



west virginia department of environmental protection

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

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

Thursday, October 3, 2024

WELL WORK PLUGGING PERMIT
Coal Bed Methane Well Plugging

DIVERSIFIED PRODUCTION LLC
101 MCQUISTON DRIVE

JACKSON CENTER, PA 16133

Re: Permit approval for SC13
47-061-01537-00-00

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: SC13
Farm Name: CONSOLIDATION COAL CO.
U.S. WELL NUMBER: 47-061-01537-00-00
Coal Bed Methane Well Plugging
Date Issued: 10/3/2024

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.

CONDITIONS

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.

4708101537P

WW-4B
Rev. 2/01

1) Date June 26, 2024
2) Operator's
Well No. SC13
3) API Well No. 47- 861 - 01537

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

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

4) Well Type: Oil / Gas / Liquid injection / Waste disposal /
(If "Gas, Production or Underground storage) Deep / Shallow

5) Location: Elevation 1254.17' Watershed Camp Run
District Wadestown 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 Knirowski
Address 21 Eneyg Way
Gormaniam, 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

THIS IS A HORIZONTAL CBM
PRODUCTION WELL WITH 3 LATERAL
LEGS.

RECEIVED
Office of Oil and Gas
JUL 08 2024

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

WV Department of
Environmental Protection

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

10/04/2024

Plugging Prognosis

API #: 4706101537

West Virginia, Monongalia County

Lat/Long – 39.693769, -80.371422

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

Casing Schedule

13-3/8" @ 43' (Sanded In)

9 5/8" @ 431' (CTS w/ 145 sks)

7" @ 1232' (CTS w/ 165 sks)

TD listed as 1270' – listed on Form WR-35

KOP in access well (47-061-01537) @ 741'

Lateral lengths taken from directional drilling reports in well file

4.75" O.H. – 0.1231 ft³/ft – 0.0219 bbl/ft – 0.9206 gal/ft

- SC13 West
 - Pittsburgh Coal: 5881'-741' = 5140' x 0.0219 bbl/ft = 113 BBL x 1.25 = 142 BBL
- SC13 Center
 - Pittsburgh Coal: 5830'-1545' = 4285' x 0.0219 bbl/ft = 94 BBL x 1.25 = 118 BBL
- SC13 East
 - Pittsburgh Coal: 5681'-1450' = 4231' x 0.0219 bbl/ft = 93 BBL x 1.25 = 116 BBL
- Total Lateral Volume = 300 BBLs x 1.25 = 376 BBLs including 25% Excess

Fresh Water: 200' – listed on Form WR-35

Salt Water: None listed

Gas Shows: None listed

Oil Shows: None listed

Coal: 653', 901', 996' - listed on Form WR-35

Elevation: 1239.70'

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 (376 BBLs).
5. TIH w/ tbg to 1046'. Pump 443' **Expanding Class L** cement plug from 1046' to 603' **(Completion/Coal Plug)**. 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.
7. TOOH w/ tbg to top of plug. Pump 6% bentonite gel from 603' to 250'.

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

10/04/2024

4706101537P

8. TOOH w/ tbg to 250'. Pump 250' Class L cement plug from 250' 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
12:19:50 -04'00'

RECEIVED
Office of Oil and Gas

JUL 08 2024

WV Department of
Environmental Protection

10/04/2024

WR-35
Rev (5-01)

DATE 4/30/2007 101537P
API #: 47-6101537-00

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

Farm name: Consolidation Coal Co. Operator Well No.: SC-13

LOCATION: Elevation: 1240' Quadrangle: Wadestown

District: Battelle County: Monongalia

Latitude: 39 Feet South of 42 Deg. 30 Min. Sec.

Longitude: 80 Feet West of 20 Deg. 00 Min. Sec.

Company: CNX Gas Company, LLC

	Casing & Tubing	Used in drilling	Left in well	Cement Fill Up (# of Sacks)
Address: 4000 Brownsville Road	13-3/8"	43'	43'	Sanded In
South Park PA, 15129	9-5/8"	431'	431'	145 Sacks
Agent: Dave Kirtz	7"	1232'	1232'	165 Sacks
Inspector: Bill Hatfield				
Date Permit Issued: 3/22/2007				
Date Well Work Commenced: 4/13/2007				
Date Well Work Completed: 5/11/2007				
Verbal Plugging: N/A				
Date Permission granted on:				
Rotary Cable <u>Rig</u>				
Total Depth (feet): <u>1270'</u>				
Fresh Water Depth (ft.): <u>200'</u>				
Salt Water Depth (ft.): <u>N/A</u>				
Is coal being mined in area (N/Y)? <u>No</u>				

Coal Depths (ft.): 653', 901', 996'

RECEIVED
Office of Oil & Gas
Office of Chief
JUN 14 2007
WV Department of
Environmental Protection

OPEN FLOW DATA

Producing formation Pittsburgh Coal depth (ft) 996'
Gas: Initial open flow 0 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

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 MH-15 (API No. 47-610-1537-00) is a horizontal well for CNX Gas Company, LLC. Refer to the attached information for additional information.

Signed: Geoff Lanning
By: Geoff Lanning, Drilling Manager
Date: 6/7/07

RECEIVED
Office of Oil and Gas
JUL 08 2007
WV Department of
Environmental Protection
10/04/2024

4706101537P

SC-13 API: 47-6101537-00
Battelle, Monongalia Co. WV

Formation	Top	Bottom
Table to G.L.	0	6
Fill	6	15
Clay	15	20
Loose Shale	20	25
Shale	25	32
Sand	32	85
Shale	85	120
RR	120	130
Sand	130	150
Shale	150	170
Sand	170	270
Shale	270	325
Sand	325	350
Shale	350	390
Sand	390	440
Shale	440	500
Sand	500	520
Shale	520	575
Sand	575	600
Shale	600	640
Sand+Shale	640	700
Shale	700	800
Sand	800	910
Shale	910	935
Sand	935	996
Coal	996	1001
Shale	1001	1035
Sand	1035	1080
Shale	1080	1120
Sand	1120	1180
Shale	1180	1270TD

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

10/04/2024

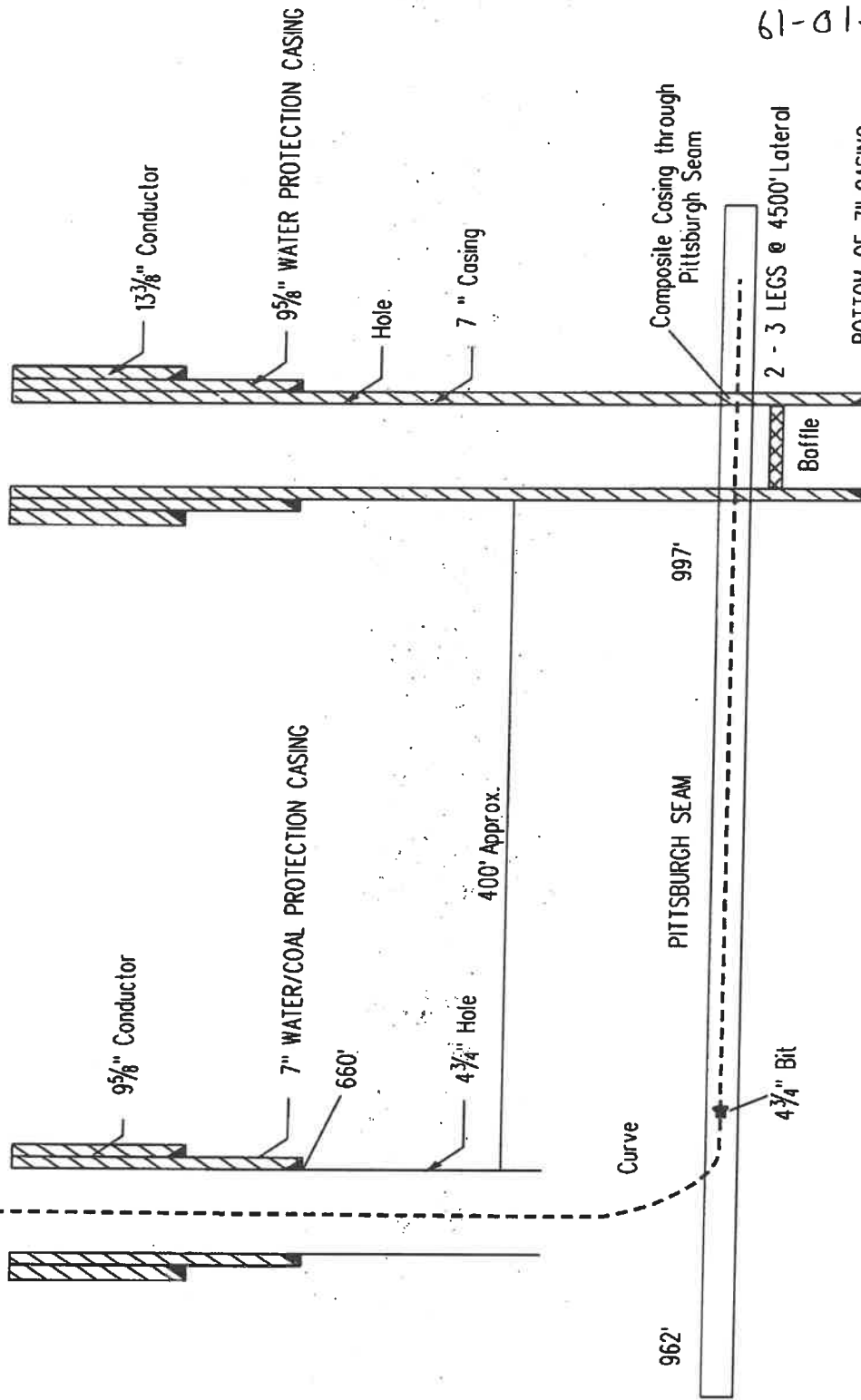
FIGURE 1

CNX GAS COMPANY LLC

SC13

ACCESS SC13A

PRODUCTION SC13



4706101537
61-01537C

BOTTOM OF 7" CASING =
200' BELOW COAL SEAM
TD=250' Below Coal Seam
NOT TO SCALE

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

RECEIVED
Office of Oil and Gas
JUL 08 2024
WV Department of
Environmental Protection
10/17/06

