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west virginia department of environmental protection

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Office of Oil and Gas  
601 57<sup>th</sup> Street, S.E.  
Charleston, WV 25304  
(304) 926-0450  
fax: (304) 926-0452

Harold D. Ward, Cabinet Secretary  
[www.dep.wv.gov](http://www.dep.wv.gov)

Thursday, October 17, 2024

WELL WORK PLUGGING PERMIT  
Coal Bed Methane Well Plugging

DIVERSIFIED PRODUCTION LLC  
101 MCQUISTON DRIVE

JACKSON CENTER, PA 16133

Re: Permit approval for SC17  
47-061-01581-00-00

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

Upon completion of the plugging well work, the above named operator will reclaim the site according to the provisions of WV Code 22-6-30. Please be advised that form WR-38, Affidavit of Plugging and Filling Well, 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: SC17  
Farm Name: CONSOLIDATION COAL CO  
U.S. WELL NUMBER: 47-061-01581-00-00  
Coal Bed Methane Well Plugging  
Date Issued: 10/17/2024

## PERMIT CONDITIONS

West Virginia Code § 22-6-11 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.

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### CONDITIONS

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1. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
2. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
3. Well work activities shall not constitute a hazard to the safety of persons.
4. 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.

4706101581P

WW-4B  
Rev. 2/01

- 1) Date June 28, 2024
- 2) Operator's Well No. SC17
- 3) API Well No. 47-061-01581

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

APPLICATION FOR A PERMIT TO PLUG AND ABANDON A CBM WELL

- 4) Well Type: Oil  / Gas  / Liquid injection  / Waste disposal  /  
(If "Gas, Production  or Underground storage  ) Deep  / Shallow
- 5) Location: Elevation 1336.46' Watershed Miller Run of North Fork  
District Batelle County Monongalia Quadrangle Hundred 7.5'
- 6) Well Operator Diversified Production, LLC 7) Designated Agent Chris Veazey  
Address 414 Summers Street Address 414 Summers Street  
Charleston, WV 25301 Charleston, WV 25301
- 8) Oil and Gas Inspector to be notified Name Gayne Knitowski  
Address 21 Enegy Way  
Gormanian, WV 26720
- 9) Plugging Contractor Name Next LVL Energy (Diversified Owned)  
Address 104 Helliport Loop Rd  
Bridgeport, WV 25330

10) Work Order: The work order for the manner of plugging this well is as follows:

**See Attached**

WELL SC17 IS THE PRODUCTION WELL THAT THE 4 LATERAL LEGS INTERSECT, AND BRING THE ACCUMULATED CBM GAS TO THE SURFACE.

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Notification must be given to the district oil and gas inspector 24 hours before permitted work can commence.

Work order approved by inspector Gayne Knitowski, Inspector Date 6-28-2024

Digitally signed by Gayne Knitowski, Inspector  
Date: 2024.06.28 11:52:15 -0400

10/18/2024

4706101581P

**Plugging Prognosis**

API #: 4706101581

West Virginia, Monongalia County

Lat/Long – 39.689451, -80.378277

Nearest ER: WHS Greene Emergency Room – 350 Bonar Ave, Waynesburg, PA 15370

**Casing Schedule**

13-3/8" @ 42' (Sanded In)

9 5/8" @ 379.8' (Cemented w/ 135 sks)

7" @ 1335.30' (Cemented w/ 130 sks)

TD listed as 1410' – listed on Form WR-35

KOP in access well (47-061-01582) Estimated @ 822'

~ 728' is where CIBP WAS TO BE SET IN SC17A (ACCESS WELL).

Lateral lengths taken from directional drilling reports in well file

4.75" O.H. – 0.1231 ft<sup>3</sup>/ft – 0.0219 bbl/ft – 0.9206 gal/ft

- SC17 East Center Leg
  - Pittsburgh Coal: 4167'-822' = 3345' x 0.0219 bbl/ft = 74 BBL x 1.25 = 93 BBL
- SC17 East Leg
  - Pittsburgh Coal: 3907'-1714' = 2193' x 0.0219 bbl/ft = 48 BBL x 1.25 = 60 BBL
- SC17 West Center Leg
  - Pittsburgh Coal: 4760'-1395' = 3365' x 0.0219 bbl/ft = 74 BBL x 1.25 = 93 BBL
- SC17 West Leg
  - Pittsburgh Coal: 3463'-1804' = 1659' x 0.0219 bbl/ft = 37 BBL x 1.25 = 47 BBL
- Total Lateral Volume = 233 BBLs x 1.25 = 292 BBLs including 25% Excess

Fresh Water: 300' – listed on Form WR-35

Salt Water: None listed

Gas Shows: None listed

Oil Shows: None listed

Coal: 702', 774', 1095'-1105' - listed on Form WR-35

Elevation: 1346.74'

1. Notify Inspector Gayne Knitowski @ (304)-546-8171, 48 hrs prior to commencing operations
2. Record pressure on csg.
3. TOOH w/ any production equipment, rods/tbg/etc.
4. Kill well as needed with 6% bentonite gel. Once well is killed, load wellbore with gel to a minimum of 125% capacity (292 BBLs).
5. TIH w/ tbg to 1155'. Pump 503' **Expanding Class L** cement plug from **1155' to 652' (Completion/Coal Plug)**. WOC. Tag TOC. Top off as needed. **Do not omit any plugs listed below. Perforate as needed.**
6. Confirm 7" csg is cemented to surface. If not, free point 7" csg. Cut & TOOH.

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7. TOO H w/ tbg to top of plug. Pump 6% bentonite gel from 652' to 350'.
8. TOO H w/ tbg to 350'. Pump 350' Class L cement plug from 350' to Surface (Fresh Water & Surface Plug).
9. Reclaim site and set monument per WV DEP regulations.

Gayne  
Knitowski,  
Inspector

Digitally signed by  
Gayne Knitowski,  
Inspector  
Date: 2024.06.28  
11:57:31 -04'00'

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State of West Virginia  
Department of Environmental Protection  
Office of Oil and Gas

Well Operator's Report of Well Work

Farm name: CNX GAS COMPANY LLC Operator Well No.: SC-17

LOCATION: Elevation: 1346.74' Quadrangle: Hunderd WV-PA 7.5'

*AS*

District: BATTELLE County: Monongalia  
Latitude:            Feet South of 39 Deg. 41 Min. 21.73 Sec.  
Longitude:            Feet West of 80 Deg. 22 Min. 42.52 Sec.

Company: CNX Gas Company, LLC

	Casing & Tubing	Used in drilling	Left in well	Cement Fill Up (# of Sacks)
Address: 2481 John Nash BLVD	13 5/8"	42'	42'	SANDED IN
Bluefield Wv 24701	9 5/8"	379.80'	379.80'	135 SKS
Agent: Les Arrington	7"	1335.30'	1335.30'	130 SKS
Inspector: Bill Hatfield				
Date Permit Issued: 9/02/08				
Date Well Work Commenced: 9/17/08				
Date Well Work Completed: 9/30/08				
Verbal Plugging:				
Date Permission granted on:				
Rotary Cable <u>(Rig)</u>				
Total Depth (feet): 1410'				
Fresh Water Depth (ft.): 300'				
Salt Water Depth (ft.): N/A				
Is coal being mined in area (N/Y)? No				
Coal Depths (ft.): 702', 774', 1095'-1105'				

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OPEN FLOW DATA

Producing formation Pittsburgh COAL SEAM depth (ft) 1095'-1105'  
Gas: Initial open flow            MCF/d Oil: Initial open flow            Bbl/d  
Final open flow            MCF/d Final open flow            Bbl/d  
Time of open flow between initial and final tests            Hours  
Static rock Pressure            psig (surface pressure) after            Hours

Second producing formation            Pay zone depth (ft)             
Gas: Initial open flow            MCF/d Oil: Initial open flow            Bbl/d  
Final open flow            MCF/d Final open flow            Bbl/d  
Time of open flow between initial and final tests            Hours  
Static rock Pressure            psig (surface pressure) after            Hours

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NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

Gas Well DOE SC-17 (API No. 47-6101581) is a horizontal well for CNX Gas Company, LLC. Refer to the attached information for additional information.

Signed: *Geoff Fanning*  
By: Geoff Fanning Drilling Manager  
Date: 11/9/09

**ATTACHMENT A****Marshall County CBM Well No. SC-17 PG Drill Log**

API #47-6101581

<b>Depth</b>	<b>Description</b>
GL	FILL
GL-10'	SHALE
10'-20'	SAND
20'-25'	SHALE
25'-30'	RR
30'-38'	SHALE
38'-50'	SAND
50'-65'	SHALE
65'-85'	SAND
85'-115'	SHALE
115'-180'	SAND
180'-225'	SHALE
225'-300'	SAND
300'-375'	SHALE
375'-430'	SAND
430'-461'	SHALE
461'-490'	SAND
490'-493'	RR
493'- 538'	SAND
538'-590'	SHALE
590'-592'	RR
592'-670'	SHALE
670'-700'	SAND
700'-702'	COAL

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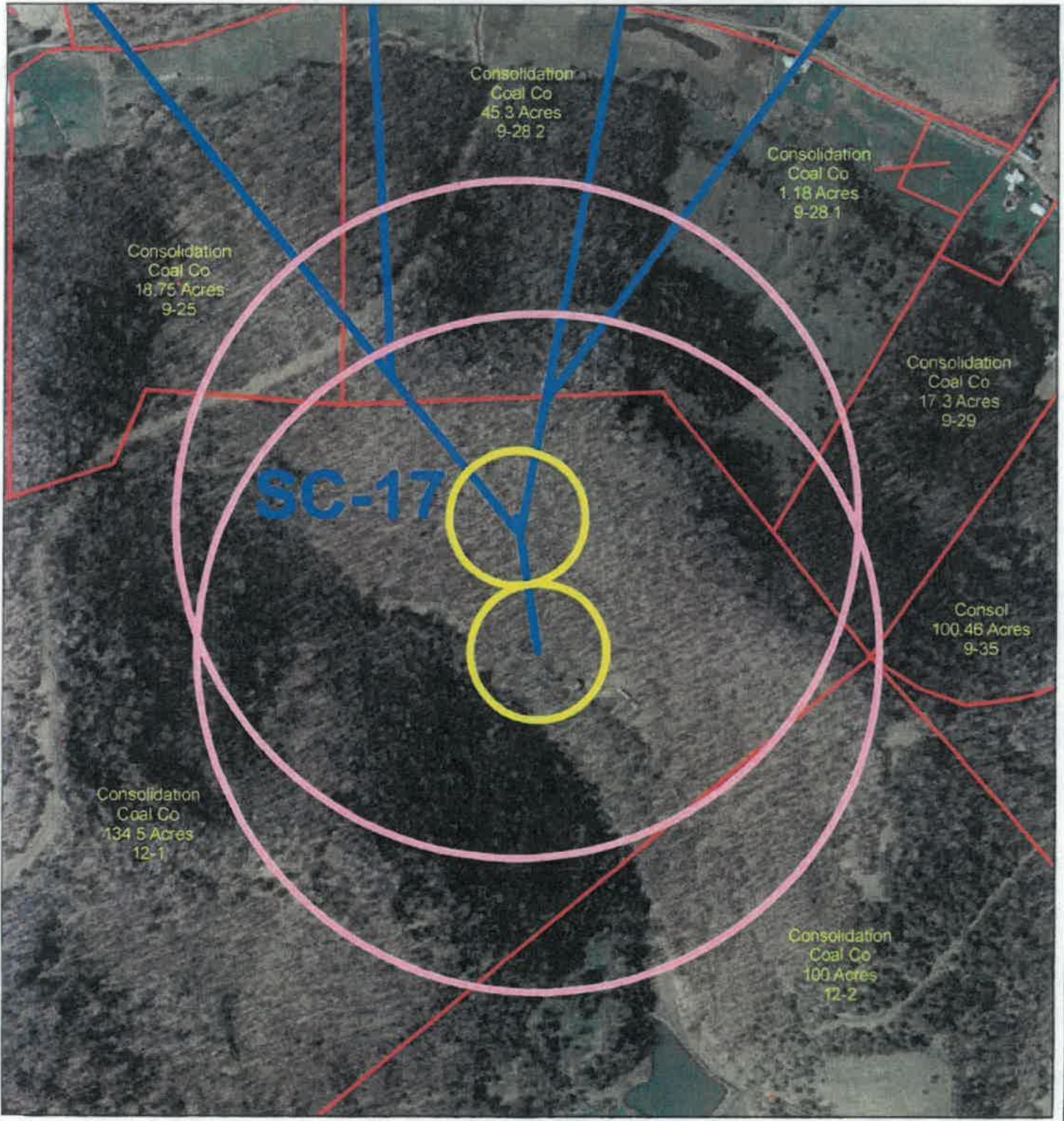
10/18/2024

4706101581P

702'-728'	SHALE
728'-770'	SAND
770'-774'	COAL
774'-830'	SAND
830'-835'	RR
835'-836'	COAL
836'-935'	SHALE
935'-995'	SAND
995'-1035'	SHALE
1035'-1095'	SAND
1095'-1105'	COAL
1105'-1110'	SHALE
1110'-1145'	SAND
1145'-1235'	SHALE
1235'-1267'	SAND
1267'-1340'	SHALE
1340'-1410'	TD

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Consolidation Coal Co  
45.3 Acres  
9-28.2

