



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 SHR37OHSM
47-095-02772

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: SHR37OHSM
Farm Name: CNX GAS COMPANY LLC
U.S. WELL NUMBER: 47-095-02772
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: SHR37OHSM 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: 18,061' MD at TD

11) Proposed Horizontal Leg Length: 11,330'

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

(a) If Yes, provide Mine Info: Name: _____
Depth: _____
Seam: _____
Owner: _____

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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	5017	5017 ✓	1,725 / CTS
Production	5.5	New	P-110	20	18,061	18,061 ✓	3,754 / TOC @ 2,100
Tubing	2.375	New	J-55	4.7	Above assumes RF = 29'	TBD	N/A
Liners	N/A						

*96B
11/17/21*

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 PBTD. 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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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

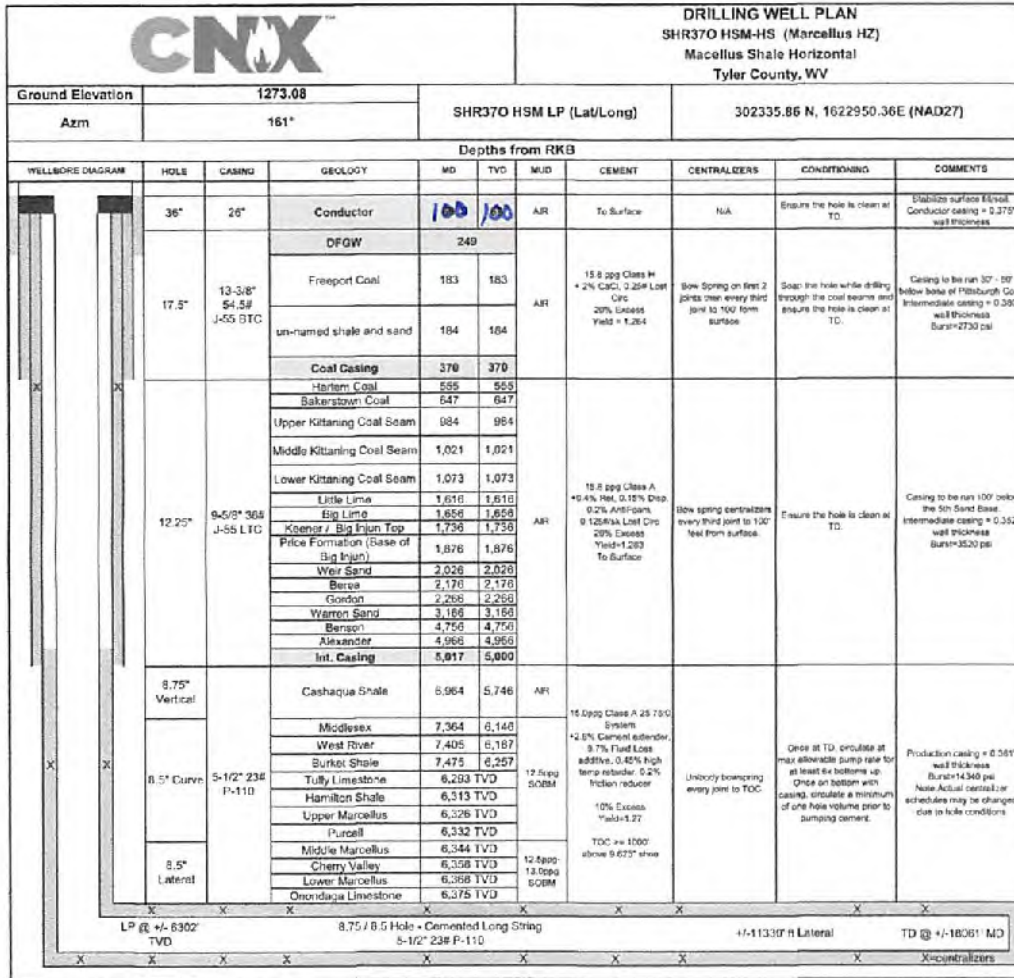
Fresh water string: Class A cement with 1%-3% CaCl₂ and 1/4 pps cello-flake/LCM.
Intermediate string: Class A cement with 0%-2% CaCl₂ and 1/4 pps cello-flake/LCM.
Production string: Class A or Class H with dry blend and/or liquid additives including retarder, suspension agent, gas block, defoamer, fluid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

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Inputs

Pad	SHR37			
Well Letter	O HSM			
Ground Elev	1273.08			
Azimuth	161.00			
Lat Length	11330.00			
Coordinate System	NAD27			
TVD	6302.00			
SHL	Northing	Easting	MD	TVD
KOP	313715.40	1610207.61	0	NA
LP	313048.05	1610261.87	6731	6302
BHL	302335.86	1622950.36	18061	6302

WW-9
(4/16)

API Number 47 - 095 - 02772
Operator's Well No. SHR37OHSM

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 WDTN5WHSM 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 spuds/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 an approved Landfill

-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 any 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.

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Department of Environmental Protection

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

Commonwealth of Pennsylvania, County of Washington
Subscribed and sworn before me this 10th day of November, 2021

Rebecca Zachwieja Notary Public
My commission expires November 7, 2023

Cragin Blevins
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Date: 2021.11.08 12:30:10 -0500

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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
Orchard Grass	25
Birdsfoot Trefoil	15
Ladino Clover	10

Seed Type	lbs/acre
Orchard Grass	25
Birdsfoot Trefoil	15
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 12:30:48 -05'00'

Comments: _____

Title: Environmental Resources Specialist III

Date: 11/8/2021

Field Reviewed? () Yes () No

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Type of Waste	Disposal Company Name	Disposal Location	Disposal Location Coor 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	WMGR GP No. 1235W001 WQM Industrial Waste Permit No.: 2606201 A-2	Brine (Produced Water) and oily water from compressor stations.	Rob Bealko 304-291-0383 Office 304-282-8814 Cell rob.bealko@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 330-692-0423; dbrown@ApexLF.com
Brine Injection - Treatment	Cambrian Well Services - Kemble (Orr Petroleum Corporation)	Zanesville, Maskingum County, Perry Township, OH	39.974954, -81.845389	Kemble 1-D (SWIW#2B)	34-119-2-8780	Brine (Produced Water)	Bob Orr 740-796-6495 614-648-8898 orpetro@gmail.com
Brine Injection - Treatment	CNX Resources Corporation	Buchanan County, VA	37.087460, -82.047918	BPCD1	VAS2D960BBUC	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	VAS2D930BBUC	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	VAS2D926BBUC	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	AW114A	VAS2D970BBUS	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@deepprocks.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@deepprocks.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@deepprocks.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, -81.476913	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@deepprocks.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	40.283293, - 81.578068	Mozena #1 Well (SWIW #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 (SWIW #30)	API # 34-119-2-8803	Brine (Produced Water)	Bryan Force Mobile: 412.289.0063 Office: 724.465.9399 bforce@forceincorporated.com
Brine Injection - Treatment	Environmental Energy Services LLC (Force, Inc.)	Barnsville, Belmont County, OH	NEED	Barnsville (SWIW #2)	34-013-2-0609 UIC #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 zachery4@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	WMGR123SW010	Oil and Gas Fluids with minimal oil and solids present	Gary Carpenter 267-246-6176 JRBGCarpenter@aol.com Office: (330) 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@lwc-inc.com
Brine Injection - Treatment	Hydro Recovery	572 Route 18 Burgettstown, PA 15021	40.422874, - 80.426125	Burgettstown Facility	WMGR123SW019	Oil and Gas Fluids with minimal oil and solids present	Ashley Cromley@hydrorecoveryllc.com
Non-Haz Disposal	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, 610-636-4133
RW & TENORM	Mud Masters LLC	6405A Wintergreen Rd Lore City, OH 43725	40.027531, - 81.449219	N/A	N/A	Non-radioactive material, low level radioactive material (NORM/TE NORM), 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 heavy mudmasters@gmail.com Billing Address: 739 Southgate Pkwy, Cambridge, Ohio 43725
Non-Haz Disposal	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) jslater@quala-us.com
Non-Haz Disposal	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	WMGR123SW005	Oil and Gas Fluids with minimal oil and solids present	Matt Kicinski 814-574-9701 mkicinski@reswater.com
Brine Injection - Treatment	Reserved Environmental Services (RES)	506 Uppencott Road Waynesburg, PA 15370	39.945555, - 80.140833	Waynesburg Facility	WMGR123SW031	Oil and Gas Fluids with minimal oil and solids present	Matt Kicinski 814-574-9701 mkicinski@reswater.com
Hazardous Waste Disposal	Safety Klean	10 Industrial Park Drive Wheeling, Wv. 26003	N/A	Wheeling Landfill	N/A	RCRA/TSCA Waste, PCB Transformers & Capacitors, PCB Soil/Debris, Non-Hazardous Wastes, Asbestos Waste, Solidification Services	Gordon Cooper Gordon.cooper@safety-klean.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 & TENDORM	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/TENDORM) material handling, storage, downblending, transport/loading to rail, tank cleaning, radiological sampling/testing analysis/lab. Non-radioactive material & radioactive material handling (NORM/TENDORM), solids separation, material downblending, tank cleaning, radiological sampling/testing analysis/lab. Liquid/semi-solids treatment and separation for waste disposal.	Orin David Orin.david@trooclean.com 918-413-6426 Corporate Number: 734-442-2353 Guy Turtrice gturtrice@valcor.com 304-963-1563 Steve Atkinson SAtkinson@valcor.com
Oil & Oily Water Treat - Recycle	Valcor 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 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: 716-266-0365 or 716-754-8231 or 800-563-4775
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 john@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 20000bbl for 10lb brine and 10.5lb brine.	Kevin Fiherty (412)973-2586



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

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,

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

Sarah Weigand

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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.

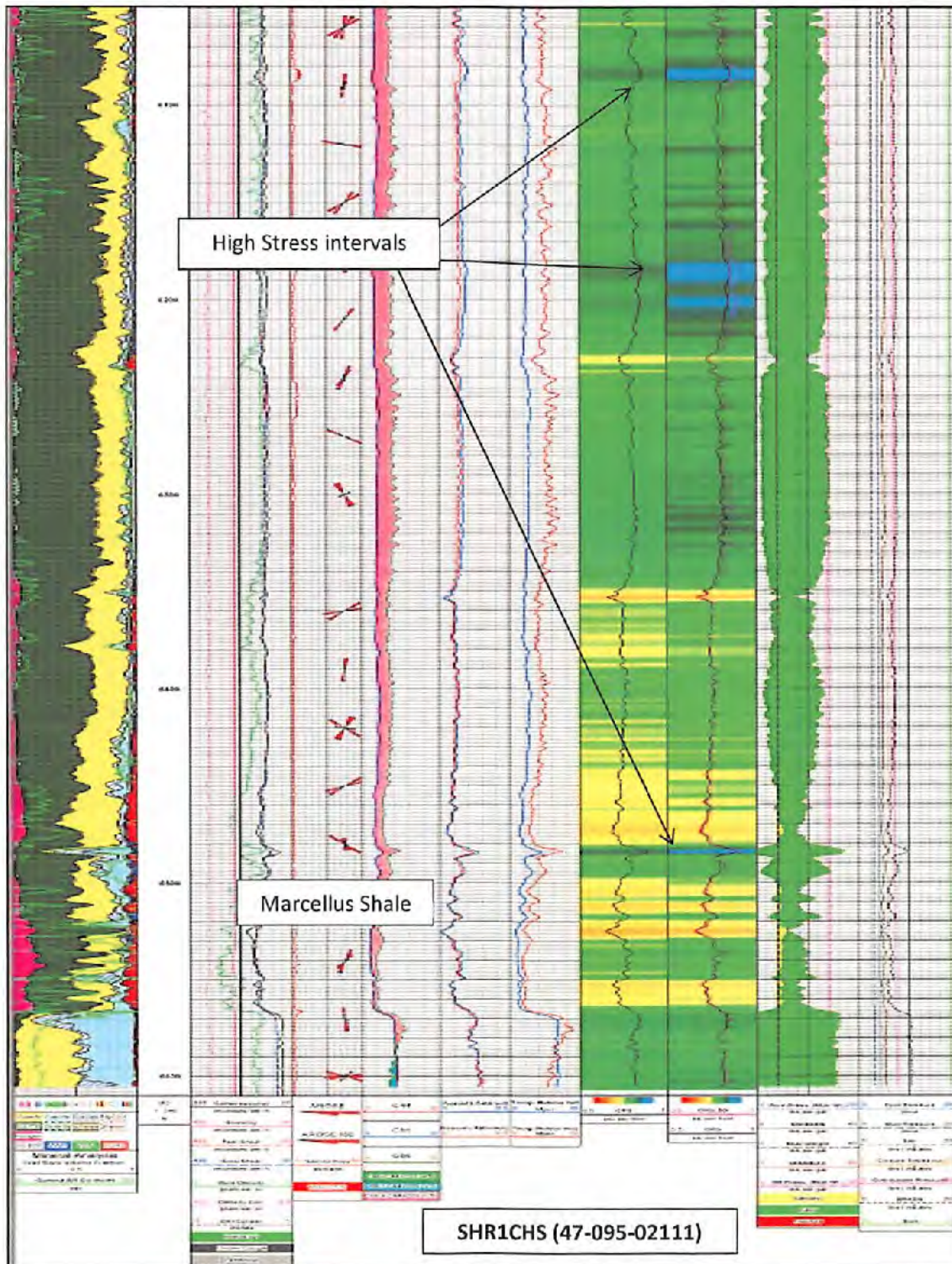


Figure 2. Stratigraphic intervals of high stress should serve as adequate frac barriers for a Marcellus frac. The frac modeling example below is from the Oxford area of western Doddridge County, where the Marcellus and adjacent shales are lithologically similar to the same formations in the Shirley area. 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.

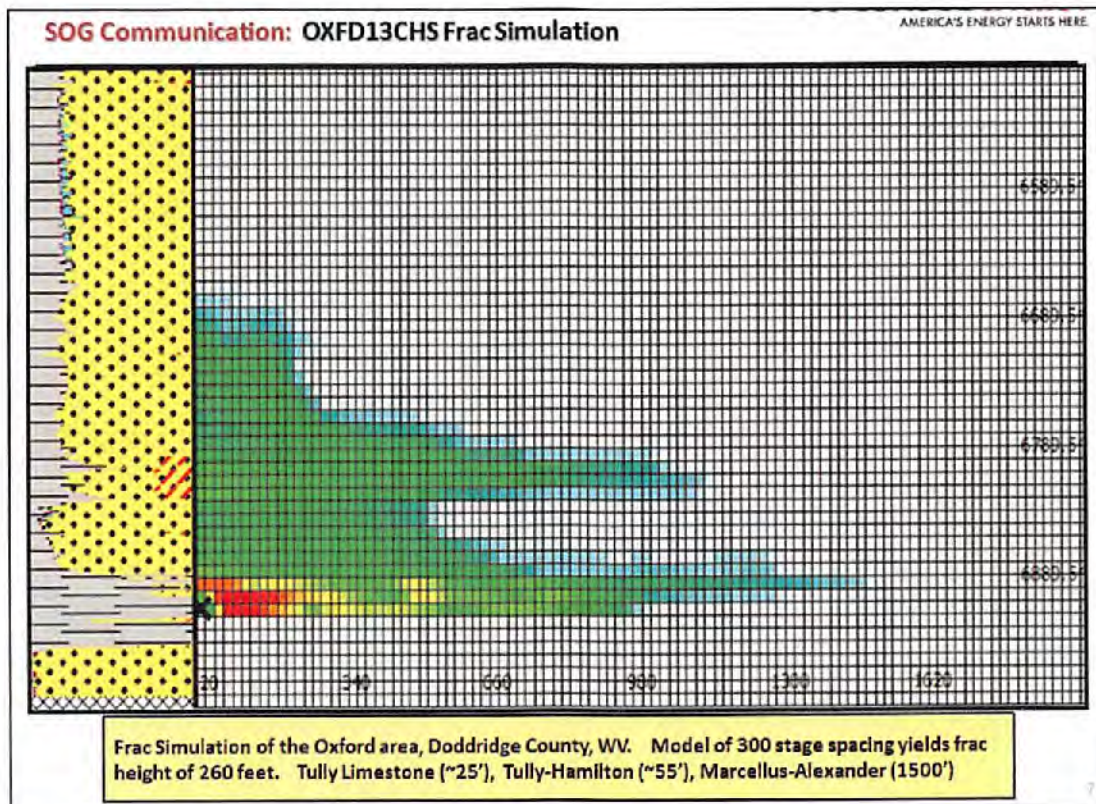


Figure 3. All wells within a 1000' buffer around the laterals have been reviewed and listed below. Wells with TD less than 3000' are colored green and TD' deeper than 3000' colored red.