4706101537

4706101538

WEST



CNX Gas Company, LLC

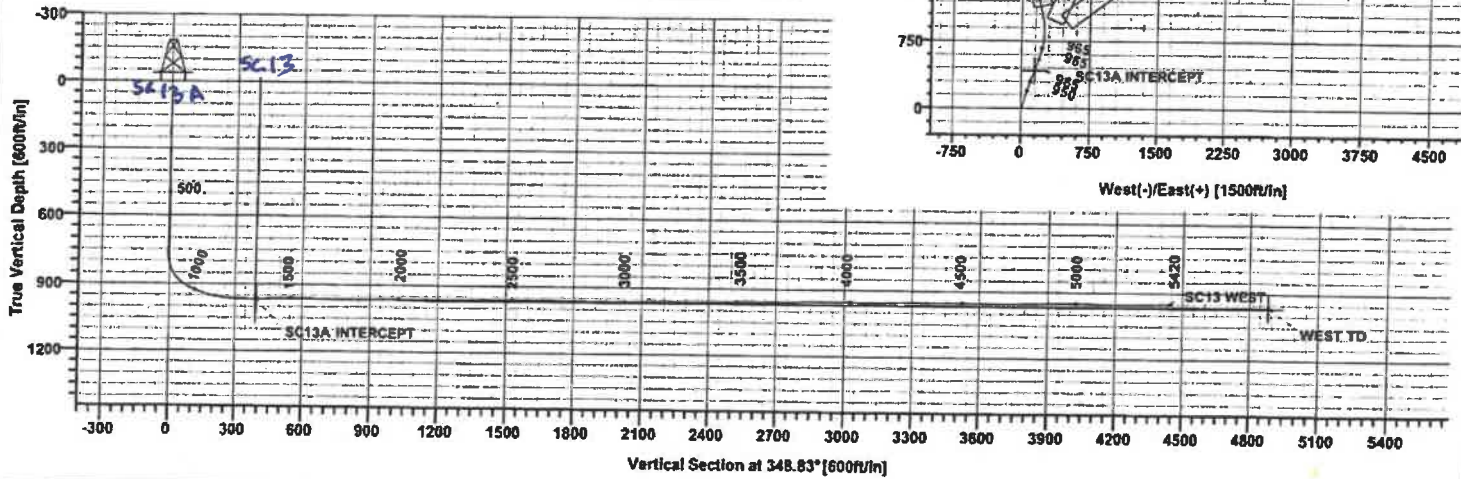
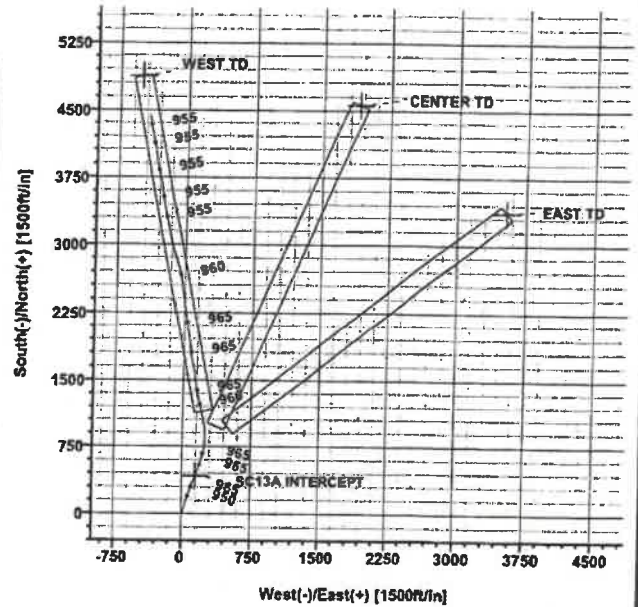
Field: MONONGALIA COUNTY, WV
Site: SC-13A WELL LOCATION
Well: ACCESS SC-13A
Wellpath: SC13 WEST



TARGET DETAILS						
Name	TVD [ft]	N/S	E/W	Northing	Easting	Shape
WEST TD	966.00	4880.60	-505.89	448440.68	1754162.34	Rectangle (3800x200)
CENTER TD	966.00	4564.57	1909.66	440101.22	1756374.58	Rectangle (3900x200)
SC13A INTERCEPT	966.00	428.52	145.19	436982.49	1754759.87	Circle (Radius: 1)
EAST TD	966.00	3389.88	3543.31	438890.73	1758196.48	Rectangle (3881x200)

SITE DETAILS	
SC-13A WELL LOCATION Monongalia County, WV	
Site Centre Northing:	435,555.40
Easting:	1,734,620.63
Ground Level:	1263.65
GL + 0 RKB:	1211.65
Convergence:	-0.5%

Plot Date: 4/23/2007
By: Carl Bakay
Scientific Drilling, Inc.
309-478-7302
carl.bakay@scientificdrilling.com



10/04/2024

4706101537

4706101538




Scientific Drilling Survey Report

Company: CNX Gas Company, LLC Date: 5/15/2007 Time: 15:46:30 Page: 1
 Field: MONONGALIA COUNTY, WV Co-ordinate(NE) Reference: Well: ACCESS SC-13A, True North
 Site: SC-13A WELL LOCATION Vertical (TVD) Reference: GL 1203.65 + 8 1211.7
 Well: ACCESS SC-13A Section (VS) Reference: Well (0.00N,0.00E,348.83Azi)
 Wellpath: SC13 WEST Survey Calculation Method: Minimum Curvature Db: Sybase

Field: MONONGALIA COUNTY, WV
 Northern West Virginia and Pennsylvania Operations
 USA
 Map System: US State Plane Coordinate System 1927 Map Zone: West Virginia, Northern Zone
 Geo Datum: NAD27 (Clarke 1866) Coordinate System: Well Centre
 Sys Datum: Mean Sea Level Geomagnetic Model: igrf2005

Site: SC-13A WELL LOCATION
 Monongalia County, WV
 Site Position: Northing: 435555.40 ft Latitude: 39 41 33.287 N
 From: Map Easting: 1754620.63 ft Longitude: 80 22 19.162 W
 Position Uncertainty: 0.00 ft North Reference: True
 Ground Level: 1203.65 ft Grid Convergence: -0.56 deg

Well: ACCESS SC-13A Slot Name:
 Well Position: +N/-S 0.00 ft Northing: 435555.40 ft Latitude: 39 41 33.287 N
 +E/-W 0.00 ft Easting: 1754620.63 ft Longitude: 80 22 19.162 W
 Position Uncertainty: 0.00 ft

Wellpath: SC13 WEST Drilled From: Surface
 Current Datum: GL 1203.65 + 8 Height 1211.65 ft Tie-on Depth: 0.00 ft
 Magnetic Data: 4/23/2007 Above System Datum: Mean Sea Level
 Field Strength: 53317 nT Declination: -8.56 deg
 Vertical Section: Depth From (TVD) +N/-S +E/-W Mag Dip Angle: 67.76 deg
 ft ft ft deg
 1211.65 0.00 0.00 348.83

Survey Program for Definitive Wellpath			Version: 0	Tool Name
Date: 5/2/2007	Actual From	To	Validated: No	Toolcode
	ft	ft	Survey	
50.00	573.00		Gyro Survey #1	Drop Gyro-SYS
741.00	5420.00		Survey #2	Drop Gyro Systematic Scientific MWD Systematic

MD	Incl	Azim	TVD	+N/-S	+E/-W	VS	DLS	Build	Turn	Tool/Comment
ft	deg	deg	ft	ft	ft	ft	deg/100ft	deg/100ft	deg/100ft	
50.00	0.07	192.60	50.00	0.26	0.34	0.19	0.00	0.00	0.00	TIE LINE
100.00	0.11	214.20	100.00	0.19	0.31	0.13	0.10	0.08	43.20	Drop Gyro-SYS
150.00	0.15	207.30	150.00	0.09	0.25	0.04	0.09	0.08	-13.80	Drop Gyro-SYS
200.00	0.18	175.70	200.00	-0.04	0.23	-0.09	0.19	0.06	-63.20	Drop Gyro-SYS
250.00	0.27	177.70	250.00	-0.24	0.24	-0.28	0.18	0.18	4.00	Drop Gyro-SYS
300.00	0.38	182.10	300.00	-0.52	0.23	-0.56	0.23	0.22	8.80	Drop Gyro-SYS
350.00	0.38	196.50	350.00	-0.85	0.18	-0.87	0.19	0.00	28.80	Drop Gyro-SYS
400.00	0.27	185.10	400.00	-1.12	0.12	-1.13	0.25	-0.22	-22.80	Drop Gyro-SYS
450.00	0.50	169.90	450.00	-1.46	0.15	-1.46	0.50	0.46	-30.40	Drop Gyro-SYS
500.00	0.39	196.90	499.99	-1.83	0.14	-1.83	0.47	-0.22	54.00	Drop Gyro-SYS
550.00	0.47	199.10	549.99	-2.19	0.02	-2.15	0.16	0.16	4.40	Drop Gyro-SYS
573.00	0.89	187.10	572.99	-2.46	-0.03	-2.40	1.92	1.83	-52.17	Drop Gyro-SYS
741.00	1.25	115.49	740.97	-4.54	1.46	-4.74	0.77	0.21	-42.62	MWD-SDI-SYS
756.00	1.18	129.88	755.96	-4.71	1.73	-4.96	2.08	-0.47	95.93	MWD-SDI-SYS
788.00	7.10	17.84	787.89	-3.04	2.59	-3.48	23.82	18.50	-350.12	MWD-SDI-SYS
819.00	19.88	14.29	817.97	3.92	4.49	2.98	41.29	41.23	-11.45	MWD-SDI-SYS
852.00	32.01	19.47	847.59	17.66	8.80	15.62	37.36	36.76	15.70	MWD-SDI-SYS
882.00	43.69	20.50	871.24	34.92	15.10	31.33	38.99	38.93	3.43	MWD-SDI-SYS
913.00	55.30	19.15	891.34	57.07	23.06	51.52	37.60	37.45	-4.35	MWD-SDI-SYS
944.00	61.39	17.55	907.60	82.10	31.35	74.47	20.13	19.65	-5.16	MWD-SDI-SYS
976.00	68.29	18.26	921.20	109.64	40.26	99.77	21.66	21.56	2.22	MWD-SDI-SYS
1008.00	73.21	17.93	932.07	139.25	49.93	126.94	14.94	14.91	-1.00	MWD-SDI-SYS

