	Sonya Rickel and Joe Rickel Jr., w/h	Clarence W. Mutschelknaus	Not less than 1/8	141/176
			Charlotte Bryant and Ervin Bryant, w/h	Clarence W. Mutschelknaus	Not less than 1/8	140/492
			Garrett G. Pyles	Clarence W. Mutschelknaus	Not less than 1/8	140/496
			Janice Phelps and Harry Phelps, w/h	Clarence W. Mutschelknaus	Not less than 1/8	141/31
			Robert F. Pratt and Glenna Z. Pratt, h/w	Clarence W. Mutschelknaus	Not less than 1/8	141/35
			Kenneth E. Pratt and Laura L. Pratt, h/w	Clarence W. Mutschelknaus	Not less than 1/8	141/11
			Janet P. Tinkham and Elwin I. Tinkham, w/h	Clarence W. Mutschelknaus	Not less than 1/8	140/360
			Allen Pratt and Patricia Pratt, h/w	Clarence W. Mutschelknaus	Not less than 1/8	140/500
			Dean Cole and Robert L. Cole, w/h	Clarence W. Mutschelknaus	Not less than 1/8	140/488
			Jonathan A. Greenwood and Malcolm Greenwood, w/h	Clarence W. Mutschelknaus	Not less than 1/8	141/37
			Margaret R. Mead and Richard F. Mead, w/h	Clarence W. Mutschelknaus	Not less than 1/8	140/370
			Mary J. Borer and Donald E. Borer, w/h	Clarence W. Mutschelknaus	Not less than 1/8	140/364
			Kenneth M. Wagner and Mary A. Wagner, h/w	Clarence W. Mutschelknaus	Not less than 1/8	141/190
			John Paladino	Clarence W. Mutschelknaus	Not less than 1/8	141/9
			Patty Lou Fox and Harry R. Fox, w/h	Clarence W. Mutschelknaus	Not less than 1/8	140/362
			Robert D. L. Doak	Clarence W. Mutschelknaus	Not less than 1/8	141/25
			Ida Bower	Clarence W. Mutschelknaus	Not less than 1/8	141/17
			Jack Coffindaffer and Janice Lee Coffindaffer, h/w	Clarence W. Mutschelknaus	Not less than 1/8	141/13
			Esther Doak	Clarence W. Mutschelknaus	Not less than 1/8	141/7
			Virginia McBee and Robert McBee, w/h	Clarence W. Mutschelknaus	Not less than 1/8	141/19
			Karen Y. Melter and Robert Lynn Melter, w/h	Clarence W. Mutschelknaus	Not less than 1/8	143/301
			Paul Wagner and Joan Wagner, h/w	Clarence W. Mutschelknaus	Not less than 1/8	140/766
			Leona Smith and John Smith, w/h	Clarence W. Mutschelknaus	Not less than 1/8	140/768
			Sylvia Knowlton and Cleo Knowlton, w/h	Clarence W. Mutschelknaus	Not less than 1/8	140/490
			Ruth M. Hubbard	Clarence W. Mutschelknaus	Not less than 1/8	141/29
			Ira M. Wagner	Clarence W. Mutschelknaus	Not less than 1/8	140/770
			Juliana M. Moore	Clarence W. Mutschelknaus	Not less than 1/8	140/366
			Gussie Devoll	Clarence W. Mutschelknaus	Not less than 1/8	140/760
			Martha Moore Hanson and Peter S. Hanson, w/h	Clarence W. Mutschelknaus	Not less than 1/8	141/186
			Vonda Wagner	Clarence W. Mutschelknaus	Not less than 1/8	140/764
			Wayne Kellar and Peggy Kellar, h/w, a/k/a Wayne Kellar and Margaret H. Kellar, h/w	Clarence W. Mutschelknaus	Not less than 1/8	141/33
			Catherine Moore	Clarence W. Mutschelknaus	Not less than 1/8	140/494
			C. H. Wagner and Olive Irene Wagner, h/w	Clarence W. Mutschelknaus	Not less than 1/8	141/21
			Darryl Pratt	Clarence W. Mutschelknaus	Not less than 1/8	140/356
			Mary D. Southern	Clarence W. Mutschelknaus	Not less than 1/8	140/762
			Wilda Doak	Clarence W. Mutschelknaus	Not less than 1/8	141/15
			Beverly Delaney and Eleanor Knight and Stanford Knight, w/h and James W. Ash and Hazel Ash, h/w, Lelia Washburn, Charlene Smith and George Smith, w/h, and Barbara Thalrose and Harold Thalrose, w/h	Clarence W. Mutschelknaus	Not less than 1/8	140/757
			Theresa Pratt	Clarence W. Mutschelknaus	Not less than 1/8	140/368
			Sherry Lynn Quay	Clarence W. Mutschelknaus	Not less than 1/8	149/667
			Clarence W. Mutschelknaus	Antero Resources Corporation	Assignment	322/275
			Antero Resources Corporation	CNX Gas Company, LLC	Assignment	629/658
Tract ID	Tax Map & Parcel	Title Opinion QLS #	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
117	1-4-6	293582000	Mrs. Sylvia Wulfert, Ruby Hunt, Mr. Lynn Wulfert	Petroleum Services, Inc.	Not less than 1/8	111/497
			U. G. Summers Estate: William G. Summers and Kathryn Summers, h/w, Hector Keith Summers, Pauline Summers, Kathleen Clara Summers	Petroleum Services, Inc.	Not less than 1/8	111/443
			U. G. Summers Estate: William G. Summers and Kathryn Summers, h/w, Hector Keith Summers, Pauline Summers, Kathleen Clara Summers	Petroleum Services, Inc.	Not less than 1/8	111/445
			Lorena G. Hammer	Petroleum Services, Inc.	Not less than 1/8	108/672
			Petroleum Services, Inc.	J & J Enterprises, Inc.	Assignment	117/226
			J & J Enterprises, Inc.	Eastern American Energy Corporation	Assignment	159/139
			Eastern American Energy Corporation	Energy Corporation of America	Assignment	240/498
			Energy Corporation of America	Antero Resources Appalachian Corporation	Assignment	272/307
			Energy Corporation of America	Antero Resources Appalachian Corporation	Assignment	328/648
			Energy Corporation of America	Antero Resources Appalachian Corporation	Assignment	424/486
			Antero Resources Appalachian Corporation	Antero Resources Corporation	Name Change	WVSOS
			Antero Resources Corporation	CNX Gas Company LLC	Assignment	481/395
			Ardenna Kay Rienstra	Antero Resources Corporation	Not less than 1/8	417/6
			EIGG Land Limited	Antero Resources Corporation	Not less than 1/8	423/255
			Robert Swearingen	Antero Resources Corporation	Not less than 1/8	420/516
			Sandra Swearingen	Antero Resources Corporation	Not less than 1/8	420/521
			Charles W. Hendrickson and Elizabeth Hendrickson	Antero Resources Corporation	Not less than 1/8	417/624
			Terry L. Snider	Antero Resources Corporation	Not less than 1/8	417/622
			Martha Ann Hanes	Antero Resources Corporation	Not less than 1/8	427/281
			Mary Garland Hanes	Antero Resources Corporation	Not less than 1/8	443/264
			Nicholas Osborne Hanes	Antero Resources Corporation	Not less than 1/8	443/259
			Barbara G. Clark	Antero Resources Corporation	Not less than 1/8	474/66