Consolidation Coal Co  
1.18 Acres  
9-28.1

Consolidation Coal Co  
18.75 Acres  
9-25

Consolidation Coal Co  
17.3 Acres  
9-29

Consol  
100.46 Acres  
9-35

Consolidation Coal Co  
134.5 Acres  
12-1

Consolidation Coal Co  
100 Acres  
12-2

**SC-17**

JUN 02 2008



WV Department of Environmental Protection

**CNX GAS COMPANY LLC  
BLUEFIELD, WEST VIRGINIA**

**ST. CLOUD PROJECT  
MONONGALIA COUNTY WEST VIRGINIA**



**Legend**

-  = 200' Radius From Well Bores
-  = 1000' Radius From Well Bores

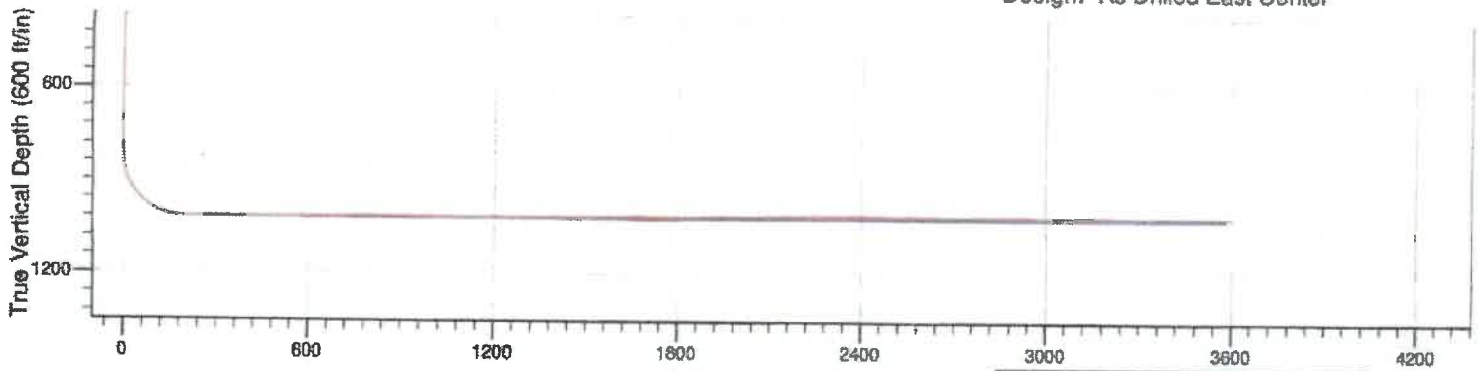
LOCATION MAP SC-17		DRAWING NUMBER FIGURE 1	
CONFIDENTIAL	DRAWN: PC	DATE: 05/05/2008	
ATTORNEY - CLIENT	CHKD: TE	DATE: 05/05/2008	
PRIVILEGED	APPD:	DATE:	
	SCALE:	AS SHOWN	
REVISION NO. DATE	0 200 400 600		
#1 05/05/2008	Scale in 10/18/2024		

4706101581

# CNX Gas Company, LLC



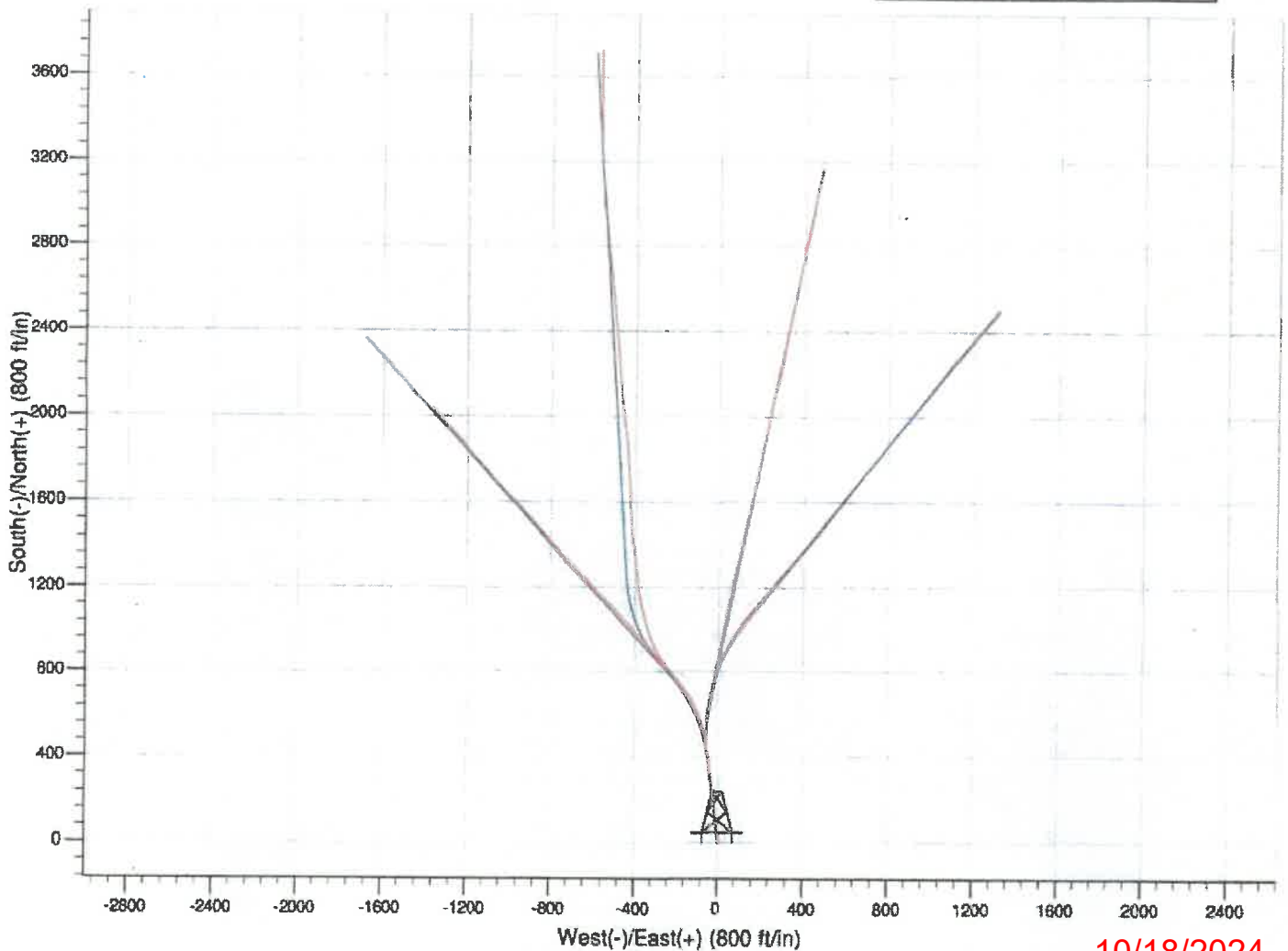
Project: Monongalia County  
Site: Monongalia County, WV  
Well: SC-17  
Wellbore: SC-17 Build & E. C. Leg  
Design: As Drilled East Center



Vertical Section at 8.57° (600 ft/in)

**M** **T**  
Azimuths to True North  
Magnetic North: -8.67°

Magnetic Field  
Strength: 53068.4snT  
Dip Angle: 67.58°  
Date: 9/19/2008  
Model: IGRF2005



10/18/2024

4706101581

# **CNX Gas Company,LLC**

**Monongalia County  
Monongalia County, WV  
SC-17**

**SC-17 Build & E. C. Leg**

**Survey: Survey #1**

## **Standard Survey Report**

**21 October, 2008**

10/18/2024

Survey Report

<b>Company:</b>	CNX Gas Company, LLC	<b>Local Co-ordinate Reference:</b>	Well SC-17
<b>Project:</b>	Monongalia County	<b>TVD Reference:</b>	WELL @ 0.00ft (Original Well Elev)
<b>Site:</b>	Monongalia County, WV	<b>MD Reference:</b>	WELL @ 0.00ft (Original Well Elev)
<b>Well:</b>	SC-17	<b>North Reference:</b>	True
<b>Wellbore:</b>	SC-17 Build & E. C. Leg	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	As Drilled East Center	<b>Database:</b>	2003.21 Single User Dbase

<b>Project</b>	Monongalia County		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Ground Level
<b>Geo Datum:</b>	North American Datum 1983		Using Well Reference Point
<b>Map Zone:</b>	West Virginia Northern Zone		

<b>Site</b>	Monongalia County, WV				
<b>Site Position:</b>		<b>Northing:</b>	422,660.35ft	<b>Latitude:</b>	39° 39' 28.077 N
<b>From:</b>	Lat/Long	<b>Easting:</b>	1,748,595.97ft	<b>Longitude:</b>	80° 16' 51.909 W
<b>Position Uncertainty:</b>	0.00 ft	<b>Slot Radius:</b>		<b>Grid Convergence:</b>	-0.50 °

<b>Well</b>	SC-17					
<b>Well Position</b>	<b>+N/-S</b>	0.00 ft	<b>Northing:</b>	422,660.35 ft	<b>Latitude:</b>	39° 39' 28.077 N
	<b>+E/-W</b>	0.00 ft	<b>Easting:</b>	1,748,595.97 ft	<b>Longitude:</b>	80° 16' 51.909 W
<b>Position Uncertainty</b>		0.00 ft	<b>Wellhead Elevation:</b>	ft	<b>Ground Level:</b>	0.00ft

<b>Wellbore</b>	SC-17 Build & E. C. Leg				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination</b>	<b>Dip Angle</b>	<b>Field Strength</b>
	IGRF2005	9/19/2008	(°)	(°)	(nT)
			-8.68	67.58	53,068

<b>Design:</b>	As Drilled East Center				
<b>Audit Notes:</b>					
<b>Version:</b>	1.0	<b>Phase:</b>	ACTUAL	<b>Tie On Depth:</b>	0.00
<b>Vertical Section:</b>	<b>Depth From (TVD)</b>	<b>+N/-S</b>	<b>+E/-W</b>	<b>Direction</b>	
	(ft)	(ft)	(ft)	(°)	
	0.00	0.00	0.00	8.57	

<b>Survey Program</b>	Date: 10/21/2008				
<b>From</b>	<b>To</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>	
(ft)	(ft)				
50.00	4,167.00	Survey #1 (SC-17 Build & E. C. Leg)			

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50.00	0.62	16.60	50.00	0.26	0.08	0.27	1.24	1.24	0.00
100.00	0.24	334.90	100.00	0.61	0.11	0.62	0.94	-0.76	-83.40
150.00	0.09	293.90	150.00	0.72	0.03	0.72	0.36	-0.30	-82.00
200.00	0.46	123.20	200.00	0.63	0.16	0.65	1.10	0.74	-341.40
250.00	0.65	111.70	249.99	0.42	0.59	0.50	0.44	0.38	-23.00
300.00	0.49	90.10	299.99	0.31	1.07	0.47	0.53	-0.32	-43.20
350.00	0.26	161.80	349.99	0.20	1.32	0.40	0.95	-0.46	143.40
400.00	0.85	166.60	399.99	-0.27	1.44	-0.05	1.18	1.18	9.60
450.00	0.84	138.90	449.98	-0.90	1.77	-0.63	0.81	-0.02	-55.40
500.00	1.26	135.90	499.97	-1.57	2.39	-1.20	0.85	0.84	-6.00
550.00	0.94	117.20	549.97	-2.16	3.14	-1.66	0.95	-0.64	-37.40
600.00	0.59	120.90	599.96	-2.48	3.72	-1.89	0.71	-0.70	7.40

Survey Report

<b>Company:</b>	CNX Gas Company, LLC	<b>Local Co-ordinate Reference:</b>	Well SC-17
<b>Project:</b>	Monongalia County	<b>TVD Reference:</b>	WELL @ 0.00ft (Original Well Elev)
<b>Site:</b>	Monongalia County, WV	<b>MD Reference:</b>	WELL @ 0.00ft (Original Well Elev)
<b>Well:</b>	SC-17	<b>North Reference:</b>	True
<b>Wellbore:</b>	SC-17 Build & E. C. Leg	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	As Drilled East Center	<b>Database:</b>	2003.21 Single User Dbase