10/04/2024



Scientific Drilling Survey Report

4706101537
4706101538
CN-GAS

Company: CNX Gas Company, LLC	Date: 5/15/2007	Time: 15:46:30	Page: 2
Field: MONONGALIA COUNTY, WV	Co-ordinate(N/E) Reference:	Well: ACCESS SC-13A, True North	
Site: SC-13A WELL LOCATION	Vertical (TVD) Reference:	GL 1203.65 + 8 1211.7	
Well: ACCESS SC-13A	Section (VS) Reference:	Well (0.00N,0.00E,348.83Azi)	
Wellpath: SC13 WEST	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	E/W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
1042.00	71.92	17.97	941.96	169.20	59.63	154.44	3.91	-3.91	0.12	MWD-SDI-SYS
1072.00	76.77	18.56	950.05	196.62	68.68	179.59	16.28	16.17	1.97	MWD-SDI-SYS
1104.00	83.99	18.37	955.40	226.53	78.67	207.00	22.57	22.56	-0.59	MWD-SDI-SYS
1135.00	80.88	18.73	959.48	255.66	88.44	233.68	10.10	-10.03	1.16	MWD-SDI-SYS
1157.00	82.16	18.87	962.72	276.26	95.46	252.53	5.85	5.82	0.64	MWD-SDI-SYS
1167.00	84.29	18.38	963.90	285.67	98.63	261.15	21.85	21.30	-4.90	MWD-SDI-SYS
1176.00	86.44	17.70	964.63	294.20	101.41	268.98	25.05	23.89	-7.56	MWD-SDI-SYS
1187.00	87.08	16.97	965.25	304.68	104.68	278.63	8.82	5.82	-6.64	MWD-SDI-SYS
1198.00	87.01	16.94	965.82	315.19	107.88	288.32	0.69	-0.64	-0.27	MWD-SDI-SYS
1209.00	86.84	18.59	966.41	325.65	111.23	297.93	15.06	-1.55	15.00	MWD-SDI-SYS
1219.00	87.75	19.97	966.88	335.08	114.53	306.54	16.52	9.10	13.80	MWD-SDI-SYS
1231.00	88.69	21.00	967.25	346.31	118.73	316.75	11.62	7.83	8.58	MWD-SDI-SYS
1241.00	89.23	21.56	967.44	355.63	122.36	325.19	7.78	5.40	5.60	MWD-SDI-SYS
1251.00	89.36	21.48	967.56	364.93	126.02	333.60	1.53	1.30	-0.80	MWD-SDI-SYS
1262.00	89.13	21.36	967.70	375.17	130.04	342.87	2.36	-2.09	-1.09	MWD-SDI-SYS
1267.00	88.89	21.17	967.79	379.83	131.85	347.09	6.12	-4.80	-3.80	MWD-SDI-SYS
1293.00	89.66	20.02	968.12	404.16	141.00	369.19	5.32	2.96	-4.42	MWD-SDI-SYS
1325.00	91.61	19.13	967.76	434.31	151.72	396.69	6.70	6.09	-2.78	MWD-SDI-SYS
1355.00	92.11	19.10	966.79	462.64	161.54	422.59	1.67	1.67	-0.10	MWD-SDI-SYS
1387.00	92.32	18.94	965.55	492.87	171.96	450.22	0.82	0.66	-0.50	MWD-SDI-SYS
1418.00	89.93	18.83	964.95	522.20	181.99	477.05	7.72	-7.71	-0.35	MWD-SDI-SYS
1450.00	89.83	18.92	965.01	552.48	192.34	504.75	0.42	-0.31	0.28	MWD-SDI-SYS
1482.00	90.07	18.41	965.04	582.79	202.58	532.51	1.76	0.75	-1.59	MWD-SDI-SYS
1513.00	90.84	17.63	964.79	612.27	212.17	559.57	3.54	2.48	-2.52	MWD-SDI-SYS
1545.00	89.90	15.62	964.59	642.93	221.33	587.88	6.93	-2.94	-6.28	MWD-SDI-SYS
1576.00	88.62	13.56	964.99	672.93	229.13	615.79	7.82	-4.13	-6.65	MWD-SDI-SYS
1608.00	88.66	10.49	965.75	704.21	235.80	645.19	9.59	0.12	-9.59	MWD-SDI-SYS
1639.00	89.56	8.42	966.23	734.78	240.89	674.20	7.28	2.90	-6.68	MWD-SDI-SYS
1671.00	89.73	6.12	966.43	766.52	244.94	704.55	7.21	0.53	-7.19	MWD-SDI-SYS
1703.00	89.97	4.28	966.51	798.39	247.84	735.26	5.80	0.75	-5.75	MWD-SDI-SYS
1734.00	89.70	1.38	966.60	829.35	249.37	765.33	9.40	-0.87	-9.35	MWD-SDI-SYS
1766.00	89.20	359.14	966.91	861.35	249.52	796.69	7.17	-1.56	-7.00	MWD-SDI-SYS
1797.00	88.86	356.62	967.43	892.32	248.37	827.30	8.20	-1.10	-8.13	MWD-SDI-SYS
1829.00	90.97	355.68	967.48	924.24	246.22	859.04	7.22	6.59	-2.94	MWD-SDI-SYS
1892.00	91.04	350.24	966.37	986.74	238.50	921.84	8.63	0.11	-8.63	MWD-SDI-SYS
1924.00	91.01	349.29	965.80	1018.22	232.82	953.83	2.97	-0.09	-2.97	MWD-SDI-SYS
1955.00	90.23	350.52	965.47	1048.74	227.38	984.82	4.70	-2.52	3.97	MWD-SDI-SYS
1987.00	89.16	347.92	965.64	1080.17	221.40	1016.82	8.79	-3.34	-8.12	MWD-SDI-SYS
2019.00	88.89	347.72	966.18	1111.44	214.65	1048.81	1.05	-0.84	-0.62	MWD-SDI-SYS
2050.00	89.97	347.37	966.49	1141.71	207.96	1079.80	3.66	3.48	-1.13	MWD-SDI-SYS
2082.00	90.94	346.25	966.24	1172.87	200.66	1111.78	4.63	3.03	-3.50	MWD-SDI-SYS
2113.00	90.27	345.67	965.91	1202.94	193.14	1142.74	2.86	-2.16	-1.87	MWD-SDI-SYS
2145.00	91.01	344.86	965.55	1233.88	185.00	1174.67	3.43	2.31	-2.53	MWD-SDI-SYS
2177.00	91.07	347.51	964.97	1264.95	177.37	1206.63	8.28	0.19	8.28	MWD-SDI-SYS
2208.00	90.27	348.80	964.61	1295.29	171.00	1237.62	4.90	-2.58	4.16	MWD-SDI-SYS
2240.00	89.03	347.25	964.80	1326.59	164.36	1269.62	6.20	-3.87	-4.84	MWD-SDI-SYS
2272.00	88.96	349.02	965.36	1357.90	157.79	1301.61	5.53	-0.22	5.53	MWD-SDI-SYS
2303.00	91.11	350.86	965.35	1388.42	152.37	1332.60	9.13	6.94	5.94	MWD-SDI-SYS
2335.00	92.11	352.48	964.45	1420.07	147.74	1364.55	5.95	3.12	5.06	MWD-SDI-SYS
2367.00	91.11	351.71	963.55	1451.75	143.34	1396.48	3.94	-3.12	-2.41	MWD-SDI-SYS
2399.00	89.60	350.84	963.35	1483.38	138.48	1428.45	5.45	-4.72	-2.72	MWD-SDI-SYS
2430.00	89.46	350.20	963.60	1513.95	133.38	1459.44	2.11	-0.45	-2.06	MWD-SDI-SYS
2462.00	90.91	350.59	963.50	1545.50	128.04	1491.42	4.69	4.53	1.22	MWD-SDI-SYS

7"

4706101537



Scientific Drilling Survey Report



4706101538

Company: CNX Gas Company, LLC
Field: MONONGALIA COUNTY, WV
Site: SC-13A WELL LOCATION
Well: ACCESS SC-13A
Wellpath: SC13 WEST

Date: 5/15/2007
Time: 15:46:30
Page: 3

Co-ordinate(NE) Reference: Well: ACCESS SC-13A, True North
Vertical (TVD) Reference: GL 1203.65 + 8 1211.7
Section (VS) Reference: Well (0.00N,0.00E,348.83Azi)
Survey Calculation Method: Minimum Curvature
Db: Sybase