12/17/2021

5

Tract ID	Tax Map & Parcel	Title Opinion QLS #	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
			Trustees of the First United Methodist Church, Williamstown, West Virginia, a/k/a First Williamstown United Methodist Church	CNX Gas Company, LLC	Not less than 1/8	498/397
135A	1-17-31 1-17-31.1	297069000	Mary Claire Bohrer	Antero Resources Corporation	Not less than 1/8	555/690
			Stephen Howard	Antero Resources Corporation	Not less than 1/8	555/700
			Clarence N. Leggett	Antero Resources Corporation	Not less than 1/8	555/705
			Wilma Belle Duty	Antero Resources Corporation	Not less than 1/8	555/710
			Martha Lou Burley	Antero Resources Corporation	Not less than 1/8	556/641
			Barbara Davila	Antero Resources Corporation	Not less than 1/8	557/571
			Donna Wright	Antero Resources Corporation	Not less than 1/8	558/453
			Paul Thomas Gregg	Antero Resources Corporation	Not less than 1/8	559/834
			Donna Sue Luh	Antero Resources Corporation	Not less than 1/8	568/65
			Roberta Sue Boone	Antero Resources Corporation	Not less than 1/8	569/546
			Edward Ray Edgell	Antero Resources Corporation	Not less than 1/8	569/551
			Teresa Kay LaBarbera	Antero Resources Corporation	Not less than 1/8	569/556
			Davetta Rae Pineda	Antero Resources Corporation	Not less than 1/8	569/561
			Alice Hazel Ward	Antero Resources Corporation	Not less than 1/8	569/566
			Wilma S. Ward	Antero Resources Corporation	Not less than 1/8	569/571
			Brenda Deese Edgell	Antero Resources Corporation	Not less than 1/8	570/302
			Jean Pearl Bearss	Antero Resources Corporation	Not less than 1/8	571/524
			Marla Cecilia Muller	Antero Resources Corporation	Not less than 1/8	579/351
			Norma B. Campbell	Antero Resources Corporation	Not less than 1/8	579/356
			Thomas Wade Bush	Antero Resources Corporation	Not less than 1/8	579/362
			Ronald G. Bush	Antero Resources Corporation	Not less than 1/8	579/368
			Richard J. Bush	Antero Resources Corporation	Not less than 1/8	579/374
			Daniel John Bush	Antero Resources Corporation	Not less than 1/8	579/379
			Constance Bowles	Antero Resources Corporation	Not less than 1/8	579/385
			Hermenegilda T. Bautista	Antero Resources Corporation	Not less than 1/8	579/390
			Corason J. Bautista	Antero Resources Corporation	Not less than 1/8	581/360
			Francis D. Bautista	Antero Resources Corporation	Not less than 1/8	581/364
			Albert E. Duty	Antero Resources Corporation	Not less than 1/8	585/159
			Robert R. Washburn	Antero Resources Corporation	Not less than 1/8	120/221
			Dane W. Zinn	Antero Resources Corporation	Not less than 1/8	558/448
			DeLoris Hughes	Antero Resources Corporation	Not less than 1/8	555/695
			Teresa Rush and Ronal W. Rush, w/h	Antero Resources Corporation	Not less than 1/8	562/103
			Antero Resources Corporation	CNX Gas Company, LLC	Assignment	629/658
			William Nicholson, a/k/a William W. Nicholson and Judith B. Nicholson, h/w	CNX Gas Company, LLC	Not less than 1/8	43/198
			Ruth G. Halverson a/k/a Naoma R Halverson	CNX Gas Company, LLC	Not less than 1/8	43/193
			Catherine Ann Duginski	CNX Gas Company, LLC	Not less than 1/8	31/265
			Sandy Swearingen	CNX Gas Company, LLC	Not less than 1/8	50/644
			Kevin Laisy and Marlon Laisy, h/w	CNX Gas Company, LLC	Not less than 1/8	50/654
			Karen J. Catzada and Candelario A. Catzada, w/h	CNX Gas Company, LLC	Not less than 1/8	48/444
			Kimberley Ann Garrison	CNX Gas Company, LLC	Not less than 1/8	48/434
			Kenlyn West	CNX Gas Company, LLC	Not less than 1/8	48/429
			David A. Elko	CNX Gas Company, LLC	Not less than 1/8	50/639
			Ryan Michael Hallman	CNX Gas Company, LLC	Not less than 1/8	55/142
			Charles E. Garrison and Patricia A. Garrison	CNX Gas Company, LLC	Not less than 1/8	55/147
			Richard A. Elko	CNX Gas Company, LLC	Not less than 1/8	50/634
			Theresa A. Vachon and Richard R. Vachon, w/h	CNX Gas Company, LLC	Not less than 1/8	50/649
			Marjorie L. Miller	CNX Gas Company, LLC	Not less than 1/8	55/137
			Kristina Marie Hallman	CNX Gas Company, LLC	Not less than 1/8	46/57
			Matthew Laisy	CNX Gas Company, LLC	Not less than 1/8	76/197
			Albert E. Garrison, Jr.	CNX Gas Company, LLC	Not less than 1/8	82/44
			Nicholas Jeremy Hallman	CNX Gas Company, LLC	Not less than 1/8	73/169
			William Royce Nickey	CNX Gas Company, LLC	Not less than 1/8	85/569
			Barbara Anne Burgner and David Glynn Bradley, Co-Trustees of the Stephen Bradley Family Trust	CNX Gas Company, LLC	Not less than 1/8	98/580
			Kevin William Nickey	CNX Gas Company, LLC	Not less than 1/8	92/575
			Christine Washburn, AIF for Helen Washburn	CNX Gas Company, LLC	Not less than 1/8	99/400
			Linda L. Crystal	CNX Gas Company, LLC	Not less than 1/8	68/271
			Sandra Strissel, as Guardian of the Property for David Garrison, a/k/a	CNX Gas Company, LLC	Not less than 1/8	73/184
			David Lee Garrison			
			Sheila K. Tallon a/k/a Sheila K. Tallon	CNX Gas Company, LLC	Not less than 1/8	68/276
			Ardenna Kay Rlenstra	CNX Gas Company, LLC	Not less than 1/8	68/294
			Paul Xavier Sanchez, a/k/a Paul Hallman	CNX Gas Company, LLC	Not less than 1/8	55/132
			David W. Wood and Jody A. Wood, h/w	CNX Gas Company, LLC	Not less than 1/8	82/29
			Rachael Escobedo	CNX Gas Company, LLC	Not less than 1/8	131/318
			William R. Dotson, Trustee of the William R. Dotson Family Irrevocable Trust	CNX Gas Company, LLC	Not less than 1/8	131/255
			Penelope Margaret Bowers	CNX Gas Company, LLC	Not less than 1/8	131/314
			John Stephen Swiger	CNX Gas Company, LLC	Not less than 1/8	131/222
			Robert Swearingen and Anne Swearingen, h/w	CNX Gas Company, LLC	Not less than 1/8	48/439
			Martha Joan McCulloch	CNX Gas Company, LLC	Not less than 1/8	68/281
			Julia Ann Owens	CNX Gas Company, LLC	Fee	76/218
			Thomas S. Pace, POA for Bobbie Pace, a/k/a Bobby S. Pace	CNX Gas Company, LLC	Fee	51/352
			Cynthia Sue Bair	CNX Gas Company, LLC	Fee	74/175
			Paula Kubbaga and Paul Kubbaga, w/h	CNX Gas Company, LLC	Fee	134/583
			Barbara Nickey Kester	CNX Gas Company, LLC	Cotenancy	134/118
			Sherry Ann Nicholson	CNX Gas Company, LLC	Cotenancy	134/118
			Timothy J. Tefs	CNX Gas Company, LLC	Cotenancy	134/118
			James A. Tefs	CNX Gas Company, LLC	Cotenancy	134/118
			Daniel Edward Kester	CNX Gas Company, LLC	Cotenancy	134/118
			Karen Anne Kester	CNX Gas Company, LLC	Cotenancy	134/118
			Steven Ryan Kester	CNX Gas Company, LLC	Cotenancy	134/118
			Bobby Lynn Tefs	CNX Gas Company, LLC	Cotenancy	134/118
			Marle Christine Castro Brinks	CNX Gas Company, LLC	Cotenancy	134/118
			Helen Kathleen Scollan	CNX Gas Company, LLC	Cotenancy	134/118
			Pamela Carson Leggett	CNX Gas Company, LLC	Cotenancy	134/118
			Barbara Lucossee	CNX Gas Company, LLC	Cotenancy	134/118
			James McCulloch	CNX Gas Company, LLC	Cotenancy	134/118
			Elizabeth Duty Samsom	CNX Gas Company, LLC	Cotenancy	134/118
			Alfredo E. Gallardo, Jr.	CNX Gas Company, LLC	Cotenancy	134/118