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
650.00	0.66	138.20	649.96	-2.82	4.14	-2.18	0.40	0.14	34.60
700.00	0.85	154.00	699.95	-3.37	4.49	-2.66	0.56	0.38	31.60
750.00	0.50	163.80	749.95	-3.91	4.72	-3.17	0.73	-0.70	19.60
800.00	0.74	34.30	799.95	-3.86	4.96	-3.07	2.25	0.48	-259.00
820.00	1.17	27.50	819.95	-3.57	5.13	-2.77	2.22	2.15	-34.00
842.00	6.20	2.50	841.89	-2.18	5.28	-1.37	23.47	22.88	-113.64
874.00	15.30	357.20	873.30	3.77	5.15	4.50	28.58	28.44	-16.56
906.00	23.80	353.30	903.43	14.42	4.19	14.89	26.86	26.56	-12.19
938.00	32.60	351.30	931.60	29.39	2.13	29.38	27.65	27.50	-6.25
970.00	41.00	350.30	957.20	48.29	-0.95	47.61	26.32	26.25	-3.13
1,001.00	51.90	352.90	978.53	70.49	-4.18	69.07	35.68	35.16	8.39
1,033.00	63.70	352.80	995.55	97.31	-7.55	95.09	36.88	36.88	-0.31
1,068.00	74.30	352.50	1,007.36	127.82	-11.49	124.68	32.13	32.12	-0.91
1,098.00	79.70	351.50	1,014.56	158.68	-15.83	154.55	17.15	16.88	-3.13
1,114.00	82.10	351.70	1,017.09	174.31	-18.13	169.66	15.05	15.00	1.25
1,130.00	84.70	351.90	1,018.93	190.04	-20.40	184.87	16.30	16.25	1.25
1,162.00	90.00	352.20	1,020.41	221.69	-24.82	215.51	16.59	16.56	0.94
1,194.00	92.60	352.70	1,019.68	253.40	-29.02	246.24	8.27	8.13	1.56
1,225.00	91.60	351.90	1,018.55	284.10	-33.17	275.98	4.13	-3.23	-2.58
1,240.00	89.60	351.10	1,018.39	298.93	-35.39	290.32	14.36	-13.33	-5.33
1,257.00	88.50	352.30	1,018.67	315.75	-37.85	306.58	9.58	-6.47	7.06
1,273.00	88.70	353.10	1,019.06	331.61	-39.88	321.97	5.15	1.25	5.00
1,282.00	88.90	353.90	1,019.25	340.55	-40.90	330.65	9.16	2.22	8.89
1,289.00	89.10	354.10	1,019.37	347.52	-41.63	337.43	4.04	2.86	2.86
1,299.00	89.30	353.90	1,019.51	357.48	-42.67	347.11	2.83	2.00	-2.00
1,309.00	89.40	352.60	1,019.63	367.39	-43.85	356.75	13.04	1.00	-13.00
1,314.00	89.40	352.40	1,019.68	372.35	-44.50	361.55	4.00	0.00	-4.00
1,353.00	90.60	351.70	1,019.68	410.97	-49.89	398.94	3.56	3.08	-1.79
1,397.00	89.30	353.80	1,019.72	454.62	-55.45	441.27	5.61	-2.95	4.77
1,430.00	88.50	357.70	1,020.35	487.51	-57.89	473.44	12.06	-2.42	11.82
1,461.00	90.20	359.50	1,020.70	518.50	-58.65	503.96	7.99	5.48	5.81
1,494.00	90.70	2.20	1,020.44	551.49	-58.16	536.66	8.32	1.52	8.18
1,525.00	91.90	5.60	1,019.74	582.41	-58.05	567.54	11.63	3.87	10.97
1,555.00	90.80	8.20	1,019.03	612.18	-52.45	597.52	9.41	-3.67	8.67
1,587.00	90.10	10.90	1,018.78	643.73	-47.14	629.51	8.72	-2.19	8.44
1,619.00	89.30	13.80	1,018.95	674.99	-40.30	661.44	9.40	-2.50	9.06
1,651.00	90.80	14.30	1,018.92	706.03	-32.53	693.29	4.94	4.69	1.56
1,683.00	91.80	12.50	1,018.19	737.15	-25.12	725.17	6.43	3.13	-5.63
1,714.00	90.90	9.90	1,017.46	767.54	-19.10	756.12	8.87	-2.90	-8.39
1,746.00	89.90	9.40	1,017.24	799.09	-13.73	788.12	3.49	-3.13	-1.56
1,778.00	90.20	11.00	1,017.21	830.58	-8.07	820.10	5.09	0.94	5.00
1,810.00	90.20	11.20	1,017.10	861.98	-1.91	852.07	0.62	0.00	0.63
1,842.00	89.60	10.80	1,017.16	893.40	4.20	884.04	2.25	-1.88	-1.25
1,874.00	88.70	11.60	1,017.63	924.78	10.41	916.00	3.76	-2.81	2.50
1,905.00	88.90	11.00	1,018.28	955.18	16.49	946.96	2.04	0.65	-1.94
1,937.00	88.80	12.20	1,018.92	986.51	22.92	978.91	3.76	-0.31	3.75
1,969.00	88.70	10.70	1,019.62	1,017.87	29.27	1,010.86	4.70	-0.31	-4.69
2,001.00	89.70	10.80	1,020.07	1,049.30	35.24	1,042.84	3.14	3.13	0.31
2,033.00	90.10	10.80	1,020.12	1,080.74	41.24	1,074.81	1.25	1.25	0.00
2,063.00	89.60	12.40	1,020.20	1,110.12	47.27	1,104.77	5.59	-1.67	5.33
2,095.00	89.90	11.60	1,020.34	1,141.42	53.92	1,136.71	2.67	0.94	-2.50
2,127.00	89.70	11.10	1,020.45	1,172.80	60.22	1,168.67	1.68	-0.63	-1.56
2,159.00	90.00	12.70	1,020.54	1,204.11	66.82	1,200.62	5.09	0.94	5.00
2,191.00	90.10	12.40	1,020.51	1,235.34	73.77	1,232.54	0.99	0.31	-0.94

Survey Report

Company: CNX Gas Company, LLC  
 Project: Monongalia County  
 Site: Monongalia County, WV  
 Well: SC-17  
 Wellbore: SC-17 Build & E. C. Leg  
 Design: As Drilled East Center

Local Co-ordinate Reference: Well SC-17  
 TVD Reference: WELL @ 0.00ft (Original Well Elev)  
 MD Reference: WELL @ 0.00ft (Original Well Elev)  
 North Reference: True  
 Survey Calculation Method: Minimum Curvature  
 Database: 2003.21 Single User Dbase

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
2,222.00	90.30	12.20	1,020.40	1,265.63	80.37	1,263.47	0.91	0.65	-0.65
2,254.00	90.00	11.40	1,020.32	1,296.96	86.92	1,295.42	2.67	-0.94	-2.50
2,286.00	90.10	12.40	1,020.29	1,328.27	93.52	1,327.37	3.14	0.31	3.13
2,317.00	91.00	11.70	1,019.99	1,358.58	99.99	1,358.31	3.68	2.90	-2.26
2,348.00	91.50	10.60	1,019.32	1,388.99	105.98	1,389.27	3.90	1.61	-3.55
2,380.00	90.80	11.80	1,018.67	1,420.37	112.20	1,421.23	4.34	-2.19	3.75
2,414.00	89.50	13.12	1,018.58	1,453.57	119.53	1,455.15	5.45	-3.82	3.88
2,446.00	89.60	12.80	1,018.84	1,484.75	126.71	1,487.05	1.05	0.31	-1.00
2,478.00	92.30	13.60	1,018.31	1,515.90	134.01	1,518.94	8.80	8.44	2.50
2,510.00	93.30	14.20	1,016.74	1,546.93	141.69	1,550.77	3.64	3.13	1.88
2,541.00	90.80	13.50	1,015.63	1,577.00	149.11	1,581.61	8.37	-8.06	-2.26
2,573.00	90.10	12.90	1,015.38	1,608.16	156.41	1,613.51	2.88	-2.19	-1.88
2,605.00	89.90	12.50	1,015.38	1,639.37	163.45	1,645.42	1.40	-0.63	-1.25
2,637.00	89.30	12.20	1,015.61	1,670.63	170.29	1,677.35	2.10	-1.88	-0.94
2,669.00	88.60	12.00	1,016.19	1,701.92	177.00	1,709.29	2.28	-2.19	-0.63
2,701.00	90.00	12.10	1,016.58	1,733.21	183.68	1,741.22	4.39	4.38	0.31
2,732.00	91.00	12.00	1,016.31	1,763.52	190.15	1,772.17	3.24	3.23	-0.32
2,764.00	90.50	11.20	1,015.89	1,794.87	196.58	1,804.12	2.95	-1.56	-2.50
2,795.00	90.70	11.10	1,015.57	1,825.28	202.58	1,835.08	0.72	0.65	-0.32
2,827.00	91.40	11.80	1,014.98	1,856.65	208.87	1,867.04	2.69	2.19	1.56
2,859.00	90.60	13.00	1,014.42	1,887.91	215.69	1,898.97	5.04	-2.50	4.38
2,890.00	90.50	12.60	1,014.13	1,918.14	222.56	1,929.88	1.33	-0.32	-1.29
2,922.00	90.00	12.60	1,013.99	1,949.37	229.54	1,961.80	1.56	-1.56	0.00
2,954.00	90.00	12.40	1,013.99	1,980.61	236.46	1,993.73	0.63	0.00	-0.63
2,986.00	90.80	12.40	1,013.76	2,011.86	243.34	2,025.66	2.50	2.50	0.00
3,018.00	91.20	12.70	1,013.20	2,043.09	250.29	2,057.57	1.56	1.25	0.94
3,050.00	89.90	12.50	1,012.90	2,074.32	257.27	2,089.49	4.11	-4.06	-0.63
3,080.00	88.10	12.10	1,013.42	2,103.62	263.66	2,119.42	6.15	-6.00	-1.33
3,112.00	89.00	12.20	1,014.23	2,134.90	270.39	2,151.35	2.83	2.81	0.31
3,142.00	90.40	12.50	1,014.39	2,164.20	276.81	2,181.28	4.77	4.67	1.00
3,174.00	91.60	12.10	1,013.83	2,195.46	283.62	2,213.21	3.95	3.75	-1.25
3,206.00	90.50	11.50	1,013.24	2,226.78	290.17	2,245.15	3.92	-3.44	-1.88
3,237.00	90.10	10.50	1,013.08	2,257.21	296.08	2,276.12	3.47	-1.29	-3.23
3,269.00	90.30	11.40	1,012.97	2,288.62	302.16	2,308.10	2.88	0.63	2.81
3,301.00	91.10	11.50	1,012.58	2,319.99	308.51	2,340.05	2.52	2.50	0.31
3,333.00	91.10	10.70	1,011.96	2,351.38	314.67	2,372.02	2.50	0.00	-2.50
3,365.00	89.70	9.50	1,011.74	2,382.88	320.28	2,404.00	5.76	-4.38	-3.75
3,397.00	88.40	9.00	1,012.27	2,414.46	325.42	2,436.00	4.35	-4.06	-1.56
3,428.00	88.60	10.10	1,013.08	2,445.02	330.57	2,468.98	3.61	0.65	3.55
3,460.00	88.90	11.50	1,013.78	2,476.45	336.56	2,498.95	4.47	0.94	4.38
3,492.00	89.40	11.50	1,014.26	2,507.80	342.94	2,530.90	1.56	1.56	0.00
3,524.00	91.00	11.90	1,014.14	2,539.13	349.43	2,562.85	5.15	5.00	1.25
3,556.00	89.20	12.40	1,014.09	2,570.42	356.16	2,594.79	5.84	-5.63	1.56
3,588.00	89.50	11.80	1,014.45	2,601.70	362.87	2,626.73	2.10	0.94	-1.88
3,618.00	89.10	12.20	1,014.82	2,631.04	369.11	2,656.67	1.89	-1.33	1.33
3,650.00	90.50	12.50	1,014.93	2,662.30	375.95	2,688.60	4.47	4.38	0.94
3,682.00	89.60	12.30	1,014.90	2,693.56	382.82	2,720.53	2.88	-2.81	-0.63
3,713.00	90.20	12.20	1,014.96	2,723.85	389.40	2,751.46	1.96	1.94	-0.32
3,744.00	90.60	12.20	1,014.74	2,754.15	395.95	2,782.40	1.29	1.29	0.00
3,778.00	89.60	12.90	1,014.68	2,785.38	402.90	2,814.32	3.81	-3.13	2.19
3,808.00	89.60	11.70	1,014.91	2,816.65	409.72	2,846.25	3.75	0.00	-3.75
3,840.00	90.10	11.50	1,014.99	2,847.99	416.16	2,878.21	1.68	1.56	-0.63
3,871.00	90.70	11.50	1,014.77	2,878.37	422.34	2,909.17	1.94	1.94	0.00
3,903.00	88.50	11.50	1,015.00	2,909.73	428.71	2,941.12	6.88	-6.88	0.00

## Survey Report

<b>Company:</b> CNX Gas Company,LLC	<b>Local Co-ordinate Reference:</b> Well SC-17
<b>Project:</b> Monongalia County	<b>TVD Reference:</b> WELL @ 0.00ft (Original Well Elev)
<b>Site:</b> Monongalia County, WV	<b>MD Reference:</b> WELL @ 0.00ft (Original Well Elev)
<b>Well:</b> SC-17	<b>North Reference:</b> True
<b>Wellbore:</b> SC-17 Build & E. C. Leg	<b>Survey Calculation Method:</b> Minimum Curvature
<b>Design:</b> As Drilled East Center	<b>Database:</b> 2003.21 Single User Dbase

**Survey**

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
3,935.00	88.60	10.90	1,015.81	2,941.11	434.93	2,973.08	1.90	0.31	-1.88
3,967.00	89.20	10.70	1,016.42	2,972.53	440.92	3,005.05	1.98	1.88	-0.63
3,999.00	89.80	10.60	1,016.70	3,003.98	446.84	3,037.03	1.90	1.88	-0.31
4,031.00	90.10	10.40	1,016.73	3,035.44	452.67	3,069.01	1.13	0.94	-0.63
4,062.00	91.40	10.50	1,016.32	3,065.93	458.29	3,099.99	4.21	4.19	0.32
4,094.00	92.20	11.20	1,015.32	3,097.34	464.31	3,131.95	3.32	2.50	2.19
4,126.00	90.40	11.10	1,014.59	3,128.73	470.50	3,163.90	5.63	-5.63	-0.31
4,141.00	90.40	9.90	1,014.49	3,143.47	473.23	3,178.90	8.00	0.00	-8.00
4,167.00	90.40	9.90	1,014.31	3,169.09	477.70	3,204.89	0.00	0.00	0.00

Checked By: _____	Approved By: _____	Date: _____
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4706101581

# **CNX Gas Company,LLC**

**Monongalia County  
Monongalia County, WV  
SC-17**

**SC-17 E. Leg**

**Survey: Survey #1**

## **Standard Survey Report**

**21 October, 2008**

10/18/2024



4706101581

Survey Report

<b>Company:</b> CNX Gas Company, LLC	<b>Local Co-ordinate Reference:</b> Well SC-17
<b>Project:</b> Monongalia County	<b>TVD Reference:</b> WELL @ 0.00ft (Original Well Elev)
<b>Site:</b> Monongalia County, WV	<b>MD Reference:</b> WELL @ 0.00ft (Original Well Elev)
<b>Well:</b> SC-17	<b>North Reference:</b> True
<b>Wellbore:</b> SC-17 E. Leg	<b>Survey Calculation Method:</b> Minimum Curvature
<b>Design:</b> As Drilled East Leg	<b>Database:</b> 2003.21 Single User Dbase

