

RECEIVED
Office Of Oil and Gas
JUN 27 2023
WV Department of Environmental Protection

State of West Virginia
Department of Environmental Protection - Office of Oil and Gas
Well Operator's Report of Well Work

API 47-061-01899 County MONONGALIA District BATTELLE
Quad WADESTOWN Pad Name WDTN19 Field/Pool Name _____
Farm name CNX Gas Company LLC Well Number WDTN19AHSM
Operator (as registered with the OOG) CNX GAS COMPANY LLC
Address 1000 HORIZON VUE DRIVE City CANONSBURG State PA Zip 15317

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey
Top hole Northing 4393925.918 Easting 556990.604
Landing Point of Curve Northing 4393564.005 Easting 556288.708
Bottom Hole Northing 4396983.257 Easting 553812.206

Elevation (ft) 1,264' GL Type of Well New Existing Type of Report Interim Final
Permit Type Deviated Horizontal Horizontal 6A Vertical Depth Type Deep Shallow
Type of Operation Convert Deepen Drill Plug Back Redrilling Rework Stimulate
Well Type Brine Disposal CBM Gas Oil Secondary Recovery Solution Mining Storage Other _____
Type of Completion Single Multiple Fluids Produced Brine Gas NGL Oil Other _____
Drilled with Cable Rotary

Drilling Media Surface hole Air Mud Fresh Water Intermediate hole Air Mud Fresh Water Brine
Production hole Air Mud Fresh Water Brine

Mud Type(s) and Additive(s)
SYNTHETIC BASED FLUID

ADDITIVES: ABS MUL (EMULSIFIER), CALCIUM CHLORIDE, FLR PLUS (GILSONITE), CLAYTONE EM (SUSPENSION AGENT), AES WA II (WETTING AGENT), LIME

Date permit issued 06.06.2022 Date drilling commenced 08.23.2022 (spud) Date drilling ceased 02.10.2023
Date completion activities began 03.13.2023 Date completion activities ceased 04.15.2023
Verbal plugging (Y/N) N Date permission granted N/A Granted by N/A

Please note: Operator is required to submit a plugging application within 5 days of verbal permission to plug

Freshwater depth(s) ft 125', 584', 845', 933', 938' Open mine(s) (Y/N) depths N
Salt water depth(s) ft 2,419', 2,509', 3,139' Void(s) encountered (Y/N) depths None Anticipated
Coal depth(s) ft 708'-711', 966'-972', 1029'-1031', 1054'-1059', 1060'-1068' Cavern(s) encountered (Y/N) depths N
Is coal being mined in area (Y/N) N

APPROVED

Reviewed by:
YDX 6/25/2023
09/15/2023

API 47- 061 - 01899 Farm name CNX Gas Company LLC Well number WDTN19AHSM

CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade wt/ft	Basket Depth(s)	Did cement circulate (Y/N) * Provide details below*
Conductor	30"	20"	100'	NEW	94lb/ft	N/A	GROUT TO SURFACE
Surface	17.5"	13.375"	1,204'	NEW	J-55 54.5lb/ft	N/A	Y - CEMENT TO SURFACE
Coal							
Intermediate 1	12.25"	9.625"	2,968'	NEW	J-55 36lb/ft	N/A	Y - CEMENT TO SURFACE
Intermediate 2							
Intermediate 3							
Production	8.75" & 8.5"	5.5"	22,990'	NEW	P-110 23lb/ft	N/A	Y - TOC @ 3,775'
Tubing							
Packer type and depth set							

Comment Details ALL DEPTHS ARE REFERENCED GLE = -28' KB

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft ³ /sks)	Volume (ft ³)	Cement Top (MD)	WOC (hrs)
Conductor							
Surface	HALCEM	840	15.8	1.17	983	Surface	8
Coal							
Intermediate 1	HALCEM	965	15.8	1.15	1,110	Surface	8
Intermediate 2							
Intermediate 3							
Production	NEOCEM / NEOCEM	1,255(LEAD) / 3,565(TAIL)	15.0 / 15.0	1.13 (LEAD) / 1.12 (TAIL)	1,418(LEAD) / 3,893(TAIL)	3,775'	8
Tubing							

Drillers TD (ft) 23,018' Loggers TD (ft) 23,018'
 Deepest formation penetrated MARCELLUS Plug back to (ft) N/A
 Plug back procedure N/A

Kick off depth (ft) 7,958' (MD) 7,282' (TVD)

Check all wireline logs run caliper density deviated/directional induction
 neutron resistivity gamma ray temperature sonic

Well cored Yes No Conventional Sidewall Were cuttings collected Yes No

DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING _____

SURFACE: Centralize every other joint from shoe to surface

INTERMEDIATE: Centralize every other joint from shoe to surface

PRODUCTION: Centralize every joint from shoe to TOC

WAS WELL COMPLETED AS SHOT HOLE Yes No DETAILS Plug and Perf

WAS WELL COMPLETED OPEN HOLE? Yes No DETAILS _____

WERE TRACERS USED Yes No TYPE OF TRACER(S) USED _____

API 47- 061 - 01899 Farm name CNX Gas Company LLC Well number WDTN19AHSM

<u>PRODUCING FORMATION(S)</u>	<u>DEPTHS</u>		
<u>MARCELLUS</u>	<u>7,910'</u>	<u>TVD</u>	<u>13,423'</u> <u>MD</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Please insert additional pages as applicable.

GAS TEST Build up Drawdown Open Flow OIL TEST Flow Pump

SHUT-IN PRESSURE Surface 2,150 psi Bottom Hole _____ psi DURATION OF TEST 24 hrs

OPEN FLOW Gas 2,271 mcfpd Oil 0 bpd NGL 0 bpd Water 2,288 bpd GAS MEASURED BY Estimated Orifice Pilot

LITHOLOGY/ FORMATION	TOP	BOTTOM	TOP	BOTTOM	DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H ₂ S, ETC)
	DEPTH IN FT NAME TVD	DEPTH IN FT TVD	DEPTH IN FT MD	DEPTH IN FT MD	
	<u>0</u>		<u>0</u>		
					(SEE ATTACHED FORMATION LOG)

Please insert additional pages as applicable.

Drilling Contractor PATTERSON-UTI DRILLING COMPANY
Address 100 GALAWAY DRIVE City EIGHTY FOUR State PA Zip 15330

Logging Company SCHLUMBERGER
Address 3600 BRIARPARK DRIVE City HOUSTON State TX Zip 77042

Cementing Company HALLIBURTON
Address 1000 NOBLE ENERGY DRIVE, SUITE 400 City CANONSBURG State PA Zip 15317

Stimulating Company EVOLUTION WELL SERVICES
Address 1780 HUGHES LANDING BLVD., SUITE 125 City THE WOODLANDS State TX Zip 77380

Please insert additional pages as applicable.