Survey

MD ft	Incl deg	Azlm deg	TVD ft	+N-S ft	+E-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
2494.00	90.50	350.16	963.11	1577.05	122.69	1523.41	1.86	-1.28	-1.34	MWD-SDI-SYS
2525.00	88.96	349.10	963.25	1607.54	117.11	1554.40	6.03	-4.97	-3.42	MWD-SDI-SYS
2557.00	89.73	348.85	963.62	1638.95	110.99	1586.40	2.53	2.41	-0.78	MWD-SDI-SYS
2588.00	91.11	349.47	963.39	1669.40	105.16	1617.40	4.88	4.45	2.00	MWD-SDI-SYS
2620.00	91.64	350.76	962.62	1700.91	99.67	1649.38	4.36	1.66	4.03	MWD-SDI-SYS
2652.00	91.68	350.70	961.70	1732.48	94.52	1681.35	0.23	0.12	-0.19	MWD-SDI-SYS
2683.00	86.78	350.92	962.11	1763.07	89.57	1712.32	15.82	-15.81	0.71	MWD-SDI-SYS
2715.00	85.36	351.03	964.31	1794.60	84.56	1744.22	4.45	-4.44	0.34	MWD-SDI-SYS
2746.00	87.48	351.16	966.24	1825.16	79.77	1775.14	6.85	6.84	0.42	MWD-SDI-SYS
2778.00	88.76	351.23	967.29	1856.77	74.87	1807.09	4.01	4.00	0.22	MWD-SDI-SYS
2810.00	91.51	351.35	967.22	1888.40	70.03	1839.06	8.60	8.59	0.37	MWD-SDI-SYS
2841.00	91.61	351.37	966.37	1919.03	65.37	1870.02	0.33	0.32	0.06	MWD-SDI-SYS
2873.00	91.38	351.34	965.54	1950.66	60.57	1901.97	0.72	-0.72	-0.09	MWD-SDI-SYS
2904.00	90.07	350.86	965.14	1981.28	55.77	1932.95	4.50	-4.23	-1.55	MWD-SDI-SYS
2936.00	88.79	350.69	965.46	2012.87	50.64	1964.93	4.04	-4.00	-0.53	MWD-SDI-SYS
2967.00	88.89	350.87	966.09	2043.46	45.67	1995.90	0.66	0.32	0.58	MWD-SDI-SYS
2999.00	89.66	351.33	966.50	2075.07	40.72	2027.87	2.80	2.41	1.44	MWD-SDI-SYS
3031.00	91.08	351.22	966.29	2106.70	35.87	2059.84	4.45	4.44	-0.34	MWD-SDI-SYS
3062.00	92.15	351.11	965.41	2137.32	31.11	2090.80	3.47	3.45	-0.35	MWD-SDI-SYS
3094.00	92.32	351.06	964.17	2168.91	26.16	2122.76	0.55	0.53	-0.16	MWD-SDI-SYS
3125.00	91.48	350.94	963.14	2199.51	21.31	2153.72	2.74	-2.71	-0.39	MWD-SDI-SYS
3157.00	90.97	351.13	962.45	2231.11	16.32	2185.68	1.70	-1.59	0.59	MWD-SDI-SYS
3188.00	90.74	351.47	961.99	2261.75	11.63	2216.65	1.32	-0.74	1.10	MWD-SDI-SYS
3220.00	88.96	351.84	962.08	2293.41	6.99	2248.61	5.68	-5.56	1.16	MWD-SDI-SYS
3252.00	87.38	352.02	963.10	2325.08	2.50	2280.55	4.97	-4.94	0.56	MWD-SDI-SYS
3283.00	89.46	352.25	963.95	2355.77	-1.74	2311.48	6.75	6.71	0.74	MWD-SDI-SYS
3315.00	90.94	353.70	963.84	2387.53	-5.65	2343.40	6.47	4.62	4.53	MWD-SDI-SYS
3346.00	90.53	353.29	963.44	2418.33	-9.16	2374.29	1.87	-1.32	-1.32	MWD-SDI-SYS
3378.00	92.05	352.55	962.72	2450.07	-13.11	2406.20	5.28	4.75	-2.31	MWD-SDI-SYS
3410.00	92.92	353.01	961.34	2481.79	-17.13	2438.09	3.07	2.72	1.44	MWD-SDI-SYS
3441.00	90.67	352.63	960.36	2512.53	-21.00	2469.00	7.36	-7.26	-1.23	MWD-SDI-SYS
3473.00	90.03	352.16	960.17	2544.25	-25.23	2500.94	2.48	-2.00	-1.47	MWD-SDI-SYS
3504.00	89.66	350.72	960.25	2574.90	-29.85	2531.91	4.80	-1.19	-4.65	MWD-SDI-SYS
3537.00	89.77	349.01	960.42	2607.38	-35.65	2564.90	5.19	0.33	-5.18	MWD-SDI-SYS
3569.00	90.27	347.37	960.41	2638.71	-42.20	2596.90	5.36	1.56	-5.12	MWD-SDI-SYS
3600.00	90.84	346.28	960.11	2668.89	-49.27	2627.87	3.97	1.84	-3.52	MWD-SDI-SYS
3632.00	91.01	346.07	959.59	2699.96	-56.91	2659.84	0.84	0.53	-0.66	MWD-SDI-SYS
3664.00	91.11	344.67	959.00	2730.91	-64.99	2691.77	4.39	0.31	-4.37	MWD-SDI-SYS
3695.00	90.17	344.44	958.65	2760.79	-73.25	2722.68	3.12	-3.03	-0.74	MWD-SDI-SYS
3727.00	90.40	344.17	958.49	2791.60	-81.91	2754.58	1.11	0.72	-0.84	MWD-SDI-SYS
3758.00	90.84	343.24	958.16	2821.35	-90.60	2785.46	3.32	1.42	-3.00	MWD-SDI-SYS
3790.00	91.07	343.90	957.62	2852.04	-99.65	2817.32	2.18	0.72	2.06	MWD-SDI-SYS
3820.00	91.21	344.54	957.03	2880.90	-107.81	2847.21	2.18	0.47	2.13	MWD-SDI-SYS
3852.00	89.90	345.76	956.72	2911.83	-116.01	2879.15	5.59	-4.09	3.81	MWD-SDI-SYS
3883.00	89.36	345.25	956.92	2941.84	-123.77	2910.09	2.40	-1.74	-1.65	MWD-SDI-SYS
3915.00	89.66	343.96	957.19	2972.69	-132.26	2942.00	4.14	0.94	-4.03	MWD-SDI-SYS
3947.00	89.93	345.41	957.30	3003.56	-140.72	2973.92	4.61	0.84	4.53	MWD-SDI-SYS
3978.00	89.46	348.34	957.47	3033.74	-147.75	3004.90	9.57	-1.52	9.45	MWD-SDI-SYS
4010.00	89.50	348.93	957.76	3065.11	-154.06	3036.90	1.85	0.12	1.84	MWD-SDI-SYS
4041.00	89.26	348.50	958.10	3095.51	-160.13	3067.89	1.59	-0.77	-1.39	MWD-SDI-SYS
4073.00	89.17	347.90	958.53	3126.83	-166.67	3099.89	1.90	-0.28	-1.87	MWD-SDI-SYS
4105.00	89.50	347.67	958.90	3158.11	-173.44	3131.88	1.26	1.03	-0.72	MWD-SDI-SYS
4136.00	90.91	347.95	958.79	3188.41	-179.98	3162.87	4.64	4.55	0.90	MWD-SDI-SYS
4168.00	91.95	348.04	958.00	3219.70	-186.64	3194.86	3.26	3.25	0.28	MWD-SDI-SYS



Scientific Drilling Survey Report



Company: CNX Gas Company, LLC Date: 5/15/2007 Time: 15:46:30 Page: 4
 Field: MONONGALIA COUNTY, WV Co-ordinate (NE) Reference: Well: ACCESS SC-13A, True North
 Site: SC-13A WELL LOCATION Vertical (TVD) Reference: GL 1203.65 + 8 1211.7
 Well: ACCESS SC-13A Section (VS) Reference: Well (0.00N,0.00E,348.83Azi)
 Wellpath: SC13 WEST Survey Calculation Method: Minimum Curvature Db: Sybase

Survey

MD ft	Incl deg	Azlm deg	TVD ft	+N-S ft	E-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
4199.00	91.68	347.95	957.01	3250.00	-193.08	3225.84	0.92	-0.87	-0.29	MWD-SDI-SYS
4231.00	92.22	347.62	955.92	3281.26	-199.85	3257.82	1.98	1.69	-1.03	MWD-SDI-SYS
4262.00	90.50	348.13	955.19	3311.56	-206.36	3288.80	5.79	-5.55	1.65	MWD-SDI-SYS
4294.00	90.74	348.38	954.84	3342.89	-212.87	3320.80	1.08	0.75	0.78	MWD-SDI-SYS
4325.00	91.04	348.25	954.36	3373.24	-219.15	3351.80	1.05	0.97	-0.42	MWD-SDI-SYS
4357.00	89.70	348.83	954.15	3404.60	-225.51	3383.79	4.56	-4.19	1.81	MWD-SDI-SYS
4389.00	89.83	349.32	954.29	3436.02	-231.57	3415.79	1.58	0.41	1.53	MWD-SDI-SYS
4420.00	91.01	349.45	954.06	3466.49	-237.28	3446.79	3.83	3.81	0.42	MWD-SDI-SYS
4452.00	89.06	350.47	954.04	3498.00	-242.86	3478.78	6.88	-6.09	3.19	MWD-SDI-SYS
4484.00	88.42	350.93	954.74	3529.57	-248.03	3510.76	2.46	-2.00	1.44	MWD-SDI-SYS
4515.00	88.52	351.03	955.57	3560.18	-252.89	3541.72	0.46	0.32	0.32	MWD-SDI-SYS
4547.00	88.22	350.86	956.48	3591.76	-257.92	3573.69	1.08	-0.94	-0.53	MWD-SDI-SYS
4578.00	88.86	350.01	957.27	3622.32	-263.07	3604.67	3.43	2.06	-2.74	MWD-SDI-SYS
4610.00	90.10	349.52	957.56	3653.81	-268.76	3636.66	4.17	3.87	-1.53	MWD-SDI-SYS
4641.00	91.07	348.93	957.24	3684.26	-274.55	3667.66	3.66	3.13	-1.90	MWD-SDI-SYS
4673.00	90.91	348.64	956.69	3715.65	-280.78	3699.65	1.03	-0.50	-0.91	MWD-SDI-SYS
4702.00	90.10	347.74	956.44	3744.03	-286.71	3728.65	4.18	-2.79	-3.10	MWD-SDI-SYS
4732.00	90.91	348.08	956.17	3773.36	-292.99	3758.64	2.93	2.70	1.13	MWD-SDI-SYS
4763.00	91.11	348.21	955.63	3803.70	-299.36	3789.64	0.77	0.65	0.42	MWD-SDI-SYS
4792.00	91.14	347.53	955.06	3832.05	-305.45	3818.63	2.35	0.10	-2.34	MWD-SDI-SYS
4801.00	91.21	347.70	954.87	3840.83	-307.38	3827.62	2.04	0.78	1.89	MWD-SDI-SYS
4828.00	91.88	347.92	954.14	3867.22	-313.08	3854.61	2.61	2.48	0.81	Projection to Bit
4832.00	91.98	347.95	954.01	3871.12	-313.92	3858.61	2.61	2.48	0.81	MWD-SDI-SYS
4864.00	92.35	348.60	952.80	3902.43	-320.42	3890.58	2.34	1.16	2.03	MWD-SDI-SYS
4895.00	90.87	349.64	951.93	3932.86	-326.27	3921.57	5.83	-4.77	3.35	MWD-SDI-SYS
4927.00	90.77	349.83	951.47	3964.35	-331.97	3953.56	0.67	-0.31	0.59	MWD-SDI-SYS
4959.00	89.87	349.37	951.29	3995.82	-337.74	3985.56	3.16	-2.81	-1.44	MWD-SDI-SYS
4990.00	89.30	349.66	951.52	4026.30	-343.39	4016.55	2.06	-1.84	0.94	MWD-SDI-SYS
5022.00	89.60	349.56	951.82	4057.78	-349.16	4048.55	0.99	0.94	-0.31	MWD-SDI-SYS
5053.00	87.48	348.80	952.61	4088.21	-354.97	4079.54	7.26	-6.84	-2.45	MWD-SDI-SYS
5085.00	85.56	347.57	954.56	4119.48	-361.51	4111.47	7.12	-6.00	-3.84	MWD-SDI-SYS
5117.00	87.62	348.50	956.46	4150.72	-368.13	4143.41	7.06	6.44	2.91	MWD-SDI-SYS
5148.00	89.23	349.16	957.31	4181.12	-374.14	4174.40	5.61	5.19	2.13	MWD-SDI-SYS
5180.00	90.70	349.93	957.33	4212.59	-379.94	4206.39	5.19	4.59	2.41	MWD-SDI-SYS
5211.00	90.44	349.86	957.02	4243.11	-385.38	4237.39	0.87	-0.84	-0.23	MWD-SDI-SYS
5243.00	91.44	349.87	956.50	4274.61	-391.01	4269.38	3.13	3.12	0.03	MWD-SDI-SYS
5275.00	90.84	350.14	955.86	4306.11	-396.57	4301.36	2.06	-1.87	0.84	MWD-SDI-SYS
5306.00	91.11	350.18	955.33	4336.65	-401.86	4332.35	0.88	0.87	0.13	MWD-SDI-SYS
5338.00	91.95	350.38	954.48	4368.18	-407.26	4364.33	2.70	2.62	0.62	MWD-SDI-SYS
5369.00	92.38	350.34	953.31	4398.72	-412.45	4395.30	1.39	1.39	-0.13	MWD-SDI-SYS
5420.00	93.00	350.34	950.91	4448.94	-421.00	4446.22	1.22	1.22	0.00	MWD-SDI-SYS
5881.80	93.00	350.34	926.75	4903.57	-498.38	4907.23	0.00	0.00	0.00	PROJECTED to TD