<b>Project</b> Monongalia County	<b>System Datum:</b> Ground Level
<b>Map System:</b> US State Plane 1983	<b>Using Well Reference Point</b>
<b>Geo Datum:</b> North American Datum 1983	
<b>Map Zone:</b> West Virginia Northern Zone	

<b>Site</b> Monongalia County, WV	
<b>Site Position:</b>	<b>Northing:</b> 422,660.35ft
<b>From:</b> Lat/Long	<b>Latitude:</b> 39° 39' 28.077 N
<b>Position Uncertainty:</b> 0.00 ft	<b>Easting:</b> 1,748,595.97ft
	<b>Longitude:</b> 80° 16' 51.909 W
	<b>Slot Radius:</b> "
	<b>Grid Convergence:</b> -0.50 °

<b>Well</b> SC-17	
<b>Well Position</b> +N/-S 0.00 ft	<b>Northing:</b> 422,660.35 ft
+E/-W 0.00 ft	<b>Latitude:</b> 39° 39' 28.077 N
<b>Position Uncertainty</b> 0.00 ft	<b>Easting:</b> 1,748,595.97 ft
	<b>Longitude:</b> 80° 16' 51.909 W
	<b>Wellhead Elevation:</b> ft
	<b>Ground Level:</b> 0.00ft

<b>Wellbore</b> SC-17 E. Leg	
<b>Magnetics</b>	<b>Model Name</b> IGRF2005
	<b>Sample Date</b> 9/19/2008
	<b>Declination</b> (-8.68)
	<b>Dip Angle</b> (67.58)
	<b>Field Strength</b> (53,068 nT)

<b>Design</b> As Drilled East Leg	
<b>Audit Notes:</b>	
<b>Version:</b> 1.0	<b>Phase:</b> ACTUAL
	<b>Tie On Depth:</b> 1,677.00
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>
	<b>+N/-S (ft)</b>
	<b>+E/-W (ft)</b>
	<b>Direction (°)</b>
	0.00 0.00 0.00 27.63

<b>Survey Program</b>	<b>Date</b> 10/21/2008
<b>From (ft)</b>	<b>To (ft)</b>
50.00	1,677.00
1,714.00	3,907.00
	<b>Survey (Wellbore)</b>
	Survey #1 (SC-17 Build & E. C. Leg)
	Survey #1 (SC-17 E. Leg)
	<b>Tool Name</b>
	<b>Description</b>

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
1,677.00	91.61	12.84	1,018.37	731.29	-26.43	635.62	0.00	0.00	0.00
1,714.00	89.00	19.00	1,018.18	766.85	-16.29	671.83	18.09	-7.06	16.66
1,748.00	88.50	21.90	1,018.87	796.83	-5.11	703.56	9.19	-1.56	9.06
1,778.00	87.70	24.40	1,019.93	826.23	7.46	735.45	8.20	-2.50	7.81
1,810.00	89.20	26.30	1,020.80	855.14	21.16	767.41	7.56	4.69	5.94
1,842.00	92.00	28.10	1,020.47	883.59	35.78	799.40	10.40	8.75	5.63
1,874.00	90.60	28.80	1,019.74	911.72	51.02	831.39	4.89	-4.38	2.19
1,905.00	89.20	31.40	1,019.79	938.54	66.56	862.36	9.53	-4.52	8.39
1,937.00	89.20	33.80	1,020.24	965.49	83.80	894.23	7.50	0.00	7.50
1,969.00	90.30	37.00	1,020.38	991.57	102.34	925.93	10.57	3.44	10.00
2,001.00	90.70	36.70	1,020.10	1,017.18	121.53	957.52	1.56	1.25	-0.94
2,033.00	89.90	37.70	1,019.93	1,042.67	140.87	989.07	4.00	-2.50	3.13

Survey Report

4706101581

<b>Company:</b>	CNX Gas Company, LLC	<b>Local Co-ordinate Reference:</b>	Well SC-17
<b>Project:</b>	Monongalia County	<b>TVD Reference:</b>	WELL @ 0.00ft (Original Well Elev)
<b>Site:</b>	Monongalia County, WV	<b>MD Reference:</b>	WELL @ 0.00ft (Original Well Elev)
<b>Well:</b>	SC-17	<b>North Reference:</b>	True
<b>Wellbore:</b>	SC-17 E. Leg	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	As Drilled East Leg	<b>Database:</b>	2003.21 Single User Dbase

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N-S (ft)	+E-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
2,063.00	90.30	37.50	1,019.88	1,066.43	159.18	1,018.62	1.49	1.33	-0.67
2,095.00	89.20	38.20	1,020.02	1,091.70	178.81	1,050.11	4.07	-3.44	2.19
2,127.00	90.10	39.50	1,020.22	1,116.62	198.88	1,081.50	4.94	2.81	4.06
2,159.00	91.40	39.30	1,019.80	1,141.35	219.19	1,112.82	4.11	4.06	-0.63
2,191.00	90.30	37.70	1,019.32	1,166.39	239.11	1,144.24	6.07	-3.44	-5.00
2,222.00	90.70	38.30	1,019.05	1,190.81	258.20	1,174.73	2.33	1.29	1.94
2,254.00	89.90	38.80	1,018.88	1,215.84	278.14	1,208.16	2.95	-2.50	1.56
2,286.00	89.60	38.20	1,019.02	1,240.88	298.06	1,237.58	2.10	-0.94	-1.88
2,317.00	89.80	38.80	1,019.19	1,265.14	317.35	1,268.02	2.04	0.65	1.94
2,348.00	91.40	38.30	1,018.86	1,289.38	336.67	1,298.46	5.41	5.16	-1.61
2,380.00	90.50	37.70	1,018.33	1,314.60	356.37	1,329.93	3.38	-2.81	-1.88
2,412.00	90.30	38.60	1,018.11	1,339.76	376.14	1,361.39	2.88	-0.63	2.81
2,444.00	90.30	40.40	1,017.94	1,364.45	396.49	1,392.71	5.62	0.00	5.63
2,476.00	89.90	40.40	1,017.88	1,388.82	417.23	1,423.92	1.25	-1.25	0.00
2,508.00	91.00	40.10	1,017.63	1,413.24	437.91	1,455.14	3.56	3.44	-0.94
2,538.00	91.20	39.60	1,017.06	1,436.27	457.12	1,484.46	1.79	0.67	-1.67
2,571.00	90.20	39.40	1,016.65	1,461.73	478.11	1,516.75	3.09	-3.03	-0.61
2,603.00	89.80	39.10	1,016.65	1,486.51	498.36	1,548.10	1.56	-1.25	-0.94
2,635.00	90.60	39.20	1,016.54	1,511.33	518.56	1,579.45	2.52	2.50	0.31
2,667.00	91.00	39.10	1,016.10	1,536.14	538.76	1,610.80	1.29	1.25	-0.31
2,699.00	91.70	38.20	1,015.34	1,561.12	558.74	1,642.20	3.56	2.19	-2.81
2,730.00	90.30	37.60	1,014.80	1,585.58	577.78	1,672.70	4.91	-4.52	-1.94
2,762.00	88.80	38.40	1,015.05	1,610.80	597.48	1,704.18	5.31	-4.69	2.50
2,793.00	89.50	37.80	1,015.51	1,635.19	616.61	1,734.66	2.97	2.26	-1.94
2,825.00	89.80	36.60	1,015.71	1,660.68	635.96	1,766.21	3.87	0.94	-3.75
2,857.00	90.50	37.50	1,015.62	1,686.21	655.24	1,797.78	3.56	2.19	2.81
2,888.00	89.20	38.70	1,015.70	1,710.61	674.36	1,828.26	5.71	-4.19	3.87
2,920.00	89.70	38.00	1,016.01	1,735.70	694.22	1,859.70	2.69	1.56	-2.19
2,952.00	89.40	38.60	1,016.26	1,760.81	714.05	1,891.15	2.10	-0.94	1.88
2,984.00	89.90	37.70	1,016.46	1,785.98	733.82	1,922.61	3.22	1.56	-2.81
3,016.00	90.00	39.00	1,016.49	1,811.07	753.67	1,954.05	4.07	0.31	4.06
3,048.00	90.60	38.40	1,016.32	1,836.05	773.68	1,985.46	2.65	1.88	-1.88
3,080.00	90.40	37.20	1,016.04	1,861.33	793.29	2,016.95	3.80	-0.63	-3.75
3,112.00	90.10	38.60	1,015.90	1,886.58	812.95	2,048.44	4.47	-0.94	4.38
3,142.00	89.80	40.50	1,015.93	1,909.71	832.05	2,077.79	6.41	-1.00	6.33
3,174.00	90.40	40.80	1,015.87	1,933.99	852.89	2,108.97	2.10	1.88	0.94
3,206.00	91.40	39.70	1,015.37	1,958.41	873.57	2,140.19	4.65	3.13	-3.44
3,237.00	90.20	39.20	1,014.93	1,982.34	893.26	2,170.53	4.19	-3.87	-1.61
3,269.00	90.80	38.70	1,014.66	2,007.23	913.38	2,201.91	2.44	1.88	-1.56
3,301.00	89.80	38.90	1,014.49	2,032.17	933.43	2,233.30	3.19	-3.13	0.63
3,333.00	89.20	38.80	1,014.77	2,057.09	953.50	2,264.69	1.90	-1.88	-0.31
3,365.00	87.90	38.30	1,015.58	2,082.10	973.44	2,296.10	4.35	-4.06	-1.56
3,397.00	88.60	38.00	1,016.55	2,107.26	993.19	2,327.55	2.38	2.19	-0.94
3,428.00	90.20	38.10	1,016.88	2,131.67	1,012.30	2,358.03	5.17	5.16	0.32
3,460.00	92.30	38.60	1,016.18	2,156.76	1,032.15	2,389.46	6.75	6.56	1.56
3,492.00	91.30	37.60	1,015.18	2,181.92	1,051.88	2,420.92	4.42	-3.13	-3.13
3,524.00	90.60	37.60	1,014.64	2,207.27	1,071.40	2,452.43	2.19	-2.19	0.00
3,556.00	90.40	39.20	1,014.37	2,232.35	1,091.28	2,483.86	5.04	-0.63	5.00
3,588.00	90.90	38.80	1,014.00	2,257.22	1,111.42	2,515.23	2.00	1.56	-1.25
3,618.00	91.00	40.10	1,013.51	2,280.38	1,130.47	2,544.59	4.35	0.33	4.33
3,650.00	89.50	39.30	1,013.37	2,305.00	1,150.91	2,575.88	5.31	-4.69	-2.50
3,682.00	88.80	39.70	1,013.84	2,329.69	1,171.27	2,607.20	2.52	-2.19	1.25
3,713.00	88.20	38.90	1,014.65	2,353.67	1,190.89	2,637.54	3.23	-1.94	-2.58
3,744.00	89.30	39.30	1,015.33	2,377.72	1,210.44	2,667.92	3.78	3.55	1.29

Survey Report

<b>Company:</b>	CNX Gas Company, LLC	<b>Local Co-ordinate Reference:</b>	Well SC-17
<b>Project:</b>	Monongalia County	<b>TVD Reference:</b>	WELL @ 0.00ft (Original Well Elev)
<b>Site:</b>	Monongalia County, WV	<b>MD Reference:</b>	WELL @ 0.00ft (Original Well Elev)
<b>Well:</b>	SC-17	<b>North Reference:</b>	True
<b>Wellbore:</b>	SC-17 E. Leg	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	As Drilled East Leg	<b>Database:</b>	2003.21 Single User Dbase

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
3,776.00	89.40	39.00	1,015.69	2,402.53	1,230.64	2,699.27	0.99	0.31	-0.94
3,808.00	89.60	38.40	1,015.97	2,427.51	1,250.65	2,730.68	1.98	0.63	-1.88
3,840.00	90.00	37.70	1,016.08	2,452.71	1,270.37	2,762.15	2.52	1.25	-2.19
3,871.00	91.30	38.30	1,015.73	2,477.13	1,289.46	2,792.64	4.62	4.19	1.94
3,881.00	91.40	38.10	1,015.49	2,484.99	1,295.64	2,802.47	2.24	1.00	-2.00
3,907.00	91.40	38.10	1,014.86	2,505.44	1,311.68	2,828.03	0.00	0.00	0.00

Checked By: \_\_\_\_\_ Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

# **CNX Gas Company, LLC**

**Monongalia County  
Monongalia County, WV  
SC-17**

**SC-17 W. C. Leg**

**Survey: Survey #1**

## **Standard Survey Report**

**21 October, 2008**

Survey Report

<b>Company:</b>	CNX Gas Company,LLC	<b>Local Co-ordinate Reference:</b>	Well SC-17
<b>Project:</b>	Monongalia County	<b>TVD Reference:</b>	WELL @ 0.00ft (Original Well Elev)
<b>Site:</b>	Monongalia County, WV	<b>MD Reference:</b>	WELL @ 0.00ft (Original Well Elev)
<b>Well:</b>	SC-17	<b>North Reference:</b>	True
<b>Wellbore:</b>	SC-17 W. C. Leg	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	As Drilled W.C. Leg	<b>Database:</b>	2003.21 Single User Dbase

<b>Project</b>	Monongalia County		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Ground Level
<b>Geo Datum:</b>	North American Datum 1983		Using Well Reference Point
<b>Map Zone:</b>	West Virginia Northern Zone		