Completed by Jarrett Jones Telephone 304-276-3970
Signature Jarrett Jones jmj Title Superintendent Completions Date 06.23.2023

Submission of Hydraulic Fracturing Chemical Disclosure Information Attach copy of FRACFOCUS Registry

09/15/2023

ATTACHMENT 1: WDTN19AHSM 47-061-01899

Well Name	Perf Stage Numer	Date	Top Depth	Bottom Depth	Perfs Open	Reservoir Zone
WDTN19AHSM	1	3/13/2023	22,865.15	22,963.00	24	Marcellus Shale
WDTN19AHSM	2	3/13/2023	22,683.28	22,806.00	32	Marcellus Shale
WDTN19AHSM	3	3/14/2023	22,522.28	22,645.00	32	Marcellus Shale
WDTN19AHSM	4	3/14/2023	22,361.28	22,484.00	32	Marcellus Shale
WDTN19AHSM	5	3/14/2023	22,200.28	22,323.00	32	Marcellus Shale
WDTN19AHSM	6	3/14/2023	22,039.28	22,162.00	32	Marcellus Shale
WDTN19AHSM	7	3/15/2023	21,878.28	22,001.00	32	Marcellus Shale
WDTN19AHSM	8	3/15/2023	21,717.28	21,840.00	32	Marcellus Shale
WDTN19AHSM	9	3/15/2023	21,556.28	21,679.00	32	Marcellus Shale
WDTN19AHSM	10	3/16/2023	21,395.28	21,518.00	32	Marcellus Shale
WDTN19AHSM	11	3/16/2023	21,234.28	21,357.00	32	Marcellus Shale
WDTN19AHSM	12	3/16/2023	21,073.28	21,196.00	32	Marcellus Shale
WDTN19AHSM	13	3/16/2023	20,912.28	21,035.00	32	Marcellus Shale
WDTN19AHSM	14	3/17/2023	20,751.28	20,874.00	32	Marcellus Shale
WDTN19AHSM	15	3/17/2023	20,590.28	20,713.00	32	Marcellus Shale
WDTN19AHSM	16	3/17/2023	20,429.28	20,552.00	32	Marcellus Shale
WDTN19AHSM	17	3/18/2023	20,268.28	20,391.00	32	Marcellus Shale
WDTN19AHSM	18	3/18/2023	20,107.28	20,230.00	32	Marcellus Shale
WDTN19AHSM	19	3/18/2023	19,946.28	20,069.00	32	Marcellus Shale
WDTN19AHSM	20	3/18/2023	19,785.25	19,908.00	40	Marcellus Shale
WDTN19AHSM	21	3/19/2023	19,624.25	19,747.00	40	Marcellus Shale
WDTN19AHSM	22	3/19/2023	19,463.25	19,586.00	40	Marcellus Shale
WDTN19AHSM	23	3/20/2023	19,302.25	19,425.00	40	Marcellus Shale
WDTN19AHSM	24	3/20/2023	19,141.25	19,264.00	40	Marcellus Shale
WDTN19AHSM	25	3/20/2023	18,980.25	19,103.00	40	Marcellus Shale
WDTN19AHSM	26	3/20/2023	18,819.25	18,942.00	40	Marcellus Shale
WDTN19AHSM	27	3/21/2023	18,658.25	18,781.00	40	Marcellus Shale
WDTN19AHSM	28	3/21/2023	18,497.25	18,620.00	40	Marcellus Shale
WDTN19AHSM	29	3/21/2023	18,336.25	18,459.00	40	Marcellus Shale
WDTN19AHSM	30	3/22/2023	18,175.25	18,298.00	40	Marcellus Shale
WDTN19AHSM	31	3/22/2023	18,014.25	18,137.00	40	Marcellus Shale
WDTN19AHSM	32	3/22/2023	17,853.25	17,976.00	40	Marcellus Shale
WDTN19AHSM	33	3/22/2023	17,692.25	17,815.00	40	Marcellus Shale
WDTN19AHSM	34	3/23/2023	17,531.25	17,654.00	40	Marcellus Shale
WDTN19AHSM	35	3/23/2023	17,370.25	17,493.00	40	Marcellus Shale
WDTN19AHSM	36	3/24/2023	17,209.25	17,332.00	40	Marcellus Shale
WDTN19AHSM	37	3/24/2023	17,048.25	17,171.00	40	Marcellus Shale
WDTN19AHSM	38	4/7/2023	16,887.25	17,010.00	40	Marcellus Shale
WDTN19AHSM	39	4/7/2023	16,726.25	16,849.00	40	Marcellus Shale
WDTN19AHSM	40	4/8/2023	16,565.25	16,688.00	40	Marcellus Shale
WDTN19AHSM	41	4/8/2023	16,404.25	16,527.00	40	Marcellus Shale
WDTN19AHSM	42	4/8/2023	16,243.25	16,366.00	40	Marcellus Shale
WDTN19AHSM	43	4/8/2023	16,082.25	16,205.00	40	Marcellus Shale
WDTN19AHSM	44	4/9/2023	15,921.25	16,044.00	40	Marcellus Shale
WDTN19AHSM	45	4/9/2023	15,760.25	15,883.00	40	Marcellus Shale
WDTN19AHSM	46	4/9/2023	15,599.25	15,722.00	40	Marcellus Shale

09/15/2023

ATTACHMENT 1: WDTN19AHSM 47-061-01899

Well Name	Perf Stage Numer	Date	Top Depth	Bottom Depth	Perfs Open	Reservoir Zone
WDTN19AHSM	47	4/9/2023	14,306.35	14,470.00	40	Marcellus Shale
WDTN19AHSM	48	4/10/2023	14,104.35	14,268.00	40	Marcellus Shale
WDTN19AHSM	49	4/10/2023	13,902.35	14,066.00	40	Marcellus Shale
WDTN19AHSM	50	4/10/2023	13,700.35	13,864.00	40	Marcellus Shale
WDTN19AHSM	51	4/10/2023	13,498.35	13,662.00	40	Marcellus Shale
WDTN19AHSM	52	4/10/2023	13,296.35	13,460.00	40	Marcellus Shale
WDTN19AHSM	53	4/10/2023	13,094.35	13,258.00	40	Marcellus Shale
WDTN19AHSM	54	4/11/2023	12,892.35	13,056.00	40	Marcellus Shale
WDTN19AHSM	55	4/11/2023	12,690.35	12,854.00	40	Marcellus Shale
WDTN19AHSM	56	4/12/2023	12,488.35	12,652.00	40	Marcellus Shale
WDTN19AHSM	57	4/12/2023	12,286.35	12,450.00	40	Marcellus Shale
WDTN19AHSM	58	4/12/2023	12,084.35	12,248.00	40	Marcellus Shale
WDTN19AHSM	59	4/12/2023	11,882.35	12,046.00	40	Marcellus Shale
WDTN19AHSM	60	4/13/2023	11,680.35	11,844.00	40	Marcellus Shale
WDTN19AHSM	61	4/13/2023	11,478.35	11,642.00	40	Marcellus Shale
WDTN19AHSM	62	4/13/2023	11,276.35	11,440.00	40	Marcellus Shale
WDTN19AHSM	63	4/14/2023	11,074.35	11,238.00	40	Marcellus Shale
WDTN19AHSM	64	4/14/2023	10,872.35	11,036.00	40	Marcellus Shale
WDTN19AHSM	65	4/14/2023	10,670.35	10,834.00	40	Marcellus Shale
WDTN19AHSM	66	4/14/2023	10,468.35	10,632.00	40	Marcellus Shale
WDTN19AHSM	67	4/14/2023	10,266.35	10,430.00	40	Marcellus Shale
WDTN19AHSM	68	4/14/2023	10,064.35	10,228.00	40	Marcellus Shale
WDTN19AHSM	69	4/15/2023	9,862.35	10,026.00	40	Marcellus Shale
WDTN19AHSM	70	4/15/2023	9,660.35	9,823.90	40	Marcellus Shale
WDTN19AHSM	71	4/15/2023	9,458.35	9,621.90	40	Marcellus Shale
WDTN19AHSM	72	4/15/2023	9,256.35	9,419.90	40	Marcellus Shale
WDTN19AHSM	73	4/15/2023	9,054.35	9,217.90	40	Marcellus Shale