Tract ID	Tax Map & Parcel	Title Opinion QLS #	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
			Jose N. Bautista	CNX Gas Company, LLC	Cotenancy	134/118
			Paula N. Bautista, aka, Sister Maria Teresa Bautista	CNX Gas Company, LLC	Cotenancy	134/118
1358	1-17-31.2 1-17-31.3	297069000	Mary Claire Bohrer	Antero Resources Corporation	Not less than 1/8	555/690
			Stephen Howard	Antero Resources Corporation	Not less than 1/8	555/700
			Clarence N. Leggett	Antero Resources Corporation	Not less than 1/8	555/705
			Wilma Belle Duty	Antero Resources Corporation	Not less than 1/8	555/710
			Martha Lou Burley	Antero Resources Corporation	Not less than 1/8	556/641
			Barbara Davila	Antero Resources Corporation	Not less than 1/8	557/571
			Donna Wright	Antero Resources Corporation	Not less than 1/8	558/453
			Paul Thomas Gregg	Antero Resources Corporation	Not less than 1/8	559/834
			Donna Sue Luh	Antero Resources Corporation	Not less than 1/8	568/65
			Roberta Sue Boone	Antero Resources Corporation	Not less than 1/8	569/546
			Edward Ray Edgell	Antero Resources Corporation	Not less than 1/8	569/551
			Teresa Kay LaBarbera	Antero Resources Corporation	Not less than 1/8	569/556
			Davetta Rae Pineda	Antero Resources Corporation	Not less than 1/8	569/561
			Alice Hazel Ward	Antero Resources Corporation	Not less than 1/8	569/566
			Wilma S. Ward	Antero Resources Corporation	Not less than 1/8	569/571
			Brenda Deese Edgell	Antero Resources Corporation	Not less than 1/8	570/302
			Jean Pearl Bears	Antero Resources Corporation	Not less than 1/8	571/524
			Marla Cecilia Muller	Antero Resources Corporation	Not less than 1/8	579/351
			Norma B. Campbell	Antero Resources Corporation	Not less than 1/8	579/356
			Thomas Wade Bush	Antero Resources Corporation	Not less than 1/8	579/362
			Ronald G. Bush	Antero Resources Corporation	Not less than 1/8	579/368
			Richard J. Bush	Antero Resources Corporation	Not less than 1/8	579/374
			Daniel John Bush	Antero Resources Corporation	Not less than 1/8	579/379
			Constance Bowles	Antero Resources Corporation	Not less than 1/8	579/385
			Hermenegilda T. Bautista	Antero Resources Corporation	Not less than 1/8	579/390
			Corazon J. Bautista	Antero Resources Corporation	Not less than 1/8	581/360
			Francis D. Bautista	Antero Resources Corporation	Not less than 1/8	581/364
			Albert E. Duty	Antero Resources Corporation	Not less than 1/8	585/159
			Robert R. Washburn	Antero Resources Corporation	Not less than 1/8	120/221
			Dane W. Zinn	Antero Resources Corporation	Not less than 1/8	558/448
			Deloris Hughes	Antero Resources Corporation	Not less than 1/8	555/695
			Teresa Rush and Ronal W. Rush, w/h	Antero Resources Corporation	Not less than 1/8	562/103
			Antero Resources Corporation	CNX Gas Company, LLC	Assignment	629/658
			William Nicholson, a/k/a William W. Nicholson and Judith B. Nicholson, h/w	CNX Gas Company, LLC	Not less than 1/8	43/198
			Ruth G. Halverson a/k/a Neome R Halverson	CNX Gas Company, LLC	Not less than 1/8	43/193
			Catherine Ann Duginski	CNX Gas Company, LLC	Not less than 1/8	31/265
			Sandy Swearingen	CNX Gas Company, LLC	Not less than 1/8	50/644
			Kevin Leisy and Marion Leisy, h/w	CNX Gas Company, LLC	Not less than 1/8	50/654
			Karen J. Calzada and Candelario A. Calzada, w/h	CNX Gas Company, LLC	Not less than 1/8	48/444
			Kimberley Ann Garrison	CNX Gas Company, LLC	Not less than 1/8	48/434
			Kenlyn West	CNX Gas Company, LLC	Not less than 1/8	48/429
			David A. Elko	CNX Gas Company, LLC	Not less than 1/8	50/639
			Ryan Michael Hallman	CNX Gas Company, LLC	Not less than 1/8	55/142
			Charles E. Garrison and Patricia A. Garrison	CNX Gas Company, LLC	Not less than 1/8	55/147
			Richard A. Elko	CNX Gas Company, LLC	Not less than 1/8	50/634
			Theresa A. Vachon and Richard R. Vachon, w/h	CNX Gas Company, LLC	Not less than 1/8	50/649
			Marjorie L. Miller	CNX Gas Company, LLC	Not less than 1/8	55/137
			Kristina Marie Hallman	CNX Gas Company, LLC	Not less than 1/8	46/57
			Matthew Leisy	CNX Gas Company, LLC	Not less than 1/8	76/197
			Albert E. Garrison, Jr.	CNX Gas Company, LLC	Not less than 1/8	82/44
			Nicholas Jeremy Hallman	CNX Gas Company, LLC	Not less than 1/8	73/169
			William Royce Nickey	CNX Gas Company, LLC	Not less than 1/8	85/569
			Barbara Anne Burgner and David Glynn Bradley, Co-Trustees of the Stephen Bradley Family Trust	CNX Gas Company, LLC	Not less than 1/8	98/580
			Kevin William Nickey	CNX Gas Company, LLC	Not less than 1/8	92/575
			Christine Washburn, AIF for Helen Washburn	CNX Gas Company, LLC	Not less than 1/8	99/400
			Linda L. Crystal	CNX Gas Company, LLC	Not less than 1/8	68/271
			Sandra Strissel, as Guardian of the Property for David Garrison, a/k/a David Lee Garrison	CNX Gas Company, LLC	Not less than 1/8	73/184
			Sheila K. Tallon a/k/a Sheila K. Tallon	CNX Gas Company, LLC	Not less than 1/8	68/276
			Ardenna Kay Rienstra	CNX Gas Company, LLC	Not less than 1/8	68/294
			Paul Xavier Sanchez, a/k/a Paul Hallman	CNX Gas Company, LLC	Not less than 1/8	55/132
			David W. Wood and Jody A. Wood, h/w	CNX Gas Company, LLC	Not less than 1/8	82/29
			Rachael Escobedo	CNX Gas Company, LLC	Not less than 1/8	131/318
			William R. Dotson, Trustee of the William R. Dotson Family Irrevocable Trust	CNX Gas Company, LLC	Not less than 1/8	131/255
			Penelope Margaret Bowers	CNX Gas Company, LLC	Not less than 1/8	131/314
			John Stephen Swiger	CNX Gas Company, LLC	Not less than 1/8	131/222
			Robert Swearingen and Anne Swearingen, h/w	CNX Gas Company, LLC	Not less than 1/8	48/439
			Martha Joan McCulloch	CNX Gas Company, LLC	Not less than 1/8	68/281
			Julia Ann Owens	CNX Gas Company, LLC	Fee	76/218
			Thomas S. Pace, POA for Bobbie Pace, a/k/a Bobby S. Pace	CNX Gas Company, LLC	Fee	51/352
			Cynthia Sue Blair	CNX Gas Company, LLC	Fee	74/175
			Paula Kulbaga and Paul Kulbaga, w/h	CNX Gas Company, LLC	Fee	134/583
			Barbara Nickey Kester	CNX Gas Company, LLC	Cotenancy	134/118
			Sherry Ann Nicholson	CNX Gas Company, LLC	Cotenancy	134/118
			Timothy J. Tefs	CNX Gas Company, LLC	Cotenancy	134/118
			James A. Tefs	CNX Gas Company, LLC	Cotenancy	134/118
			Daniel Edward Kester	CNX Gas Company, LLC	Cotenancy	134/118
			Karen Anne Kester	CNX Gas Company, LLC	Cotenancy	134/118
			Steven Ryan Kester	CNX Gas Company, LLC	Cotenancy	134/118
			Bobby Lynn Tefs	CNX Gas Company, LLC	Cotenancy	134/118
			Marle Christine Castro Brinks	CNX Gas Company, LLC	Cotenancy	134/118
			Helen Kathleen Scollan	CNX Gas Company, LLC	Cotenancy	134/118
			Pamela Carson Leggett	CNX Gas Company, LLC	Cotenancy	134/118
			Barbara Lacosse	CNX Gas Company, LLC	Cotenancy	134/118
			James McCulloch	CNX Gas Company, LLC	Cotenancy	134/118
			Elizabeth Duty Semson	CNX Gas Company, LLC	Cotenancy	134/118
			Alfredo E. Gallardo, Jr.	CNX Gas Company, LLC	Cotenancy	134/118

<u>Tract ID</u>	<u>Tax Map & Parcel</u>	<u>Title Opinion QLS #</u>	<u>Grantor, Lessor, etc</u>	<u>Grantee, Lessee, etc</u>	<u>Royalty</u>	<u>Book/Page</u>
			Jose N. Bautista	CNX Gas Company, LLC	Cotenancy	134/118
			Paula N. Bautista, aka, Sister Maria Teresa Bautista	CNX Gas Company, LLC	Cotenancy	134/118
141	1-4-2 1-4-3	297279000	West Virginia Department of Transportation, Division of Highways	CNX Gas Company, LLC	Not less than 1/8	497/316

12/17/2021
10



Sarah Weigand
Manager Upstream Permitting
Work: 724-485-3244
Email: SarahWeigand@cnx.com

CNX Center
1000 CONSOL Energy Drive
Canonsburg, PA 15317-6506
724-485-4000
cnx.com

October 8, 2021

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

RE: Road Letter – SHR37 M2 Well Pad Drilling 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.