<b>Site</b>	Monongalia County, WV				
<b>Site Position:</b>		<b>Northing:</b>	422,660.35ft	<b>Latitude:</b>	39° 39' 28.077 N
<b>From:</b>	Lat/Long	<b>Easting:</b>	1,748,595.97ft	<b>Longitude:</b>	80° 16' 51.909 W
<b>Position Uncertainty:</b>	0.00 ft	<b>Slot Radius:</b>	"	<b>Grid Convergence:</b>	-0.50 °

<b>Well</b>	SC-17					
<b>Well Position</b>	+N/-S	0.00 ft	<b>Northing:</b>	422,660.35ft	<b>Latitude:</b>	39° 39' 28.077 N
	+E/-W	0.00 ft	<b>Easting:</b>	1,748,595.97ft	<b>Longitude:</b>	80° 16' 51.909 W
<b>Position Uncertainty</b>		0.00 ft	<b>Wellhead Elevation:</b>	ft	<b>Ground Level:</b>	0.00ft

<b>Wellbore</b>	SC-17 W. C. Leg				
<b>Magnetics:</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination</b>	<b>Dip Angle</b>	<b>Field Strength</b>
	IGRF2005	9/19/2008	(°)	(°)	(nT)
			-8.68	67.58	53,068

<b>Design</b>	As Drilled W.C. Leg				
<b>Audit Notes:</b>					
<b>Version:</b>	1.0	<b>Phase:</b>	ACTUAL	<b>Tie On Depth:</b>	1,389.00
<b>Vertical Section:</b>	<b>Depth From (TVD)</b>	<b>+N/-S</b>	<b>+E/-W</b>	<b>Direction</b>	
	(ft)	(ft)	(ft)	(°)	
	0.00	0.00	0.00	351.31	

<b>Survey Program</b>	<b>Date</b>	10/21/2008			
<b>From</b>	<b>To</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>	
(ft)	(ft)				
1,395.00	4,760.00	Survey #1 (SC-17 W. C. Leg)			

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
1,389.00	89.54	353.42	1,019.64	446.67	-54.56	449.79	0.00	0.00	0.00
1,395.00	89.90	351.30	1,019.67	452.62	-55.36	455.78	35.84	6.00	-35.33
1,426.00	89.30	347.70	1,019.89	483.09	-61.01	486.76	11.77	-1.94	-11.61
1,458.00	90.30	344.80	1,020.00	514.17	-68.61	518.63	9.59	3.13	-9.06
1,490.00	90.30	342.90	1,019.83	544.91	-77.51	550.36	5.94	0.00	-5.94
1,522.00	90.60	340.32	1,019.58	575.27	-87.61	581.90	8.12	0.94	-8.06
1,554.00	90.60	337.30	1,019.24	605.10	-99.17	613.14	9.44	0.00	-9.44
1,586.00	90.80	333.40	1,018.85	634.18	-112.51	643.90	12.20	0.63	-12.19
1,619.00	90.00	329.90	1,018.62	663.21	-128.18	674.97	10.88	-2.42	-10.61
1,651.00	90.30	326.30	1,018.54	690.37	-145.09	704.37	11.29	0.94	-11.25
1,683.00	91.10	323.30	1,018.15	716.52	-163.53	733.00	9.70	2.50	-9.38
1,714.00	90.10	320.40	1,017.82	740.89	-182.68	759.99	9.89	-3.23	-9.35
1,746.00	89.80	318.50	1,017.85	765.21	-203.48	787.17	6.01	-0.94	-5.94

## Survey Report

<b>Company:</b> CNX Gas Company, LLC	<b>Local Co-ordinate Reference:</b> Well SC-17
<b>Project:</b> Monongalia County	<b>TVD Reference:</b> WELL @ 0.00ft (Original Well Elev)
<b>Site:</b> Monongalia County, WV	<b>MD Reference:</b> WELL @ 0.00ft (Original Well Elev)
<b>Well:</b> SC-17	<b>North Reference:</b> True
<b>Wellbore:</b> SC-17 W. C. Leg	<b>Survey Calculation Method:</b> Minimum Curvature
<b>Design:</b> As Drilled W.C. Leg	<b>Database:</b> 2003.21 Single User Dbase

### Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100R)
1,778.00	90.00	320.10	1,017.91	789.47	-224.34	814.30	5.04	0.63	5.00
1,810.00	90.00	322.60	1,017.91	814.45	-244.33	842.02	7.81	0.00	7.81
1,842.00	89.40	325.40	1,018.07	840.34	-263.14	870.45	8.95	-1.88	8.75
1,874.00	88.30	328.20	1,018.72	867.11	-280.65	899.56	9.40	-3.44	8.75
1,905.00	89.30	331.70	1,019.37	893.93	-296.17	928.42	11.74	3.23	11.29
1,937.00	89.60	334.90	1,019.67	922.51	-310.55	958.85	10.04	0.94	10.00
1,969.00	89.10	337.90	1,020.04	951.83	-323.35	989.76	9.50	-1.56	9.38
2,001.00	89.40	341.12	1,020.45	981.80	-334.55	1,021.08	10.11	0.94	10.06
2,033.00	89.90	343.40	1,020.65	1,012.28	-344.30	1,052.68	7.29	1.56	7.13
2,063.00	90.40	345.00	1,020.57	1,041.14	-352.47	1,082.45	5.59	1.67	5.33
2,095.00	90.10	345.30	1,020.43	1,072.07	-360.67	1,114.26	1.33	-0.94	0.94
2,127.00	90.70	347.40	1,020.21	1,103.17	-368.22	1,146.14	6.82	1.88	6.56
2,159.00	90.40	349.80	1,019.90	1,134.53	-374.55	1,178.10	7.56	-0.94	7.50
2,191.00	89.60	351.80	1,019.90	1,166.12	-379.66	1,210.10	6.73	-2.50	6.25
2,222.00	89.80	352.30	1,020.06	1,196.82	-383.95	1,241.10	1.74	0.65	1.61
2,254.00	89.40	352.00	1,020.29	1,228.52	-388.32	1,273.09	1.56	-1.25	-0.94
2,286.00	90.00	352.90	1,020.45	1,260.24	-392.53	1,305.08	3.38	1.88	2.81
2,318.00	90.80	354.00	1,020.23	1,292.03	-396.18	1,337.06	4.25	2.50	3.44
2,350.00	90.90	354.00	1,019.76	1,323.85	-399.52	1,369.02	0.31	0.31	0.00
2,382.00	90.70	353.60	1,019.31	1,355.66	-402.98	1,400.99	1.40	-0.63	-1.25
2,414.00	90.30	353.90	1,019.03	1,387.47	-406.46	1,432.96	1.56	-1.25	0.94
2,446.00	89.20	353.50	1,019.17	1,419.27	-409.97	1,464.93	3.66	-3.44	-1.25
2,477.00	89.50	354.10	1,019.52	1,450.09	-413.32	1,495.90	2.16	0.97	1.94
2,509.00	90.30	355.00	1,019.58	1,481.95	-416.36	1,527.85	3.76	2.50	2.81
2,541.00	91.20	356.10	1,019.16	1,513.85	-418.84	1,559.75	4.44	2.81	3.44
2,573.00	90.80	356.00	1,018.60	1,545.77	-421.04	1,591.64	1.29	-1.25	-0.31
2,604.00	90.20	356.60	1,018.33	1,576.70	-423.04	1,622.52	2.74	-1.94	1.94
2,636.00	90.20	356.70	1,018.22	1,608.64	-424.91	1,654.38	0.31	0.00	0.31
2,668.00	90.60	356.50	1,017.99	1,640.59	-426.81	1,686.24	1.40	1.25	-0.63
2,700.00	90.40	357.20	1,017.72	1,672.54	-428.57	1,718.09	2.27	-0.63	2.19
2,732.00	90.70	357.30	1,017.41	1,704.50	-430.11	1,749.92	0.99	0.94	0.31
2,764.00	89.80	355.70	1,017.27	1,736.44	-432.06	1,781.79	5.74	-2.81	-5.00
2,794.00	90.00	355.40	1,017.32	1,766.35	-434.39	1,811.70	1.20	0.67	-1.00
2,826.00	90.30	355.60	1,017.24	1,798.25	-436.90	1,843.62	1.13	0.94	0.63
2,858.00	91.00	355.60	1,016.87	1,830.15	-439.35	1,875.53	2.19	2.19	0.00
2,890.00	90.40	355.10	1,016.48	1,862.04	-441.95	1,907.44	2.44	-1.88	-1.56
2,922.00	89.70	354.70	1,016.46	1,893.92	-444.79	1,939.38	2.52	-2.19	-1.25
2,954.00	90.80	354.30	1,016.32	1,925.77	-447.86	1,971.33	3.66	3.44	-1.25
2,985.00	89.70	352.10	1,016.18	1,956.55	-451.53	2,002.31	7.93	-3.55	-7.10
3,017.00	89.20	353.90	1,016.49	1,988.31	-455.43	2,034.29	5.84	-1.56	5.63
3,049.00	90.10	353.60	1,016.68	2,020.12	-458.91	2,066.26	2.96	2.81	-0.94
3,081.00	89.30	353.40	1,016.85	2,051.91	-462.53	2,098.24	2.58	-2.50	-0.63
3,113.00	90.50	353.70	1,016.91	2,083.71	-466.13	2,130.22	3.87	3.75	0.94
3,143.00	89.80	354.40	1,016.83	2,113.54	-469.24	2,160.18	3.30	-2.33	2.33
3,175.00	88.80	354.40	1,017.22	2,145.39	-472.36	2,192.13	3.13	-3.13	0.00
3,207.00	88.30	355.20	1,018.03	2,177.25	-475.26	2,224.06	2.95	-1.56	2.50
3,239.00	89.10	355.40	1,018.75	2,209.13	-477.88	2,255.98	2.58	2.50	0.63
3,271.00	89.90	355.40	1,019.03	2,241.03	-480.45	2,287.89	2.50	2.50	0.00
3,303.00	89.10	355.90	1,019.31	2,272.93	-482.87	2,319.80	2.95	-2.50	1.56
3,336.00	89.70	355.60	1,019.66	2,305.84	-485.32	2,352.70	2.03	1.82	-0.91
3,368.00	90.70	355.40	1,019.55	2,337.74	-487.83	2,384.61	3.19	3.13	-0.63
3,400.00	89.80	355.40	1,019.41	2,369.64	-490.40	2,416.53	2.81	-2.81	0.00
3,431.00	90.00	354.60	1,019.46	2,400.52	-493.10	2,447.46	2.66	0.65	-2.58
3,463.00	91.10	354.00	1,019.15	2,432.36	-496.26	2,479.42	3.92	3.44	-1.88

### Survey Report

<b>Company:</b> CNX Gas Company, LLC	<b>Local Co-ordinate Reference:</b> Well SC-17
<b>Project:</b> Monongalia County	<b>TVD Reference:</b> WELL @ 0.00ft (Original Well Elev)
<b>Site:</b> Monongalia County, WV	<b>MD Reference:</b> WELL @ 0.00ft (Original Well Elev)
<b>Well:</b> SC-17	<b>North Reference:</b> True
<b>Wellbore:</b> SC-17 W. C. Leg	<b>Survey Calculation Method:</b> Minimum Curvature
<b>Design:</b> As Drilled W.C. Leg	<b>Database:</b> 2003.21 Single User Dbase

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
3,495.00	90.50	354.30	1,018.71	2,464.19	-499.54	2,511.38	2.10	-1.88	0.94
3,527.00	89.70	354.30	1,018.65	2,496.03	-502.72	2,543.33	2.50	-2.50	0.00
3,558.00	90.50	354.30	1,018.60	2,526.88	-505.80	2,574.29	2.58	2.58	0.00
3,591.00	90.50	355.10	1,018.31	2,559.73	-508.84	2,607.23	2.42	0.00	2.42
3,621.00	90.50	354.40	1,018.05	2,589.61	-511.59	2,637.18	2.33	0.00	-2.33
3,653.00	91.00	354.40	1,017.63	2,621.45	-514.71	2,669.13	1.56	1.56	0.00
3,685.00	90.50	354.20	1,017.21	2,653.29	-517.89	2,701.08	1.68	-1.56	-0.63
3,716.00	89.80	353.60	1,017.13	2,684.11	-521.18	2,732.05	2.97	-2.26	-1.94
3,747.00	88.90	353.10	1,017.48	2,714.90	-524.77	2,763.02	3.32	-2.90	-1.61
3,779.00	89.60	353.20	1,017.90	2,746.67	-528.59	2,795.01	2.21	2.19	0.31
3,811.00	90.20	353.70	1,017.96	2,778.46	-532.24	2,826.98	2.44	1.88	1.56
3,843.00	89.00	355.20	1,018.18	2,810.31	-535.33	2,858.93	6.00	-3.75	4.69
3,874.00	89.80	355.40	1,018.50	2,841.20	-537.87	2,889.86	2.66	2.58	0.65
3,906.00	90.00	355.80	1,018.56	2,873.11	-540.33	2,921.77	1.40	0.63	1.25
3,938.00	89.70	355.50	1,018.64	2,905.02	-542.76	2,953.67	1.33	-0.94	-0.94
3,970.00	89.80	355.30	1,018.78	2,936.91	-545.32	2,985.59	0.70	0.31	-0.63
4,002.00	89.90	354.20	1,018.87	2,968.78	-548.25	3,017.53	3.45	0.31	-3.44
4,034.00	90.00	355.20	1,018.89	3,000.64	-551.21	3,049.48	3.14	0.31	3.13
4,065.00	91.00	355.80	1,018.62	3,031.54	-553.64	3,080.39	3.76	3.23	1.94
4,097.00	88.40	354.70	1,018.79	3,063.43	-556.29	3,112.31	8.82	-8.13	-3.44
4,129.00	88.60	355.20	1,019.63	3,095.29	-559.10	3,144.24	1.68	0.63	1.56
4,161.00	89.00	355.90	1,020.30	3,127.19	-561.59	3,176.14	2.52	1.25	2.19
4,193.00	89.80	356.30	1,020.63	3,159.11	-563.76	3,208.03	2.80	2.50	1.25
4,224.00	91.20	358.00	1,020.36	3,190.07	-565.30	3,238.88	7.10	4.52	5.48
4,256.00	91.60	358.60	1,019.58	3,222.05	-566.25	3,270.62	2.25	1.25	1.88
4,288.00	92.20	358.80	1,018.52	3,254.02	-566.98	3,302.33	1.98	1.88	0.63
4,320.00	90.10	359.20	1,017.88	3,286.01	-567.54	3,334.04	6.68	-6.56	1.25
4,352.00	90.40	359.40	1,017.74	3,318.01	-567.93	3,365.73	1.13	0.94	0.63
4,384.00	90.50	359.40	1,017.49	3,350.00	-568.26	3,397.41	0.31	0.31	0.00
4,416.00	91.10	359.80	1,017.04	3,382.00	-568.49	3,429.07	2.25	1.88	1.25
4,448.00	89.70	358.90	1,016.82	3,414.00	-568.85	3,460.75	5.20	-4.38	-2.81
4,479.00	90.80	359.40	1,016.68	3,444.99	-569.31	3,491.46	3.90	3.55	1.61
4,511.00	91.60	0.12	1,016.01	3,476.98	-569.44	3,523.11	3.36	2.50	2.25
4,543.00	90.00	359.80	1,015.57	3,508.98	-569.46	3,554.74	5.10	-5.00	-1.00
4,573.00	90.80	0.60	1,015.36	3,538.98	-569.36	3,584.38	3.77	2.67	2.67
4,607.00	89.40	359.70	1,015.30	3,572.98	-569.27	3,617.97	4.90	-4.12	-2.65
4,639.00	89.10	359.20	1,015.72	3,604.97	-569.58	3,649.65	1.82	-0.94	-1.56
4,670.00	89.80	359.70	1,016.01	3,635.97	-569.88	3,680.33	2.77	2.26	1.61
4,702.00	89.90	0.00	1,016.10	3,667.97	-569.96	3,711.98	0.99	0.31	0.94
4,734.00	90.20	0.52	1,016.07	3,699.97	-569.81	3,743.59	1.88	0.94	1.63
4,760.00	90.20	0.52	1,015.98	3,725.97	-569.58	3,769.25	0.00	0.00	0.00