Annotation

MD ft	TVD ft	Annotation
4828.00	954.14	Projection to Bit

4706101537
4706101538

CENTER



CNX Gas Company, LLC

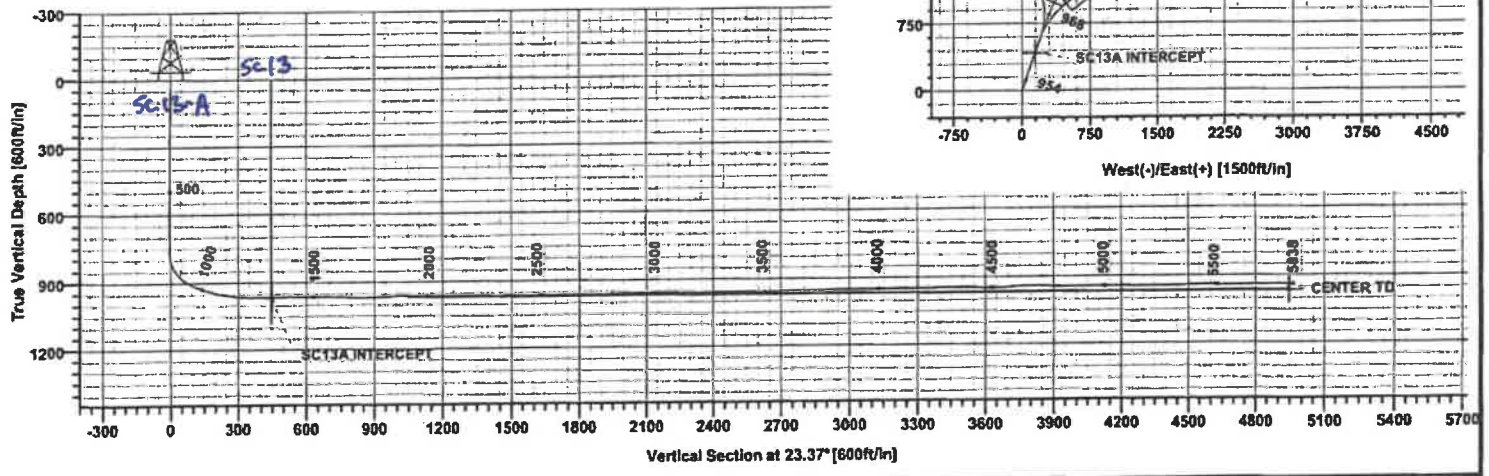
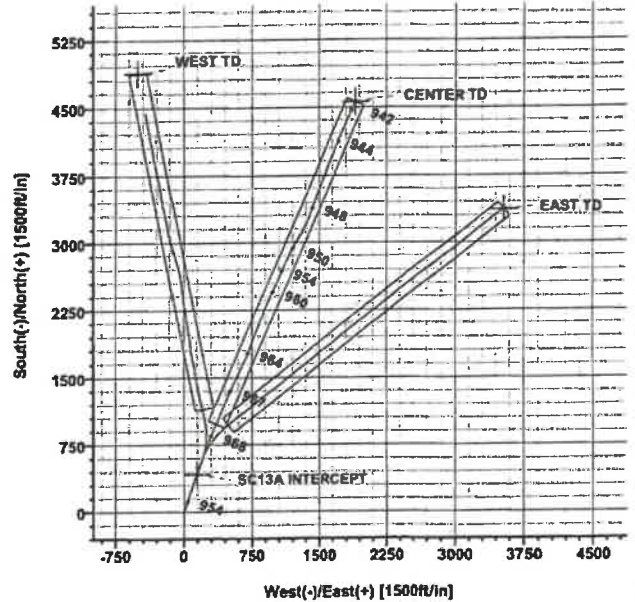
Field: MONONGALIA COUNTY, WV
Site: SC-13A WELL LOCATION
Well: ACCESS SC-13A
Wellpath: SC13 CENTER



TARGET DETAILS						
Name	TVD	+N/S	+E/W	Northing	Easting	Shape
WEST TD	966.00	4890.00	-505.69	440440.68	1754162.34	Rectangle (3800x200)
CENTER TD	966.00	4564.57	1909.66	440101.22	1756574.50	Rectangle (3900x200)
SC13A INTERCEPT	966.00	426.52	145.19	433982.49	1754789.97	Circle (Radius: 1)
EAST TD	966.00	3369.89	3543.31	438890.73	1753196.48	Rectangle (3881x200)

SITE DETAILS	
SC-13A WELL LOCATION Monongalia County, WV	
Site Centre Northing:	436,555.40
Easting:	1,754,620.63
Ground Level:	1203.65
GL + 8 RKB:	1211.85
Convergence:	-0.56

Plot Date: 4/23/2007
By: Carl Bakay
Scientific Drilling, Inc.
866-676-7302
carl.bakay@scientificdrilling.com



4706101537



Scientific Drilling Survey Report



Company: CNX Gas Company, LLC
Field: MONONGALIA COUNTY, WV
Site: SC-13A WELL LOCATION
Well: ACCESS SC-13A
Wellpath: SC13 CENTER
Date: 5/15/2007
Time: 15:56:04
Page: 1
Co-ordinate (NE) Reference: Well: ACCESS SC-13A, True North
Vertical (TVD) Reference: GL 1203.65 + 8, 1211.7
Section (VS) Reference: Well (0.00N,0.00E,23.37Azi)
Survey Calculation Method: Minimum Curvature
Db: Sybase

Field: MONONGALIA COUNTY, WV
 Northern West Virginia and Pennsylvania Operations
 USA
Map System: US State Plane Coordinate System 1927
Geo Datum: NAD27 (Clarke 1866)
Sys Datum: Mean Sea Level
Map Zone: West Virginia, Northern Zone
Coordinate System: Well Centre
Geomagnetic Model: igrf2005

Site: SC-13A WELL LOCATION
 Monongalia County, WV
Site Position: Northing: 435555.40 ft Latitude: 39 41 33.287 N
From: Map Easting: 1754620.63 ft Longitude: 80 22 19.162 W
Position Uncertainty: 0.00 ft North Reference: True
Ground Level: 1203.65 ft Grid Convergence: -0.56 deg

Well: ACCESS SC-13A
Slot Name:
Well Position: +N-S 0.00 ft Northing: 435555.40 ft Latitude: 39 41 33.287 N
 +E-W 0.00 ft Easting: 1754620.63 ft Longitude: 80 22 19.162 W
Position Uncertainty: 0.00 ft

Wellpath: SC13 CENTER
Drilled From: SC13 WEST
Tie-on Depth: 1545.00 ft
Current Datum: GL 1203.65 + 8 Height 1211.65 ft
Magnetic Data: 4/23/2007
Field Strength: 53317 nT
Vertical Section: Depth From (TVD) +N-S +E-W Direction
 ft ft ft deg
 0.00 0.00 0.00 23.37

Survey: Survey #1
Start Date: 5/4/2007
Company: SDI
Engineer: Carl Bakay
Tool: MWD-SDI-SYS, Scientific MWD Systematic
Tied-to: User Defined