If any further information or correspondence is required, please contact me at (724) 485-3244 or SarahWeigand@cnx.com.

Sincerely,

A handwritten signature in blue ink that reads 'Sarah Weigand'.

Sarah Weigand

RECEIVED
Office of Oil and Gas
NOV 15 2021
WV Department of
Environmental Protection

12/17/2021

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

Date of Notice Certification: 11/17/2021

API No. 47- _____ - _____
Operator's Well No. SHR37NHSM
Well Pad Name: SHR37

Notice has been given:

Pursuant to the provisions in West Virginia Code § 22-6A, the Operator has provided the required parties with the Notice Forms listed below for the tract of land as follows:

State: <u>West Virginia</u>	UTM NAD 83	Easting: <u>513280.399</u>
County: <u>Tyler</u>		Northing: <u>4356024.318</u>
District: <u>Centerville</u>	Public Road Access: <u>Duckworth Ridge Road (CR 58/2)</u>	
Quadrangle: <u>West Union</u>	Generally used farm name: <u>CNX</u>	
Watershed: <u>Headwaters Middle Island Creek</u>		

Pursuant to West Virginia Code § 22-6A-7(b), every permit application filed under this section shall be on a form as may be prescribed by the secretary, shall be verified and shall contain the following information: (14) A certification from the operator that (i) it has provided the owners of the surface described in subdivisions (1), (2) and (4), subsection (b), section ten of this article, the information required by subsections (b) and (c), section sixteen of this article; (ii) that the requirement was deemed satisfied as a result of giving the surface owner notice of entry to survey pursuant to subsection (a), section ten of this article six-a; or (iii) the notice requirements of subsection (b), section sixteen of this article were waived in writing by the surface owner; and Pursuant to West Virginia Code § 22-6A-11(b), the applicant shall tender proof of and certify to the secretary that the notice requirements of section ten of this article have been completed by the applicant.

<p>Pursuant to West Virginia Code § 22-6A, the Operator has attached proof to this Notice Certification that the Operator has properly served the required parties with the following:</p> <p>*PLEASE CHECK ALL THAT APPLY</p> <p><input type="checkbox"/> 1. NOTICE OF SEISMIC ACTIVITY or <input checked="" type="checkbox"/> NOTICE NOT REQUIRED BECAUSE NO SEISMIC ACTIVITY WAS CONDUCTED</p> <p><input type="checkbox"/> 2. NOTICE OF ENTRY FOR PLAT SURVEY or <input checked="" type="checkbox"/> NO PLAT SURVEY WAS CONDUCTED</p> <p><input type="checkbox"/> 3. NOTICE OF INTENT TO DRILL or <input type="checkbox"/> NOTICE NOT REQUIRED BECAUSE NOTICE OF ENTRY FOR PLAT SURVEY WAS CONDUCTED or</p> <p align="center"><input checked="" type="checkbox"/> WRITTEN WAIVER BY SURFACE OWNER (PLEASE ATTACH)</p> <p><input checked="" type="checkbox"/> 4. NOTICE OF PLANNED OPERATION</p> <p><input checked="" type="checkbox"/> 5. PUBLIC NOTICE</p> <p><input checked="" type="checkbox"/> 6. NOTICE OF APPLICATION</p>	<p>OOG OFFICE USE ONLY</p> <p><input type="checkbox"/> RECEIVED/ NOT REQUIRED</p> <p><input type="checkbox"/> RECEIVED</p> <p><input type="checkbox"/> RECEIVED/ NOT REQUIRED</p> <p><input type="checkbox"/> RECEIVED</p> <p><input type="checkbox"/> RECEIVED</p> <p><input type="checkbox"/> RECEIVED</p>
--	---

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NOV 15 2021
WV Department of
Environmental Protection

Required Attachments:

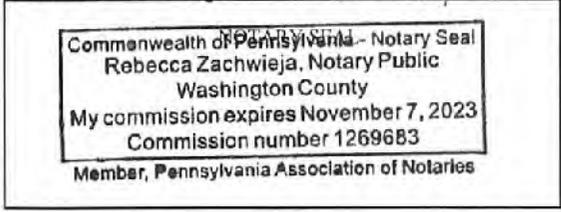
The Operator shall attach to this Notice Certification Form all Notice Forms and Certifications of Notice that have been provided to the required parties and/or any associated written waivers. For the Public Notice, the operator shall attach a copy of the Class II Legal Advertisement with publication 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 Sarah Weigand, 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 Address: 1000 CONSOL Energy Drive
By: Sarah Weigand Sarah Weigand Canonsburg, PA 15317
Its: Manager Upstream Permitting Facsimile: _____
Telephone: 724-485-3244 Email: sarahweigand@cnx.com

Commonwealth of Pennsylvania, County of Washington



Subscribed and sworn before me this 3rd day of November 2021
Rebecca Zachwieja Notary Public
My Commission Expires November 7, 2023

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.

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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: 11/17/21 Date Permit Application Filed: 11/17/21

Notice of:

- [X] PERMIT FOR ANY WELL WORK [] CERTIFICATE OF APPROVAL FOR THE CONSTRUCTION OF AN IMPOUNDMENT OR PIT

Delivery method pursuant to West Virginia Code § 22-6A-10(b)

- [] PERSONAL SERVICE [] REGISTERED MAIL [X] METHOD OF DELIVERY THAT REQUIRES A 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.

[X] Application Notice [X] WSSP Notice [X] E&S Plan Notice [X] Well Plat Notice is hereby provided to:

[X] SURFACE OWNER(s) Name: CNX Gas Company LLC Address: 1000 CONSOL Energy Drive Canonsburg, PA 15317

[X] COAL OWNER OR LESSEE Name: CNX Gas Company LLC Address: 1000 CONSOL Energy Drive Canonsburg, PA 15317

Name: Address:

[] COAL OPERATOR Name: Address:

[] SURFACE OWNER(s) (Road and/or Other Disturbance)

[X] SURFACE OWNER OF WATER WELL AND/OR WATER PURVEYOR(s)

Name: Address:

Name: See attached. Address:

Name: Address:

[] SURFACE OWNER(s) (Impoundments or Pits)

[] OPERATOR OF ANY NATURAL GAS STORAGE FIELD

Name: Address:

Name: Address:

*Please attach additional forms if necessary

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WV Department of
Environmental Protection

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 structures are inadequate or otherwise require alteration to address the items

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.**

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.

WW-6A
(8-13)

API NO. 47- 095 - 02771
OPERATOR WELL NO. SHR37NHSM
Well Pad Name: SHR37

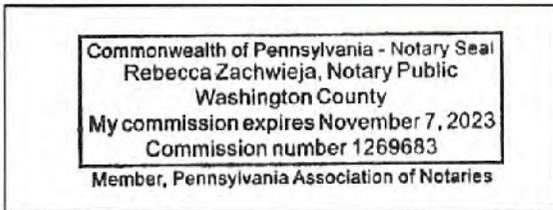
Notice is hereby given by:

Well Operator: CNX Gas Company LLC
Telephone: 724-485-3244
Email: SarahWeigand@cnx.com *Sarah Weigand*

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.