<b>Checked By:</b> _____	<b>Approved By:</b> _____	<b>Date:</b> _____
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4706101581

# **CNX Gas Company, LLC**

**Monongalia County  
Monongalia County, WV  
SC-17**

**SC-17 W. Leg**

**Survey: Survey #1**

## **Standard Survey Report**

**21 October, 2008**

10/18/2024



Survey Report

<b>Company:</b>	CNX Gas Company, LLC	<b>Local Co-ordinate Reference:</b>	Well SC-17
<b>Project:</b>	Monongalia County	<b>TVD Reference:</b>	WELL @ 0.00ft (Original Well Elev)
<b>Site:</b>	Monongalia County, WV	<b>MD Reference:</b>	WELL @ 0.00ft (Original Well Elev)
<b>Well:</b>	SC-17	<b>North Reference:</b>	True
<b>Wellbore:</b>	SC-17 W. Leg	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	As Drilled W. Leg	<b>Database:</b>	2003.21 Single User Dbase

<b>Project:</b>	Monongalia County		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Ground Level
<b>Geo Datum:</b>	North American Datum 1983		Using Well Reference Point
<b>Map Zone:</b>	West Virginia Northern Zone		

<b>Site:</b>	Monongalia County, WV		
<b>Site Position:</b>		<b>Northing:</b>	422,660.35ft
<b>From:</b>	Lat/Long	<b>Easting:</b>	1,748,595.97ft
<b>Position Uncertainty:</b>	0.00 ft	<b>Slot Radius:</b>	
		<b>Latitude:</b>	39° 39' 28.077 N
		<b>Longitude:</b>	80° 16' 51.909 W
		<b>Grid Convergence:</b>	-0.50 °

<b>Well:</b>	SC-17		
<b>Well Position</b>	<b>+N/-S</b>	0.00 ft	<b>Northing:</b> 422,660.35 ft
	<b>+E/-W</b>	0.00 ft	<b>Easting:</b> 1,748,595.97 ft
<b>Position Uncertainty</b>	0.00 ft	<b>Wellhead Elevation:</b>	ft
		<b>Latitude:</b>	39° 39' 28.077 N
		<b>Longitude:</b>	80° 16' 51.909 W
		<b>Ground Level:</b>	0.00ft

<b>Wellbore:</b>	SC-17 W. Leg		
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination</b>
	IGRF2005	9/19/2008	(°)
			-8.68
			<b>Dip Angle</b>
			(°)
			67.58
			<b>Field Strength</b>
			(nT)
			53,068

<b>Design:</b>	As Drilled W. Leg		
<b>Audit Notes:</b>			
<b>Version:</b>	1.0	<b>Phase:</b>	ACTUAL
		<b>Tie On Depth:</b>	1,804.00
<b>Vertical Section:</b>	<b>Depth From (TVD)</b>	<b>+N/-S</b>	<b>+E/-W</b>
	(ft)	(ft)	(ft)
	0.00	0.00	0.00
			<b>Direction</b>
			(°)
			331.31

<b>Survey Program</b>	Date 10/21/2008		
<b>From</b>	<b>To</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>
(ft)	(ft)		
50.00	1,804.00	Survey #1 (SC-17 Build & E. C. Leg)	
1,804.00	3,463.00	Survey #1 (SC-17 W. Leg)	

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
1,804.00	90.00	322.13	1,017.90	809.70	-240.66	825.82	0.00	0.00	0.00
1,842.00	88.50	316.80	1,018.40	838.57	-265.34	862.99	14.57	-3.95	-14.03
1,874.00	92.30	317.70	1,018.17	862.06	-287.06	894.02	12.20	11.88	2.81
1,905.00	90.30	317.90	1,017.47	885.02	-307.88	924.16	6.48	-6.45	0.65
1,937.00	89.30	317.20	1,017.58	908.63	-329.48	955.24	3.81	-3.13	-2.19
1,969.00	89.10	316.40	1,018.03	931.95	-351.38	986.22	2.58	-0.63	-2.50
2,001.00	89.40	318.00	1,018.45	955.43	-373.12	1,017.25	5.09	0.94	5.00
2,033.00	90.10	318.40	1,018.59	979.28	-394.45	1,048.41	2.52	2.19	1.25
2,063.00	90.30	318.10	1,018.48	1,001.67	-414.42	1,077.64	1.20	0.67	-1.00
2,095.00	90.30	317.40	1,018.32	1,025.35	-435.94	1,108.75	2.19	0.00	-2.19
2,127.00	90.60	317.60	1,018.06	1,048.95	-457.56	1,139.82	1.13	0.94	0.63
2,159.00	88.70	318.10	1,018.26	1,072.67	-479.03	1,170.94	6.14	-5.94	1.56

## Survey Report

**Company:** CNX Gas Company, LLC  
**Project:** Monongalia County  
**Site:** Monongalia County, WV  
**Well:** SC-17  
**Wellbore:** SC-17 W. Leg  
**Design:** As Drilled W. Leg

**Local Co-ordinate Reference:** Well SC-17  
**TVD Reference:** WELL @ 0.00ft (Original Well Elev)  
**MD Reference:** WELL @ 0.00ft (Original Well Elev)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** 2003.21 Single User Dbase

### Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
2,191.00	89.00	317.30	1,018.90	1,096.33	-500.56	1,202.03	2.67	0.94	-2.50
2,222.00	89.40	317.00	1,019.34	1,119.06	-521.64	1,232.09	1.61	1.29	-0.97
2,254.00	89.10	316.30	1,019.75	1,142.32	-543.61	1,263.05	2.38	-0.94	-2.19
2,286.00	89.50	316.80	1,020.14	1,165.55	-565.61	1,293.99	2.00	1.25	1.56
2,318.00	89.70	316.70	1,020.37	1,188.86	-587.54	1,324.96	0.70	0.63	-0.31
2,350.00	90.40	316.90	1,020.34	1,212.19	-609.44	1,355.94	2.28	2.19	0.63
2,382.00	90.70	316.70	1,020.03	1,235.51	-631.35	1,386.92	1.13	0.94	-0.63
2,414.00	90.70	316.10	1,019.64	1,258.68	-653.41	1,417.84	1.87	0.00	-1.88
2,446.00	89.10	314.80	1,019.70	1,281.49	-675.86	1,448.62	6.44	-5.00	-4.06
2,477.00	88.50	316.50	1,020.35	1,303.65	-697.53	1,478.46	5.81	-1.94	5.48
2,509.00	89.10	317.00	1,021.02	1,326.95	-719.45	1,509.43	2.44	1.88	1.56
2,541.00	91.00	318.40	1,020.99	1,350.62	-740.98	1,540.53	7.38	5.94	4.38
2,573.00	91.10	318.40	1,020.40	1,374.54	-762.22	1,571.71	0.31	0.31	0.00
2,604.00	90.60	318.40	1,019.94	1,397.72	-782.80	1,601.93	1.61	-1.61	0.00
2,636.00	89.90	318.40	1,019.80	1,421.65	-804.05	1,633.12	2.19	-2.19	0.00
2,668.00	90.40	317.50	1,019.72	1,445.41	-825.48	1,664.25	3.22	1.56	-2.81
2,700.00	90.70	316.70	1,019.41	1,468.85	-847.26	1,695.27	2.67	0.94	-2.50
2,732.00	90.30	316.40	1,019.13	1,492.08	-869.27	1,726.21	1.56	-1.25	-0.94
2,764.00	89.90	316.50	1,019.08	1,515.28	-891.32	1,757.14	1.29	-1.25	0.31
2,794.00	90.30	316.60	1,019.03	1,537.06	-911.95	1,786.15	1.37	1.33	0.33
2,826.00	89.20	317.70	1,019.16	1,560.52	-933.71	1,817.18	4.88	-3.44	3.44
2,858.00	89.70	317.30	1,019.47	1,584.11	-955.33	1,848.26	2.00	1.56	-1.25
2,890.00	89.90	316.60	1,019.58	1,607.49	-977.17	1,879.26	2.28	0.63	-2.19
2,922.00	89.80	315.70	1,019.67	1,630.57	-999.34	1,910.14	2.83	-0.31	-2.81
2,954.00	90.10	315.90	1,019.70	1,653.51	-1,021.65	1,940.98	1.13	0.94	0.63
2,985.00	89.30	318.30	1,019.86	1,676.22	-1,042.75	1,971.03	8.16	-2.58	7.74
3,017.00	89.50	317.90	1,020.19	1,700.03	-1,064.12	2,002.18	1.40	0.63	-1.25
3,049.00	90.10	318.20	1,020.30	1,723.83	-1,085.51	2,033.33	2.10	1.88	0.94
3,081.00	90.40	318.30	1,020.16	1,747.70	-1,106.82	2,064.50	0.99	0.94	0.31
3,113.00	90.10	318.30	1,020.03	1,771.60	-1,128.11	2,095.68	0.94	-0.94	0.00
3,143.00	88.00	317.80	1,020.52	1,793.90	-1,148.16	2,124.87	7.20	-7.00	-1.67
3,175.00	88.30	317.90	1,021.56	1,817.62	-1,169.62	2,155.98	0.99	0.94	0.31
3,209.00	88.30	318.50	1,022.56	1,842.95	-1,192.27	2,189.08	1.76	0.00	1.76
3,240.00	88.40	318.60	1,023.46	1,866.18	-1,212.78	2,219.30	0.46	0.32	0.32
3,272.00	89.40	317.70	1,024.07	1,890.01	-1,234.13	2,250.45	4.20	3.13	-2.81
3,303.00	90.40	318.00	1,024.13	1,912.99	-1,254.93	2,280.60	3.37	3.23	0.97
3,335.00	90.90	318.00	1,023.76	1,936.77	-1,276.34	2,311.74	1.56	1.56	0.00
3,368.00	90.50	317.20	1,023.36	1,961.14	-1,298.59	2,343.80	2.71	-1.21	-2.42
3,400.00	90.40	317.60	1,023.11	1,984.69	-1,320.25	2,374.86	1.29	-0.31	1.25
3,431.00	89.40	317.50	1,023.16	2,007.57	-1,341.18	2,404.97	3.24	-3.23	-0.32
3,463.00	90.10	315.80	1,023.30	2,030.83	-1,363.14	2,435.93	5.75	2.19	-5.31