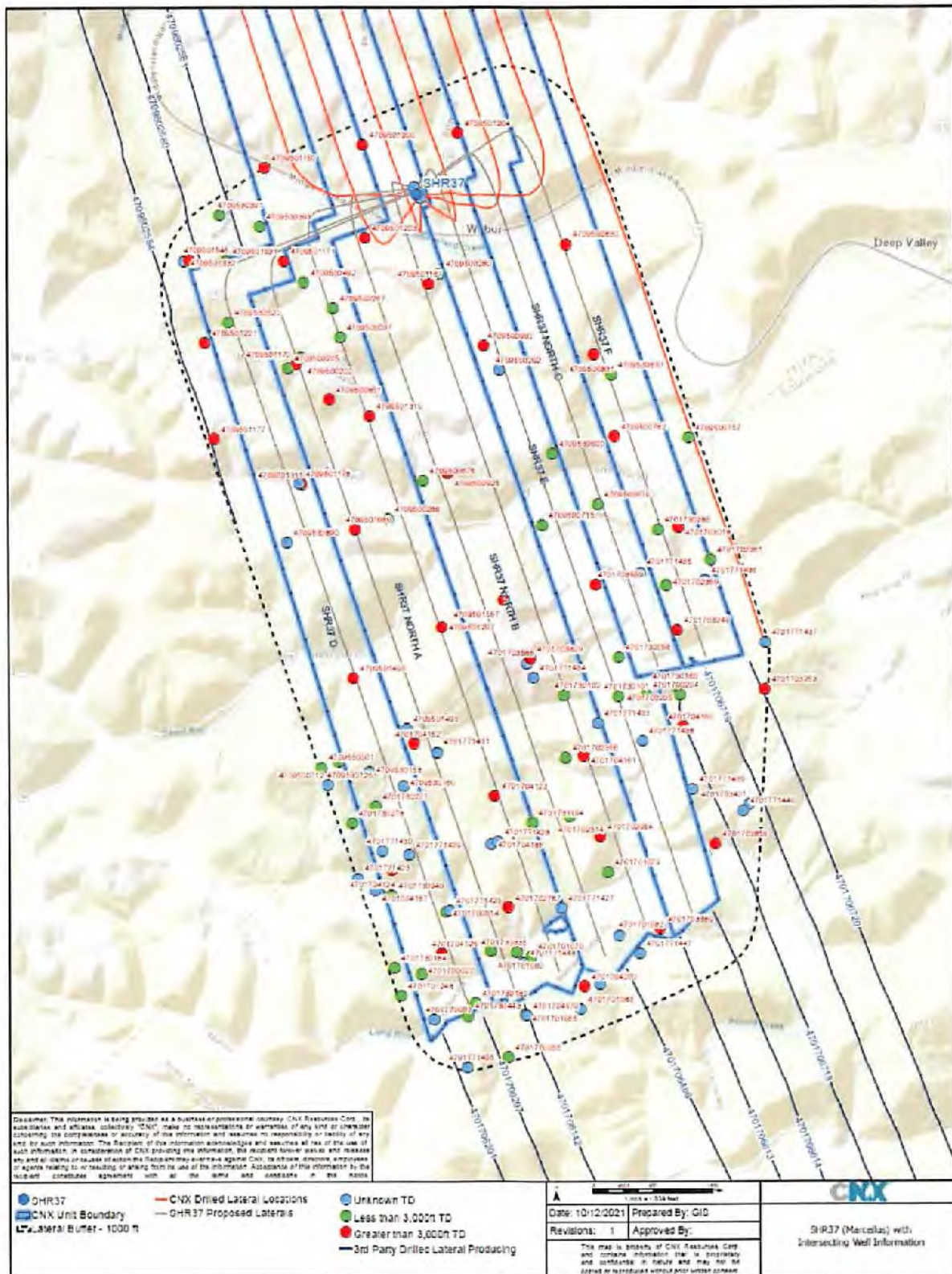


Figure 4. A list of all wells within a 1000' buffer around the laterals have been reviewed and listed below.

Api10	CurrentOperator	WellName	CurrentStatu	TotalDept	FormationAtTC
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	5576	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	2396	WEIR
4701703559	DIVERSIFIED GAS & OIL PLC	WAGNER 1 182-S	ACTIVE	4951	RILEY
4701703018	GREYLOCK CONVENTIONAL	MCCUTCHAN, WILLIAM P. J-513	ACTIVE	5305	BENSON
4701704128	KEY OIL COMPANY	A. DOTSON 2	ACTIVE	5375	BENSON
4701703249	GREYLOCK CONVENTIONAL	MCCUTCHAN, WILLIAM PAUL J-795	ACTIVE	5383	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
4709500679	RITCHIE PETROLEUM CORPORATION, INC.	BRADFORD, HATTIE 2	ACTIVE	2313	WEIR
4709501221	GREYLOCK CONVENTIONAL	AYERS, VIRGINIA J-1385	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
4709501669	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 HISM	ACTIVE	<Null>	MARCELLUS SHALE
4709502665	CNX	SHR 37 FISM	ACTIVE	<Null>	MARCELLUS SHALE
4709502667	CNX	SHR 37 DHSM	ACTIVE	<Null>	MARCELLUS SHALE
4709502668	CNX	SHR 37 EHSM	ACTIVE	<Null>	MARCELLUS SHALE
4709502669	CNX	SHR 37 GHSM	ACTIVE	<Null>	MARCELLUS SHALE



SHR37_M2 Pad Frac SOG Review / Pad Risk Review

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ApiID	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
4701730949	DROPPEMAN, 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
4701771438	(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	1957	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)
4701771426	(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
4701730286	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	2922	BIG INJUN (UNDIFF)
4709530156	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

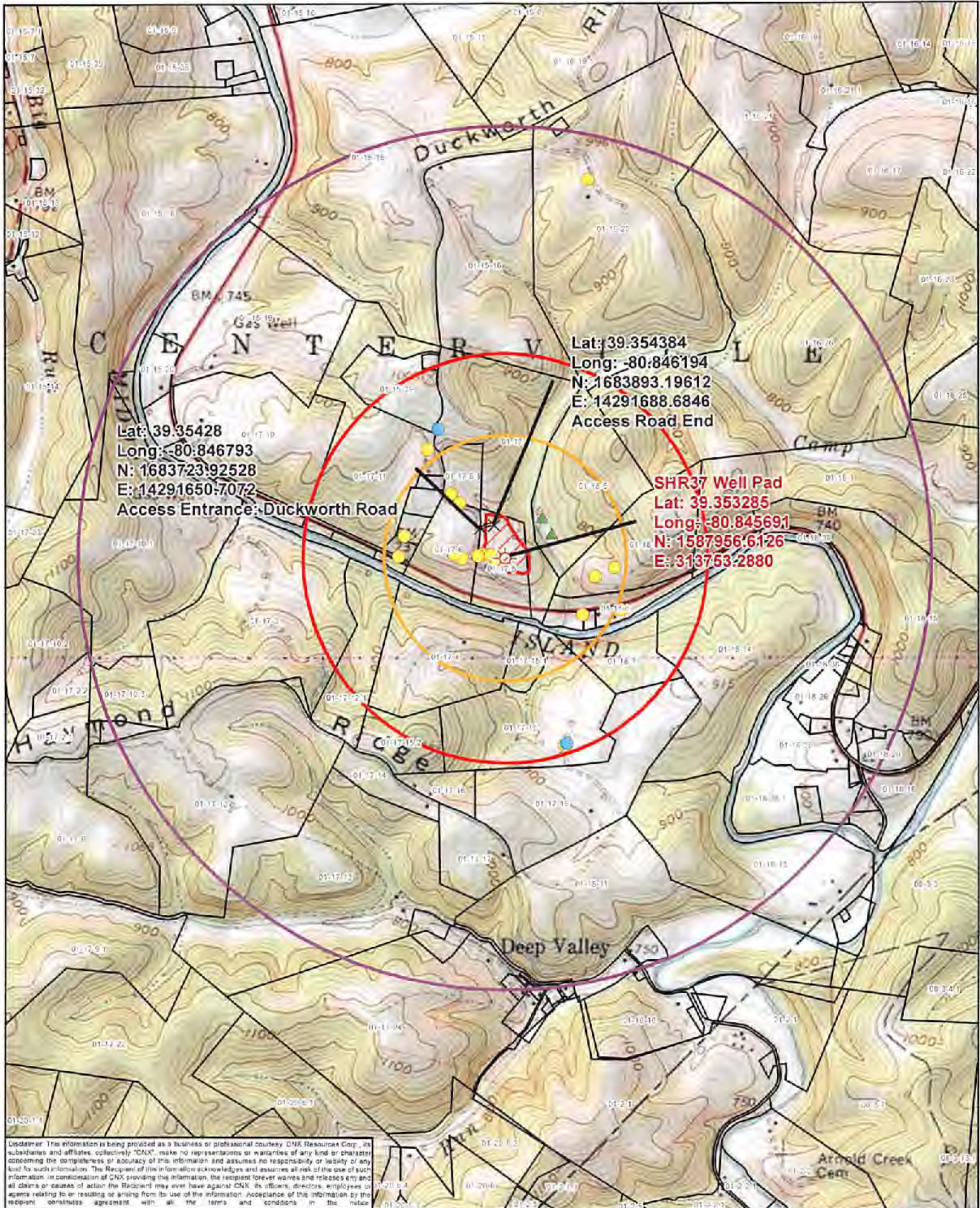
Api10	CurrentOperator	WellName	CurrentStatus	TotalDepth	FormationAtTD
4701700022	EASTERN GAS TRANSMISSION AND STORAGE, INC	DOTSON, F. 4981	P & A	2882	UNKNOWN
4701700204	EQUITRANS, L. P.	JAMES, BRUCE 1	P & A	1918	UNKNOWN
4701700205	EQUITRANS, L. P.	JAMES, BRUCE 2	P & A	1006	UNKNOWN
4701701065	(N/A)	IRONS, 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	1865	UNKNOWN
4701702787	GREYLOCK CONVENTIONAL	SHEPHERD, JAMES E. J-302	P & A	5070	UNKNOWN
4701703389	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



Site Safety Plan for Well SHR37OHSM 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 the information, the Recipient forever 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	

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

LATITUDE 39° 22' 30"

TH: 3,525'

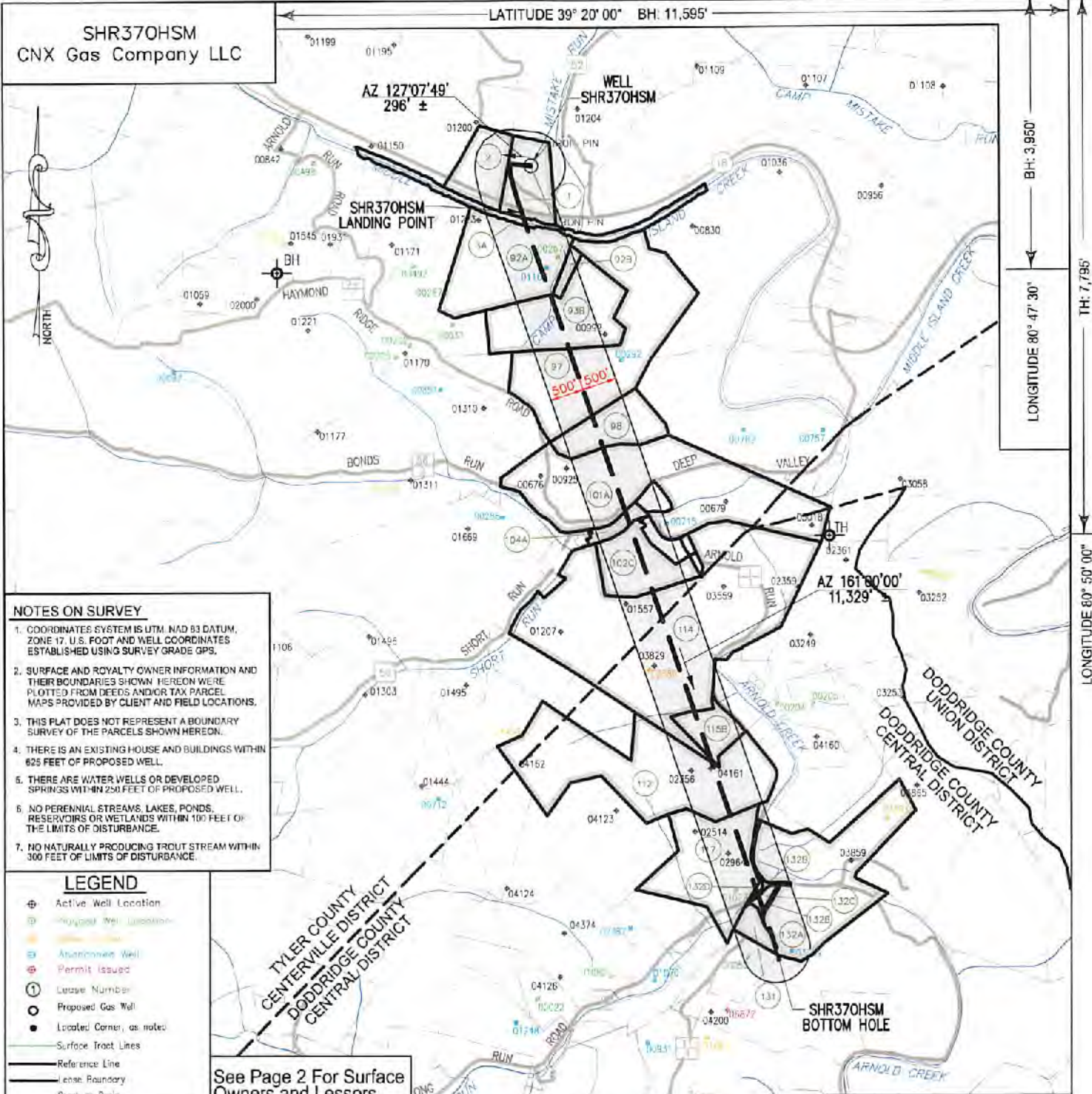
LATITUDE 39° 20' 00" BH: 11,595'

BH: 3,950'

LONGITUDE 80° 47' 30" TH: 7,795'

LONGITUDE 80° 50' 00"

SHR370HSM
CNX Gas Company LLC



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
- ⊕ Proposed Well Location
- ⊕ Abandoned Well
- ⊕ Permit Issued
- ① 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 2 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. Smit
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)

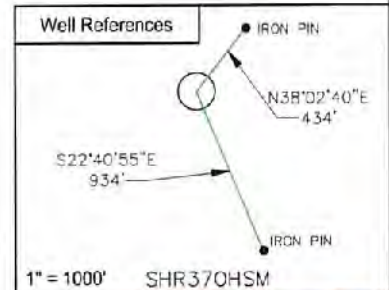
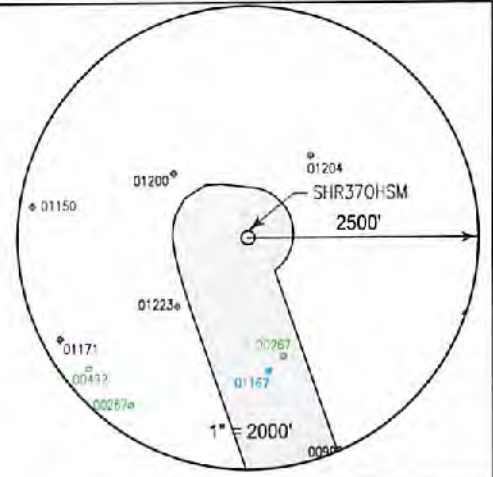
STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS DIVISION

DATE: November 03 20 21
OPERATORS WELL NO: SHR370HSM
API WELL NO
47 - 095 - 02112
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 ACRES: 18.1
ROYALTY OWNER: Eleanor V. & Dean A. Earnheart, et al. LEASE NO: 269278000 ACRES: 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 TH: 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

SHR37OHSM
CNX Gas Company LLC

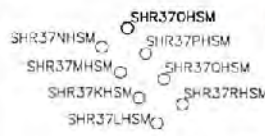
PAGE 2 OF 6



SURFACE OWNER	LESSOR	PIN
1 CNX Gas Company LLC	Nancy P. McClain and Ralph E. McClain Pursie E. Pipes and Norma J. Pipes Bradie Pipes and Goldie Pipes Georgia P. Snyder Agnes Godwin a/k/a Georgia Agnes Godwin Luella I. McConnell Ciela Boice Eleanor V. Earnheart and Dean A. Earnhart Dorothy Belle Wells and Byron Wells Myrna Morgan and David Morgan	1-17-5
2 Galt Williamson	Eleanor V. Earnheart and Dean A. Earnheart, her husband Ciela 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, a/k/a Reva Rowland and Ronald Royce Rowland	1-17-6
3A West Virginia Division of Natural Resources	West Virginia Division of Natural Resources	Middle Island Creek
92A Samuel V Ash & Denise Rule	A.E. Doak and Callie Doak	1-17-4
92B Ryan & Carrie L Davis	A.E. Doak and Callie Doak	1-17-15.1
93B Ryan Davis & Carrie L Davis	Ansel Doak and Flora Doak, H/W Goldie McKittrick, widow	1-17-15
97 Ryan Davis & Carrie L Davis Ryan & Carrie L Davis	Pearl I. Slack	1-17-15 1-18-7
98 Elden L Pratt, Dean Rodney & Timothy Ray Pratt	Norma Long Beverly Ann Underwood	1-17-11
101A Ralph Paul McCutchan	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	1-18-11
102C Arnolds Creek Christian Church William J Stanley	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	1-18-9 1-18-10
104A William I Stringham & Kelly F Stringham	Edward Mullooly Robert E. Burgess, Sr. and Barbara Burgess, H/W Trustee of the Arnold's Creek Christian Church 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	1-18-8