Subscribed and sworn before me this 27th day of October, 2021
Rebecca Zachwieja Notary Public
My Commission Expires November 7, 2023

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12/17/2021

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

CNX RESOURCES CORPORATION
1000 CONSOL ENERGY DRIVE
CANONSBURG, PA 15317

RYAN & CARRIE L DAVIS
730 THRUST DRIVE
VASS, NC 28394

RIKI NICOLE DUNCAN (RILEY)
8100 SHAW AVENUE
HAMLIN, WV 25523

DANNY CARL & PATRICIA J HARRIS
16269 MIDDLE ISLAND ROAD
WEST UNION, WV 26456

EDWIN D & PATRICIA L MULVAY
3665 SHORT RUN ROAD
PENNSBORO, WV 26415

FORREST G. POWELL
PO BOX 91
ALMA, WV 26320

ELDEN L, RODNEY DEAN, & TIMOTHY RAY PRATT
873 DUCKWORTH RIDGE ROAD
ALMA, WV 26320

RODNEY D. PRATT
365 DUCKWORTH RIDGE ROAD
ALMA, WV 26320

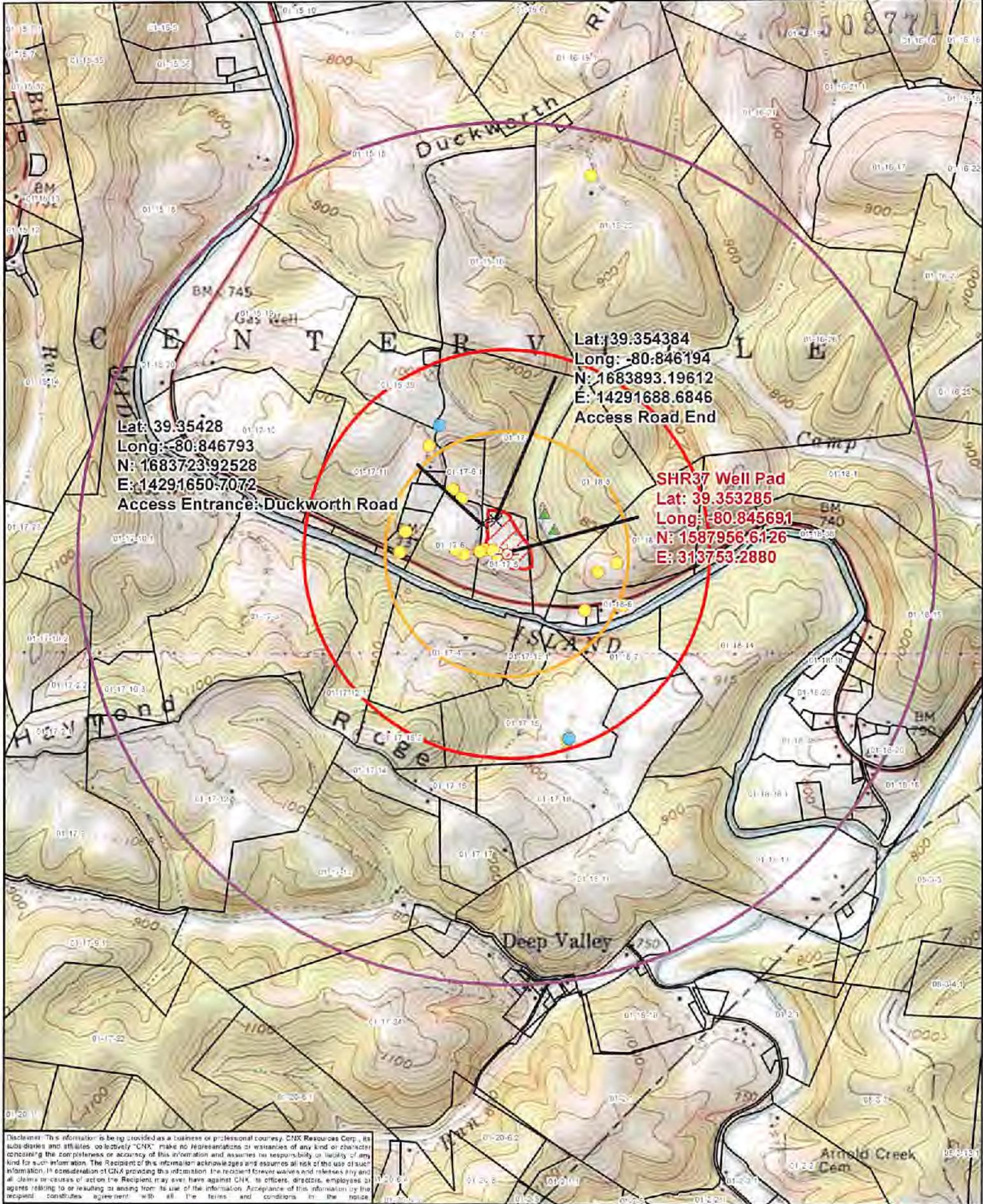
RONALD ROYCE & REVA D. ROWLAND
358 DUCKWORTH RIDGE ROAD
ALMA, WV 26320

GAIL WILLIAMSON
195 DUCKWORTH RIDGE ROAD
ALMA, WV 26320

DOUG LANTZ
1376 MIDWAY ROAD
BELINGTON, WV 26250

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WV Department of
Environmental Protection

12/17/2021



Lat: 39.35428
 Long: -80.846793
 N: 1683723.92528
 E: 14291650.7072
 Access Entrance: Duckworth Road

Lat: 39.354384
 Long: -80.846194
 N: 1683893.19612
 E: 14291688.6846
 Access Road End

SHR37 Well Pad
 Lat: 39.353285
 Long: -80.845691
 N: 1587956.6126
 E: 313753.2880

Disclaimer: This information is being provided as a business or professional courtesy. CNX Resources Corp., its subsidiaries and affiliates, collectively "CNX," make no representations or warranties of any kind or character concerning the completeness or accuracy of this information and assumes no responsibility or liability of any kind for such information. The Recipient of this information acknowledges and assumes all risk of the use of such information. If considered as a contract, the Recipient agrees to hold CNX, its officers, directors, employees or agents harmless from and against any and all claims or causes of action that may be asserted against CNX, its officers, directors, employees or agents resulting from or arising from its use of the information. Acceptance of this information by the Recipient constitutes agreement with all the terms and conditions in the notice.

- SHR37 Well Pad
- Pond
- Spring
- Well
- Access Points
- Access Road
- 1 Mile Buffer
- 2,500ft Buffer
- 1,500ft Buffer
- Surface Parcel
- Well Pad LOD



Date: 10/7/2021	Prepared By: GIS
Revisions: 1	Approved By:
This map is property of CNX Resources Corp and contains information that is proprietary and confidential in nature and may not be copied or reproduced without prior written consent.	

12/17/2021

Map of SHR37 Well Pad



Sarah Weigand
Manager, Upstream Permitting
Work: 724-485-3244
Email: SarahWeigand@cnx.com

CNX Center
1000 CONSOL Energy Drive
Canonsburg, PA 15317-6506
724-485-4000
cnx.com

October 11, 2021

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

RE: SHR37NHSM Waiver Request

To Whom It May Concern:

CNX Gas Company LLC (CNX) as surface and coal owner of the SHR37NHSM drill tract hereby waives the right to receive the Notice of Intent to Drill. An executed Voluntary Statement of No Objection form has been included with this application.

If any further information or correspondence is required, please contact me at (724) 485-3244 or SarahWeigand@cnx.com.

Sincerely,

A handwritten signature in blue ink that reads "Sarah Weigand". The signature is written in a cursive, flowing style.

Sarah Weigand

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Office of Oil and Gas
NOV 15 2021
WV Department of
Environmental Protection

12/17/2021

TMP 1-17-5	
Surface Owner	Address
CNX Gas Company LLC	1000 Consol Energy Drive Canonsburg, PA 15317
Coal Owner	Address
CNX Gas Company LLC	1000 Consol Energy Drive Canonsburg, PA 15317

WW-6RW (1-12) CNX # 294099001

API NO. 47- OPERATOR WELL NO. See Exhibit A Well Pad Name: SHR 37

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS WELL LOCATION RESTRICTION WAIVER

The well operator, CNX GAS COMPANY LLC is applying for a permit from the State of West Virginia to conduct oil or gas well work. Please be advised that well work permits are valid for twenty-four (24) months.

Well Location Restrictions

Pursuant to West Virginia Code § 22-6A-12(a), 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.

WAIVER

I, Timothy Surmick, hereby state that I have read the Instructions to Persons Named on Page WW-6A and the associated provisions listed above, and that I have received copies of a Notice of Application, an Application for a Well Work Permit on Form WW-6A and attachments consisting of pages one (1) through All, including the erosion and sediment control plan, if required, and the well plat, all for proposed well work on the tract of land as follows:

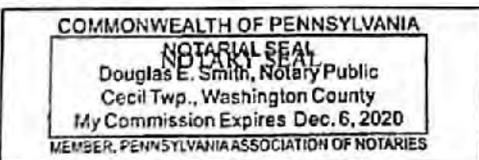
State: West Virginia UTM NAD 83 Easting: 513285.2620 m
County: Tyler UTM NAD 83 Northing: 4356027.9910 m
District: Centerville Public Road Access: Duckworth Ridge Road (CR 58/2)
Quadrange: West Union Generally used farm name: CNX
Watershed: Headwaters Middle Island Creek

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued on those materials and I therefore waive all well site restrictions listed under West Virginia Code § 22-6A-12(a).