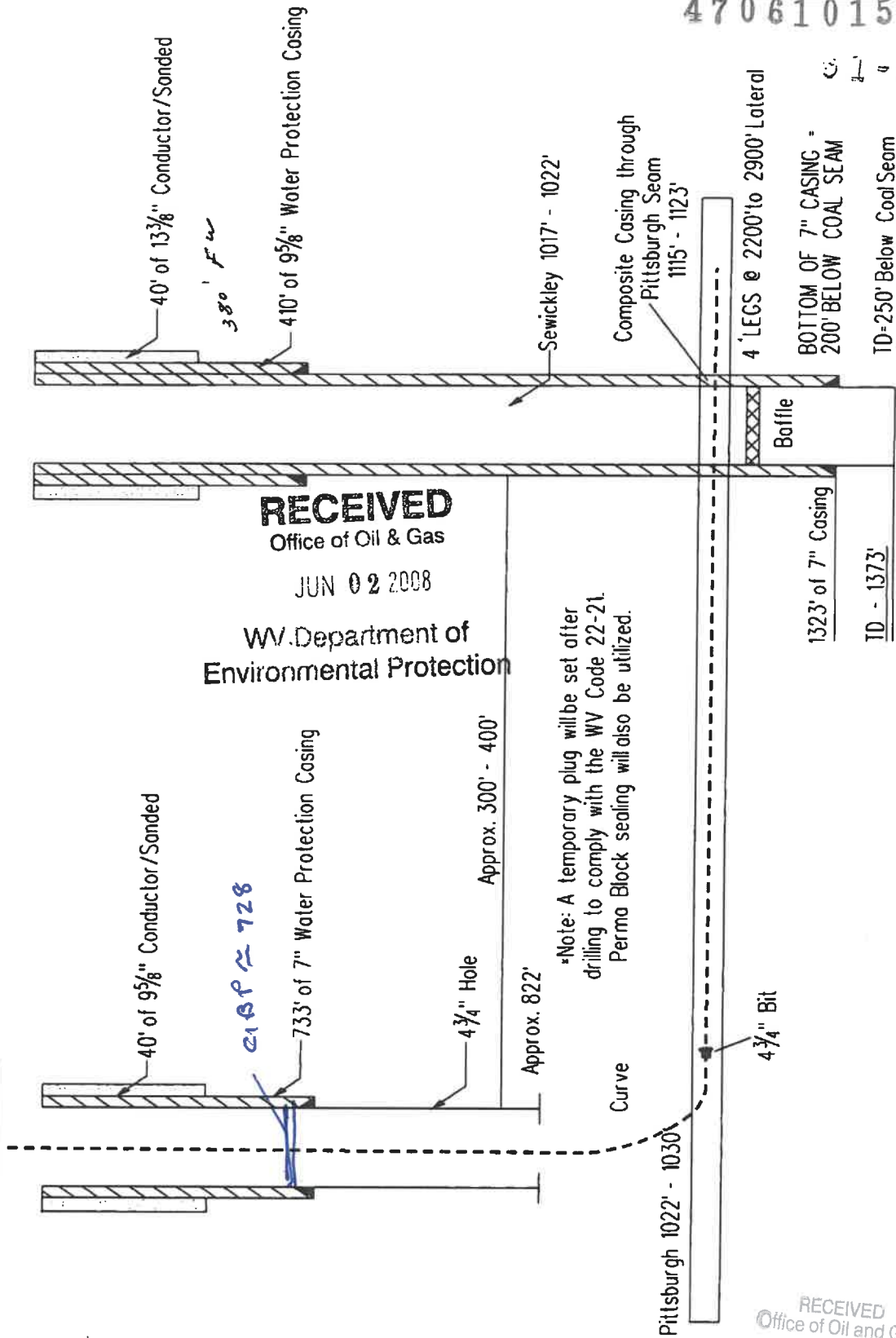
**Checked By:** \_\_\_\_\_ **Approved By:** \_\_\_\_\_ **Date:** \_\_\_\_\_

FIGURE 1

CNX GAS COMPANY LLC

47-061-01581  
PRODUCTION SC17

47-061-01582  
ACCESS SC17A



WV Department of Environmental Protection

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Office of Oil & Gas

JUN 02 2008

\*Note: A temporary plug will be set after drilling to comply with the WV Code 22-21. Perma Block sealing will also be utilized.

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JUL 08 2008  
WV Department of Environmental Protection

\*NOTE: Additional casing string may be used depending on hole conditions

4706101581P

01-0158

NOT TO SCALE

10/18/2024

CASING AND TUBING PROGRAM SC17

TYPE	SPECIFICATIONS		FOOTAGE INTERVALS		CEMENT	
	Size	Grade	Weight per ft.	For Drilling	Left in Well	Fill-up (cu. ft.)
Conductor	13 3/8"				40'	Sanded
Fresh Water	9 5/8"				410''	To Surface
Coal	7"				1322'	To Surface
Intermediate						
Production	7"				1322'	To Surface
Tubing						
Liners						

PACKERS:


Fresh Water Depth

380'	

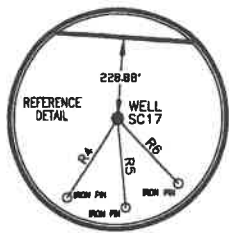
Coal Seam Name Top Bottom Target (yes or no)

Waynesburg A (WA)	709'	715'	No
Waynesburg (WB)	772'	776'	No
Sewickley (SW)	1017'	1022'	No
Pittsburgh	1115'	1123'	Yes

*[Handwritten notes/initials]*

RECEIVED  
Office of Oil and Gas  
JUL 08 2024  
WV Department of  
Environmental Protection

Latitude: 39°42'30" **4706101581P**

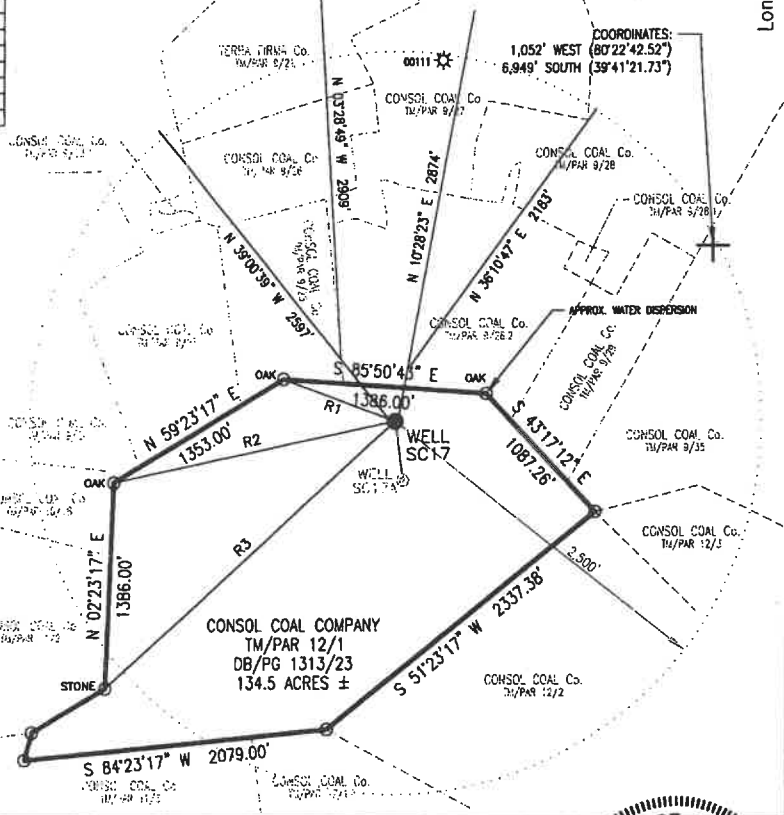


- NOTES:
1. There are no dwellings within 200' of proposed well
  2. Proposed well is greater than 100' from the mineral line
  3. It is not the purpose or intention of this plat to represent surveyed locations of the surface or mineral parcels depicted hereon. The location of the boundary lines, as shown, are based on record deed descriptions, field evidence found and/or tax map position, unless otherwise noted.

LINE	BEARING	DISTANCE
R1	N 69°31'04" W	814.15'
R2	S 78°09'27" W	1989.03'
R3	S 47°58'22" W	2672.05'
R4	S 32°25'50" W	263.39'
R5	S 08°11'11" E	253.31'
R6	S 43°32'51" E	254.00'

- LEGEND (WELLS WITHIN 2500')
- ☀ - ACTIVE
  - ⊕ - ABANDONED
  - ⊗ - PLUGGED
  - - NEVER DRILLED
  - ⊙ - UNDER CONSTRUCTION
  - ⊖ - NEW WELL

**Blue Mountain Engineering**  
 11023 MASON DIXON HIGHWAY  
 BURTON, WV 25562  
 PHONE: (304) 662-6486



Longitude: 80°22'30"

FILE #: SC17  
 DRAWING #: SC17  
 SCALE: 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY: 1/2500  
 PROVEN SOURCE OF ELEVATION: U.S.G.S. MONUMENT THOMAS 1498.81'

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.

GEORGE D SIX  
 LICENSED  
 No. 2000  
 STATE OF WEST VIRGINIA  
 PROFESSIONAL SURVEYOR  
 PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS WVDEP  
 OFFICE OF OIL & GAS  
 601 57TH STREET  
 CHARLESTON, WV 25304



DATE: MAY 5, 2008  
 OPERATOR'S WELL #: SC17  
 API WELL #: 47 **61 01581C**  
 STATE COUNTY PERMIT

Well Type:  Oil  Waste Disposal  Production  Deep  
 Gas  Liquid Injection  Storage  Shallow

WATERSHED: MILLER RUN OF NORTH WV FORK ELEVATION: 1346.74'  
 COUNTY/DISTRICT: MONONGALIA/BATTELLE QUADRANGLE: HUNDRED, WV-PA 7.5'  
 SURFACE OWNER: CNX GAS COMPANY LLC ACREAGE: 134.5±  
 OIL & GAS ROYALTY OWNER: SEE ATTACHED ACREAGE: 134.5±  
 DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE   
 PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION  PLUG & ABANDON   
 CLEAN OUT & REPLUG  OTHER CHANGE  (SPECIFY):  
 TARGET FORMATION: PITTSBURGH ESTIMATED DEPTH: 1373±  
 WELL OPERATOR: CNX Gas Company LLC DESIGNATED AGENT: JOHN H. JOHNSTON  
 Address: 2481 JOHN NASH BLVD. Address: BANK ONE CENTER, PO BOX 1588  
 City: BLUEFIELD State: WV Zip Code: 24701 City: CHARLESTON State: WV Zip Code: 25326-1598

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 Office of Oil and Gas  
 JUL 08 2024  
 WV Department of Environmental Protection

10/18/2024

WW-4A  
Revised 6-07

1) Date: 6/26/2024  
2) Operator's Well Number SC17

3) API Well No.: 47 - 061 - 01581

**STATE OF WEST VIRGINIA**  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS**  
**NOTICE OF APPLICATION TO PLUG AND ABANDON A WELL (COM WELL)**

4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>Consol Mining Company</u>	Name _____
Address <u>275 Technology Dr. Ste 101</u>	Address _____
<u>Canonsburg, PA 15317</u>	
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>West Virginia State Tax Office c/o Revenue Center</u>
	Address <u>1001 Lee St. E</u>
	<u>Charleston, WV 25301</u>
(c) Name _____	Name <u>Consol Mining Co., LLC</u>
Address _____	Address <u>275 Technology Dr. Ste 101</u>
	<u>Canonsburg, PA 15317</u>
6) Inspector <u>Gayne Knitowski</u>	(c) Coal Lessee with Declaration
Address <u>21 Enegy Way</u>	Name _____
<u>Gorman, WV 26720</u>	Address _____
Telephone <u>(304) 546-8171</u>	

**TO THE PERSONS NAMED ABOVE: You should have received this Form and the following documents:**

- (1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and
- (2) The plat (surveyor's map) showing the well location on Form WW-6.

The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the reverses side. However, you are not required to take any action at all.

Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a permit to plug and abandon a well with the Chief of the Office of Oil and Gas, West Virginia Department of Environmental Protection, with respect to the well at the location described on the attached Application and depicted on the attached Form WW-6. Copies of this Notice, the Application, and the plat have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Chief.



Well Operator Diversified Production, LLC  
 By: Chris Veazey  
 Its: Director of Administration  
 Address 414 Summers Street  
Charleston, WV 25301  
 Telephone 304-590-7707

RECEIVED  
Office of Oil and Gas

JUL 08 2024

WV Department of  
Environmental Protection

Subscribed and sworn before me this 26 day of June, 2024

My Commission Expires September 28, 2028 Notary Public

**Oil and Gas Privacy Notice**

The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a 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 [depprivacyoffier@wv.gov](mailto:depprivacyoffier@wv.gov).

10/18/2024

4706101581P

Diversified Gas & Oil Corporation  
Permitting Department  
414 SUMMERS STREET  
2ND. FLOOR  
CHARLESTON WV 25301

USPS CERTIFIED MAIL™



9407 1362 0855 1363 5233 33



CONSOL MINING COMPANY  
275 TECHNOLOGY DR STE 101  
CANONSBURG PA 15317-9565

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Diversified Gas & Oil Corporation  
Permitting Department  
414 SUMMERS STREET  
2ND. FLOOR  
CHARLESTON WV 25301



US POSTAGE AND FEES PAID

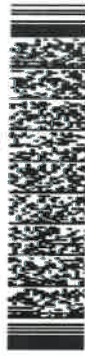
2024-06-27

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Retail

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USPS CERTIFIED MAIL™



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WEST VIRGINIA STATE TAX OFFICE  
C/O REVENUE CENTER  
1001 LEE ST E  
CHARLESTON WV 25301-1725

4706101581P

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6/27/24, 11:01 AM



**SURFACE OWNER WAIVER**

Operator's Well  
Number

4706101581

**INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW4-A**

The well operator named on page WW-4A is applying for a permit from the State to plug and abandon a well. (Note: If the surface tract is owned by more than three persons, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22 of the West Virginia Code. Well work permits are valid for 24 months. If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator and the Office of Oil and Gas.

**NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.**  
**WHERE TO FILE COMMENTS AND OBTAIN ADDITIONAL INFORMATION:**

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

**Time Limits and methods for filing comments.** The law requires these materials to be served on or before the date the operator files his Application. You have **FIVE (5) 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.

**Comments must be in writing.** Your comments must 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.

The Chief has the power to deny or condition a well work permit based on comments on the following grounds:

- 1) The proposed well work will constitute a hazard to the safety of persons.
- 2) The soil erosion and sediment control plan is not adequate or effective;
- 3) Damage would occur to publicly owned lands or resources;
- 4) The proposed well work fails to protect fresh water sources or supplies;
- 5) The applicant has committed a substantial violation of a previous permit or a substantial violation of one or more of the rules promulgated under Chapter 22, and has failed to abate or seek review of the violation..."