09/15/2023

ATTACHMENT 2: WDTN19AHSM 47-061-01899

Well Name	Stage #	Start Date	Slurry Rate Avg (bbl/min)	Treat Pressure Avg (psi)	Breakdown Pressure (psi)	Instantaneous Shut-In Pressure (psi)	Proppant Total (lb)	Volume Clean Total (bbl)
WDTN19AHSM	1	3/13/2023	85	10,409.00	7,188.00	5,246.00	412,155.20	8,286.98
WDTN19AHSM	2	3/13/2023	84	11,114.00	6,867.00	5,393.00	486,715.30	8,795.00
WDTN19AHSM	3	3/14/2023	84	10,818.00	6,911.00	6,207.00	478,535.50	8,595.02
WDTN19AHSM	4	3/14/2023	86	10,732.00	7,247.00	6,224.00	491,772.80	9,001.02
WDTN19AHSM	5	3/14/2023	88	11,277.00	8,379.00	6,383.00	375,986.00	7,076.00
WDTN19AHSM	6	3/15/2023	88	11,289.00	7,611.00	6,410.00	390,987.30	7,165.00
WDTN19AHSM	7	3/15/2023	87	11,047.00	7,731.00	6,791.00	392,965.00	7,212.02
WDTN19AHSM	8	3/15/2023	86	11,136.00	7,090.00	6,743.00	376,171.80	6,936.00
WDTN19AHSM	9	3/15/2023	84	11,041.00	7,721.00	6,083.00	392,615.00	6,874.98
WDTN19AHSM	10	3/16/2023	87	10,906.00	9,886.00	6,596.00	408,582.70	6,634.00
WDTN19AHSM	11	3/16/2023	88	10,779.00	7,914.00	6,470.00	403,823.70	6,723.02
WDTN19AHSM	12	3/16/2023	87	11,147.00	7,775.00	5,734.00	389,158.80	6,605.95
WDTN19AHSM	13	3/16/2023	85	11,069.00	8,067.00	5,899.00	373,308.90	6,436.95
WDTN19AHSM	14	3/17/2023	84	10,941.00	7,446.00	6,211.00	387,967.70	6,605.02
WDTN19AHSM	15	3/17/2023	87	11,013.00	7,859.00	5,523.00	395,520.00	6,574.98
WDTN19AHSM	16	3/17/2023	90	11,061.00	7,527.00	5,683.00	375,723.20	6,393.98
WDTN19AHSM	17	3/18/2023	93	10,966.00	7,454.00	6,078.00	387,710.70	6,428.00
WDTN19AHSM	18	3/18/2023	93	10,982.00	7,058.00	6,594.00	400,920.60	6,470.02
WDTN19AHSM	19	3/18/2023	91	11,032.00	6,868.00	6,227.00	379,262.50	6,387.93
WDTN19AHSM	20	3/19/2023	94	10,880.00	7,739.00	6,172.00	498,829.90	7,866.00
WDTN19AHSM	21	3/19/2023	94	10,925.00	7,035.00	6,460.00	483,531.30	7,681.98
WDTN19AHSM	22	3/19/2023	96	10,980.00	8,268.00	6,717.00	477,323.70	7,584.95
WDTN19AHSM	23	3/20/2023	98	10,841.00	6,715.00	5,842.00	478,590.60	7,707.02
WDTN19AHSM	24	3/20/2023	99	10,822.00	6,831.00	6,206.00	488,946.20	7,702.00
WDTN19AHSM	25	3/20/2023	98	10,938.00	6,166.00	6,396.00	474,960.70	7,653.05
WDTN19AHSM	26	3/20/2023	98	10,811.00	7,019.00	6,330.00	487,135.10	7,729.98
WDTN19AHSM	27	3/21/2023	95	10,466.00	7,426.00	6,129.00	493,530.80	7,786.02
WDTN19AHSM	28	3/21/2023	99	10,925.00	7,022.00	6,368.00	477,136.70	7,671.98
WDTN19AHSM	29	3/21/2023	99	10,884.00	7,120.00	6,080.00	487,946.20	7,804.93
WDTN19AHSM	30	3/22/2023	98	10,836.00	8,163.00	5,677.00	482,037.10	7,634.00
WDTN19AHSM	31	3/22/2023	98	10,900.00	7,815.00	6,187.00	489,260.90	7,683.98
WDTN19AHSM	32	3/22/2023	98	10,711.00	7,333.00	6,438.00	482,193.40	7,640.02
WDTN19AHSM	33	3/22/2023	100	10,760.00	7,032.00	5,773.00	481,038.80	7,611.02
WDTN19AHSM	34	3/23/2023	99	10,869.00	7,152.00	5,827.00	470,451.30	7,508.02
WDTN19AHSM	35	3/23/2023	90	10,226.00	7,334.00		468,077.20	7,319.93
WDTN19AHSM	36	3/24/2023	98	10,692.00	7,005.00	6,473.00	478,264.10	10,424.10
WDTN19AHSM	37	4/7/2023	98	10,732.00	7,931.00	6,014.00	491,330.20	8,954.02
WDTN19AHSM	38	4/7/2023	99	10,945.00	7,346.00	6,078.00	483,524.00	8,078.00
WDTN19AHSM	39	4/8/2023	99	10,776.00	7,290.00	6,337.00	476,586.00	7,535.02
WDTN19AHSM	40	4/8/2023	99	10,866.00	7,518.00	6,252.00	477,285.70	7,469.00
WDTN19AHSM	41	4/8/2023	100	10,945.00	7,497.00	6,169.00	490,465.40	7,585.00
WDTN19AHSM	42	4/8/2023	99	10,701.00	7,726.00	6,448.00	465,355.00	7,358.93
WDTN19AHSM	43	4/9/2023	99	10,605.00	7,823.00	5,872.00	469,988.50	7,454.00
WDTN19AHSM	44	4/9/2023	98	11,091.00	7,882.00	6,645.00	482,551.00	7,414.07