WELL SITE RESTRICTIONS BEING WAIVED
*Please check all that apply
[] EXISTING WATER WELLS
[] DEVELOPED SPRINGS
[] DWELLINGS
[] AGRICULTURAL BUILDINGS
FOR EXECUTION BY A NATURAL PERSON
Signature:
Print Name:
Date:
FOR EXECUTION BY A CORPORATION, ETC.
Company: CNX Gas Company LLC
By: Timothy Surmick
Its: Assistant Vice President
Signature:
Date: 12/17/2021

Well Operator: CNX GAS COMPANY LLC
By: Raymond Hoon
Its: Permitting Supervisor

Signature:
Telephone: 724-485-3540



Subscribed and sworn before me this 17 day of December NOV 15 2021
Douglas E. Smith
Notary Public
My Commission Expires 12-6-2020

RECEIVED Office of Oil and Gas

Notary Public Department of Environmental Protection

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WW-6RW Well Location Restriction Waiver

EXHIBIT A

SHR37HSM

Operator Well No.

SHR37DHSM
SHR37EHSM
SHR37FHSM
SHR37GHSM
SHR37HHSM
SHR37IHSM
SHR37KHSM
SHR37LHSM
SHR37MHSM
SHR37NHSM
SHR37OHSM
SHR37PHSM
SHR37QHSM
SHR37RHSM

SAVANNAH SHILACK
CAMPBELL DEVELOPMENT
2006 E CARSON STREET
PITTSBURGH, PA 15203-1902

Neil A Archer II
TYLER County 10:31:59 AM
Instrument No 1191946
Date Recorded 12/18/2018
Document Type OG
Pages Recorded 2
Book-Page 627-619
Recording Fee \$5.00
Additional \$6.00

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Office of Oil and Gas
NOV 15 2021
WV Department of
Environmental Protection

12/17/2021

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

I, Sarah Weisand, hereby state that I have read the Instructions to Persons Named on Page WW-6A and the associated provisions listed above, and that I have received copies of a Notice of Application, an Application for a Well Work Permit on Form WW-6A and attachments consisting of pages one (1) through _____, including the erosion and sediment control plan, if required, and the well plat, all for proposed well work on the tract of land as follows:

State:	<u>West Virginia</u>	UTM NAD 83	Eastings:	<u>513280.399</u>
County:	<u>Tyler</u>		Northing:	<u>4356024.318</u>
District:	<u>Centerville</u>	Public Road Access:	<u>Duckworth Ridge Road</u>	
Quadrangle:	<u>West Union</u>	Generally used farm name:	<u>CNX Gas Company</u>	
Watershed:	<u>Middle Island Creek</u>			

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued on those materials.

<p>*Please check the box that applies</p> <p><input checked="" type="checkbox"/> SURFACE OWNER</p> <p><input type="checkbox"/> SURFACE OWNER (Road and/or Other Disturbance)</p> <p><input type="checkbox"/> SURFACE OWNER (Impoundments/Pits)</p> <p><input checked="" type="checkbox"/> COAL OWNER OR LESSEE</p> <p><input type="checkbox"/> COAL OPERATOR</p> <p><input type="checkbox"/> WATER PURVEYOR</p> <p><input type="checkbox"/> OPERATOR OF ANY NATURAL GAS STORAGE FIELD</p>	<p>FOR EXECUTION BY A NATURAL PERSON</p> <p>Signature: _____</p> <p>Print Name: _____</p> <p>Date: _____</p> <p>FOR EXECUTION BY A CORPORATION, ETC.</p> <p>Company: <u>CNX Gas Company LLC</u></p> <p>By: <u>Sarah Weisand</u></p> <p>Its: <u>Permitting Manager</u></p> <p>Signature: <u>Sarah Weisand</u></p> <p>Date: <u>11/13/2021</u></p>
---	---

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Office of Oil and Gas
NOV 15 2021
WV Department of
Environmental Protection

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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.

12/17/2021

Section V – Proposed Additives to be used in Fracturing or Stimulations		
Chemical	Chemical Name	CAS No.
28% HCL Acid	Water	7732-18-5
	Hydrogen Chloride	7647-01-0
ACI-150	Methyl Alcohol	67-56-1
	N,N-Dimethylformamide	68-12-2
	Ethylene glycol	107-21-1
	2-Butoxyethanol	111-76-2
	Poly(oxy-1,2-ethanediyl),.alpha.-(4-nonylphenyl)-.omega.-hydroxy-.branched	127087-87-0
	Tar Bases, quinoline derivs, benzyl chloride-quat	72480-70-7
	Cinnamaldehyde	104-55-2
Citric Acid 50%	Citric Acid	77-92-9
	Water	7732-18-5
StimSTREAM FR 9800	Alkanes, C16-20-iso	90622-59-6
	Butene, homopolymer	9003-29-6
	Ethoxylated alcohols (C12-18)	68213-23-0
StimSTREAM SC 398	Bis(HexaMethylene Triamine Penta (Methylene Phosphonic Acid) (BHMT)	34690-00-1
	Non-hazardous substances	Proprietary
Clearal 268	Glutaraldehyde	111-30-8
	Didecyl dimethyl ammonium chloride	7173-51-5
	Quaternary Ammonium Compounds	68424-85-1
	Ethanol	64-17-5
	Non-hazardous substances	Proprietary
VB 625	Heavy Aliphatic Naphtha	64742-96-7
	TRADE SECRET	Proprietary
	TRADE SECRET	Proprietary
	TRADE SECRET	Proprietary
	Guar gum	9000-30-0
Ammonium Persulfate	Ammonium Persulfate	7727-54-0



WEST VIRGINIA DEPARTMENT OF TRANSPORTATION

Division of Highways

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

D. Alan Reed, P.E.
State Highway Engineer

Jimmy Wriston, P. E.
Secretary of Transportation
Commissioner of Highways

October 12, 2021

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-37 Pad, Tyler County
SHR37NHSM Well Site

Dear Mr. Martin,

This well site will be accessed from a DOH permit #06-2018-0949 which has been issued to CNX Gas Company for access to the State Road for a well site located off Tyler County Route 58/2 SLS MP 0.25.

This operator is in compliance with §22-6A-20 of the WV Code. Operator has signed a STATEWIDE 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 October 1, 2018. This letter is valid for permitting purposes for one year from the date of this letter.

Very Truly Yours,

Gary K. Clayton, P.E.
Regional Maintenance Engineer
Central Office O&G Coordinator