**If you want a copy of the permit as it is issued or a copy of the order denying the permit, you should request a copy from the Chief.**

**VOLUNTARY STATEMENT OF NO OBJECTION**

I hereby state that I have read the instructions to surface owners and that I have received copies of a Notice and Application For A Permit To Plug And Abandon on Forms WW-4A and WW-4B, and a survey plat.

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.

FOR EXECUTION BY A NATURAL PERSON  
ETC.

FOR EXECUTION BY A CORPORATION

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\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Name  
By

\_\_\_\_\_  
Its

\_\_\_\_\_  
Date

Signature

Date

10/18/2024

WW-4B

API No. 4706101581  
Farm Name Consolidation Coal  
Well No. SC17

**INSTRUCTIONS TO COAL OPERATORS  
OWNERS AND LESSEE**

The well operator named on the obverse side of WW-4 (B) is about to abandon the well described in the enclosed materials and will commence the work of plugging and abandoning said well on the date the inspector is notified. Which date shall not be less than five days after the day on which this notice and application so mailed is received, or in due course should be received by the Department of Environmental Protection Office of Oil & Gas.

This notice and application is given to you in order that your respective representatives may be present at the plugging and filling of said well. You are further notified that whether you are represented or not the operator will proceed to plug and fill said well in the manner required by Section 24, Article 6, Chapter 22 of the Code and given in detail on obverse side of this application.

NOTE: If you wish this well to be plugged according to 22-6-24(d) then as per Regulation 35CSR4-13.9 you must complete and return to this office on form OB-16 "Request by Coal Operator, Owner, or Lessee for plugging" prior to the issuance of this plugging permit.

**WAIVER**

The undersigned coal operator  / owner  / lessee  / of the coal under this well location has examined this proposed plugging work order. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: \_\_\_\_\_

By: \_\_\_\_\_  
Its \_\_\_\_\_

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WV Department of  
Environmental Protection

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**DIVERSIFIED**  
energy

4706101581 P

Date: 6/26/2024

James Martin  
Office of Oil and Gas  
601 57<sup>th</sup> Street, SE  
Charleston, WV 25304  
(304)926-0450

Mr. Martin,

Due to our cement provider, LaFarge Holcem, discontinuing the manufacturing of Class A cement, DGOC will be utilizing Class L cement to plug the following well:

API Number 4706101581 Well Name SC17

Attached is the approved variance order for use of Class L cement.

Sincerely,

Diversified Energy Permitting Department

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Environmental Protection




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west virginia department of environmental protection

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Office of Oil and Gas  
601 57<sup>th</sup> Street, SE  
Charleston, WV 25304  
Phone (304) 926-0450

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

**BEFORE THE OFFICE OF OIL AND GAS  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
STATE OF WEST VIRGINIA**

**IN THE MATTER OF A VARIANCE FROM )  
LEGISLATIVE RULE 35CSR4 ) ORDER NO. 2022-13  
SECTION 14.1. AND LEGISLATIVE RULE )  
35CSR8 SECTION 20.1, )  
RELATING TO THE CEMENTING )  
OF OIL AND GAS WELLS )**

**REPORT OF THE OFFICE**

In response to industry requests, the West Virginia Department of Environmental Protection, Office of Oil and Gas has reviewed the proposed use of American Petroleum Institute (API) Class L cement to be used in place of API Class A cement for well plugging.

**FINDINGS OF FACT**

1. On July 28, 2022, Diversified Gas & Oil Co. (DGO) submitted a variance request from Legislative Rule 35CSR4 for the use of API Class L cement in place of API Class A cement, relating to the plugging of conventional wells.
2. Laboratory analysis submitted by DGO on July 28, 2022, indicates API Class L cement is comparable to API Class A cement and thereby satisfies the requirements of the West Virginia Code.
3. Contemporaneously, the Chief of the Office of Oil and Gas also chose to consider a variance to Legislative Rule 35CSR8 Section 20.1., for the use of API Class L cement in place of API Class A cement, relating to the plugging of horizontal wells.

Promoting a healthy environment.

10/18/2024

4. On August 18, 2022, the Office of Oil and Gas provided public notice of acceptance of public comments on the variance consideration. During the 20-day public comment period, no comments were received.

### CONCLUSIONS OF LAW

Pursuant to Article 6 and Article 6A, Chapter 22 of the Code of West Virginia, the Office of Oil and Gas has jurisdiction over the subject matter, and the persons interested therein, and jurisdiction to promulgate the hereinafter prescribed Order.

Pursuant to Legislative Rule 35CSR4, Section 18 and Legislative Rule 35CSR8, Section 14, the Chief of the Office of Oil and Gas may grant a variance from any requirement of these rules.

### ORDER

It is ordered that the Class L cement product approved and monogrammed by API is approved for use in place of API Class A cement for well plugging subject to the provisions of Legislative Rule 35CSR4 and Legislative Rule 35CSR8.

Dated this, the 13th day of September, 2022.

IN THE NAME OF THE STATE OF WEST VIRGINIA

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



James Martin, Chief  
Office of Oil and Gas

4706101581P

WW-9  
(5/16)

API Number 47 - 061 - 01581  
Operator's Well No. SC17

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS  
FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name: Diversified Production, LLC OP Code 494524121

Watershed (HUC 10) Miller Run of North Fork Quadrangle Hundred 7.5'

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: Production fluid and cement returns.

Will a synthetic liner be used in the pit? Yes  No  If so, what ml.? 20

Proposed Disposal Method For Treated Pit Wastes:

- Land Application (if selected provide a completed form WW-9-GPP)
- \* Underground Injection ( UIC Permit Number 2D03902327 002 )
- Reuse (at API Number \_\_\_\_\_)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain \_\_\_\_\_)

Will closed loop system be used? If so, describe: N/A

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. N/A

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

Additives to be used in drilling medium? N/A

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. N/A

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

-Landfill or offsite name/permit number? N/A

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.

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on April 1, 2016, 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 [Signature]  
Company Official (Typed Name) Chris Veazey  
Company Official Title Director of Administration



Subscribed and sworn before me this 20 day of June, 20\_\_\_\_, 20\_\_\_\_  
[Signature] Notary Public

My commission expires September 28, 2028

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Form WW-9

Operator's Well No. SC17

Proposed Revegetation Treatment: Acres Disturbed +/- 1 ac. Prevveg etation pH N/A

Lime 3 Tons/acre or to correct to pH 6.5

Fertilizer type 10-20-20 or Equivalent

Fertilizer amount 500 lbs/acre

Mulch 2 Tons/acre

Seed Mixtures

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
Red Fescue	40	Red Fescue	15
Alsike	5	Alsike Clover	5
Annual Rye	15		

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, provide water volume, include dimensions (L, W, D) of the pit, and dimensions (L, W), and area in acres, of the land application area.

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: \_\_\_\_\_

Digitally signed by Gayne Knitowski, Inspector  
Date: 2024.06.28 11:29:55 -0500

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Title: Inspector

Date: 6-28-2024

Field Reviewed?

(  ) Yes

(  ) No

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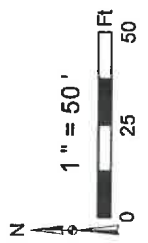
Diversified Gas & Oil Corporation  
100 Diversified Way  
Pikeville KY, 41051

47-061-01581

Well Plugging Map

**Legend**

-  Well
-  Access Road
-  Pits
-  Pad
-  Public Roads



Well No.: 47-061-01581  
 UTM83-17, Meters  
 North: 4393464.87  
 East: 553294.82  
 Elev.: 407.46, M  
 Elev.: 1336.46 Ft

Secondary Pit

Primary Pit

Source: Esri, Intel, Earthstar Geographics, and the GIS User Community

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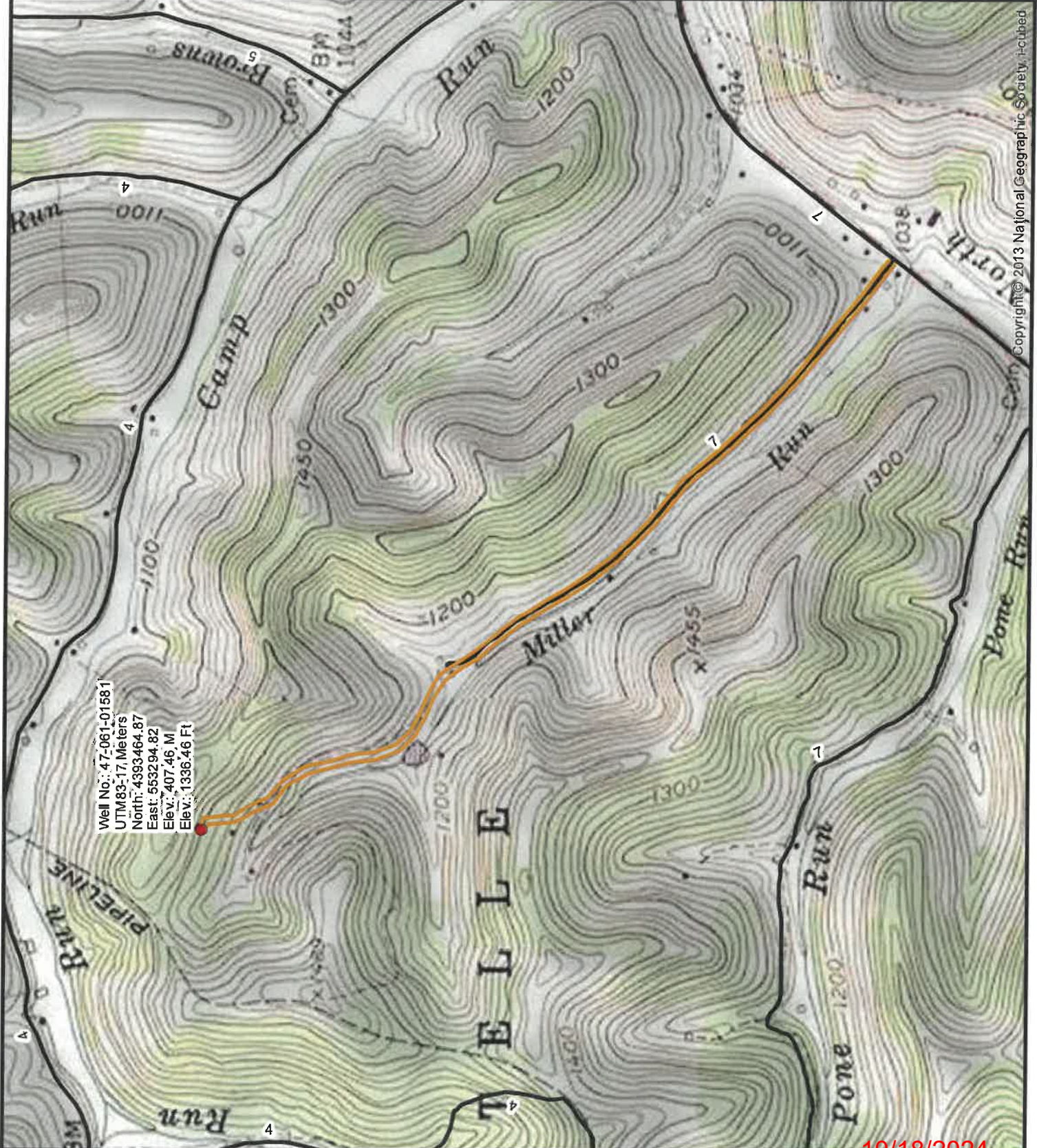
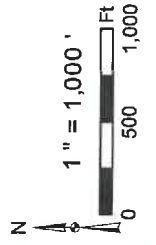
Diversified Gas & Oil Corporation  
100 Diversified Way  
Pineville KY, 41051

47-061-01581

Well Plugging Map

**Legend**

- Well
- Access Road
- ▨ Pits
- Pad
- Public Roads



Well No.: 47-061-01581  
 UTM83: 17 Meters  
 North: 4393464.87  
 East: 553294.82  
 Elev.: 407.46 M  
 Elev.: 1336.46 Ft

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WW-7  
8-30-06



West Virginia Department of Environmental Protection  
Office of Oil and Gas  
**WELL LOCATION FORM: GPS**

API: 4706101581 WELL NO.: SC17

FARM NAME: Consolidation Coal

RESPONSIBLE PARTY NAME: Diversified Production, LLC

COUNTY: Monongalia DISTRICT: Batelle

QUADRANGLE: Hundred 7.5'

SURFACE OWNER: Consol Mining Company

ROYALTY OWNER: Jesse Lee Bean, Jr & John Stanley Bean

UTM GPS NORTHING: 4393464.87

UTM GPS EASTING: 553294.82 GPS ELEVATION: 1336.46'

The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit or assigned API number on the above well. The Office of Oil and Gas will not accept GPS coordinates that do not meet the following requirements:

1. Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
2. Accuracy to Datum – 3.05 meters
3. Data Collection Method:

Survey grade GPS \_\_\_\_: Post Processed Differential \_\_\_\_

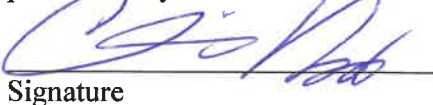
Real-Time Differential \_\_\_\_

Mapping Grade GPS X: Post Processed Differential X

Real-Time Differential \_\_\_\_

4. Letter size copy of the topography map showing the well location.

I the undersigned, hereby certify this data 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 Office of Oil and Gas.

  
Signature

Chris Veazey - Director of Administration  
Title

6/26/24  
Date

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