Survey: Survey #1

MD	Incl	Azim	TVD	+N-S	+E-W	VS	DLS	Build	Turn	Tool/Comment
ft	deg	deg	ft	ft	ft	ft	deg/100ft	deg/100ft	deg/100ft	
1545.00	89.90	15.62	964.59	642.93	221.33	677.98	0.00	0.00	0.00	MWD-SDI-SYS
1576.00	88.02	17.64	965.15	672.63	230.20	708.76	8.90	-6.06	6.52	MWD-SDI-SYS
1608.00	88.08	19.32	966.24	702.96	240.33	740.62	5.25	0.19	5.25	MWD-SDI-SYS
1639.00	88.49	21.67	967.17	731.98	251.18	771.57	7.69	1.32	7.58	MWD-SDI-SYS
1671.00	88.49	22.01	968.01	761.67	263.08	803.54	1.06	0.00	1.06	MWD-SDI-SYS
1703.00	89.56	22.77	968.55	791.26	275.27	835.53	4.10	3.34	2.37	MWD-SDI-SYS
1734.00	90.44	22.66	968.55	819.85	287.24	866.53	2.86	2.84	-0.35	MWD-SDI-SYS
1766.00	91.17	22.45	968.11	849.40	299.51	898.52	2.37	2.28	-0.66	MWD-SDI-SYS
1797.00	92.01	23.51	967.25	877.93	311.61	929.51	4.36	2.71	3.42	MWD-SDI-SYS
1829.00	92.28	23.27	966.05	907.28	324.31	961.49	1.13	0.84	-0.75	MWD-SDI-SYS
1861.00	92.79	23.34	964.63	936.64	336.95	993.46	1.61	1.59	0.22	MWD-SDI-SYS
1892.00	91.14	23.34	963.57	965.08	349.23	1024.44	5.32	-5.32	0.00	MWD-SDI-SYS
1924.00	88.89	22.59	963.56	994.55	361.71	1056.43	7.41	-7.03	-2.34	MWD-SDI-SYS
1955.00	88.52	22.17	964.26	1023.20	373.51	1087.42	1.81	-1.19	-1.35	MWD-SDI-SYS
1987.00	89.12	22.40	964.92	1052.81	385.64	1119.41	2.01	1.87	0.72	MWD-SDI-SYS
2019.00	89.36	22.82	965.34	1082.34	397.95	1151.40	1.51	0.75	1.31	MWD-SDI-SYS
2050.00	90.77	22.61	965.31	1110.94	409.92	1182.40	4.60	4.55	-0.68	MWD-SDI-SYS
2082.00	89.83	22.08	965.14	1140.54	422.08	1214.39	3.37	-2.94	-1.66	MWD-SDI-SYS
2113.00	90.71	22.07	965.00	1169.26	433.73	1245.39	2.84	2.84	-0.03	MWD-SDI-SYS
2145.00	91.01	23.14	964.52	1198.80	446.03	1277.38	3.47	0.94	3.34	MWD-SDI-SYS
2177.00	88.42	23.46	964.67	1228.19	458.69	1309.38	8.16	-8.09	1.00	MWD-SDI-SYS
2208.00	88.12	22.60	965.61	1256.70	470.81	1340.36	2.94	-0.97	-2.77	MWD-SDI-SYS
2240.00	88.09	22.94	966.67	1286.19	483.19	1372.34	1.07	-0.09	1.06	MWD-SDI-SYS
2273.00	88.62	24.53	967.62	1316.39	496.46	1405.33	5.08	1.61	4.82	MWD-SDI-SYS

4706101537



Scientific Drilling Survey Report



4706101538

Company: CNX Gas Company, LLC Date: 5/15/2007 Time: 15:56:04 Page: 2
 Field: MONONGALIA COUNTY, WV Co-ordinate (ND) Reference: Well: ACCESS SC-13A, True North
 Site: SC-13A WELL LOCATION Vertical (TVD) Reference: GL: 1203.65 + 8 1211.7
 Well: ACCESS SC-13A Section (VS) Reference: Well (0.00N,0.00E,23.37Azi)
 Wellpath: SC13 CENTER Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: Survey #1

MD ft	Incl deg	Azlm deg	TVD ft	N-S ft	E-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
2304.00	92.69	24.77	967.26	1344.56	509.39	1436.31	13.15	13.13	0.77	MWD-SDI-SYS
2336.00	92.95	23.85	965.69	1373.68	522.55	1468.27	2.98	0.81	-2.87	MWD-SDI-SYS
2367.00	89.50	24.30	965.02	1401.98	535.19	1499.25	11.22	-11.13	1.45	MWD-SDI-SYS
2399.00	89.83	25.14	965.21	1431.04	548.57	1531.24	2.82	1.03	2.62	MWD-SDI-SYS
2430.00	90.50	25.70	965.12	1459.04	561.88	1562.22	2.82	2.16	1.81	MWD-SDI-SYS
2462.00	90.30	26.02	964.90	1487.84	575.83	1594.19	1.18	-0.62	1.00	MWD-SDI-SYS
2494.00	90.03	26.42	964.81	1516.54	589.97	1626.15	1.51	-0.84	1.25	MWD-SDI-SYS
2525.00	90.13	26.50	964.76	1544.29	603.78	1657.11	0.41	0.32	0.26	MWD-SDI-SYS
2557.00	89.66	26.53	964.82	1572.93	618.07	1689.06	1.47	-1.47	0.09	MWD-SDI-SYS
2588.00	89.16	26.79	965.14	1600.63	631.98	1720.00	1.82	-1.61	0.84	MWD-SDI-SYS
2652.00	89.80	24.03	965.72	1658.43	659.44	1783.95	4.43	1.00	-4.31	MWD-SDI-SYS
2683.00	89.90	24.53	965.80	1686.69	672.18	1814.95	1.64	0.32	1.61	MWD-SDI-SYS
2715.00	90.60	24.15	965.66	1715.85	685.37	1846.95	2.49	2.19	-1.19	MWD-SDI-SYS
2746.00	91.48	21.68	965.10	1744.39	697.44	1877.94	8.46	2.84	-7.97	MWD-SDI-SYS
2778.00	92.25	21.68	964.06	1774.11	709.25	1909.91	2.41	2.41	0.00	MWD-SDI-SYS
2810.00	92.25	21.68	962.80	1803.83	721.07	1941.87	0.00	0.00	0.00	MWD-SDI-SYS
2841.00	90.57	21.71	962.04	1832.62	732.52	1972.84	5.42	-5.42	0.10	MWD-SDI-SYS
2873.00	91.07	21.19	961.58	1862.40	744.22	2004.82	2.25	1.56	-1.62	MWD-SDI-SYS
2905.00	91.58	20.87	960.84	1892.26	755.70	2036.79	1.88	1.59	-1.00	MWD-SDI-SYS
2937.00	89.80	20.77	960.46	1922.17	767.08	2068.75	5.57	-5.56	-0.31	MWD-SDI-SYS
2968.00	90.67	19.72	960.33	1951.25	777.80	2099.70	4.40	2.81	-3.39	MWD-SDI-SYS
3000.00	89.16	21.81	960.38	1981.17	789.15	2131.67	8.06	-4.72	6.53	MWD-SDI-SYS
3031.00	89.97	21.40	960.61	2009.99	800.56	2162.65	2.93	2.61	-1.32	MWD-SDI-SYS
3063.00	91.11	21.15	960.31	2039.81	812.17	2194.63	3.65	3.56	-0.78	MWD-SDI-SYS
3094.00	88.52	22.70	960.41	2068.56	823.74	2225.62	9.74	-8.35	5.00	MWD-SDI-SYS
3126.00	88.86	21.51	961.14	2098.20	835.78	2257.60	3.87	1.06	-3.72	MWD-SDI-SYS
3158.00	89.90	21.72	961.49	2127.95	847.57	2289.58	3.32	3.25	0.66	MWD-SDI-SYS
3189.00	89.77	21.18	961.58	2156.80	858.91	2320.56	1.79	-0.42	-1.74	MWD-SDI-SYS
3221.00	91.24	20.83	961.30	2186.67	870.38	2352.53	4.72	4.59	-1.09	MWD-SDI-SYS
3253.00	92.85	20.38	960.16	2216.61	881.63	2384.48	5.22	5.03	-1.41	MWD-SDI-SYS
3284.00	89.90	21.69	959.41	2245.53	892.75	2415.44	10.41	-9.52	4.23	MWD-SDI-SYS
3316.00	91.51	21.89	959.02	2275.24	904.63	2447.42	5.07	5.03	0.62	MWD-SDI-SYS
3347.00	89.87	24.15	958.64	2303.77	916.75	2478.42	9.01	-5.29	7.29	MWD-SDI-SYS
3379.00	91.18	24.22	958.35	2332.96	929.86	2510.41	4.10	4.09	0.22	MWD-SDI-SYS
3411.00	88.99	23.74	958.30	2362.19	942.86	2542.41	7.01	-6.84	-1.50	MWD-SDI-SYS
3443.00	86.84	24.10	959.47	2391.42	955.83	2574.38	6.81	-6.72	1.12	MWD-SDI-SYS
3475.00	89.53	24.35	960.48	2420.59	968.95	2606.36	8.44	8.41	0.78	MWD-SDI-SYS
3506.00	90.84	23.95	960.38	2448.87	981.63	2637.36	4.42	4.23	-1.29	MWD-SDI-SYS
3538.00	91.51	23.86	959.72	2478.12	994.60	2669.35	2.11	2.09	-0.28	MWD-SDI-SYS
3570.00	92.62	23.84	958.57	2507.37	1007.53	2701.32	3.47	3.47	-0.06	MWD-SDI-SYS
3601.00	94.37	24.38	956.68	2535.61	1020.17	2732.26	5.91	5.65	1.74	MWD-SDI-SYS
3633.00	91.41	23.92	955.07	2564.77	1033.24	2764.22	9.36	-9.25	-1.44	MWD-SDI-SYS
3664.00	89.97	24.09	954.70	2593.09	1045.85	2795.21	4.68	-4.65	0.55	MWD-SDI-SYS
3694.00	90.34	23.80	954.61	2620.50	1058.03	2825.21	1.57	1.23	-0.97	MWD-SDI-SYS
3728.00	89.87	23.19	954.55	2651.68	1071.58	2859.21	2.26	-1.38	-1.79	MWD-SDI-SYS
3759.00	90.94	22.88	954.33	2680.21	1083.71	2890.21	3.59	3.45	-1.00	MWD-SDI-SYS
3791.00	92.46	23.18	953.38	2709.65	1096.22	2922.19	4.84	4.75	0.94	MWD-SDI-SYS
3822.00	91.31	23.30	952.36	2738.12	1108.45	2953.17	3.73	-3.71	0.39	MWD-SDI-SYS
3853.00	91.31	23.88	951.66	2766.52	1120.85	2984.17	1.87	0.00	1.87	MWD-SDI-SYS
3884.00	90.47	24.41	951.17	2794.80	1133.53	3015.16	3.20	-2.71	1.71	MWD-SDI-SYS
3916.00	90.20	24.77	950.99	2823.90	1146.85	3047.15	1.41	-0.84	1.12	MWD-SDI-SYS
3947.00	89.56	26.57	951.05	2851.84	1160.27	3078.12	6.16	-2.06	5.81	MWD-SDI-SYS
3979.00	90.77	27.02	950.96	2880.40	1174.70	3110.07	4.03	3.78	1.41	MWD-SDI-SYS