SURFACE HOLE LOCATION (SHL)
UTM 17 NAD 83
N: 4358027.889
E: 513285.262
NAD 83, WV NORTH
N: 313753.283
E: 1587956.469
LAT/LON DATUM NAD 83
LAT: 39°21'12.944"
LON: 80°50'44.900"
LANDING POINT
UTM 17 NAD 83
N: 4355823.075
E: 513247.313
NAD 83, WV NORTH
N: 313082.930
E: 1587820.716
LAT/LON DATUM NAD 83
LAT: 39°21'08.299"
LON: 80°50'46.500"
BOTTOM HOLE LOCATION (BHL)
UTM 17 NAD 83
N: 4352578.370
E: 514425.472
NAD 83, WV NORTH
N: 302370.821
E: 1591509.198
LAT/LON DATUM NAD 83
LAT: 39°19'20.977"
LON: 80°49'57.525"

SHR 37 WELL PAD



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: SHR37OHSM
API WELL NO
47 - 095 - 02772
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
		Stephen Fox	
		Troy Fox	
		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	
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	
114	Victor Goff Stinespring, Charter D. Stinespring Victor Stinespring et ux	Sonya Rickel and Joe Rickel Jr. W/H	1-2-1 1-2-1.2
		Charlotte Bryant and Ervin Bryant, W/H	
		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	
		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, Lella Washburn, Charlene Smith and George Smith, W/H, and Barbara Thalrose and Harold Thalrose, W/H	
		Theresa Pratt	
		Sherry Lynn Quay	
115B	Gary R Furby	C. Lynn Curran	1-2-2.1
		John Clifton Dowdy	
		Terri Kathleen Corathers Arbogast	
		April Suzanne Corather Wallace	
		Joy L. Cottrill	
		Carl Jackson Smith	
		Judith Ann Gierman	
		Karin A. Reddert	
		Laura Jean Houseman	
		Michael Dale Rogers	
		Mark Allen Rogers	
		Lyle Vance Rogers	
		John Cochran	
		Steven D. Cochran	

12/17/2021

SURFACE OWNER	LESSOR	PIN
	Alan Long	
	Ryan Wendel	
	Gary Eugene Criner	
	Jeremi Lyn Criner	
	Sharon Lee Criner Griffith	
	Cinda Lou Criner Lanham	
	Jonathon L. Criner	
	Gregory M. Smith	
	Gwendolyn S. Neville	
	Catherine A. Mark	
	John W. Casto	
	Charles Larry Cottrill	
	Cindy K. White	
	Cathleen Shultz	
	Lois A. Arcuri	
	Kenneth Clinton Cottrill	
	Colin D. Goddard	
	Robert C. Goddard	
	Bonnie C. Persohn	
	Addie Marie Leadmon	
	James A. Cottrill	
	William C. Montgomery	
	Mary Lou Dawson	
	Rella M. Dawson	
	Glenn H. Montgomery	
	John C. Montgomery	
	Barbara Kay Montgomery	
	Benjaimen Jacob Criner	
	Richard P. Criner	
	Clifford Warren Montgomery	
	Tricia Lynn Howard	
	Jeffrey David Montgomery	
	Scott Eric Montgomery	
	Skylar Ora Montgomery	
	Kendra K. Wyke	
	Robert W. Pernell	
	Marilyn K. Pernell	
	Sandra L. Shirey	
	Kimberly Ann Barnes	
	Michael A. Barnes	
	Randy Lee Barnes	
	Karen Sue Kinder	
	Sherry Barker	
	Harry Griffith	
	Larry Griffith	
	Lisa Meeks	
	Connie Metz	
	Joseph Smith	
	Richard Walton and Barbara R. Walton	
	Sarah L. Albright	
	Medley Brandl	
	Sarah Bolling	
	Antero Minerals LLC	
	Clydette Sherryl Cowgar, aka Sheryl Clydette Cowgar	
	Kathleen Ann Parrish	
	Delmas McKinney and Wanda R. McKinney, H/W	
	Linda McKinney Mercer	
	Ella Ruth Walton	
	Deward Whitehair, Jr.	
	Evelyn Jean Walton Bailey	
	James L. Hitt	
	Yvonne Elizabeth Roberts, Sole Successor Trustee of the Pursglove Family Trust, dated 2/7/2000	
	Cheryl A. Hampton, fka, Cheryl A. Snyder	
	James Vincent Profaci	
	Diana Louise Pursglove	
	Beverly D. Roy fka Beverly D. Merali and Ian Roy, W/H	
	Debbie Barnes, aka Debbie Summers	
	David Parks and Carla D. Parks H/W	
	Sandra Law	
	Sonja Putnam	
	Peggy Johnson	
	Stephen M. Hiley	
	Isaac Criner	
	Chad W. Johnson	
	James W. Ebbs	
	Carole Hanlon	
	Jane Diane Burrough aka Janie Diane Burrough	

12/17/2021

API WELL NO

47 - 095 - 02772

STATE COUNTY PERMIT

SURFACE OWNER	LESSOR	PIN
	Michael Dean Walton Anita Jane Spadafora Alice M. Bull Gary Lee Walton Annette Jill Walton aka Annette Jill Naylon Jack Arnold Walton Leonard Francis Cooke Jr. Susan Lee Burns fka Susan Lee Baer James F. Baer Gregory M. Barnes Jake Brandl, aka James J. Brandl Angela Jean Garrison, fka Angela Jean Fittrow Alisa Lynn Profaci William Appleton Arlena Appleton Jared Appleton	
117 Lonnie C James	Mrs. Sylvia Wulfert, Ruby Hunt, Mr. Lynn Wulfert	1-4-6
	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 Philip 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	

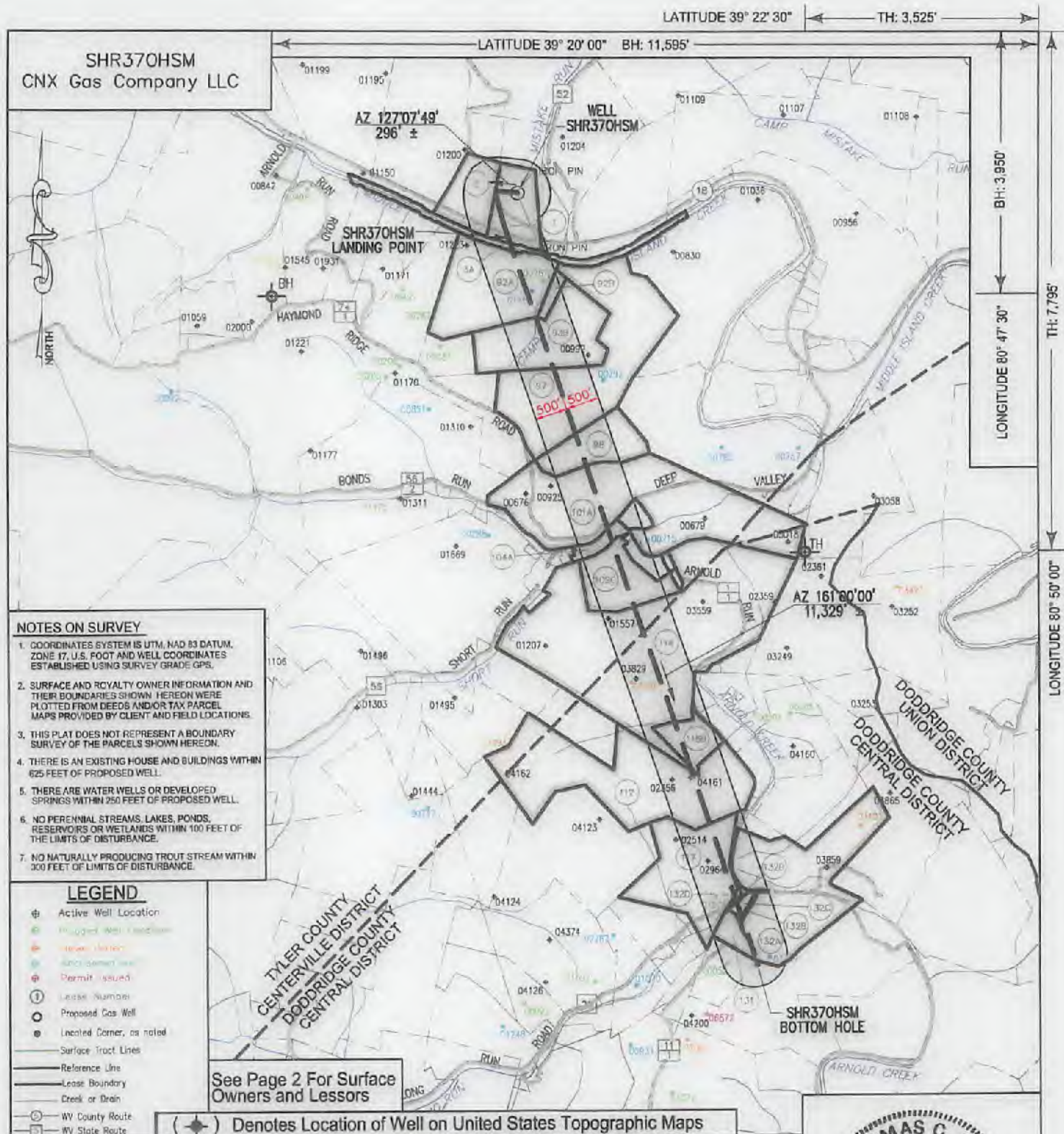
12/17/2021

	SURFACE OWNER	LESSOR	PIN
131	Carlie James	Arnold Lyle Stuart	1-4-7.1
		Katherine Foster Leggett	
		Jeffrey S. Anderson	
		Eric T. Anderson	
		Brenda J. Fulton	
		Timothy C. Philips	
		Freda B. Jones	
		Lorelei L. Phillips	
		Carolyn S. Gaston	
		Randall R. Leggett	
		Elizabeth A. Guido	
		Bernard K. Leggett	
		Eleanor F. DeLawder	
		Janice K. Snider	
		S.J.J. Leggett Family LLC	
		Jennifer L. Powers	
		Beverlee A. Grose	
		Kimberly K. Davis	
		Zadok M. Leggett	
		Kelleigh D. Beverlin	
132A	Carlie & Karen M James	Ila M. Powell, Dennis H. Powell and Mellie M. Powell, H/W	1-4-7
		Jerry L. Davis	
		Blanche Ford, widow, Blanche Ford POA for Leman L. Shinn, Thelma McCullough and Corbett McCullough her husband	
		Helen P. Buff	
		Lula L. Backus	
		Clyde M. Shinn	
		Mary Lee Scalf and Robert P. Scalf	
		Betty Jean Dinella and John Dinella, W/H	
		Roy R. Shinn and Evelyn Shinn, H/W	
		Clarence W. Mutschelknaus and Mary F. Mutschelknaus, H/W	
		Carlie James and Karen M. James, JTROS	
		Sue Ann Gillies	
132B	Carlie & Karen M James	Ila M. Powell, Dennis H. Powell and Mellie M. Powell, H/W	1-4-7
		Jerry L. Davis	
		Blanche Ford, widow, Blanche Ford POA for Leman L. Shinn, Thelma McCullough and Corbett McCullough her husband	
		Helen P. Buff	
		Lula L. Backus	
		Clyde M. Shinn	
		Mary Lee Scalf and Robert P. Scalf	
		Betty Jean Dinella and John Dinella, W/H	
		Roy R. Shinn and Evelyn Shinn, H/W	
		Clarence W. Mutschelknaus and Mary F. Mutschelknaus, H/W	
		Carlie James and Karen M. James, JTROS	
		Sue Ann Gillies	
		The West Virginia Department of Transportation, Division of Highways	
132C	Carlie & Karen M James	Ila M. Powell, Dennis H. Powell and Mellie M. Powell, H/W	1-4-7
		Jerry L. Davis	
		Blanche Ford, widow, Blanche Ford POA for Leman L. Shinn, Thelma McCullough and Corbett McCullough her husband	
		Helen P. Buff	
		Lula L. Backus	
		Clyde M. Shinn	
		Mary Lee Scalf and Robert P. Scalf	
		Betty Jean Dinella and John Dinella, W/H	
		Roy R. Shinn and Evelyn Shinn, H/W	
		Clarence W. Mutschelknaus and Mary F. Mutschelknaus, H/W	
		Carlie James and Karen M. James, JTROS	
		Sue Ann Gillies	
132D	Carlie & Karen M James	Ila M. Powell, Dennis H. Powell and Mellie M. Powell, H/W	1-4-7
		Jerry L. Davis	
		Blanche Ford, widow, Blanche Ford POA for Leman L. Shinn, Thelma McCullough and Corbett McCullough her husband	
		Helen P. Buff	
		Lula L. Backus	
		Clyde M. Shinn	
		Mary Lee Scalf and Robert P. Scalf	
		Betty Jean Dinella and John Dinella, W/H	
		Roy R. Shinn and Evelyn Shinn, H/W	
		Clarence W. Mutschelknaus and Mary F. Mutschelknaus, H/W	
		Carlie James and Karen M. James, JTROS	
		Sue Ann Gillies	

12/17/2021



API WELL NO
47 - 095 - 02172
STATE COUNTY PERMIT



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
- Plugged Well Location
- Lease Location
- Abandoned Well
- District 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

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

See Page 2 For Surface Owners and Lessors



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



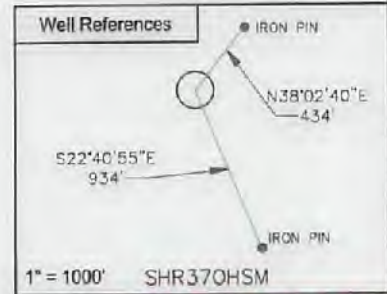
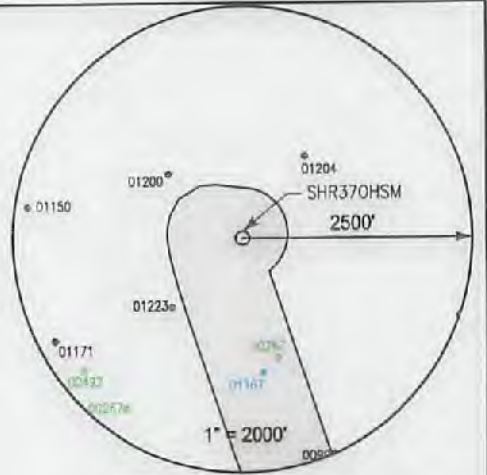
FILE NO:
DRAWING NO:
SCALE: 1" = 2000'
MINIMUM DEGREE OF ACCURACY: 1:2500
PROVEN SOURCE OF ELEVATION: SG-GPS (OPUS)



DATE: November 03 20 21
OPERATORS WELL NO: SHR370HSM
API WELL NO: 47 - 095 - 02172
STATE COUNTY PERMIT

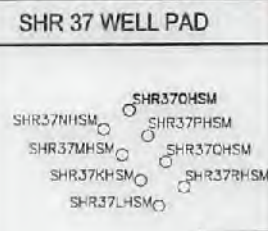
WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
LOCATION ELEVATION: 828' WATERSHED: Headwaters Middle Island Creek QUADRANGLE: West Union, WV 7.5'
DISTRICT: Centerville COUNTY: Tyler
SURFACE OWNER: CNX Gas Company LLC ACREAGE: 16.1
ROYALTY OWNER: Eleanor V. & 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

SHR370HSM
CNX Gas Company LLC



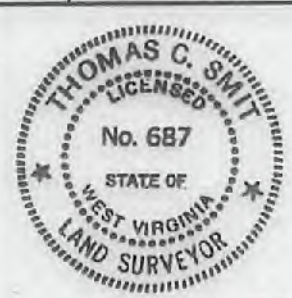
SURFACE OWNER	LESSOR	PIN
1 CNX Gas Company LLC	Nancy P. McClain and Ralph E. McClain Pursie E. Pipes and Norma J. Pipes Bradie Pipes and Goldie Pipes Georgia P. Snyder Agnes Godwin a/k/a Georgia Agnes Godwin Luella I. McConnell Clella Boice Eleanor V. Earnheart and Dean A. Earnhart Dorothy Belle Wells and Byron Wells Myrna Morgan and David Morgan	1-17-5
2 Gall Williamson	Eleanor V. Earnheart and Dean A. Earnheart, her husband 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, a/k/a Reva Rowland and Ronald Royce Rowland	1-17-6
3A West Virginia Division of Natural Resources	West Virginia Division of Natural Resources	Middle Island Creek
92A Samuel V Ash & Denise Rule	A.E. Doak and Cattle Doak	1-17-4
92B Ryan & Carrie L Davis	A.E. Doak and Cattle Doak	1-17-15.1
93B Ryan Davis & Carrie L Davis	Ansel Doak and Flora Doak, H/W Goldie McKittrick, widow	1-17-15
97 Ryan Davis & Carrie L Davis Ryan & Carrie L Davis	Pearl I. Slack	1-17-15 1-18-7
98 Elden L Pratt, Dean Rodney & Timothy Ray Pratt	Norma Long Beverly Ann Underwood	1-17-11
101A Ralph Paul McCutchan	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 29, 2001	1-18-11
102C Arnolds Creek Christian Church William J Stanley	Margaret C. Nled 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	1-18-9 1-18-10
101A William L Stringham & Kelly F Stringham	Edward Mullooly Robert E. Burgess, Sr. and Barbara Burgess, H/W Trustee of the Arnold's Creek Christian Church James Maw 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	1-18-8