09/15/2023

ATTACHMENT 2: WDTN19AHSM 47-061-01899

Well Name	Stage #	Start Date	Slurry Rate Avg (bbl/min)	Treat Pressure Avg (psi)	Breakdown Pressure (psi)	Instantaneous Shut-In Pressure (psi)	Proppant Total (lb)	Volume Clean Total (bbl)
WDTN19AHSM	45	4/9/2023	99	10,744.00	7,591.00	6,536.00	451,087.90	7,354.00
WDTN19AHSM	46	4/9/2023	99	10,482.00	7,345.00	6,106.00	480,617.90	7,551.07
WDTN19AHSM	47	4/9/2023	100	10,567.00	7,572.00	6,322.00	477,042.00	7,491.00
WDTN19AHSM	48	4/10/2023	99	10,389.00	7,789.00	6,580.00	485,385.00	7,541.98
WDTN19AHSM	49	4/10/2023	97	10,500.00	7,517.00	6,528.00	471,011.40	7,327.93
WDTN19AHSM	50	4/10/2023	100	10,443.00	7,551.00	6,002.00	488,863.30	7,490.98
WDTN19AHSM	51	4/10/2023	100	10,533.00	7,271.00	6,220.00	465,457.80	7,401.02
WDTN19AHSM	52	4/10/2023	98	10,322.00	7,614.00	6,006.00	476,491.80	8,747.02
WDTN19AHSM	53	4/10/2023	101	10,207.00	7,238.00	6,433.00	467,655.20	7,345.07
WDTN19AHSM	54	4/11/2023	98	10,507.00	7,773.00	6,236.00	470,070.90	7,339.02
WDTN19AHSM	55	4/12/2023	100	10,624.00	7,496.00	5,981.00	481,457.40	7,295.00
WDTN19AHSM	56	4/12/2023	100	10,513.00	6,654.00	6,366.00	488,425.80	7,395.00
WDTN19AHSM	57	4/12/2023	101	10,409.00	7,067.00	6,072.00	467,002.20	7,332.98
WDTN19AHSM	58	4/12/2023	100	10,310.00	7,552.00	6,550.00	471,961.10	7,329.98
WDTN19AHSM	59	4/13/2023	101	10,332.00	7,031.00	5,939.00	480,811.60	7,367.02
WDTN19AHSM	60	4/13/2023	102	10,153.00	7,347.00	6,228.00	495,342.70	7,271.00
WDTN19AHSM	61	4/13/2023	101	10,115.00	7,468.00	5,624.00	453,298.90	7,180.02
WDTN19AHSM	62	4/13/2023	101	10,011.00	6,770.00	6,083.00	472,966.90	7,369.05
WDTN19AHSM	63	4/14/2023	101	10,013.00	6,985.00	5,609.00	476,699.50	7,391.05
WDTN19AHSM	64	4/14/2023	100	9,923.00	6,813.00	5,818.00	498,353.50	7,385.98
WDTN19AHSM	65	4/14/2023	102	10,007.00	7,339.00	6,259.00	480,930.00	7,150.07
WDTN19AHSM	66	4/14/2023	99	9,784.00	7,016.00	5,382.00	481,694.50	7,192.98
WDTN19AHSM	67	4/14/2023	101	9,817.00	6,957.00	5,922.00	463,600.10	7,058.93
WDTN19AHSM	68	4/14/2023	101	9,902.00	7,231.00	5,771.00	459,669.10	7,120.98
WDTN19AHSM	69	4/15/2023	102	9,778.00	6,985.00	5,674.00	463,938.70	7,069.95
WDTN19AHSM	70	4/15/2023	103	9,975.00	6,826.00	6,029.00	475,168.70	7,007.95
WDTN19AHSM	71	4/15/2023	101	9,839.00	6,494.00	6,188.00	465,465.10	6,966.02
WDTN19AHSM	72	4/15/2023	102	9,756.00	6,620.00	5,551.00	495,606.90	7,184.02
WDTN19AHSM	73	4/15/2023	102	9,598.00	6,709.00	5,897.00	473,909.20	7,910.98

09/15/2023

API:47-061-01899

CNX RESOURCES LLC

WELL NAME: WDTN19AHSM

All depths are referenced to GLE

LITHOLOGIES

LITHOLOGY / FORMATION NAME	TOP DEPTH IN FT TVD	BOTTOM DEPTH IN FT TVD	TOP DEPTH IN FT MD	BOTTOM DEPTH IN FT MD	DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H2S, ETC)
Sand/Siltstone	0	513	0	513	SANDSTONE / TRACES OF SILTSTONE & LIMESTONE & COAL
Washington Coal Seam	513	515	513	515	COAL
Sand/Siltstone	515	603	515	603	SANDSTONE / TRACES OF GRAY SHALE, COAL, QUARTZ & SILTSTONE
Waynesburg A Coal Seam	603	604	603	604	COAL
Sand/Siltstone	604	677	604	677	SANDSTONE & SHALE
Waynesburg B2 Coal Seam	677	679	677	679	COAL
Sand/Siltstone	679	679	679	679	SANDSTONE / TRACES OF SILTSTONE & PYRITE
Waynesburg B1 Coal Seam	679	683	679	683	COAL
Sand/Siltstone	683	938	683	938	SANDSTONE AND SILTSTONE
Sewickley Coal Seam	938	943	938	943	COAL
Sand/Siltstone	943	1,000	943	1,000	SANDSTONE
Roof Coal	1,000	1,002	1,000	1,002	COAL
Sand/Siltstone	1,002	1,025	1,002	1,025	GRAY SHALE
Roof Coal Zone	1,025	1,030	1,025	1,030	COAL
Sand/Siltstone	1,030	1,031	1,030	1,031	GRAY SHALE / TRACES OF SILTSTONE
Pittsburgh Coal Seam	1,031	1,038	1,031	1,038	COAL
Sand/Siltstone	1,038	1,401	1,038	1,401	BLACK SHALE, GAS SHOW
Bakers Town	1,401	1,402	1,401	1,402	GRAY SHALE
Sand/Siltstone	1,402	1,506	1,402	1,506	GRAY SHALE & LIMESTONE
Brush Creek	1,506	1,507	1,506	1,507	BLACK SHALE
Sand/Siltstone	1,507	1,565	1,507	1,565	BLACK SHALE, GAS SHOW
Mahoning	1,565	1,566	1,565	1,566	COAL
Sand/Siltstone	1,566	1,616	1,566	1,616	GRAY SHALE / TRACES OF SILTSTONE
Upper Freeport	1,616	1,616	1,616	1,616	COAL
Gas Sand	1,616	1,656	1,616	1,656	SANDSTONE
Lower Freeport	1,656	1,658	1,656	1,658	COAL
1st Salt Sand	1,658	1,780	1,658	1,780	SANDSTONE
Middle Kittanning Coal Seam	1,780	1,781	1,780	1,781	COAL
Sand/Siltstone	1,781	1,860	1,781	1,860	GRAY SHALE / TRACES OF SILTSTONE
2nd Salt Sand	1,860	2,015	1,860	2,015	SANDSTONE
3rd Salt Sand	2,015	2,249	2,015	2,249	SANDSTONE
Big Lime	2,249	2,331	2,249	2,331	LIMESTONE
Big Injun Top	2,331	2,546	2,331	2,546	SANDSTONE

All depths are referenced to GLE

LITHOLOGIES

LITHOLOGY / FORMATION NAME	TOP DEPTH IN FT TVD	BOTTOM DEPTH IN FT TVD	TOP DEPTH IN FT MD	BOTTOM DEPTH IN FT MD	DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H2S, ETC)
Big Injun Base	2,546	2,912	2,546	2,912	SILTSTONE
Gantz	2,912	3,011	2,912	3,011	SANDSTONE / SILTSTONE
Gant Base	3,011	3,108	3,011	3,108	SILTSTONE
50 Foot Sand	3,108	3,164	3,108	3,164	SANDSTONE / SILTSTONE
50 Foot Sand Base	3,164	3,202	3,164	3,202	SILTSTONE
30 Foot Sand	3,202	3,232	3,202	3,232	SANDSTONE
30 Foot Sand Base	3,232	3,260	3,232	3,260	SILTSTONE
Gordon Sand	3,260	3,332	3,260	3,332	SANDSTONE
Gordon Base	3,332	3,385	3,332	3,385	SILTSTONE
Fourth Sand	3,385	3,390	3,385	3,390	SANDSTONE
Fourth Sand Base	3,390	3,574	3,390	3,571	SILTSTONE
Fifth Sand	3,574	3,656	3,571	3,651	SANDSTONE
Fifth Sand Base	3,656	4,946	3,651	4,785	SILTSTONE
Bradford	4,946	5,676	4,785	5,405	SANDSTONE
Elk	5,676	5,960	5,405	5,646	SILTSTONE / GREY SHALE
2nd Elk	5,960	7,315	5,646	6,797	SILTSTONE / GREY SHALE
Rhinestreet	7,315	7,664	6,797	7,093	GREY SHALE
Cashaqua	7,664	8,028	7,093	7,402	GREY SHALE
Middlesex	8,028	8,165	7,402	7,513	GREY SHALE
West River	8,165	8,428	7,513	7,699	GREY SHALE
Burket Shale	8,428	8,469	7,699	7,723	GREY SHALE
Tully Limestone	8,469	8,533	7,723	7,758	LIMESTONE / GRAY SHALE
Hamilton Shale	8,533	8,889	7,758	7,876	GREY SHALE
Upper Marcellus	8,889	8,964	7,876	7,883	BLACK SHALE
Middle Marcellus	8,964	9,009	7,883	7,884	BLACK SHALE
Cherry Valley	9,009	9,087	7,884	7,884	LIMESTONE
Lower Middle Marcellus	9,087		7,884		BLACK SHALE
Onondaga Limestone					LIMESTONE

Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	3/13/2023
Job End Date:	4/15/2023
State:	West Virginia
County:	Monongalia
API Number:	47-061-01899-00-00
Operator Name:	CNX Gas Company LLC
Well Name and Number:	WDTN19AHSM
Latitude:	39.69327600
Longitude:	-80.33531500
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	7,910
Total Base Water Volume (gal):	22,679,370
Total Base Non Water Volume:	0



Hydraulic Fracturing Fluid Composition:

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments
Water	CNX	Carrier/Base Fluid	Water	7732-18-5	100.00000	84.74149	None
Sand	US Silica	Proppant	Crystalline Silica in the form of Quartz	14808-60-7	99.90000	15.00320	None
StimSTREAM 9800	CHEMSTREAM	Friction Reducer	Alkanes, C16-20-iso-	90622-59-6	25.00000	0.02147	None
			Butene, homopolymer	9003-29-6	25.00000	0.02147	None
			Ethoxylated alcohols	68213-23-0	3.00000	0.00258	None
HCL Acid (28%)	CHEMSTREAM	Acidizing	Hydrochloric Acid	7647-01-0	28.00000	0.03315	None
CoilSTREAM VB 625	CHEMSTREAM	Gelling Agent	Heavy Aliphatic Naphtha	64742-96-7	60.00000	0.00232	None
			Guar Gum	9000-30-0	50.00000	0.00193	None
			Trade Secret	9043-30-5	5.00000	0.00019	None
			Trade Secret	1338-43-8	3.00000	0.00012	None
			Trade Secret	14808-60-7	3.00000	0.00012	None
Clearal 268	CHEMSTREAM	Biocide					

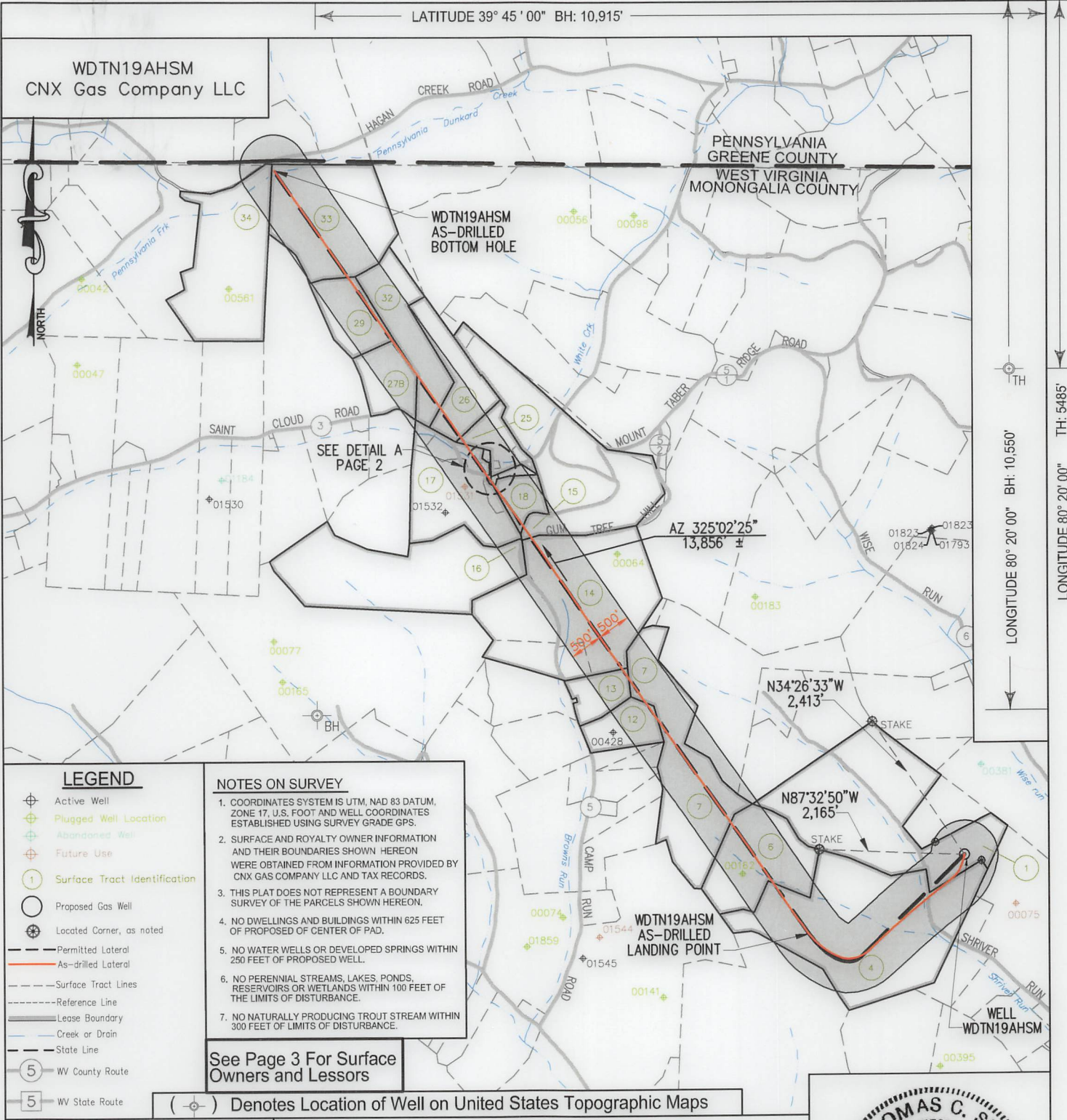
			Glutaraldehyde	111-30-8	20.00000	0.00220	None
			Alkyl dimethyl benzyl ammonium chloride	68391-01-5	3.00000	0.00033	None
			Didecyl dimethyl ammonium chloride	7173-51-5	3.00000	0.00033	None
StimStream SC 398	CHEMSTREAM	Scale Inhibitor					
			Bis(HexaMethylene Triamine Penta(Methylene Phosphonic Acid) (BHMT)	34690-00-1	10.00000	0.00194	None
ACI-250	CHEMSTREAM	Acid corrosion inhibitor					
			Methanol	67-56-1	45.00000	0.00026	None
			Ethylene glycol	107-21-1	20.00000	0.00011	None
			Trade Secret	72480-70-7	15.00000	0.00009	None
			N,N-Dimethylformamide	68-12-2	10.00000	0.00006	None
			2-Butoxyethanol	111-76-2	5.00000	0.00003	None
Citric Acid 50%	CHEMSTREAM	Iron Control Agent					
			citric acid	77-92-9	50.50000	0.00039	None
Ammonium Persulfate	CHEMSTREAM	Breaker					
			Ammonium Persulfate	7727-54-0	100.00000	0.00038	None
Ingredients shown above are subject to 29 CFR 1910.1200(i) and appear on Material Safety Data Sheets (MSDS). Ingredients shown below are Non-MSDS.							
Other Chemical(s)	Listed Above	See Trade Name(s) List					
			Butene, homopolymer	9003-29-6	25.00000	0.02147	
			Ethoxylated alcohols	68213-23-0	3.00000	0.00258	
			Guar Gum	9000-30-0	50.00000	0.00193	
			Alkyl dimethyl benzyl ammonium chloride	68391-01-5	3.00000	0.00033	
			Didecyl dimethyl ammonium chloride	7173-51-5	3.00000	0.00033	
			Trade Secret	9043-30-5	5.00000	0.00019	
			Trade Secret	14808-60-7	3.00000	0.00012	
			Trade Secret	1338-43-8	3.00000	0.00012	
			Ethylene glycol	107-21-1	20.00000	0.00011	
			Trade Secret	72480-70-7	15.00000	0.00009	
			N,N-Dimethylformamide	68-12-2	10.00000	0.00006	
			2-Butoxyethanol	111-76-2	5.00000	0.00003	