10/04/2024

4706101537



Scientific Drilling Survey Report



CNX GAS

4706101538

Company: CNX Gas Company, LLC Date: 5/15/2007 Time: 15:56:04 Page: 3
 Field: MONONGALIA COUNTY, WV Co-ordinate(NE) Reference: Well: ACCESS SC-13A, True North
 Site: SC-13A WELL LOCATION Vertical (TVD) Reference: GL 1203.65 + 8 1211.7
 Well: ACCESS SC-13A Section (VS) Reference: Well (0.00N,0.00E,23.37Azi)
 Wellpath: SC13 CENTER Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: Survey #1

MD ft.	Incl deg	Azim deg	TVD ft.	+N-S ft.	+E-W ft.	VS ft.	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
4011.00	91.07	29.22	950.45	2908.62	1189.78	3141.95	6.94	0.94	6.87	MWD-SDI-SYS
4042.00	89.93	28.14	950.18	2935.81	1204.66	3172.81	5.07	-3.68	-3.48	MWD-SDI-SYS
4074.00	91.11	28.37	949.88	2964.00	1219.80	3204.70	3.76	3.69	0.72	MWD-SDI-SYS
4105.00	91.61	30.19	949.15	2991.03	1234.98	3235.52	6.09	1.61	5.87	MWD-SDI-SYS
4137.00	90.03	29.09	948.69	3018.84	1250.78	3267.33	6.02	-4.94	-3.44	MWD-SDI-SYS
4169.00	90.00	29.60	948.68	3046.73	1266.47	3299.15	1.60	-0.09	1.59	MWD-SDI-SYS
4200.00	90.13	30.49	948.65	3073.57	1281.99	3329.94	2.90	0.42	2.87	MWD-SDI-SYS
4232.00	91.04	31.19	948.32	3101.04	1298.39	3361.67	3.59	2.84	2.19	MWD-SDI-SYS
4263.00	91.14	28.75	947.73	3127.89	1313.87	3392.45	7.88	0.32	-7.87	MWD-SDI-SYS
4295.00	91.24	28.13	947.07	3156.02	1329.11	3424.32	1.96	0.31	-1.94	MWD-SDI-SYS
4326.00	90.77	25.90	946.52	3183.63	1343.19	3455.25	7.35	-1.52	-7.19	MWD-SDI-SYS
4358.00	89.50	23.61	946.45	3212.69	1356.58	3487.24	8.18	-3.97	-7.16	MWD-SDI-SYS
4389.00	89.06	22.82	946.84	3241.18	1368.80	3518.24	2.92	-1.42	-2.55	MWD-SDI-SYS
4421.00	89.19	23.25	947.33	3270.62	1381.32	3550.23	1.40	0.41	1.34	MWD-SDI-SYS
4453.00	88.25	20.78	948.04	3300.28	1393.31	3582.21	8.26	-2.94	-7.72	MWD-SDI-SYS
4484.00	88.46	20.41	948.93	3329.28	1404.21	3613.16	1.37	0.68	-1.19	MWD-SDI-SYS
4516.00	90.97	20.86	949.09	3359.23	1415.49	3645.12	7.97	7.84	1.41	MWD-SDI-SYS
4547.00	92.42	20.39	948.17	3388.23	1426.40	3676.07	4.92	4.68	-1.52	MWD-SDI-SYS
4579.00	93.06	20.72	946.64	3418.16	1437.63	3708.00	2.25	2.00	1.03	MWD-SDI-SYS
4611.00	93.63	20.69	944.78	3448.04	1448.92	3739.91	1.78	1.78	-0.09	MWD-SDI-SYS
4642.00	92.05	20.94	943.24	3476.98	1459.92	3770.84	5.16	-5.10	0.81	MWD-SDI-SYS
4675.00	90.40	21.14	942.53	3507.77	1471.77	3803.80	5.04	-5.00	0.61	MWD-SDI-SYS
4707.00	89.93	22.17	942.44	3537.51	1483.58	3835.79	3.54	-1.47	3.22	MWD-SDI-SYS
4738.00	88.35	20.50	942.91	3566.38	1494.85	3866.76	7.42	-5.10	-5.39	MWD-SDI-SYS
4770.00	87.72	20.14	944.00	3596.37	1505.96	3898.70	2.27	-1.97	-1.12	MWD-SDI-SYS
4801.00	89.03	20.30	944.88	3625.45	1516.67	3929.64	4.26	4.23	0.52	MWD-SDI-SYS
4833.00	90.20	20.22	945.10	3655.47	1527.75	3961.59	3.66	3.66	-0.25	MWD-SDI-SYS
4865.00	90.94	20.13	944.78	3685.50	1538.79	3993.54	2.33	2.31	-0.28	MWD-SDI-SYS
4896.00	90.54	20.47	944.38	3714.58	1549.54	4024.49	1.69	-1.29	1.10	MWD-SDI-SYS
4928.00	89.36	20.25	944.41	3744.58	1560.67	4056.45	3.75	-3.69	-0.69	MWD-SDI-SYS
4959.00	90.91	20.97	944.33	3773.59	1571.58	4087.41	5.51	5.00	2.32	MWD-SDI-SYS
4991.00	90.03	21.20	944.07	3803.45	1583.10	4119.38	2.84	-2.75	0.72	MWD-SDI-SYS
5023.00	89.40	21.37	944.23	3833.26	1594.71	4151.36	2.04	-1.97	0.53	MWD-SDI-SYS
5054.00	89.46	21.68	944.54	3862.10	1606.09	4182.34	1.02	0.19	1.00	MWD-SDI-SYS
5086.00	89.26	22.32	944.90	3891.77	1618.07	4214.33	2.10	-0.62	2.00	MWD-SDI-SYS
5117.00	89.70	23.03	945.18	3920.37	1630.02	4245.33	2.69	1.42	2.29	MWD-SDI-SYS
5149.00	90.60	23.24	945.09	3949.80	1642.59	4277.33	2.89	2.81	0.66	MWD-SDI-SYS
5181.00	89.53	22.69	945.06	3979.26	1655.08	4309.33	3.76	-3.34	-1.72	MWD-SDI-SYS
5212.00	89.06	23.33	945.44	4007.79	1667.20	4340.32	2.56	-1.52	2.06	MWD-SDI-SYS
5244.00	89.70	23.96	945.79	4037.10	1680.03	4372.32	2.81	2.00	1.97	MWD-SDI-SYS
5275.00	90.81	24.35	945.65	4065.39	1692.71	4403.32	3.80	3.58	1.26	MWD-SDI-SYS
5307.00	91.41	23.79	945.03	4094.60	1705.76	4435.31	2.56	1.87	-1.75	MWD-SDI-SYS
5339.00	91.71	22.03	944.16	4124.06	1718.22	4467.29	5.58	0.94	-5.50	MWD-SDI-SYS
5370.00	92.21	22.29	943.10	4152.76	1729.90	4498.27	1.82	1.61	0.84	MWD-SDI-SYS
5402.00	91.75	22.42	941.99	4182.33	1742.07	4530.25	1.49	-1.44	0.41	MWD-SDI-SYS
5433.00	90.71	22.65	941.33	4210.96	1753.94	4561.23	3.44	-3.35	0.74	MWD-SDI-SYS
5465.00	89.63	23.42	941.23	4240.41	1766.46	4593.23	4.14	-3.37	2.41	MWD-SDI-SYS
5496.00	87.61	22.98	941.98	4268.89	1778.67	4624.22	6.67	-6.52	-1.42	MWD-SDI-SYS
5528.00	87.81	23.89	943.26	4298.23	1791.39	4656.20	2.91	0.62	2.84	MWD-SDI-SYS
5560.00	89.63	23.71	943.97	4327.50	1804.30	4688.19	5.72	5.69	-0.56	MWD-SDI-SYS
5591.00	90.91	23.69	943.82	4355.88	1816.76	4719.18	4.13	4.13	-0.06	MWD-SDI-SYS
5623.00	91.14	24.15	943.25	4385.13	1829.73	4751.18	1.61	0.72	1.44	MWD-SDI-SYS
5654.00	90.84	22.11	942.72	4413.63	1841.91	4782.17	6.65	-0.97	-6.58	MWD-SDI-SYS

10/04/2024

4706101537



Scientific Drilling Survey Report



4706101538

Company: CNX Gas Company, LLC Date: 5/15/2007 Time: 15:56:04 Page: 4
 Field: MONONGALIA COUNTY, WV Co-ordinate (NE) Reference: Well: ACCESS SC-13A, True North
 Site: SC-13A WELL LOCATION Vertical (TVD) Reference: GL 1203.65 + 8.1211.7
 Well: ACCESS SC-13A Section (VS) Reference: Well (0.00N,0.00E,23.37Azi)
 Wellpath: SC13 CENTER Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: Survey #1

MD ft	Incl deg	Azim deg	TVD ft	+N-S ft	+E-W ft	VS ft	DLS deg/100ft	Buid deg/100ft	Turn deg/100ft	Tool/Comment
5686.00	90.00	22.50	942.48	4443.24	1854.05	4814.16	2.89	-2.62	1.22	MWD-SDI-SYS
5717.00	90.91	22.69	942.24	4471.85	1865.96	4845.16	3.00	2.94	0.61	MWD-SDI-SYS
5742.00	90.81	22.69	941.86	4494.92	1875.60	4870.16	0.40	-0.40	0.00	MWD-SDI-SYS
5773.00	89.70	22.74	941.72	4523.51	1887.57	4901.15	3.58	-3.58	0.16	MWD-SDI-SYS
5792.00	89.63	22.87	941.83	4541.03	1894.94	4920.15	0.78	-0.37	0.68	MWD-SDI-SYS
5830.00	89.60	22.90	942.09	4576.03	1909.71	4958.15	0.11	-0.08	0.08	MWD-SDI-SYS