SURFACE HOLE LOCATION (SHL)
UTM 17 NAD 83 N: 4356027.989 E: 513285.282
NAD 83, WV NORTH N: 313753.283 E: 1587956.469
LAT/LON DATUM NAD 83 LAT: 39°21'12.844" LON: 80°50'44.900"
LANDING POINT
UTM 17 NAD 83 N: 4356823.075 E: 513247.313
NAD 83, WV NORTH N: 313082.930 E: 1587820.716
LAT/LON DATUM NAD 83 LAT: 39°21'06.299" LON: 80°50'46.500"
BOTTOM HOLE LOCATION (BHL)
UTM 17 NAD 83 N: 4352678.370 E: 514425.472
NAD 83, WV NORTH N: 302370.821 E: 1591509.198
LAT/LON DATUM NAD 83 LAT: 39°19'20.977" LON: 80°49'57.525"



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" = 1000'
MINIMUM DEGREE OF ACCURACY:
1:2500
PROVEN SOURCE OF ELEVATION:
NGS CORS Station



DATE: November 03 20 21
OPERATORS WELL NO: SHR370HSM
API WELL NO
47 - 095 - 02772
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
		Stephen Fox	
		Troy Fox	
		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	
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	
114	Victor Goff Stinespring, Charter D. Stinespring Victor Stinespring et ux	Sonya Rickel and Joe Rickel Jr. W/H	1-2-1 1-2-1.2
		Charlotte Bryant and Ervin Bryant, W/H	
		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	
		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	
115B	Gary R Furby	C. Lynn Curran	1-2-2.1
		John Clifton Dowdy	
		Terri Kathleen Corathers Arbogast	
		April Suzanne Corather Wallace	
		Joy L. Cottrill	
		Carl Jackson Smith	
		Judith Ann Gierman	
		Karin A. Reddert	
		Laura Jean Houseman	
		Michael Dale Rogers	
		Mark Allen Rogers	
		Lyle Vance Rogers	
		John Cochran	
		Steven D. Cochran	

12/17/2021

SURFACE OWNER	LESSOR	PIN
	Alan Long	
	Ryan Wendel	
	Gary Eugene Criner	
	Jeremi Lyn Criner	
	Sharon Lee Criner Griffith	
	Cinda Lou Criner Lanham	
	Jonathon L. Criner	
	Gregory M. Smith	
	Gwendolyn S. Neville	
	Catherine A. Mark	
	John W. Casto	
	Charles Larry Cottrill	
	Cindy K. White	
	Cathleen Shultz	
	Lois A. Arcuri	
	Kenneth Clinton Cottrill	
	Colin D. Goddard	
	Robert C. Goddard	
	Bonnie C. Persohn	
	Addie Marie Leadmon	
	James A. Cottrill	
	William C. Montgomery	
	Mary Lou Dawson	
	Rella M. Dawson	
	Glenn H. Montgomery	
	John C. Montgomery	
	Barbara Kay Montgomery	
	Benjaimen Jacob Criner	
	Richard P. Criner	
	Clifford Warren Montgomery	
	Tricia Lynn Howard	
	Jeffrey David Montgomery	
	Scott Eric Montgomery	
	Skylar Ora Montgomery	
	Kendra K. Wyke	
	Robert W. Pernell	
	Marilyn K. Pernell	
	Sandra L. Shirey	
	Kimberly Ann Barnes	
	Michael A. Barnes	
	Randy Lee Barnes	
	Karen Sue Kinder	
	Sherry Barker	
	Harry Griffith	
	Larry Griffith	
	Lisa Meeks	
	Connie Metz	
	Joseph Smith	
	Richard Walton and Barbara R. Walton	
	Sarah L. Albright	
	Medley Brandl	
	Sarah Bolling	
	Antero Minerals LLC	
	Clydette Sherryl Cowgar, aka Sheryl Clydette Cowgar	
	Kathleen Ann Parrish	
	Delmas McKinney and Wanda R. McKinney, H/W	
	Linda McKinney Mercer	
	Ella Ruth Walton	
	Deward Whitehair, Jr.	
	Evelyn Jean Walton Bailey	
	James L. Hitt	
	Yvonne Elizabeth Roberts, Sole Successor Trustee of the Pursglove Family Trust, dated 2/7/2000	
	Cheryl A. Hampton, fka, Cheryl A. Snyder	
	James Vincent Profaci	
	Diana Louise Pursglove	
	Beverly D. Roy fka Beverly D. Merali and Ian Roy, W/H	
	Debbie Barnes, aka Debbie Summers	
	David Parks and Carla D. Parks H/W	
	Sandra Law	
	Sonja Putnam	
	Peggy Johnson	
	Stephen M. Hiley	
	Isaac Criner	
	Chad W. Johnson	
	James W. Ebbs	
	Carole Hanlon	
	Jane Diane Burrough aka Janie Diane Burrough	

12/17/2021

	SURFACE OWNER	LESSOR	PIN
		Michael Dean Walton	
		Anita Jane Spadafora	
		Alice M. Bull	
		Gary Lee Walton	
		Annette Jill Walton aka Annette Jill Naylon	
		Jack Arnold Walton	
		Leonard Francis Cooke Jr.	
		Susan Lee Burns fka Susan Lee Baer	
		James F. Baer	
		Gregory M. Barnes	
		Jake Brandl, aka James J. Brandl	
		Angela Jean Garrison, fka Angela Jean Fittrow	
		Alisa Lynn Profaci	
		William Appleton	
		Arlena Appleton	
		Jared Appleton	
117	Lonnie C James	Mrs. Sylvia Wulfert, Ruby Hunt, Mr. Lynn Wulfert	1-4-6
		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

	SURFACE OWNER	LESSOR	PIN
131	Carlie James	Arnold Lyle Stuart Katherine Foster Leggett Jeffrey S. Anderson Eric T. Anderson Brenda J. Fulton Timothy C. Philips Freda B. Jones Lorelei L. Phillips Carolyn S. Gaston Randall R. Leggett Elizabeth A. Guido Bernard K. Leggett Eleanor F. DeLawder Janice K. Snider S.J.J. Leggett Family LLC Jennifer L. Powers Beverlee A. Grose Kimberly K. Davis Zadok M. Leggett Kelleigh D. Beverlin	1-4-7.1
132A	Carlie & Karen M James	Ila M. Powell, Dennis H. Powell and Mellie M. Powell, H/W Jerry L. Davis Blanche Ford, widow, Blanche Ford POA for Leman L. Shinn, Thelma McCullough and Corbett McCullough her husband Helen P. Buff Lula L. Backus Clyde M. Shinn Mary Lee Scalf and Robert P. Scalf Betty Jean Dinella and John Dinella, W/H Roy R. Shinn and Evelyn Shinn, H/W Clarence W. Mutschelknaus and Mary F. Mutschelknaus, H/W Carlie James and Karen M. James, JTROS Sue Ann Gillies	1-4-7
132B	Carlie & Karen M James	Ila M. Powell, Dennis H. Powell and Mellie M. Powell, H/W Jerry L. Davis Blanche Ford, widow, Blanche Ford POA for Leman L. Shinn, Thelma McCullough and Corbett McCullough her husband Helen P. Buff Lula L. Backus Clyde M. Shinn Mary Lee Scalf and Robert P. Scalf Betty Jean Dinella and John Dinella, W/H Roy R. Shinn and Evelyn Shinn, H/W Clarence W. Mutschelknaus and Mary F. Mutschelknaus, H/W Carlie James and Karen M. James, JTROS Sue Ann Gillies The West Virginia Department of Transportation, Division of Highways	1-4-7
132C	Carlie & Karen M James	Ila M. Powell, Dennis H. Powell and Mellie M. Powell, H/W Jerry L. Davis Blanche Ford, widow, Blanche Ford POA for Leman L. Shinn, Thelma McCullough and Corbett McCullough her husband Helen P. Buff Lula L. Backus Clyde M. Shinn Mary Lee Scalf and Robert P. Scalf Betty Jean Dinella and John Dinella, W/H Roy R. Shinn and Evelyn Shinn, H/W Clarence W. Mutschelknaus and Mary F. Mutschelknaus, H/W Carlie James and Karen M. James, JTROS Sue Ann Gillies	1-4-7
132D	Carlie & Karen M James	Ila M. Powell, Dennis H. Powell and Mellie M. Powell, H/W Jerry L. Davis Blanche Ford, widow, Blanche Ford POA for Leman L. Shinn, Thelma McCullough and Corbett McCullough her husband Helen P. Buff Lula L. Backus Clyde M. Shinn Mary Lee Scalf and Robert P. Scalf Betty Jean Dinella and John Dinella, W/H Roy R. Shinn and Evelyn Shinn, H/W Clarence W. Mutschelknaus and Mary F. Mutschelknaus, H/W Carlie James and Karen M. James, JTROS Sue Ann Gillies	1-4-7

12/17/2021



API WELL NO
47 - 095 - 02172
STATE COUNTY PERMIT

WW-6A1
(5/13)

Operator's Well No. SHR37OHSM

**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				

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

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

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

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

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

Well Operator: CNX GAS COMPANY LLC
 By: Sarah Weigand *Sarah Weigand*
 Its: Manager Upstream Permitting

Tract ID	Tax Map & Parcel	Title Opinion QLS #	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
			EXCO Resources (WV), Inc.	EXCO Resources (WV), LLC, BG Production Company (WV), LLC, and EXCO Resources (PA), LLC	Assignment	374/808
			EXCO Resources (WV), LLC	EXCO Production Company (WV), LLC	Name Change	WVSOS
			EXCO Production Company (WV), LLC, BG Production Company (WV), LLC and EXCO Resources (PA), LLC	Antero Resources Appalachian Corporation	Assignment	406/195
			Antero Resources Appalachian Corporation	Antero Resources Corporation	Name Change	WVSOS
			Antero Resources Corporation	CNX Gas Company LLC and Noble Energy, Inc.	Assignment	433/7
			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
97	1-17; 1-18, Parcels 15; 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
Tract ID	Tax Map & Parcel	Title Opinion QLS #	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
93B	1-17, Parcel 15	265336000	Ansel Doak and Flora Doak, h/w Goldie McKittrick, widow	Dorsey Duty and R. H. Duty	Not less than 1/8	190/460
			R. H. Duty, d/b/a Duty Oil 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 Viro	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
Tract ID	Tax Map & Parcel	Title Opinion QLS #	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
98	1-17, P/O Parcel 11	271982000	Beverly Ann Underwood	Noble Energy, Inc.	Not less than 1/8	488/390
			Barbara McClain	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
			Shari 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
			Randal 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 19, 2001	CNX Gas Company LLC	Not less than 1/8	121/463
Tract ID	Tax Map & Parcel	Title Opinion QLS #	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
101A	1-18, P/O Parcel 11	271990000	Margaret C. Nield	Antero Resources Corporation	Not less than 1/8	603/744
			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	209/335
			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, Exxonmobil Oil Corporation, Mobil Producing Texas & New Mexico Inc., Mobile Oil Exploration and Producing Southeast Inc., and Mobile Exploration and Producing North American Inc.	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
Tract ID	Tax Map & Parcel	Title Opinion QLS #	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
104A	1-18, Parcel 8	293623000	James Merr Southern and Penny G. Southern, h/w	CNX Gas Company LLC	Not less than 1/8	66/275
			Ronald J. McBeo	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	44/796
			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 McClain	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	Not less than 1/8	134/121
			Charles H. Bower, Jr.	CNX Gas Company LLC	Not less than 1/8	134/121
			Desolyn Florence Doak	CNX Gas Company LLC	Not less than 1/8	134/121
			Brenda S. Ryan	CNX Gas Company LLC	Not less than 1/8	134/121
			John Paladino	CNX Gas Company LLC	Not less than 1/8	134/121
Tract ID	Tax Map & Parcel	Title Opinion QIS #	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
102C	1-1B, P/O Parcel 9 and 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 QIS #	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
11A	1-2, Parcel 1 and 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
			Robert F. Pratt and Glenna Z. Pratt, h/w	Clarence W. Mutschelknaus	Not less than 1/8	141/35
			Kenerth 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
			Jean Cole and Robert L. Cole, w/h	Clarence W. Mutschelknaus	Not less than 1/8	140/488
			Dorothy 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 McBea and Robert McBea, w/h	Clarence W. Mutschelknaus	Not less than 1/8	141/19
			Sherry Lynn Quay	Clarence W. Mutschelknaus	Not less than 1/8	149/667
			Karen V. Meiter and Robert Lynn Meiter, 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
			Ina 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	141/188
			Vonda Wagner	Clarence W. Mutschelknaus	Not less than 1/8	140/764
			Janice Phelps and Harry Phelps, w/h	Clarence W. Mutschelknaus	Not less than 1/8	141/31
			Wayne Keller and Peggy Keller, h/w, a/k/a Wayne Keller and Margaret H. Keller, 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
			Ruth M. Hubbard	Clarence W. Mutschelknaus	Not less than 1/8	141/29
			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
			Garrett G. Pyles	Clarence W. Mutschelknaus	Not less than 1/8	140/496
			Theresa Pratt	Clarence W. Mutschelknaus	Not less than 1/8	140/368
			Beverly Delancey and Eleanor Knight and Stanford Knight, w/h and James W. Ash and Hazel Ash, h/w, Lella Washburn, Charlene Smith and George Smith, w/h, and Barbara Thairose and Harold Thairose, w/h	Clarence W. Mutschelknaus	Not less than 1/8	140/757
			Clarence W. Mutschelknaus	Antero Resources Corporation	Assignment	322/275
			Antero Resources Corporation	CNX Gas Company LLC	Assignment	481/395
Tract ID	Tax Map & Parcel	Title Opinion QIS #	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
115B	1-2, P/O Parcel 2.1	293587000	C. Lynn Curran	Antero Resources Corporation	Not less than 1/8	442/199
			John Clifton Dowdy	Antero Resources Corporation	Not less than 1/8	420/67
			Terri Kathleen Corethers Arbogast	Antero Resources Corporation	Not less than 1/8	421/535
			April Suzanne Corether Wallace	Antero Resources Corporation	Not less than 1/8	421/393
			Joy L. Cottrill	Antero Resources Corporation	Not less than 1/8	421/310
			Carl Jackson Smith	Antero Resources Corporation	Not less than 1/8	473/182
			Judith Ann Glerman	Antero Resources Corporation	Not less than 1/8	473/177
			Karin A. Reddert	Antero Resources Corporation	Not less than 1/8	421/288
			Laura Jean Houseman	Antero Resources Corporation	Not less than 1/8	441/122
			Michael Dale Rogers	Antero Resources Corporation	Not less than 1/8	426/402
			Mark Allen Rogers	Antero Resources Corporation	Not less than 1/8	427/595
			Lyla Vencó Rogers	Antero Resources Corporation	Not less than 1/8	429/357
			John Cochran	Antero Resources Corporation	Not less than 1/8	419/37
			Steven D. Cochran	Antero Resources Corporation	Not less than 1/8	420/649
			Alan Long	Antero Resources Corporation	Not less than 1/8	472/619