* Total Water Volume sources may include fresh water, produced water, and/or recycled water

** Information is based on the maximum potential for concentration and thus the total may be over 100%

Note: For Field Development Products (products that begin with FDP), MSDS level only information has been provided.

Ingredient information for chemicals subject to 29 CFR 1910.1200(i) and Appendix D are obtained from suppliers Material Safety Data Sheets (MSDS)



LEGEND

- Active Well
- Plugged Well Location
- Abandoned Well
- Future Use
- Surface Tract Identification
- Proposed Gas Well
- Located Corner, as noted
- Permitted Lateral
- As-drilled Lateral
- Surface Tract Lines
- Reference Line
- Lease Boundary
- Creek or Drain
- State Line
- WV County Route
- WV State Route

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 OBTAINED FROM INFORMATION PROVIDED BY CNX GAS COMPANY LLC AND TAX RECORDS.
3. THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
4. NO DWELLINGS AND BUILDINGS WITHIN 625 FEET OF PROPOSED CENTER OF PAD.
5. NO 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 LIMITS OF DISTURBANCE.

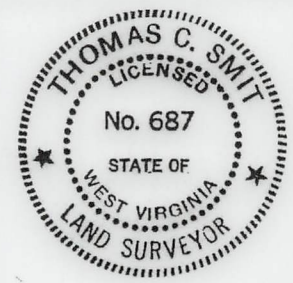
See Page 3 For Surface Owners and Lessors

() Denotes Location of Well on United States Topographic Maps



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

Thomas C. Smit
L. L. S. 687



FILE NO:
DRAWING NO:
SCALE: 1" = 2000'
MINIMUM DEGREE OF ACCURACY: 1:2500
PROVEN SOURCE OF ELEVATION: NGS CORS Station



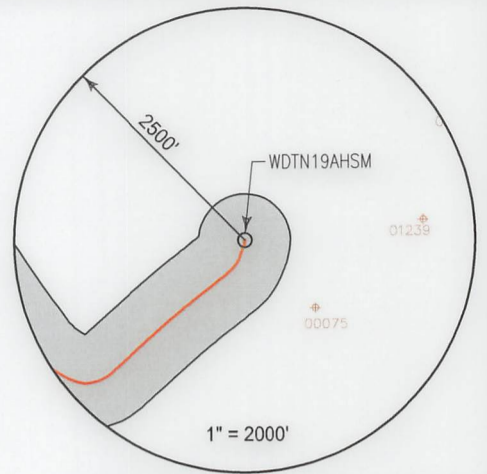
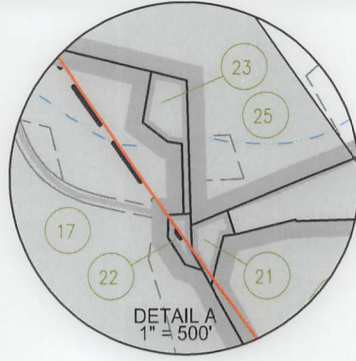
DATE: JUNE 08 20 23
OPERATORS WELL NO:
API WELL NO 47 - 061 - 01899
STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
LOCATION ELEVATION: 1264.30' WATERSHED: Dunkard Creek QUADRANGLE: Wadestown
DISTRICT: Batelle COUNTY: Monongalia
SURFACE OWNER: CNX Gas Company LLC ACREAGE: 96.91 ±
ROYALTY OWNER: Three Rivers Royalty II, LLC, et al LEASE NO: 205228000 ACREAGE: 96.91 ±
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: 7,913'

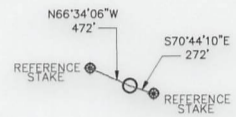
WELL OPERATOR: CNX Gas Company LLC DESIGNATED AGENT: Anthony Kendziora
ADDRESS: 1000 Horizon Vue Drive ADDRESS: 1000 Horizon Vue Drive
Canonsburg, PA 15317 Canonsburg, PA 15317

AS-DRILLED

WDTN19AHSM
CNX Gas Company LLC



Well References



1" = 2000'

WDTN19AHSM

SURFACE HOLE LOCATION (SHL)

UTM 17 NAD 83
N: 4393925.918
E: 556990.604
NAD 83, WV NORTH
N: 435719.4558
E: 1733449.107
LAT/LON DATUM NAD 83
LAT: 39°41'35.795"
LON: 80°20'07.134"
LANDING POINT
UTM 17 NAD 83
N: 4393564.005
E: 556288.708
NAD 83, WV NORTH
N: 434570.369
E: 1731126.089
LAT/LON DATUM NAD 83
LAT: 39°41'24.224"
LON: 80°20'36.713"

WDTN19 WELL PAD

- WDN19EHSM
- WDN19DHSM ○ WDN19BHSM
- WDN19CHSM ○ WDN19FHSM
- WDN19AHSM ○ WDN19RHSM

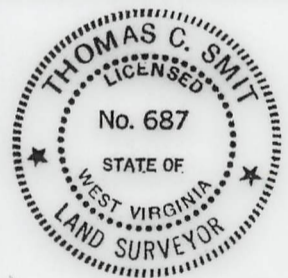
BOTTOM HOLE LOCATION (BHL)

UTM 17 NAD 83
N: 4396983.257
E: 553812.206
NAD 83, WV NORTH
N: 445926.010
E: 1723187.250
LAT/LON DATUM NAD 83
LAT: 39° 43' 15.702"
LON: 80° 22' 19.679"



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: JUNE 08 20 23
OPERATORS WELL NO: _____
API WELL NO: 47 - 061 - 01899
STATE COUNTY PERMIT

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

LOCATION ELEVATION: 1264.30' WATERSHED: Dunkard Creek QUADRANGLE: Wadestown
DISTRICT: Batelle COUNTY: Monongalia

SURFACE OWNER: CNX Gas Company LLC ACREAGE: 99.91 ±
ROYALTY OWNER: Three Rivers Royalty II, LLC, et al LEASE NO: 205228000 ACREAGE: 96.91 ±

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: 7,913'