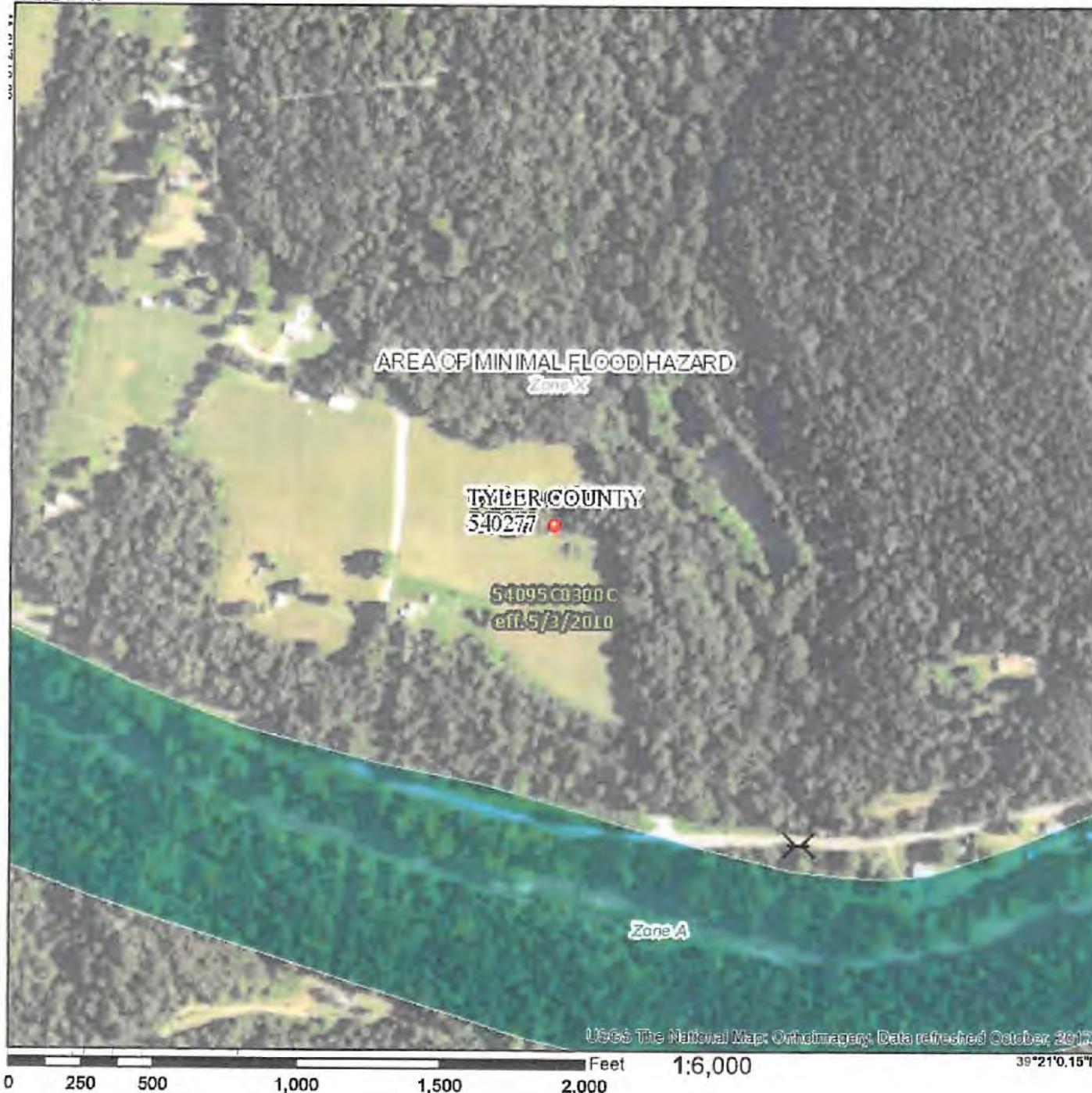
Cc: Becky Zachwieja
CNX Gas Company
CH, OM, D-6
File

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Office of Oil and Gas
NOV 15 2021
WV Department of
Environmental Protection

National Flood Hazard Layer FIRMette



39°21'27.98"N



USGS The National Map: Orthoimagery, Data refreshed October, 2017.

0 250 500 1,000 1,500 2,000 Feet 1:6,000

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

- SPECIAL FLOOD HAZARD AREAS**
 - Without Base Flood Elevation (BFE) Zone A, V, A99
 - With BFE or Depth Zone AE, AO, AH, VE, AR
 - Regulatory Floodway

 - OTHER AREAS OF FLOOD HAZARD**
 - 0.2% Annual Chance Flood Hazard, Area of 1% annual chance flood with average depth less than one foot or with drainag areas of less than one square mile Zone J
 - Future Conditions 1% Annual Chance Flood Hazard Zone X
 - Area with Reduced Flood Risk due to Levee. See Notes, Zone X
 - Area with Flood Risk due to Levee Zone D

 - OTHER AREAS**
 - NO SCREEN Area of Minimal Flood Hazard Zone X
 - Effective LOMRs
 - Area of Undetermined Flood Hazard Zone

 - GENERAL STRUCTURES**
 - Channel, Culvert, or Storm Sewer
 - Levee, Dike, or Floodwall

 - OTHER FEATURES**
 - Cross Sections with 1% Annual Chance Water Surface Elevation 20.2
 - Cross Sections with 1% Annual Chance Water Surface Elevation 17.5
 - Coastal Transect
 - Base Flood Elevation Line (BFE)
 - Limit of Study
 - Jurisdiction Boundary
 - Coastal Transect Baseline
 - Profile Baseline
 - Hydrographic Feature

 - MAP PANELS**
 - Digital Data Available
 - No Digital Data Available
 - Unmapped
- The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 12/19/2018 at 11:31:08 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective data. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

80°50'24.73"W



LOCATION MAP
USGS-WEST VIRGINIA, WV
Scale: 1"=2000'

CNX RESOURCES CORPORATION

SHIRLEY 37 WELL PAD

AS-BUILT

ENTRANCE LOCATION

NAD 83 - LAT: 39° 21' 15.32"; LONG: 80° 50' 48.62"
 NAD 27 - LAT: 39° 21' 15.02"; LONG: 80° 50' 49.24"

CENTERVILLE DISTRICT,
 TYLER COUNTY, WEST VIRGINIA

DATE: JULY 02, 2019



LOCATION MAP
Scale: 1"=2000'

WVDEP OOG
ACCEPTED AS-BUILT
WJ 10/31/2019

I hereby certify that I am a licensed engineer in the state of West Virginia. This As-Built certifies, to the best of my knowledge, information and belief, the Well Pad constructed by Anderson Excavating in Tyler County, WV on behalf of CNX Resources Corporation, has been constructed in general conformance to the plans and specifications and, in my professional opinion, is in compliance with applicable laws, codes, and ordinances.



Know what's below.
 Call before you dig.



SHEET INDEX	
DWG #	DRAWING NAME
1	COVER SHEET
2	PLAN VIEW
3	PLAN VIEW WITH ORTHO
4	ACCESS ROAD PROFILE

Note: Drawing was created on 22x34 paper. 11x17 drawings are half scale. Refer to scale bar for proper scaling.

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NO.	REV.	DATE	DESCRIPTION
1	001	10-01-19	ISSUED FOR PERMITS
1	002	10-01-19	ISSUED FOR PERMITS
1	003	10-01-19	ISSUED FOR PERMITS



SCALE: 1"=100'	DATE: 07/02/19
DRAWING NO.:	DATE: 07/02/19
CONTRACT NO.:	DATE: 07/02/19
REVISION NO.:	DATE: 07/02/19
SUPPLIER:	
PROJECT NO.:	



PROJECT NO.:	
CONTRACT NO.:	
REVISION NO.:	
PROJECT NO.:	
PROJECT NO.:	

CNX RESOURCES CORPORATION
 SHIRLEY 37 SITE
 PAD AS-BUILT
 TYLER COUNTY, WEST VIRGINIA
 COVER SHEET

SHEET No
1

SHR-37 WELL PAD

Erosion & Sedimentation Control Plan

Centerville District, Tyler County, West Virginia

Prepared For:

CNX GAS COMPANY, LLC

1000 CONSOL Energy Drive
Canonsburg, PA 15317

Issue Date: November 19, 2018

Revised: January 16, 2019



SITE ENTRANCE
COORDINATES:

N39°21'15.37"
W80°50'48.61"

(39.354269, -80.846836)

WELL PAD
CENTER:

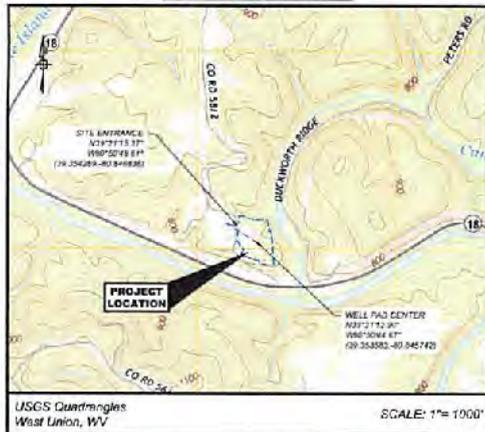
N39°21'12.90"
W80°50'44.67"

(39.353583, -80.845742)

DRAWING SCHEDULE

SHEET NO.	SHEET TITLE
1 OF 13	TITLE SHEET
2 OF 13	GENERAL NOTES
3 OF 13	EXISTING CONDITIONS PLAN
4 OF 13	SITE SOILS PLAN
5 OF 13	EROSION & SEDIMENTATION CONTROL AND GRADING PLAN
6 OF 13	ACCESS ROAD PROFILES, SECTIONS, AND OFFSET EXHIBIT
7 OF 13	WELL PAD PROFILES
8 OF 13	GEOTECHNICAL DETAILS
9 OF 13	EROSION AND SEDIMENTATION CONTROL DETAILS
10 OF 13	CONSTRUCTION DETAILS
11 OF 13	SITE RESTORATION PLAN
12 OF 13	SITE REVEGETATION PLAN
13 OF 13	QUANTITY SUMMARY

SITE VICINITY MAP



SITE LOCATION MAP



LANDOWNER IMPACT TABLE

ACRES	LANDOWNER
8.5	CNX Gas Company, LLC 01-17-5



Prepared By:

Sheffler & Company, Inc.