	Ryan Wendel	Antero Resources Corporation	Not less than 1/8	474/76
	Gary Eugene Criner	Antero Resources Corporation	Not less than 1/8	417/16
	Jeremi Lyn Criner	Antero Resources Corporation	Not less than 1/8	420/195
	Sharon Lee Criner Griffith	Antero Resources Corporation	Not less than 1/8	420/501
	Cinda Lou Criner Lanham	Antero Resources Corporation	Not less than 1/8	420/506
	Jonathon L. Criner	Antero Resources Corporation	Not less than 1/8	428/11
	Gregory M. Smith	Antero Resources Corporation	Not less than 1/8	474/71
	Gwendolyn S. Neville	Antero Resources Corporation	Not less than 1/8	475/11
	Catherine A. Mark	Antero Resources Corporation	Not less than 1/8	441/342
	John W. Casto	Antero Resources Corporation	Not less than 1/8	441/345
	Charles Larry Cottrill	Antero Resources Corporation	Not less than 1/8	419/591
	Cindy K. White	Antero Resources Corporation	Not less than 1/8	419/594
	Cathleen Shultz	Antero Resources Corporation	Not less than 1/8	419/597
	Lols A. Arcuri	Antero Resources Corporation	Not less than 1/8	419/600
	Kenneth Clinton Cottrill	Antero Resources Corporation	Not less than 1/8	419/603
	Colin D. Goddard	Antero Resources Corporation	Not less than 1/8	421/289
	Robert C. Goddard	Antero Resources Corporation	Not less than 1/8	421/277
	Bonnie C. Persohn	Antero Resources Corporation	Not less than 1/8	423/160
	Addie Marie Leadmon	Antero Resources Corporation	Not less than 1/8	425/388
	James A. Cottrill	Antero Resources Corporation	Not less than 1/8	438/622
	William C. Montgomery	Antero Resources Corporation	Not less than 1/8	420/652
	Mary Lou Dawson	Antero Resources Corporation	Not less than 1/8	421/304
	Rella M. Dawson	Antero Resources Corporation	Not less than 1/8	421/307
	Glenn H. Montgomery	Antero Resources Corporation	Not less than 1/8	421/283
	John C. Montgomery	Antero Resources Corporation	Not less than 1/8	421/301
	Barbara Kay Montgomery	Antero Resources Corporation	Not less than 1/8	425/303
	Benjamin Jacob Criner	Antero Resources Corporation	Not less than 1/8	420/491
	Richard P. Criner	Antero Resources Corporation	Not less than 1/8	427/600
	Gifford Warren Montgomery	Antero Resources Corporation	Not less than 1/8	422/435
	Tricia Lynn Howard	Antero Resources Corporation	Not less than 1/8	408/273
	Jeffrey David Montgomery	Antero Resources Corporation	Not less than 1/8	408/311
	Scott Eric Montgomery	Antero Resources Corporation	Not less than 1/8	408/307
	Skyler Ora Montgomery	Antero Resources Corporation	Not less than 1/8	407/403
	Kendra K. Wyko	Antero Resources Corporation	Not less than 1/8	417/104
	Robert W. Pennell	Antero Resources Corporation	Not less than 1/8	412/84
	Marilyn K. Pennell	Antero Resources Corporation	Not less than 1/8	412/472
	Sandra L. Shirey	Antero Resources Corporation	Not less than 1/8	414/42
	Kimberly Ann Barnes	Antero Resources Corporation	Not less than 1/8	400/177
	Michael A. Barnes	Antero Resources Corporation	Not less than 1/8	400/182
	Randy Lee Barnes	Antero Resources Corporation	Not less than 1/8	400/187
	Waren Sue Kinder	Antero Resources Corporation	Not less than 1/8	406/166
	Sherry Barker	Antero Resources Corporation	Not less than 1/8	406/268
	Harry Griffith	Antero Resources Corporation	Not less than 1/8	407/602
	Larry Griffith	Antero Resources Corporation	Not less than 1/8	407/597
	Lisa Meeks	Antero Resources Corporation	Not less than 1/8	407/592
	Connie Metz	Antero Resources Corporation	Not less than 1/8	408/282
	Joseph Smith	Antero Resources Corporation	Not less than 1/8	477/297
	Richard Walton and Barbara R. Walton	Antero Resources Corporation	Not less than 1/8	477/292
	Sarah L. Albright	Antero Resources Corporation	Not less than 1/8	477/287
	Medley Brandt	Antero Resources Corporation	Not less than 1/8	401/189
	Sarah Bolling	Antero Resources Corporation	Not less than 1/8	400/247
	Antero Minerals LLC	Antero Resources Corporation	Not less than 1/8	494/220
	Antero Resources Corporation	CNX Gas Company LLC	Assignment	481/395
	Antero Resources Corporation	CNX Gas Company LLC	Assignment	497/92
	Cydette Sheryl Cowgar, a/k/a Sheryl Cydette Cowgar	CNX Gas Company LLC	Not less than 1/8	493/156
	Kathleen Ann Parrish	CNX Gas Company LLC	Not less than 1/8	494/556
	Delmas McKinney and Wanda R. McKinney, h/w	CNX Gas Company LLC	Not less than 1/8	494/701
	Linda McKinney Mercer	CNX Gas Company LLC	Not less than 1/8	494/706
	Ella Ruth Walton	CNX Gas Company LLC	Not less than 1/8	493/321
	Edward Whitehair, Jr.	CNX Gas Company LLC	Not less than 1/8	496/190
	Evelyn Jean Walton Bailey	CNX Gas Company LLC	Not less than 1/8	497/282
	James L. Hitt	CNX Gas Company LLC	Not less than 1/8	497/192
	Yvonne Elizabeth Roberts, Sole Successor Trustee of the Pursglove Family Trust, dated 2/7/2000	CNX Gas Company LLC	Not less than 1/8	496/590
	Cheryl A. Hampton, f/k/a, Cheryl A. Snyder	CNX Gas Company LLC	Not less than 1/8	497/475
	James Vincent Profad	CNX Gas Company LLC	Not less than 1/8	497/37
	Diana Louise Pursglove	CNX Gas Company LLC	Not less than 1/8	496/195
	Beverly D. Roy f/k/a Beverly D. Merali and Ian Roy, w/h	CNX Gas Company LLC	Not less than 1/8	497/465
	Debbie Barnes, a/k/a Debbie Summers	CNX Gas Company LLC	Not less than 1/8	497/356
	David Parks and Carla D. Parks h/w	CNX Gas Company LLC	Not less than 1/8	497/480
	Sandra Lew	CNX Gas Company LLC	Not less than 1/8	497/470
	Sonja Putnam	CNX Gas Company LLC	Not less than 1/8	497/356
	Peggy Johnson	CNX Gas Company LLC	Not less than 1/8	497/361
	Stephen M. Hiley	CNX Gas Company LLC	Not less than 1/8	497/456
	Isaac Criner	CNX Gas Company LLC	Not less than 1/8	498/337
	Chad W. Johnson	CNX Gas Company LLC	Not less than 1/8	497/566
	James W. Ebbs	CNX Gas Company LLC	Not less than 1/8	498/188
	Carole Hankon	CNX Gas Company LLC	Not less than 1/8	498/238
	Jane Diane Burrough a/k/a Janie Diane Burrough	CNX Gas Company LLC	Not less than 1/8	497/351
	Michael Dean Walton	CNX Gas Company LLC	Not less than 1/8	497/639
	Anita Jane Spadafora	CNX Gas Company LLC	Not less than 1/8	497/526
	Alice M. Bull	CNX Gas Company LLC	Not less than 1/8	497/485
	Gary Lee Walton	CNX Gas Company LLC	Not less than 1/8	498/307
	Annette Jill Walton a/k/a Annette Jill Nayton	CNX Gas Company LLC	Not less than 1/8	498/312
	Jack Arnold Walton	CNX Gas Company LLC	Not less than 1/8	498/252
	Leonard Francis Cooks Jr.	CNX Gas Company LLC	Not less than 1/8	62/145
	Susan Lee Burns f/k/a Susan Lee Baer	CNX Gas Company LLC	Not less than 1/8	62/145
	James F. Baer	CNX Gas Company LLC	Not less than 1/8	62/145
	Gregory M. Barnes	CNX Gas Company LLC	Not less than 1/8	62/145
	Jake Brandt, a/h/a James J. Brandt	CNX Gas Company LLC	Not less than 1/8	62/145
	Angela Jean Garrison, f/h/a Angela Jean Fitzrow	CNX Gas Company LLC	Not less than 1/8	62/145
	Alisa Lynn Profad	CNX Gas Company LLC	Not less than 1/8	62/145
	William Appleton	CNX Gas Company LLC	Not less than 1/8	62/145
	Arlena Appleton	CNX Gas Company LLC	Not less than 1/8	62/145
	Jared Appleton	CNX Gas Company LLC	Not less than 1/8	62/145

Traffic ID	Tax Map & Parcel	Title Opinion QLS #	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
112	1-2, Parcel 5	293580000	Little 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, u/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
			Petroleum Services, Inc.	Summer Gas Associates 78-2	Assignment	175/533
			Summer Gas Associates 78-2	Frontier Energy Corporation	Affidavit	175/490
			Petro-Enterprises, Inc., Burning Springs Gas Development Program 1977, Burning Springs Gas Development Program II, Burning Spring Gas Development Program - 1978; and Petro Energy Drilling - 1979	Frontier Energy Corporation	Assignment	175/498
			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	WVS05
			Antero Resources Corporation	CNX Gas Company LLC	Assignment	481/395
117	1-4, Parcel 6	293582000	Mrs. Sylvia Wulfert, Ruby Hunt, Mr. Lyma 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	WVS05
			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
			Antero Resources Corporation	CNX Gas Company LLC	Assignment	481/395
			Antero Resources Corporation	CNX Gas Company LLC	Assignment	497/92
			Donald Reynolds, a/k/a Donald R. Reynolds	CNX Gas Company LLC	Not less than 1/8	76/213
			Ronald Glenn Hurst	CNX Gas Company LLC	Not less than 1/8	496/575
			James Lee Hurst, Sr.	CNX Gas Company LLC	Not less than 1/8	496/568
			Pamela Sue Summers	CNX Gas Company LLC	Not less than 1/8	497/197
			Kathy Mae Fenstermaker	CNX Gas Company LLC	Not less than 1/8	497/186
			David Leroy Gray	CNX Gas Company LLC	Not less than 1/8	497/203
			David Charles Hurst	CNX Gas Company LLC	Not less than 1/8	497/58
			Westlake Energy Partners, LLC	CNX Gas Company LLC	Not less than 1/8	495/505
			Cynthia Gray	CNX Gas Company LLC	Not less than 1/8	497/52
			Linda Sue Osendine	CNX Gas Company LLC	Not less than 1/8	497/64
			Tina Hurst	CNX Gas Company LLC	Not less than 1/8	497/422
			Kitty Ann Sams	CNX Gas Company LLC	Not less than 1/8	497/557
			Catherine L. Snider	CNX Gas Company LLC	Not less than 1/8	497/634
			Barbara L. Wilson	CNX Gas Company LLC	Not less than 1/8	498/72
			Aumix Acquisition Fund, LLC	CNX Gas Company LLC	Not less than 1/8	497/309
			Harold Wayne Hurst, a/k/a H. Wayne Hurst	CNX Gas Company LLC	Not less than 1/8	498/11
			Rodney Gale Smith	CNX Gas Company LLC	Not less than 1/8	498/95
			Sandra S. DiGiacobbe f/k/a Sandra S. Hurst and Ronald D. DiGiacobbe, w/h	CNX Gas Company LLC	Not less than 1/8	498/257
			Angela Fay Miller	CNX Gas Company LLC	Not less than 1/8	498/287
			Rebecca Ann Goff	CNX Gas Company LLC	Not less than 1/8	498/292
			Stephen Duane Jackson	CNX Gas Company LLC	Not less than 1/8	498/297
			Jeffery Allen Hurst	CNX Gas Company LLC	Not less than 1/8	498/302
			Richard Duane Hurst	CNX Gas Company LLC	Not less than 1/8	498/347
			Ed Broome, Inc.	CNX Gas Company LLC	Not less than 1/8	497/709
			Gwendalyn Rae Swartzfager f/k/a Gwendalyn Rae Ross	CNX Gas Company LLC	Not less than 1/8	498/322
			Mark Allen Jackson and Andrea Jackson, h/w	CNX Gas Company LLC	Not less than 1/8	498/327
			Jennifer Lee Harris	CNX Gas Company LLC	Not less than 1/8	498/317
			Jack Lee Smith and Cyndi Smith, h/w	CNX Gas Company LLC	Not less than 1/8	498/247
			Norman L. Jackson	CNX Gas Company LLC	Not less than 1/8	498/332
			Annette N. Davis and David A. Davis	CNX Gas Company LLC	Not less than 1/8	487/389
			Ruth Ann Nicholson	CNX Gas Company LLC	Not less than 1/8	488/505
			Maria Alexandrovna Stihary a/k/a Maria Alexandrovna Standafer	CNX Gas Company LLC	Not less than 1/8	62/142
			Warren Scott Standafer Testamentary Trust	CNX Gas Company LLC	Not less than 1/8	62/142
			Michael Keith Gearhart	CNX Gas Company LLC	Not less than 1/8	62/142
			Brian Philip Gearhart	CNX Gas Company LLC	Not less than 1/8	62/142
			Joseph Edward Gearhart	CNX Gas Company LLC	Not less than 1/8	62/142
			Jason Alan Gearhart	CNX Gas Company LLC	Not less than 1/8	62/142
			Melanie Faith Gearhart	CNX Gas Company LLC	Not less than 1/8	62/142
			Donald Wayne Hurst, Jr.	CNX Gas Company LLC	Not less than 1/8	62/142
			Vicki Dean a/k/a Vicki Darlene Kriner	CNX Gas Company LLC	Not less than 1/8	62/142
			Glenn Richard Gray	CNX Gas Company LLC	Not less than 1/8	62/142
			Bruce Patrick Smith	CNX Gas Company LLC	Not less than 1/8	62/142
			Jamie Lynn Munn	CNX Gas Company LLC	Not less than 1/8	62/142
			Larry Arden Hurst	CNX Gas Company LLC	Not less than 1/8	62/142
			Donald Allen Hurst	CNX Gas Company LLC	Not less than 1/8	62/142