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

AS-DRILLED

TRACT ID	SURFACE OWNER	LESSOR	PIN
1	CNX Gas Company LLC	Hugh Kirkland Jack T. Livengood and Mary Jo Livengood Barbara Haning Diane H. Gonclaves, individually and co-executor of the Edward Lee North Estate Patrick Lee North Melissa Kubishke Catherine C. Kirkland Louise H. Berg, as Trustee o the The Louise H. Berg Revocable Trust Sherry Lemons Christine A. Kirkland, as Trustee of the Christine A. Kirkland Trust Pamela Jayne Brewer, as Trustee of the Pamela Jayne Brewer Revocable Trust Stephen D. Kirkland and Julie D. Kirkland, Trustees of the Kirkland Family Revocable Trust dated 9/2/1998 Catherine Haning Coleman, f/k/a Catherine G. Haning Zachary C. Haning Mary Hennen A. E. Hennen, III Morgan Haning Sarah C. Sheridan Kathleen Farmer Anne W. Haning David Michael Hennen John K. Hennen Robert Douglas Hennen Elizabeth L. March Three Rivers Royalty, II, LLC Debora Rae Manning, a/k/a Deborah R. Manning, a/k/a Debora R. Manning and Robert Manning, w/h Kathryn Rew Becker and Michael Compton, w/h BOKF, N.A. as Sole Trustee of the Alma Kirkland Revocable Trust Gail T. Bellucci Northeast Natural Energy, LLC	1-8-9
4	Troy David Beckner, ET AL	Mary Jane Beckner, Life Estate, widow and Troy David Beckner and Janet Lee Smith, Remaindermen, JTROS Antero Resources Corporation	1-8-10
6	Troy David Beckner, ET AL	Elizabeth A. Cosmides f/k/a Elizabeth A. Peppler Mary Jane Beckner, Life Estate, a widow; Troy David Beckner and Janet Lee Smith, Remainderman as Joint Tenants, both married persons dealing in their sole and separate properties Antero Resources Corporation	1-9-43

09/15/2023

TRACT ID	SURFACE OWNER	LESSOR	PIN
7	Rose Thomas, ET AL	Rose Thomas, aka Rose L. Thomas	1-9-42
		Sarah C. Sheridan, a married woman dealing in her sole and separate property	
		Gail T. Bellucci, a married woman dealing in her sole and separate property	
		Hugh Kirkland	
		BOKF, NA, as Sole Trustee of the Alma Kirkland Revocable Trust	
		Sherry Lemons	
		Melissa Kubishke	
		Pamela Jayne Brewer, as Trustee of the Pamela Jayne Brewer Revocable Trust	
		Stephen D. Kirkland and Julie D. Kirkland, Trustees of the Kirkland Family Revocable Trust dated September 2, 1998	
		Louise H. Berg, Trustee of the Louise H. Berg Revocable Trust	
		Christine A. Kirkland, as Trustee of the Christine A. Kirkland Trust	
		Catherine Kirkland	
		Dorothy A. Hammer, divorced	
		David B. Haines and Jeanette C. Haines, husband and wife	
		Barbara Thomas, a widow	
		Constance A. Corey, fka Constance Ann Haines and Robert Corey, wife and husband	
		Lisa Craig, divorced	
		Kathleen Costner, fka Kathy Figueroa, divorced	
		Mark A. Macale, single	
		Mike E. Macale, single	
		June Fulton, fka Jane Fulton, herein dealing with her sole and separate property	
		Faye B. Sigman, fka Faye Arnold Buckley, herein dealing with her sole and separate property	
		Michelle Woods, f/k/a Michelle Brienne Haines, a married woman, dealing in her sole and separate property	
		Terri Attinger fka Terri Devlin and Richard C. Attinger, wife and husband	
		Jerilyn R. Baucum, married, herein dealing with her sole and separate property	
		Julie Ann Griffis and Gary Griffis, wife and husband	
		William Lee Haines, Jr., herein dealing with his sole and separate property	
		Phillip Ronald Laws	
		Glynis Marion, f/k/a Glynis Lane	
		Larry J. Miller, Jr.	
		Pepe Patrick Jack Miller, fka Pat Miller and Kelly Anne Miller, husband and wife	
		Kris Laws Miller and Robin McClary, her wife	
		Raymond Wayne Frye, divorced	
		Rosalie J. Capshaw, widowed	
		Jean Banks, a widow	
		Kathleen Farmer, a married woman dealing in her sole and separate property	
		A. E. Hennen, III, a married man dealing in his sole and separate property	
		John K. Hennen, a single man	
		David Michael Hennen, a married man dealing in his sole and separate property	
		Mary Hennen, a single woman	
		Robert Douglas Hennen, a single man	
		Morgan Haning	
		Anne W. Haning, a single woman	
		Zachary C. Haning, a married man dealing in his sole and separate property	
		Catherine Haning Coleman	
		Carlos Saucedo	
		Ezra Charles McDaniel	
		Patrick James Saucedo	
		Barbara Haning	
		Patrick Lee North, individually and as co-executor of the Edward Lee North Estate	
		Diane H. Goncalves, individually and as co-executor of the Edward Lee North Estate	
		Shawn R. Haines, single	
		Jerry R. Haines, II, a married man, dealing with his sole and separate property	
		Tonya Huntoon, a married woman, dealing in her sole and separate property	

09/15/2023

TRACT ID	SURFACE OWNER	LESSOR	PIN
12	Agreement No. 291925000 Rose Thomas, ET AL	George Shriver, himself and as Guardian of J. M. Shriver Lucy White and Edward White, her husband Dennis Haines, F.E. Liming and Ethel Liming, his wife Dennis Haines, F.E. Liming and Ethel Liming, his wife Dennis Haines, F.E. Liming and Ethel Liming, his wife The Philadelphia Company of West Virginia Pittsburgh and West Virginia Gas Company Equitable Gas Company Equitrans, Inc Equitrans, L.P. Tri-County Oil & Gas, Inc, Leatherwood, Inc.	1-9-40

TRACT ID	SURFACE OWNER	LESSOR	PIN
13	Rose Thomas, ET AL	Rose Thomas, aka Rose L. Thomas Sarah C. Sheridan, a married woman dealing in her sole and separate property Gail T. Bellucci, a married woman dealing in her sole and separate property BOKF, NA, as Sole Trustee of the Alma Kirkland Revocable Trust Sherry Lemons, a married woman dealing in her sole and separate property Melissa Kubishke, a married woman dealing in her sole and separate property Pamela Jayne Brewer, as Trustee of the Pamela Jayne Brewer Revocable Trust Stephen D. Kirkland and Julie D. Kirkland, Trustees of the Kirkland Family Revocable Trust dated September 2, 1998 Louise H. Berg, as Trustee of the Louise H. Berg Revocable Trust Christine A. Kirkland, as Trustee of the Christine A. Kirkland Trust Catherine C. Kirkland, a single woman Morgan Haning Anne W. Haning, a single woman Zachary C. Haning, a married man dealing in his sole and separate property Catherine Haning Coleman Kathleen Farmer, a married woman dealing in her sole and separate property A. E. Hennen, III, a married man dealing in his sole and separate property John K. Hennen, a single man David Michael Hennen, a married man dealing in his sole and separate property Mary Hennen, a single woman Robert Douglas Hennen, a single man Barbara Haning Hugh Kirkland, a married man dealing in his sole and separate property Patrick Lee North, individually and as co-executor of the Edward Lee North Estate Diane H. Goncalves, individually and as co-executor of the Edward Lee North Estate	1-9-40.2

14	Richard J & Linda Ann Cassone	John Samuel Stewart, a married man acting with his sole and separate property	1-9-18
14	Curtis L & Diana B Thomas	Samuel William Stewart and Barbara C. Stewart, individually and as husband and wife	1-9-18.1 1-9-18.3
14	Zachary R & Jacqueline E Phillips		1-9-18.2
		Merrion Oil and Gas Corporation Hu's Land & Minerals, LLC EQT Production Company Richard J. Cassone and Linda Ann Cassone, husband and wife Harold Creel and Martha Ann Creel, husband and wife James Creel, a married man dealing in his sole and separate property	09/15/2023