ENGINEERING • SURVEYING

1712 M. Nebo Road
Sewickley, PA 15143

Office Phone: 412-219-4509
Email: Info@ShefflerCo.com

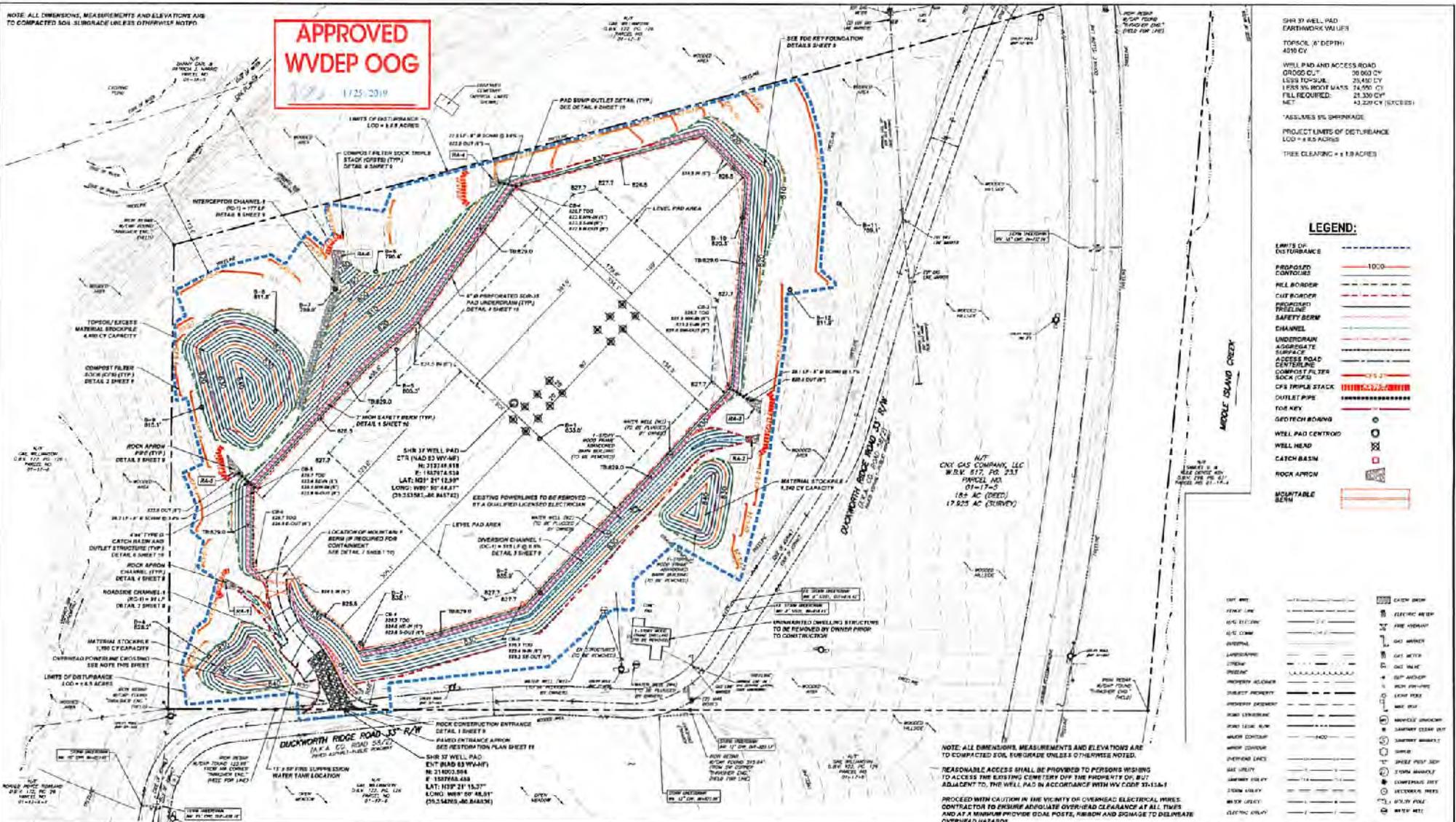
Cragin Blevins

Digitally signed by Cragin
Blevins

Date: 2021.11.08 10:40:01 -05'00'

APPROVED WVDEP OOG
1/25/2019

NOTE: ALL DIMENSIONS, MEASUREMENTS AND ELEVATIONS ARE TO COMPACTED SOIL SURGRADE UNLESS OTHERWISE NOTED.



SHR 37 WELL PAD EARTHWORK VALUES
 TOPSOIL @ 4' DEPTH: 4510 CY
 WELL PAD AND ACCESS ROAD DROG C/L: 36 860 CY
 1500 TOPSOIL: 20 430 CY
 1500% SLOPE DRAINS: 74 000 CY
 FILL REQUIRED: 21 330 CY
 NET: 43 220 CY (EXCESS)

ASSUMES 5% SHRINKAGE
 PROJECT LIMITS OF DISTURBANCE: 100' ± 8.85 ACRES
 TREE CLEARING: ± 1.8 ACRES

LEGEND:

- LIMITS OF DISTURBANCE: - - - - -
- PROPOSED CONTIGUAL: ————
- 100'
- WELL BORDER: ————
- CUT BORDER: - - - - -
- PROPOSED TIE LINE: ————
- SAFETY BERM: ————
- CHANNEL: ————
- UNDERDRAIN: ————
- AGGREGATE SURFACE: ————
- ACCESS ROAD: ————
- SEPTIC TANK: ————
- COMPOST FILTER SOCK (CFS): ————
- CFS TRIPLE STACK: ————
- OUTLET PIPE: ————
- FOR KEY: ————
- GEOTECH BORING: ○
- WELL PAD CENTROID: ⊙
- WELL HEAD: ⊙
- CATCH BASIN: ⊙
- ROCK APRON: ⊙
- MOUNTABLE BERM: ————

- EXISTING BOUNDARY: ————
- PROPOSED BOUNDARY: ————
- PROPOSED TIE LINE: ————
- PROPOSED CHANNEL: ————
- PROPOSED UNDERDRAIN: ————
- PROPOSED AGGREGATE SURFACE: ————
- PROPOSED ACCESS ROAD: ————
- PROPOSED SEPTIC TANK: ————
- PROPOSED CFS TRIPLE STACK: ————
- PROPOSED OUTLET PIPE: ————
- PROPOSED GEOTECH BORING: ○
- PROPOSED WELL PAD CENTROID: ⊙
- PROPOSED WELL HEAD: ⊙
- PROPOSED CATCH BASIN: ⊙
- PROPOSED ROCK APRON: ⊙
- PROPOSED MOUNTABLE BERM: ————

NOTE: ALL DIMENSIONS, MEASUREMENTS AND ELEVATIONS ARE TO COMPACTED SOIL SURGRADE UNLESS OTHERWISE NOTED.
 REASONABLE ACCESS SHALL BE PROVIDED TO PERSONS WISHING TO ACCESS THE EXISTING OWNERSHIP OF THE PROPERTY OR, BUT ADJACENT TO, THE WELL PAD IN ACCORDANCE WITH WV CODE §16-2-1.
 PROCEED WITH CAUTION IN THE VICINITY OF OVERHEAD ELECTRICAL WIRES. CONTRACTOR TO ENSURE ADEQUATE OVERHEAD CLEARANCE AT ALL TIMES AND AT A MINIMUM PROVIDE 8'0" POSTS, 18" BARS AND 3" DGA TO DELIVER OVERHEAD HAZARD.

811 Know what's below. Call before you dig.
 WV 1-800-4-A-SHIELD



Date	Revision Description	By	Professional Seal	Prepared By
1/25/2019	Revised per WVDEP comments from OOG	SNP		



Sheffler & Company, Inc.
 ENGINEERING • SURVEYING
 1722 Mount Zion Road, Sparksley, PA 15142
 Office Phone: 412-370-4008
 Email: info@shefflerco.com

<p>SHR 37 WELL PAD Centerville District, Tyler County, West Virginia</p>		<p>EROSION & SEDIMENTATION CONTROL AND GRADING PLAN</p>	
Prepared For: 	DRAWING SCALE: AS NOTED DATE ISSUED: 1/11/2019 PROJECT: 1358 SHR37 CADD:	DESIGNED BY: KDP REVIEWED BY: GAS FIELD BOOK #	SHEET # <p style="font-size: 24pt; font-weight: bold;">5/13</p>