	Ryan Wendel	Antero Resources Corporation	Not less than 1/8	474/76
	Gary Eugene Criner	Antero Resources Corporation	Not less than 1/8	417/16
	Jeremi Lyn Criner	Antero Resources Corporation	Not less than 1/8	420/195
	Sharon Lee Criner Griffith	Antero Resources Corporation	Not less than 1/8	420/501
	Cinda Lou Criner Lanham	Antero Resources Corporation	Not less than 1/8	420/506
	Jonathon L. Criner	Antero Resources Corporation	Not less than 1/8	428/11
	Gregory M. Smith	Antero Resources Corporation	Not less than 1/8	474/71
	Gwendolyn S. Neville	Antero Resources Corporation	Not less than 1/8	475/11
	Catherine A. Mark	Antero Resources Corporation	Not less than 1/8	441/342
	John W. Casto	Antero Resources Corporation	Not less than 1/8	441/345
	Charles Larry Cottrill	Antero Resources Corporation	Not less than 1/8	419/591
	Cindy K. White	Antero Resources Corporation	Not less than 1/8	419/594
	Cathleen Shultz	Antero Resources Corporation	Not less than 1/8	419/597
	Lobs A. Arcuri	Antero Resources Corporation	Not less than 1/8	419/600
	Kenneth Clinton Cottrill	Antero Resources Corporation	Not less than 1/8	419/603
	Collin D. Goddard	Antero Resources Corporation	Not less than 1/8	421/289
	Robert C. Goddard	Antero Resources Corporation	Not less than 1/8	421/277
	Bonnie C. Persohn	Antero Resources Corporation	Not less than 1/8	422/160
	Addie Marie Leadmon	Antero Resources Corporation	Not less than 1/8	428/388
	James A. Cottrill	Antero Resources Corporation	Not less than 1/8	438/622
	William C. Montgomery	Antero Resources Corporation	Not less than 1/8	420/652
	Mary Lou Dawson	Antero Resources Corporation	Not less than 1/8	421/304
	Rella M. Dawson	Antero Resources Corporation	Not less than 1/8	421/307
	Glenn H. Montgomery	Antero Resources Corporation	Not less than 1/8	421/283
	John C. Montgomery	Antero Resources Corporation	Not less than 1/8	421/301
	Barbara Kay Montgomery	Antero Resources Corporation	Not less than 1/8	425/303
	Benjamin Jacob Criner	Antero Resources Corporation	Not less than 1/8	420/491
	Richard P. Criner	Antero Resources Corporation	Not less than 1/8	427/600
	Clifford Warren Montgomery	Antero Resources Corporation	Not less than 1/8	422/435
	Tricia Lynn Howard	Antero Resources Corporation	Not less than 1/8	408/273
	Jeffrey David Montgomery	Antero Resources Corporation	Not less than 1/8	408/311
	Scott Eric Montgomery	Antero Resources Corporation	Not less than 1/8	408/307
	Skyler Ora Montgomery	Antero Resources Corporation	Not less than 1/8	407/403
	Kendra K. Wyka	Antero Resources Corporation	Not less than 1/8	417/104
	Robert W. Pernel	Antero Resources Corporation	Not less than 1/8	412/84
	Marilyn K. Pernel	Antero Resources Corporation	Not less than 1/8	412/472
	Sandra L. Shrey	Antero Resources Corporation	Not less than 1/8	414/42
	Kimberly Ann Barnes	Antero Resources Corporation	Not less than 1/8	400/177
	Michael A. Barnes	Antero Resources Corporation	Not less than 1/8	400/182
	Randy Lee Barnes	Antero Resources Corporation	Not less than 1/8	400/187
	Karen Sue Kinder	Antero Resources Corporation	Not less than 1/8	406/155
	Sherry Barker	Antero Resources Corporation	Not less than 1/8	405/268
	Harry Griffith	Antero Resources Corporation	Not less than 1/8	407/602
	Larry Griffith	Antero Resources Corporation	Not less than 1/8	407/597
	Lisa Meeks	Antero Resources Corporation	Not less than 1/8	407/592
	Connie Metz	Antero Resources Corporation	Not less than 1/8	408/282
	Joseph Smith	Antero Resources Corporation	Not less than 1/8	477/297
	Richard Walton and Barbara R. Walton	Antero Resources Corporation	Not less than 1/8	477/292
	Sarah L. Albright	Antero Resources Corporation	Not less than 1/8	477/287
	Medley Brandl	Antero Resources Corporation	Not less than 1/8	401/189
	Sarah Boiling	Antero Resources Corporation	Not less than 1/8	400/247
	Antero Minerals LLC	Antero Resources Corporation	Not less than 1/8	484/220
	Antero Resources Corporation	CNX Gas Company LLC	Assignment	481/395
	Antero Resources Corporation	CNX Gas Company LLC	Assignment	497/92
	Chydette Sherry Cowgar, a/k/a Sheryl Chydette Cowgar	CNX Gas Company LLC	Not less than 1/8	493/166
	Kathleen Ann Parrish	CNX Gas Company LLC	Not less than 1/8	484/556
	Delmas McKinney and Wanda R. McKinney, h/w	CNX Gas Company LLC	Not less than 1/8	494/701
	Linda McKinney Mercer	CNX Gas Company LLC	Not less than 1/8	494/706
	Ella Ruth Walton	CNX Gas Company LLC	Not less than 1/8	493/321
	Deward Whitehair, Jr.	CNX Gas Company LLC	Not less than 1/8	496/190
	Evelyn Jean Walton Bailey	CNX Gas Company LLC	Not less than 1/8	497/282
	James L. Hitt	CNX Gas Company LLC	Not less than 1/8	497/192
	Ivonne Elizabeth Roberts, Sole Successor Trustee of the Pursglove Family Trust, dated 2/7/2000	CNX Gas Company LLC	Not less than 1/8	496/590
	Cheryl A. Hampton, f/k/a Cheryl A. Snyder	CNX Gas Company LLC	Not less than 1/8	497/475
	James Vincent Profacl	CNX Gas Company LLC	Not less than 1/8	497/37
	Diana Louise Pursglove	CNX Gas Company LLC	Not less than 1/8	496/195
	Beverly D. Roy f/k/a Beverly D. Merali and Ian Roy, w/h	CNX Gas Company LLC	Not less than 1/8	497/465
	Debbie Barnes, a/k/a Debbie Summers	CNX Gas Company LLC	Not less than 1/8	497/356
	David Parks and Carla D. Parks h/w	CNX Gas Company LLC	Not less than 1/8	497/480
	Sandra Law	CNX Gas Company LLC	Not less than 1/8	497/470
	Sonja Putnam	CNX Gas Company LLC	Not less than 1/8	497/356
	Peggy Johnson	CNX Gas Company LLC	Not less than 1/8	497/361
	Stephen M. Hiley	CNX Gas Company LLC	Not less than 1/8	497/456
	Isaac Criner	CNX Gas Company LLC	Not less than 1/8	498/337
	Chad W. Johnson	CNX Gas Company LLC	Not less than 1/8	497/566
	James W. Ebbs	CNX Gas Company LLC	Not less than 1/8	498/148
	Carole Hanlon	CNX Gas Company LLC	Not less than 1/8	498/238
	Jane Diane Burrough a/k/a Janie Diane Burrough	CNX Gas Company LLC	Not less than 1/8	497/351
	Michael Dean Walton	CNX Gas Company LLC	Not less than 1/8	497/639
	Antita Jane Spadafora	CNX Gas Company LLC	Not less than 1/8	497/526
	Alice M. Bull	CNX Gas Company LLC	Not less than 1/8	497/485
	Gary Lee Walton	CNX Gas Company LLC	Not less than 1/8	498/307
	Annette Jill Walton a/k/a Annette Jill Naylon	CNX Gas Company LLC	Not less than 1/8	498/312
	Jack Arnold Walton	CNX Gas Company LLC	Not less than 1/8	498/252
	Leonard Francis Cooke Jr.	CNX Gas Company LLC	Not less than 1/8	62/145
	Susan Lee Burns f/k/a Susan Lee Baer	CNX Gas Company LLC	Not less than 1/8	62/145
	James F. Baer	CNX Gas Company LLC	Not less than 1/8	62/145
	Gregory M. Barnes	CNX Gas Company LLC	Not less than 1/8	62/145
	Jako Brandl, a/k/a James J. Brandl	CNX Gas Company LLC	Not less than 1/8	62/145
	Angela Jean Garrison, f/k/a Angela Jean Fitrow	CNX Gas Company LLC	Not less than 1/8	62/145
	Alisa Lynn Profacl	CNX Gas Company LLC	Not less than 1/8	62/145
	William Appleton	CNX Gas Company LLC	Not less than 1/8	62/145
	Arlena Appleton	CNX Gas Company LLC	Not less than 1/8	62/145
	Jared Appleton	CNX Gas Company LLC	Not less than 1/8	62/145

Tract ID	Tax Map & Parcel	Title Opinion QLS #	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
112	1-2, Parcel 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. Burko Morris, u/a dtd. 8/25/1966	Petroleum Services, Inc.	Not less than 1/8	107/677
			Petroleum Services, Inc.	Summer Gas Associates 78-2	Assignment	108/446
			Petroleum Services, Inc.	Summer Gas Associates 78-2	Assignment	175/533
			Summer Gas Associates 78-2	Frontier Energy Corporation	Affidavit	175/490
			Petro-Enterprises, Inc., Burning Springs Gas Development Program 1977, Burning Springs Gas Development Program II, Burning Spring Gas Development Program - 1978; and Petro Energy Drilling - 1979	Frontier Energy Corporation	Assignment	175/498
			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	WV505
Antero Resources Corporation	CNX Gas Company LLC	Assignment	481/395			
117	1-4, Parcel 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.B. 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	WV505
Antero Resources Corporation	CNX Gas Company LLC	Assignment	481/395			
Ardenna Kay Rlenstra	Antero Resources Corporation	Not less than 1/8	417/6			
EKG 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	443/284			
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			
Antero Resources Corporation	CNX Gas Company LLC	Assignment	481/395			
Antero Resources Corporation	CNX Gas Company LLC	Assignment	497/92			
Donald Reynolds, a/k/a Donald R. Reynolds	CNX Gas Company LLC	Not less than 1/8	76/213			
Ronald Glenn Hurst	CNX Gas Company LLC	Not less than 1/8	496/575			
James Lee Hurst, Sr.	CNX Gas Company LLC	Not less than 1/8	496/568			
Pamela Sue Summers	CNX Gas Company LLC	Not less than 1/8	497/197			
Kathy Mae Fenstermaker	CNX Gas Company LLC	Not less than 1/8	497/186			
David Leroy Gray	CNX Gas Company LLC	Not less than 1/8	497/203			
David Charles Hurst	CNX Gas Company LLC	Not less than 1/8	497/58			
Westlake Energy Partners, LLC	CNX Gas Company LLC	Not less than 1/8	495/505			
Cynthia Gray	CNX Gas Company LLC	Not less than 1/8	497/52			
Linda Sue Ozendine	CNX Gas Company LLC	Not less than 1/8	497/64			
Tina Hurst	CNX Gas Company LLC	Not less than 1/8	497/422			
Kitty Ann Serns	CNX Gas Company LLC	Not less than 1/8	497/557			
Catherine L. Snider	CNX Gas Company LLC	Not less than 1/8	497/634			
Barbara L. Wilson	CNX Gas Company LLC	Not less than 1/8	498/72			
Aunx Acquisition Fund, LLC	CNX Gas Company LLC	Not less than 1/8	497/309			
Harold Wayne Hurst, a/k/a H. Wayne Hurst	CNX Gas Company LLC	Not less than 1/8	498/11			
Rodney Gale Smith	CNX Gas Company LLC	Not less than 1/8	498/95			
Sandra S. DiGiacobbe f/k/a Sandra S. Hurst and Ronald D. DiGiacobbe, w/h	CNX Gas Company LLC	Not less than 1/8	498/257			
Angela Fay Miller	CNX Gas Company LLC	Not less than 1/8	498/287			
Rebecca Ann Goff	CNX Gas Company LLC	Not less than 1/8	498/292			
Stephen Duane Jackson	CNX Gas Company LLC	Not less than 1/8	498/297			
Jeffery Allen Hurst	CNX Gas Company LLC	Not less than 1/8	498/302			
Richard Duane Hurst	CNX Gas Company LLC	Not less than 1/8	498/347			
Ed Broome, Inc.	CNX Gas Company LLC	Not less than 1/8	497/709			
Gwendalyn Rae Swartzfager f/k/a Gwendalyn Rae Rose	CNX Gas Company LLC	Not less than 1/8	498/322			
Mark Allen Jackson and Andrea Jackson, h/w	CNX Gas Company LLC	Not less than 1/8	498/327			
Jennifer Lee Harris	CNX Gas Company LLC	Not less than 1/8	498/317			
Jack Lee Smith and Cynidi Smith, h/w	CNX Gas Company LLC	Not less than 1/8	498/247			
Norman L. Jackson	CNX Gas Company LLC	Not less than 1/8	498/332			
Annette N. Davis and David A. Davis	CNX Gas Company LLC	Not less than 1/8	487/389			
Ruth Ann Nicholson	CNX Gas Company LLC	Not less than 1/8	488/505			
Maria Alexandrovna Stihary a/k/a Maria Alexandrovna Standafer	CNX Gas Company LLC	Not less than 1/8	62/142			
Warren Scott Standafer Testamentary Trust	CNX Gas Company LLC	Not less than 1/8	62/142			
Michael Keith Gearhart	CNX Gas Company LLC	Not less than 1/8	62/142			
Brian Philip Gearhart	CNX Gas Company LLC	Not less than 1/8	62/142			
Joseph Edward Gearhart	CNX Gas Company LLC	Not less than 1/8	62/142			
Jason Alan Gearhart	CNX Gas Company LLC	Not less than 1/8	62/142			
Melanie Faith Gearhart	CNX Gas Company LLC	Not less than 1/8	62/142			
Donald Wayne Hurst, Jr.	CNX Gas Company LLC	Not less than 1/8	62/142			
Vicki Dean a/k/a Vicki Darlene Kriner	CNX Gas Company LLC	Not less than 1/8	62/142			
Glenn Richard Gray	CNX Gas Company LLC	Not less than 1/8	62/142			
Bruce Patrick Smith	CNX Gas Company LLC	Not less than 1/8	62/142			
Jamie Lynn Munn	CNX Gas Company LLC	Not less than 1/8	62/142			
Larry Arden Hurst	CNX Gas Company LLC	Not less than 1/8	62/142			
Donald Allen Hurst	CNX Gas Company LLC	Not less than 1/8	62/142			

Tract ID	Tax Map & Parcel	Title Opinion QIS #	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
132D	1-4, P/O Parcel 7	293506000	Ira M. Powell, Dennis H. Powell and Meille M. Powell, h/w	Clarence W. Mutschelknaus	Not less than 1/8	138/463
			Jerry L. Davis	Clarence W. Mutschelknaus	Not less than 1/8	132/229
			Blanche Ford, widow, Blanche Ford POA for Leman L. Shinn, Thelma McCullough and Corbett McCullough her husband	Clarence W. Mutschelknaus	Not less than 1/8	131/526
			Helen P. Buff	Clarence W. Mutschelknaus	Not less than 1/8	136/728
			Lula L. Backus	Clarence W. Mutschelknaus	Not less than 1/8	131/522
			Clyde M. Shinn	Clarence W. Mutschelknaus	Not less than 1/8	131/742
			Mary Lee Scaff and Robert P. Scaff	Clarence W. Mutschelknaus	Not less than 1/8	131/524
			Betty Jean Dinella and John Dinella, w/h	Clarence W. Mutschelknaus	Not less than 1/8	131/322
			Roy R. Shinn and Evelyn Shinn, h/w	Clarence W. Mutschelknaus	Not less than 1/8	131/740
			Clarence W. Mutschelknaus	J & J Enterprises, Inc.	Assignment	150/625
			J & J Enterprises, Inc. and Union Drilling, Inc.	Clarence W. Mutschelknaus	Assignment	150/628
			Clarence W. Mutschelknaus	Bluestone Energy Partners	Assignment	245/572
			Bluestone Energy Partners	Antero Resources Bluestone LLC	Assignment	288/1
			Antero Resources Bluestone LLC	Antero Resources Corporation	Merger	WVSOS
			Antero Resources Corporation	CNX Gas Company LLC	Assignment	481/395
			Clarence W. Mutschelknaus and Mary F. Mutschelknaus, h/w	J & J Enterprises, Inc.	Not less than 1/8	159/668
			J & J Enterprises, Inc. and Union Drilling, Inc.	Clarence W. Mutschelknaus	Assignment	150/628
			Clarence W. Mutschelknaus	Bluestone Energy Partners	Assignment	245/572
			Bluestone Energy Partners	Antero Resources Bluestone LLC	Assignment	288/1
			Antero Resources Bluestone LLC	Antero Resources Corporation	Merger	WVSOS
			Antero Resources Corporation	CNX Gas Company LLC	Assignment	481/395
Carlie James and Karen M. James, JTRQS	Antero Resources Corporation	Not less than 1/8	394/390			
Sue Ann Gillies	Antero Resources Corporation	Not less than 1/8	400/661			
Joel Gillies	CNX Gas Company LLC	Ratification	498/467			
Antero Resources Corporation	CNX Gas Company LLC	Assignment	481/395			
132B	1-4, P/O Parcel 7	297366000	Ira M. Powell, Dennis H. Powell and Meille M. Powell, h/w	Clarence W. Mutschelknaus	Not less than 1/8	138/463
			Jerry L. Davis	Clarence W. Mutschelknaus	Not less than 1/8	132/229
			Blanche Ford, widow, Blanche Ford POA for Leman L. Shinn, Thelma McCullough and Corbett McCullough her husband	Clarence W. Mutschelknaus	Not less than 1/8	131/526
			Helen P. Buff	Clarence W. Mutschelknaus	Not less than 1/8	136/728
			Lula L. Backus	Clarence W. Mutschelknaus	Not less than 1/8	131/522
			Clyde M. Shinn	Clarence W. Mutschelknaus	Not less than 1/8	131/742
			Mary Lee Scaff and Robert P. Scaff	Clarence W. Mutschelknaus	Not less than 1/8	131/524
			Betty Jean Dinella and John Dinella, w/h	Clarence W. Mutschelknaus	Not less than 1/8	131/322
			Roy R. Shinn and Evelyn Shinn, h/w	Clarence W. Mutschelknaus	Not less than 1/8	131/740
			Clarence W. Mutschelknaus	J & J Enterprises, Inc.	Assignment	150/625
			J & J Enterprises, Inc. and Union Drilling, Inc.	Clarence W. Mutschelknaus	Assignment	150/628
			Clarence W. Mutschelknaus	Bluestone Energy Partners	Assignment	245/572
			Bluestone Energy Partners	Antero Resources Bluestone LLC	Assignment	288/1
			Antero Resources Bluestone LLC	Antero Resources Corporation	Merger	WVSOS
			Antero Resources Corporation	CNX Gas Company LLC	Assignment	481/395
			Clarence W. Mutschelknaus and Mary F. Mutschelknaus, h/w	J & J Enterprises, Inc.	Not less than 1/8	159/668
			J & J Enterprises, Inc. and Union Drilling, Inc.	Clarence W. Mutschelknaus	Assignment	150/628
			Clarence W. Mutschelknaus	Bluestone Energy Partners	Assignment	245/572
			Bluestone Energy Partners	Antero Resources Bluestone LLC	Assignment	288/1
			Antero Resources Bluestone LLC	Antero Resources Corporation	Merger	WVSOS
			Antero Resources Corporation	CNX Gas Company LLC	Assignment	481/395
Carlie James and Karen M. James, JTRQS	Antero Resources Corporation	Not less than 1/8	394/390			
Sue Ann Gillies	Antero Resources Corporation	Not less than 1/8	400/661			
Joel Gillies	CNX Gas Company LLC	Ratification	498/467			
Antero Resources Corporation	CNX Gas Company LLC	Assignment	481/395			
The West Virginia Department of Transportation, Division of Highways	CNX Gas Company LLC	Not less than 1/8	497/316			
132C	1-4, P/O Parcel 7	293506000	Ira M. Powell, Dennis H. Powell and Meille M. Powell, h/w	Clarence W. Mutschelknaus	Not less than 1/8	138/463
			Jerry L. Davis	Clarence W. Mutschelknaus	Not less than 1/8	132/229
			Blanche Ford, widow, Blanche Ford POA for Leman L. Shinn, Thelma McCullough and Corbett McCullough her husband	Clarence W. Mutschelknaus	Not less than 1/8	131/526
			Helen P. Buff	Clarence W. Mutschelknaus	Not less than 1/8	136/728
			Lula L. Backus	Clarence W. Mutschelknaus	Not less than 1/8	131/522
			Clyde M. Shinn	Clarence W. Mutschelknaus	Not less than 1/8	131/742
			Mary Lee Scaff and Robert P. Scaff	Clarence W. Mutschelknaus	Not less than 1/8	131/524
			Betty Jean Dinella and John Dinella, w/h	Clarence W. Mutschelknaus	Not less than 1/8	131/322
			Roy R. Shinn and Evelyn Shinn, h/w	Clarence W. Mutschelknaus	Not less than 1/8	131/740
			Clarence W. Mutschelknaus	J & J Enterprises, Inc.	Assignment	150/625
			J & J Enterprises, Inc. and Union Drilling, Inc.	Clarence W. Mutschelknaus	Assignment	150/628
			Clarence W. Mutschelknaus	Bluestone Energy Partners	Assignment	245/572
			Bluestone Energy Partners	Antero Resources Bluestone LLC	Assignment	288/1
			Antero Resources Bluestone LLC	Antero Resources Corporation	Merger	WVSOS
			Antero Resources Corporation	CNX Gas Company LLC	Assignment	481/395
			Clarence W. Mutschelknaus and Mary F. Mutschelknaus, h/w	J & J Enterprises, Inc.	Not less than 1/8	159/668
			J & J Enterprises, Inc. and Union Drilling, Inc.	Clarence W. Mutschelknaus	Assignment	150/628
			Clarence W. Mutschelknaus	Bluestone Energy Partners	Assignment	245/572
			Bluestone Energy Partners	Antero Resources Bluestone LLC	Assignment	288/1
			Antero Resources Bluestone LLC	Antero Resources Corporation	Merger	WVSOS
			Antero Resources Corporation	CNX Gas Company LLC	Assignment	481/395
Carlie James and Karen M. James, JTRQS	Antero Resources Corporation	Not less than 1/8	394/390			
Sue Ann Gillies	Antero Resources Corporation	Not less than 1/8	400/661			
Joel Gillies	CNX Gas Company LLC	Ratification	498/467			
Antero Resources Corporation	CNX Gas Company LLC	Assignment	481/395			