TRACT ID	SURFACE OWNER	LESSOR	PIN
15	Glenn Lowell While & Sharron Ruth White Bartholomew	Elizabeth A. Martineau, a/k/a, Elizabeth Ada Snyder, a/k/a/, Elizabeth Snyder Martineau Rebecca Snyder Bromley, a/k/a Alice Rebecca Snyder Bromley James Brant Snyder Sharon White Bartholomew, a/k/a Sharon R. W. Bartholomew, a/k/a, Sharon Ruth White Bartholomew David T. White and Sarah K. White, h/w Glenn L. White, individually and as trustee of Glenn L. White Trust Alice T. Boone Eldon Bryant Tucker and Brenda Sue Tucker Charles Tucker and Barbara Arpino-Tucker Robert Earl Tucker and Patricia Ruth Tucker David Tucker James Tucker and Flora Siu Tucker Cheryl Molesky Laurence D. Hare James F. Hare III and Christine A. Hare Deborah Horton, Trustee and Beneficiary of the Ronald L. Horton Revocable Living Trust XTO Energy, Inc.	1-9-16
16	CONSOL Mining Company LLC	Bounty Mineral, LLC	1-9-19
17	Glenn L White Trust & Phyliss Jean White Trust	Marian Rebecca Stone Garrett	1-9-9 1-9-9.2
17	Blaine Huff	Patricia Kathleen White Hoekstra	1-9-9.1 1-9-9.4
17	Michael Todd Stiles & Charles W Stiles	David C. White a/k/a David Charles White and Regina S. White a/k/a Regina Sue White	1-9-9.5
17	CNX CPC LLC	Carol Sue Davis Richard H. Benson, II Edwin Ray White, II Anita Susan Talbott Robert L. Tate, Jr. Robert S. Elliott Donald Edward Stone Doris Jean White David Ray Stone Bettyann Reed Mary Ann Borkowski and Marc Borkowski Jan W. Ellison and Thomas A. Ellison Jane W. McIntyre and Glenn C. McIntyre Lucy Mae Sticklely Nancy Emerick Marsha W. Byers and Stephen R. Byers Edith B. White (Daniel Reed White Heirs) Alvy Scott White Karen Imogene Meyer Candace L. McPheron Howard L. Leckey Dennis F. Hatton, Jr. Melinda Reid Hatton Three Rivers Royalty II, LLC Frederick C. Tate Amanda Hatton	1-9-9.6
18	CNX RCPC LLC	Terra Firma Company	1-9-15.3
21	Michael Todd Stiles, ET AL	Michael Todd Stiles, a single man Charles W. Stiles, a single man Ralph Benjamin Henderson, a/k/a Benjamin Henderson, single David W. Henderson Mary K. Martindale, a/k/a Mary Kay Martindale, widow Nancy Edward Henderson, a/k/a Nancy Henderson, single Jeanne E, Bryner, a/k/a E. Jeanne Bryner	1-9-15 09/15/2023

TRACT ID	SURFACE OWNER	LESSOR	PIN
22	Michael Todd & Charles W Stiles	Marian Rebecca Stone Garrett	1-9-10
		Patricia Kathleen White Hoekstra	
		David C. White a/k/a David Charles White and Regina S. White a/k/a Regina Sue White	
		Carol Sue Davis	
		Richard H. Benson, II	
		Edwin Ray White, II	
		Anita Susan Talbott	
		Robert L. Tate, Jr.	
		Robert S. Elliott	
		Donald Edward Stone	
		Doris Jean White	
		David Ray Stone	
		Bettyann Reed	
		Mary Ann Borkowski and Marc Borkowski	
		Jan W. Ellison and Thomas A. Ellison	
		Jane W. McIntyre and Glenn C. McIntyre	
		Lucy Mae Stickle	
		Nancy Emerick	
		Marsha W. Byers and Stephen R. Byers	
		Edith B. White (Daniel Reed White Heirs)	
		Alvy Scott White	
		Karen Imogene Meyer	
		Candace L. McPheron	
		Howard L. Leckey	
		Melinda Reid Hatton	
		Three Rivers Royalty II, LLC	
		Frederick C. Tate	
		Dennis F. Hatton, Jr.	
		Amanda Hatton	
23	White Family Reunion & Cemetery Association	Marian Rebecca Stone Garrett	1-9-9.3
		Patricia Kathleen White Hoekstra	
		David C. White a/k/a David Charles White and Regina S. White a/k/a Regina Sue White	
		Carol Sue Davis	
		Richard H. Benson, II	
		Edwin Ray White, II	
		Anita Susan Talbott	
		Robert L. Tate, Jr.	
		Robert S. Elliott	
		Donald Edward Stone	
		Doris Jean White	
		David Ray Stone	
		Bettyann Reed	
		Mary Ann Borkowski and Marc Borkowski	
		Jan W. Ellison and Thomas A. Ellison	
		Jane W. McIntyre and Glenn C. McIntyre	
		Lucy Mae Stickle	
		Nancy Emerick	
		Marsha W. Byers and Stephen R. Byers	
		Edith B. White (Daniel Reed White Heirs)	
		Alvy Scott White	
		Karen Imogene Meyer	
		Candace L. McPheron	
		Howard L. Leckey	
		Melinda Reid Hatton	
		Three Rivers Royalty II, LLC	
		Frederick C. Tate	
		Dennis F. Hatton, Jr.	
		Amanda Hatton	
25	Gualverto C Gorostieta & Jennifer L Hall	Ralph Benjamin Henderson, a/k/a Benjamin Henderson	1-9-11 1-9-12 1-9-13
25	Sharon White Bartholomew	Nancy Edwards Henderson, a/k/a Nancy Henderson	1-9-14
		Jeanne E. Bryner, a/k/a Jeanne Bryner	
		Mary K. Martindale, a/k/a Mary Kay Martindale	
		David W. Henderson	
		Gary A. Stiles, a/k/a Gary Allen Stiles, by Bertha J. Stiles, as AIF	

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TRACT ID	SURFACE OWNER	LESSOR	PIN
26	Gram P Herod & Lisa R Lambert	James L. Laurita, Sr. Family Limited Partnership, a West Virginia Limited Partnership by JTT. LLC it's General Partner Shuman, Inc.	1-2-10
27B	Kevin Hartley, ET UX., ET AL	Kevin Hartley and Linda Hartley, h/w	1-2-9
29	Paul David & Hope A Beck	Bounty Minerals, LLC Chrysanthe E. Taylor a/k/a Chris Taylor, a widowed woman, by Bradley K. Taylor, as Attorney-in-Fact Linda Suzann Miller, as Trustee for the Generation-Skipping Trust FBO Linda Suzann Miller under the Last Will and Testament of Pauline M. Taylor dated August 24. 2001 Larry C. Taylor, as Trustee for the Generation-Skipping Trust FBO Larry C. Taylor under the Last Will and Testament of Pauline M. Taylor dated August 24. 2001 Dixie Taylor Sturm	1-2-8
32	Gram P Herod & Lisa R Lambert	James L. Laurita Sr. Family Limited Partnership by JTT, LLC, It's General Partner Shuman, Inc.	1-2-11
33	CONSOL Mining Company LLC	Flossie Kimble, widow of S. E. Kimble, Denzle Kimble and Olive Irene Wright Kimble, h/w Consolidation Coal Company	1-2-12
34	CONSOL Mining Company LLC	Flossie Kimble, widow of S. E. Kimble, Denzle Kimble and Olive Irene Wright Kimble, h/w Consolidation Coal Company Aliakbar Afshari Amir H. Mohammadi EQT Production Company	1-2-5

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