Tract ID	Tax Map & Parcel	Title Opinion OLS #	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
132A	1-4, P/O Parcel 7	293606000	Ila M. Powell, Dennis H. Powell and Melle M. Powell, h/w	Clarence W. Mutschelknaus	Not less than 1/8	138/463
			Jerry L. Davis	Clarence W. Mutschelknaus	Not less than 1/8	132/329
			Blanche Ford, widow, Blanche Ford POA for Lerman L. Shinn, Thelma McCullough and Corbett McCullough her husband	Clarence W. Mutschelknaus	Not less than 1/8	131/526
			Helen P. Buff	Clarence W. Mutschelknaus	Not less than 1/8	136/728
			Lula L. Baekus	Clarence W. Mutschelknaus	Not less than 1/8	131/522
			Clyde M. Shinn	Clarence W. Mutschelknaus	Not less than 1/8	131/742
			Mary Lee Scaif and Robert P. Scaif	Clarence W. Mutschelknaus	Not less than 1/8	131/524
			Betty Jean Dinella and John Dinella, w/h	Clarence W. Mutschelknaus	Not less than 1/8	131/322
			Roy R. Shinn and Evelyn Shinn, h/w	Clarence W. Mutschelknaus	Not less than 1/8	131/740
			Clarence W. Mutschelknaus	J & J Enterprises, Inc.	Assignment	150/625
			J & J Enterprises, Inc. and Union Drilling, Inc.	Clarence W. Mutschelknaus	Assignment	150/628
			Clarence W. Mutschelknaus	Bluestone Energy Partners	Assignment	245/572
			Bluestone Energy Partners	Antero Resources Bluestone LLC	Assignment	268/1
			Antero Resources Bluestone LLC	Antero Resources Corporation	Merger	WV505
			Antero Resources Corporation	CNX Gas Company LLC	Assignment	481/395
			Clarence W. Mutschelknaus and Mary F. Mutschelknaus, h/w	J & J Enterprises, Inc.	Not less than 1/8	159/668
			J & J Enterprises, Inc. and Union Drilling, Inc.	Clarence W. Mutschelknaus	Assignment	150/628
			Clarence W. Mutschelknaus	Bluestone Energy Partners	Assignment	245/572
			Bluestone Energy Partners	Antero Resources Bluestone LLC	Assignment	268/1
			Antero Resources Bluestone LLC	Antero Resources Corporation	Merger	WV505
			Antero Resources Corporation	CNX Gas Company LLC	Assignment	481/395
			Carlie James and Karen M. James, JTROS	Antero Resources Corporation	Not less than 1/8	394/390
			Sue Ann Gillies	Antero Resources Corporation	Not less than 1/8	400/661
			Joel Gillies	CNX Gas Company LLC	Ratification	498/467
			Antero Resources Corporation	CNX Gas Company LLC	Assignment	481/395
Tract ID	Tax Map & Parcel	Title Opinion OLS #	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
131	1-4, Parcel 7.1	293590000	Arnold Lyle Stuart	CNX Gas Company LLC	Not less than 1/8	396/521
			Katherine Foster Leggett	CNX Gas Company LLC	Not less than 1/8	417/182
			Jeffrey S. Anderson	CNX Gas Company LLC	Not less than 1/8	417/185
			Eric T. Anderson	CNX Gas Company LLC	Not less than 1/8	421/295
			Brenda J. Fulton	CNX Gas Company LLC	Not less than 1/8	417/188
			Timothy C. Phillips	CNX Gas Company LLC	Not less than 1/8	417/191
			Freda B. Jones	CNX Gas Company LLC	Not less than 1/8	417/194
			Lorelei L. Phillips	CNX Gas Company LLC	Not less than 1/8	417/197
			Carolyn S. Gaston	CNX Gas Company LLC	Not less than 1/8	417/200
			Randall R. Leggett	CNX Gas Company LLC	Not less than 1/8	419/109
			Elizabeth A. Guido	CNX Gas Company LLC	Not less than 1/8	417/605
			Bernard K. Leggett	CNX Gas Company LLC	Not less than 1/8	418/302
			Eleanor F. DeLawder	CNX Gas Company LLC	Not less than 1/8	418/305
			Janice K. Snider	CNX Gas Company LLC	Not less than 1/8	418/320
			S.J.J. Leggett Family LLC	CNX Gas Company LLC	Not less than 1/8	418/308
			Jennifer L. Powers	CNX Gas Company LLC	Not less than 1/8	418/311
			Beverlee A. Grose	CNX Gas Company LLC	Not less than 1/8	418/314
			Kimberly K. Davis	CNX Gas Company LLC	Not less than 1/8	419/112
			Zadok M. Leggett	CNX Gas Company LLC	Not less than 1/8	421/220
			Keliegh D. Beverlin	CNX Gas Company LLC	Not less than 1/8	421/292



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

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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
NOTICE CERTIFICATION

Date of Notice Certification: 11/12/2021

API No. 47- _____ - _____
Operator's Well No. SHR37OHSM
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>513285.262</u>
County: <u>Tyler</u>		Northing: <u>4356027.989</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.

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: *PLEASE CHECK ALL THAT APPLY <input type="checkbox"/> 1. NOTICE OF SEISMIC ACTIVITY or <input checked="" type="checkbox"/> NOTICE NOT REQUIRED BECAUSE NO SEISMIC ACTIVITY WAS CONDUCTED <input type="checkbox"/> 2. NOTICE OF ENTRY FOR PLAT SURVEY or <input checked="" type="checkbox"/> NO PLAT SURVEY WAS CONDUCTED <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 <input checked="" type="checkbox"/> WRITTEN WAIVER BY SURFACE OWNER (PLEASE ATTACH) <input checked="" type="checkbox"/> 4. NOTICE OF PLANNED OPERATION <input checked="" type="checkbox"/> 5. PUBLIC NOTICE <input checked="" type="checkbox"/> 6. NOTICE OF APPLICATION		OOG OFFICE USE ONLY <input type="checkbox"/> RECEIVED/ NOT REQUIRED <input type="checkbox"/> RECEIVED <input type="checkbox"/> RECEIVED/ NOT REQUIRED <input type="checkbox"/> RECEIVED <input type="checkbox"/> RECEIVED <input type="checkbox"/> RECEIVED
RECEIVED Office of Oil and Gas NOV 15 2021 WV Department of Environmental Protection		

Required Attachments:

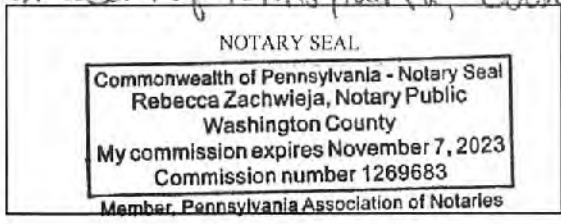
The Operator shall attach to this Notice Certification Form all Notice Forms and Certifications of Notice that have been provided to the required parties and/or any associated written waivers. For the Public Notice, the operator shall attach a copy of the Class II Legal Advertisement with publication 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 deprivacyofficer@wv.gov.

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

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: 11/12/21 Date Permit Application Filed: 11/15/21

Notice of:

- 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
- 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.

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

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

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

COAL OPERATOR
 Name: _____
 Address: _____

SURFACE OWNER(s) (Road and/or Other Disturbance)
 Name: _____
 Address: _____
 Name: _____
 Address: _____

SURFACE OWNER OF WATER WELL AND/OR WATER PURVEYOR(s)
 Name: See attached.
 Address: _____

SURFACE OWNER(s) (Impoundments or Pits)
 Name: _____
 Address: _____

OPERATOR OF ANY NATURAL GAS STORAGE FIELD
 Name: _____
 Address: _____

*Please attach additional forms if necessary

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 Office of Oil and Gas
 NOV 15 2021
 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.

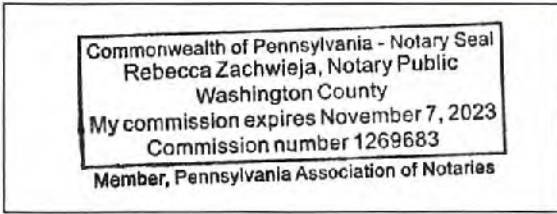
Pursuant to West Virginia Code § 22-6A-10(g), any person entitled to submit written comments to the secretary pursuant to subsection (a), section eleven of this article, shall also be entitled to receive from the secretary a copy of the permit as issued or a copy of the order modifying or denying the 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.

Notice is hereby given by:

Well Operator: CNX Gas Company LLC Address: 1000 CONSOL Energy Drive, Canonsburg, PA 15317
Telephone: 724-485-3244
Email: SarahWeigand@cnx.com *Sarah Weigand* 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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Office of Oil and Gas
NOV 15 2021
WV Department of
Environmental Protection

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

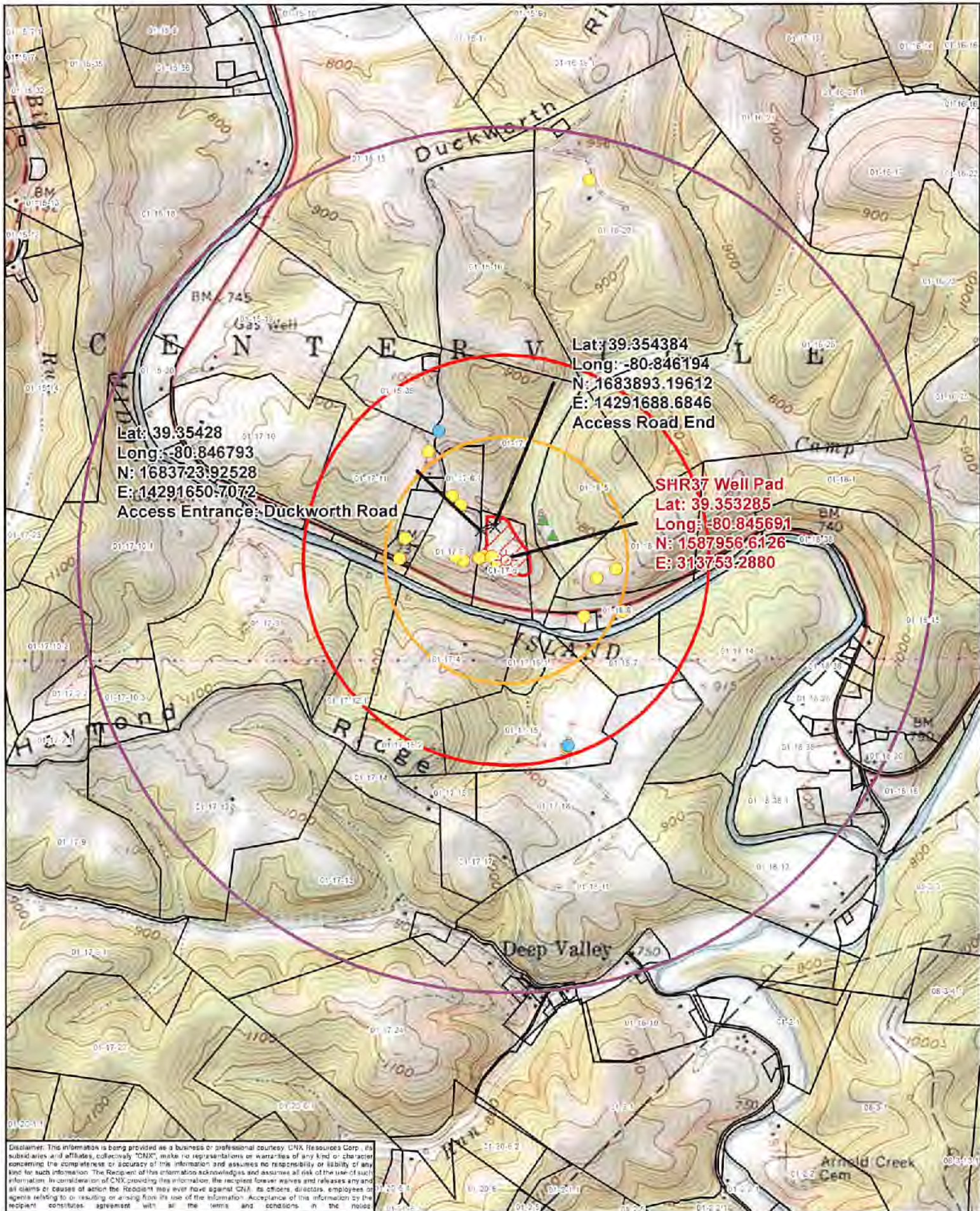
DOUG LANTZ ✓
1376 MIDWAY ROAD
BELINGTON, WV 26250

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Office of Oil and Gas

NOV 15 2021

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. 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	1,500ft Buffer
Well	Surface Parcel	Well Pad LOD
Access Points		
Access Road		

1 in = 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 reproduced without prior written consent.

12/17/2021
 Topographic Well Map
 SHR37



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: SHR37OHSM Waiver Request

To Whom It May Concern:

CNX Gas Company LLC (CNX) as surface and coal owner of the SHR37OHSM 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

12/17/2021

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

Notice Time Requirement: notice shall be provided no later than the filing date of permit application.

Date of Notice: 11/12/2021 Date Permit Application Filed: 11/15/2021

Delivery method pursuant to West Virginia Code § 22-6A-16(c)

- CERTIFIED MAIL RETURN RECEIPT REQUESTED
- HAND DELIVERY

Pursuant to W. Va. Code § 22-6A-16(c), no later than the date for filing the permit application, an operator shall, by certified mail return receipt requested or hand delivery, give the surface owner whose land will be used for the drilling of a horizontal well notice of the planned operation. The notice required by this subsection shall include: (1) A copy of this code section; (2) The information required to be provided by subsection (b), section ten of this article to a surface owner whose land will be used in conjunction with the drilling of a horizontal well; and (3) A proposed surface use and compensation agreement containing an offer of compensation for damages to the surface affected by oil and gas operations to the extent the damages are compensable under article six-b of this chapter. (d) The notices required by this section shall be given to the surface owner at the address listed in the records of the sheriff at the time of notice.

Notice is hereby provided to the SURFACE OWNER(s)

(at the address listed in the records of the sheriff at the time of notice):

Name: <u>CNX Gas Company LLC</u>	Name: _____
Address: <u>1000 CONSOL Energy Drive</u> <u>Canonsburg, PA 15317</u>	Address: _____

Notice is hereby given:

Pursuant to West Virginia Code § 22-6A-16(c), notice is hereby given that the undersigned well operator has developed a planned operation on the surface owner's land for the purpose of drilling a horizontal well on the tract of land as follows:

State: <u>West Virginia</u>	UTM NAD 83	Easting: <u>513285.262</u>
County: <u>Tyler</u>		Northing: <u>4356027.969</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>		

This Notice Shall Include:

Pursuant to West Virginia Code § 22-6A-16(c), this notice shall include: (1) A copy of this code section; (2) The information required to be provided by W. Va. Code § 22-6A-10(b) to a surface owner whose land will be used in conjunction with the drilling of a horizontal well; and (3) A proposed surface use and compensation agreement containing an offer of compensation for damages to the surface affected by oil and gas operations to the extent the damages are compensable under article six-b of this chapter. 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 Operator: <u>CNX Gas Company LLC</u>	Address: <u>1000 CONSOL Energy Drive</u>	RECEIVED Office of Oil and Gas NOV 15 2021 WV Department of Environmental Protection
Telephone: <u>724-485-3244</u>	<u>Canonsburg, PA 15317</u>	
Email: <u>SarahWeigand@cnx.com</u>	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.

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

API NO. 47- OPERATOR WELL NO. See Exhibit A Well Pad Name: SHR37

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)
Quadrangle: 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: Raymond Hoon
Telephone: 724-485-3540

RECEIVED Office of Oil and Gas NOV 15 2021

COMMONWEALTH OF PENNSYLVANIA

NOTARIAL SEAL Douglas E. Smith, Notary Public Cecil Twp., Washington County My Commission Expires Dec. 6, 2020 MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

Subscribed and sworn before me this 17 day of December 2021

Douglas E. Smith Notary Public

My Commission Expires 12-6-2020

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 of your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

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

SWANAH SMILACK
CAMPBELL DEVELOPMENT
2006 E CARSON STREET
PITTSBURGH, PA 15203-1902

Neil A Archer II
TYLER County 10:31:58 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

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
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	Easting: <u>513285.262</u>
County: <u>Tyler</u>		Northing: <u>4356027.989</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 style="text-align: center;">FOR EXECUTION BY A NATURAL PERSON</p> <p style="text-align: right;">RECEIVED Office of Oil and Gas</p> <p>Signature: _____</p> <p>Print Name: _____</p> <p>Date: <u>NOV 15 2021</u></p> <hr/> <p style="text-align: center;">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>11/3/2021</u></p> <p style="text-align: right;">WV Department of Environmental Protection</p>
---	--

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 of your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

12/17/2021

4709502772

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

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Office of Oil and Gas

NOV 15 2021

WV Department of
Environmental Protection

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

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Office of Oil and Gas

NOV 15 2021

WV Department of
Environmental Protection

12/17/2021



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
SHR37OHSM 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

RECEIVED
Office of Oil and Gas

NOV 15 2021

WV Department of
Environmental Protection

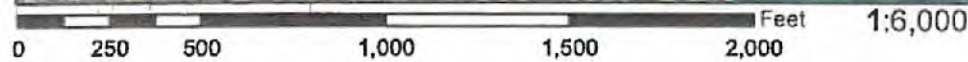
National Flood Hazard Layer FIRMette



39°21'27.98"N



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



Legend

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

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zones A, V, A99
		With BFE or Depth Zones 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 drainage 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		Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone X
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
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: base map imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

80°50'24.72"W



LOCATION MAP
USGS - WEST UNION, 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"

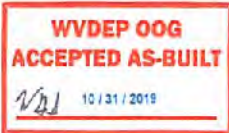
CENTERVILLE DISTRICT,
TYLER COUNTY, WEST VIRGINIA

DATE: JULY 02, 2019



LOCATION MAP
Scale: 1"=2000'

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.

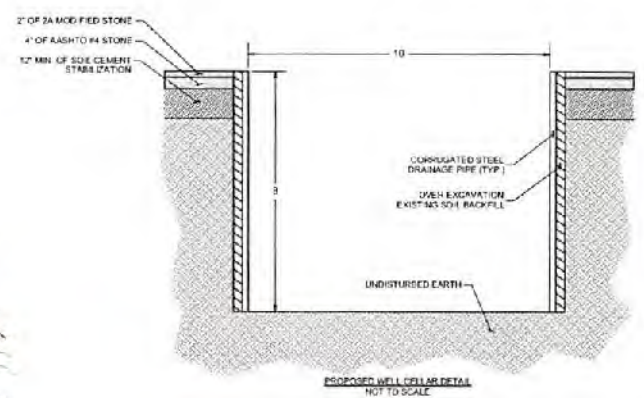
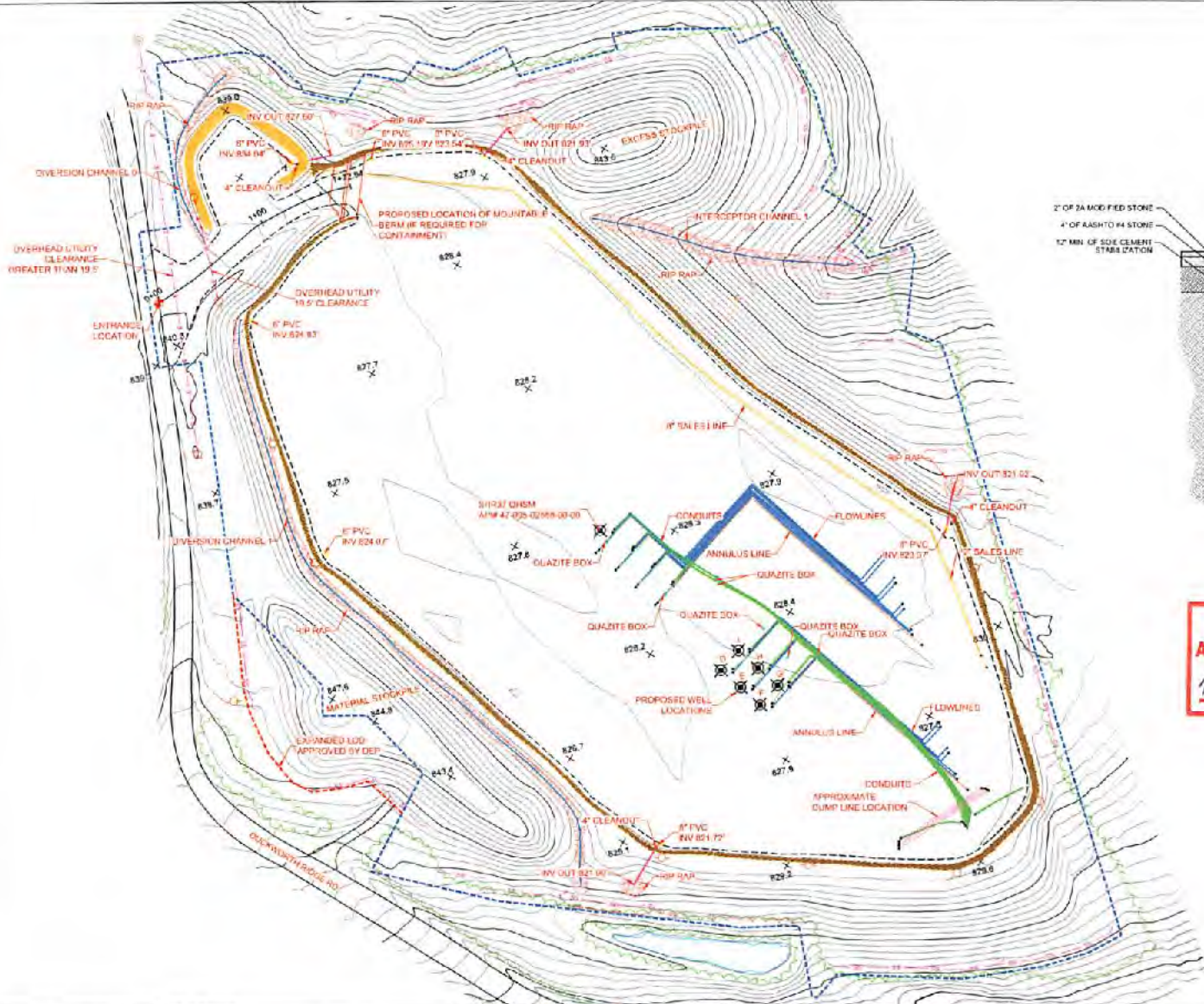
Note: Drawing was created on 22x34 paper. 11x17 drawings are half scale. Refer to scale bar for proper scaling.

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

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	NO.	BY	DATE	DESCRIPTION																																													
SCALE:	DATE:																																																
PHASE NO.																																																	
CENTLINE NO.																																																	
PROJECT NO.	050-10290																																																

CHART OF PROPOSED WELL SPOTS AND SITE LOCATION

POINT	API #	NAD83 WY NORTH	LONGITUDE	EASTING	NORTHING	EASTING
D-037 C	TRD	39770.7367	807043.8317	435194.233	51529.870	
D-037 E	TRD	39770.5417	807043.8317	435194.300	51529.745	
S-037 F	TRD	39770.4217	807043.3117	435194.300	51529.620	
D-037 C	TRD	39770.5117	807043.5217	435194.187	51529.281	
S-037 H	TRD	39770.5317	807043.8117	435194.700	51529.483	
D-037 I	TRD	39770.8317	807043.8217	435194.026	51529.849	
ENTRANCE		39770.5117	807044.8117	435194.079	10945.969	



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

- LEGEND**
- - - - - EDGE OF PARCEL
 - - - - - DITCH
 - - - - - DESIGN LOD
 - - - - - TREE LINE
 - - - - - SALT SOIL
 - - - - - COMPOSITE FILTER SOCK
 - - - - - POST
 - - - - - UTILITY POLE
 - - - - - RIP RAP
 - - - - - BEAM
 - - - - - FLOWLINE
 - - - - - ANNULUS LINE
 - - - - - CONDUIT LINE
 - - - - - SALES LINE
 - - - - - DUMP LINE
 - - - - - QUARTZITE BOX
 - - - - - OVERHEAD UTILITY



NOTE: DRAWING WAS CREATED ON ZZZ44 PAPER. (1:17) DRAWINGS ARE HALF SCALE. REFER TO SCALE BAR FOR PROPER SCALING.

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NO.	DATE	DESCRIPTION
1	10/31/2019	ISSUED FOR PERMIT
2	10/31/2019	ISSUED FOR PERMIT
3	10/31/2019	ISSUED FOR PERMIT



DATE	BY	DATE	BY
DESIGNED	MM	DATE	MM/YY
CHECKED	MM	DATE	MM/YY
SURVEY DATE			
PROJECT NO.			



PROJECT NO.	050-10290
CONTRACT NO.	
DATE	

CNX RESOURCES CORPORATION
SHIRLEY 37 SITE
PAD AS-BUILT
TYLER COUNTY, WEST VIRGINIA
PLAN VIEW

SHR-37 WELL PAD

Erosion & Sedimentation Control Plan

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

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	GEO TECHNICAL 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

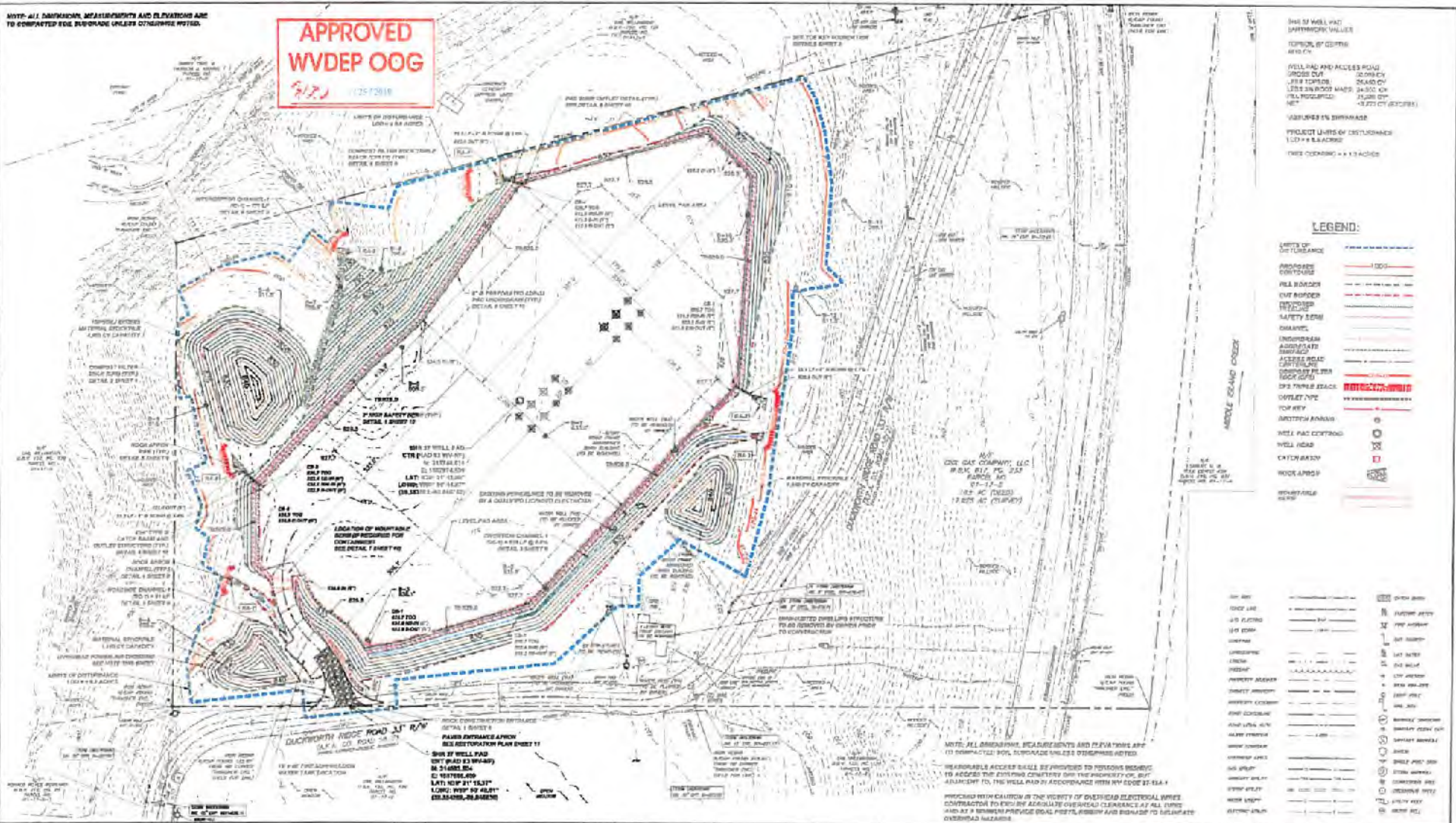
1712 Mt. Nebo Road
Sewickley, PA 15143

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'

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

APPROVED WVDEP OOG
 5/13/2016



SHR 37 WELL PAD
 PARTIAL WORK VALUES
 TOPSOIL BY CENTER
 4000 CY
 WELL PAD AND ACCESS ROAD
 GRADES CUT 30,000 CY
 FILL TOPSOIL 26,400 CY
 FILL IN ROAD WAYS 24,500 CY
 FILL REQUIRED 25,000 CY
 NET -1,200 CY (EXCESS)
 VOLUMES IN DRAINAGE
 PROJECT LIMITS BY DISTURBANCE
 1.03 + 8.6 ACROSS
 TREE COVERSING + 11 TREATED

LEGEND:

LIMITS OF DISTURBANCE	---
APPROVED CONTROLS	---
WELL BOUNDARY	---
OUT BOUNDARY	---
PROPERTY	---
SAFETY BERM	---
ROADWAY	---
UNDERSIPE	---
ADJACENT ROADWAY	---
ACCESS ROAD	---
CONCRETE PAVEMENT	---
3/4" GRADE STAKE	---
UTILITY PIPE	---
TOP KEY	---
PROPERTY BOUNDARY	---
WELL PAD CONTROL	---
WELL HEAD	---
CATCH BASIN	---
WOOD APRON	---
UNDESIRABLE AREA	---

10' WIDE	---	10' WIDE	---
15' WIDE	---	15' WIDE	---
20' WIDE	---	20' WIDE	---
25' WIDE	---	25' WIDE	---
30' WIDE	---	30' WIDE	---
35' WIDE	---	35' WIDE	---
40' WIDE	---	40' WIDE	---
45' WIDE	---	45' WIDE	---
50' WIDE	---	50' WIDE	---
55' WIDE	---	55' WIDE	---
60' WIDE	---	60' WIDE	---
65' WIDE	---	65' WIDE	---
70' WIDE	---	70' WIDE	---
75' WIDE	---	75' WIDE	---
80' WIDE	---	80' WIDE	---
85' WIDE	---	85' WIDE	---
90' WIDE	---	90' WIDE	---
95' WIDE	---	95' WIDE	---
100' WIDE	---	100' WIDE	---

NOTE: ALL DIMENSIONS, MEASUREMENTS AND ELEVATIONS ARE TO COMPACTED SOIL SURFACE UNLESS OTHERWISE NOTED.
 REASONABLE ACCESS SHALL BE PROVIDED TO ADJACENT PROPERTY TO ACCESS THE CONTROL COUNTRY AND THE PROPERTY OR SURROUNDING TO THE WELL PAD IN ACCORDANCE WITH THE EDGE OF DISTURBANCE.
 PROVIDED WITH CAUTION IN THE VICINITY OF OVERHEAD ELECTRICAL WIRES CONTRACTOR TO PROVIDE ADEQUATE OVERHEAD CLEARANCE AT ALL TIMES AND AT A MINIMUM PROVIDE SIGNAL POSTS, BARRIERS AND SIGNS TO SUPPLEMENT OVERHEAD SIGNAGE.

811 **Call before you dig.**
 Digging is dangerous. Call before you dig. Call 811 to locate underground utilities. Call before you dig.

Horizontal Scale
 1" = 100'

Date	Revised Description	By	Professional Seal	Prepared By
5/13/16	Revised per WVDEP comments 5/13/16	WSP		

Shreffler & Company, Inc.
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SHR 37 WELL PAD
 Centerville District Tyler County, West Virginia
 Prepared For
CNX

EROSION & SEDIMENTATION CONTROL AND GRADING PLAN
 SHEET NO. 5/13
 DATE DESIGNED: 5/13/2016
 PROJECT NO.: 1712 GRAND BLVD WEST
 SHEET NO.: 5/13