4706101537

4706101538

EAST



Scientific Drilling
Directional Drilling Operations

CNX Gas Company, LLC

Field: MONONGALIA COUNTY, WV
Site: SC-13A WELL LOCATION
Well: ACCESS SC-13A
Wellpath: SC13 EAST

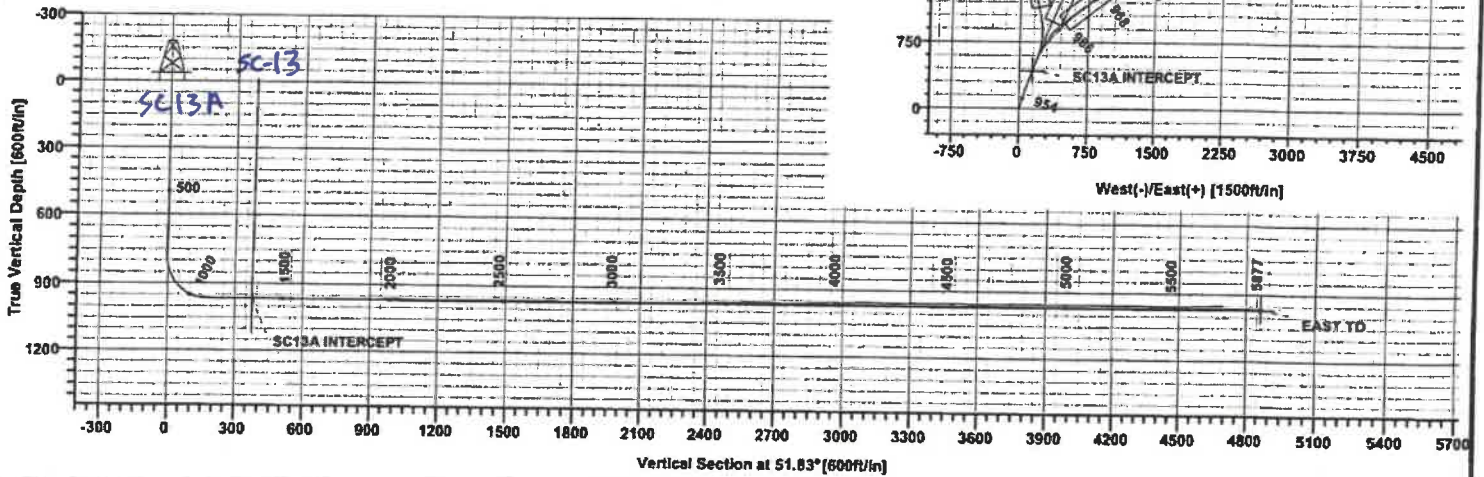
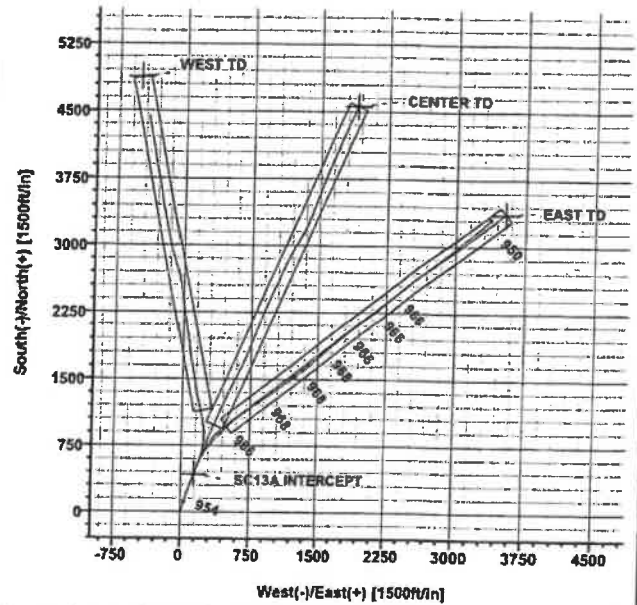


CNX GAS

TARGET-DETAILS						
Name	TVD	+N/S	+E/W	Northing	Easting	Shape
WEST TD	968.00	4880.83	-565.69	449440.68	1754162.14	Rectangle (3800x200)
CENTER TD	968.00	4554.57	1988.65	449101.22	1754574.50	Rectangle (3900x200)
SC13A INTERCEPT	968.00	428.52	145.19	435982.49	1754788.97	Circle (Radius: 1)
EAST TD	968.00	3389.88	3543.31	438890.73	1753188.48	Rectangle (3881x200)

SITE DETAILS	
SC-13A WELL LOCATION Monongalia County, WV	
Site Centre Northing:	435,555.40
Site Centre Easting:	1,754,820.63
Ground Level:	1203.55
GL + 8 RKB:	1211.53
Convergence:	-0.56

Plot Date: 4/23/2007
By: Carl Bakoy
Scientific Drilling, Inc.
800-476-7302
carl.bakoy@scientificdrilling.com



10/04/2024

4706101537



Scientific Drilling Survey Report



4706101538

Company: CNX Gas Company, LLC Date: 5/16/2007 Time: 13:16:59 Page: 1
 Field: MONONGALIA COUNTY, WV Co-ordinate(NE) Reference: Well: ACCESS SC-13A, True North
 Site: SC-13A WELL LOCATION Vertical (TVD) Reference: GL 1203.65 + 8 1211.7
 Well: ACCESS SC-13A Section (VS) Reference: Well (0.00N,0.00E,51.83Az)
 Wellpath: SC13 EAST Survey Calculation Method: Minimum Curvature Db: Sybase

Field: MONONGALIA COUNTY, WV
 Northern West Virginia and Pennsylvania Operations
 USA
 Map System: US State Plane Coordinate System 1927 Map Zone: West Virginia, Northern Zone
 Geo Datum: NAD27 (Clarke 1866) Coordinate System: Well Centre
 Sys Datum: Mean Sea Level Geomagnetic Model: igrf2005

Site: SC-13A WELL LOCATION
 Monongalia County, WV
 Site Position: Northing: 435555.40 ft Latitude: 39 41 33.287 N
 From: Map Easting: 1754620.63 ft Longitude: 80 22 19.162 W
 Position Uncertainty: 0.00 ft North Reference: True
 Ground Level: 1203.65 ft Grid Convergence: -0.56 deg

Well: ACCESS SC-13A Slot Name:
 Well Position: +N-S 0.00 ft Northing: 435555.40 ft Latitude: 39 41 33.287 N
 +E-W 0.00 ft Easting: 1754620.63 ft Longitude: 80 22 19.162 W
 Position Uncertainty: 0.00 ft

Wellpath: SC13 EAST Drilled From: SC13 WEST
 Current Datum: GL 1203.65 + 8 Height 1211.65 ft Tie-on Depth: 1450.00 ft
 Magnetic Data: 4/23/2007 Above System Datum: Mean Sea Level
 Field Strength: 53317 nT Declination: -8.56 deg
 Vertical Section: Depth From (TVD) +N-S +E-W Mag Dip Angle: 67.76 deg
 ft ft ft Direction deg
 0.00 0.00 0.00 51.83

Survey: Survey #1 Start Date: 5/11/2007
 Company: SDI Engineer: Carl Bakay
 Tool: MWD-SDI-SYS, Scientific MWD Systematic Tied-to: User Defined

Survey: Survey #1

MD ft	Incl deg	Azim deg	TVD ft	+N-S ft	+E-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
1450.00	89.83	18.92	965.01	552.47	192.34	492.64	0.00	0.00	0.00	MWD-SDI-SYS
1482.00	88.42	23.03	965.50	582.34	203.79	520.10	13.58	-4.41	12.84	MWD-SDI-SYS
1514.00	88.96	26.29	966.23	611.41	217.14	548.56	10.32	1.69	10.19	MWD-SDI-SYS
1546.00	89.70	29.74	966.61	639.65	232.17	577.83	11.03	2.31	10.78	MWD-SDI-SYS
1577.00	90.57	31.11	966.53	666.38	247.86	606.69	5.24	2.81	4.42	MWD-SDI-SYS
1609.00	89.63	32.55	966.48	693.57	264.74	636.76	5.37	-2.94	4.50	MWD-SDI-SYS
1640.00	89.06	34.37	966.83	719.43	281.83	666.17	6.15	-1.84	5.87	MWD-SDI-SYS
1672.00	89.80	37.50	967.15	745.33	300.61	696.95	10.05	2.31	9.78	MWD-SDI-SYS
1703.00	89.83	40.40	967.25	769.44	320.09	727.16	9.36	0.10	9.35	MWD-SDI-SYS
1735.00	89.90	42.27	967.33	793.47	341.23	758.63	5.85	0.22	5.84	MWD-SDI-SYS
1767.00	90.47	41.50	967.22	817.29	362.59	790.14	2.99	1.78	-2.41	MWD-SDI-SYS
1798.00	91.17	40.90	966.78	840.61	383.01	820.61	2.97	2.26	-1.94	MWD-SDI-SYS
1830.00	89.97	43.01	966.46	864.41	404.40	852.13	7.59	-3.75	6.59	MWD-SDI-SYS
1861.00	90.50	41.80	966.33	887.30	425.30	882.71	4.26	1.71	-3.90	MWD-SDI-SYS
1893.00	91.14	41.74	965.88	911.16	446.62	914.22	2.01	2.00	-0.19	MWD-SDI-SYS
1925.00	92.32	43.65	964.91	934.67	468.30	945.79	7.01	3.69	5.97	MWD-SDI-SYS
1956.00	92.55	45.90	963.59	956.65	490.12	976.53	7.29	0.74	7.26	MWD-SDI-SYS
1988.00	88.56	47.16	963.28	978.66	513.33	1008.38	13.08	-12.47	3.94	MWD-SDI-SYS
2019.00	88.79	46.01	964.00	999.96	535.85	1039.24	3.78	0.74	-3.71	MWD-SDI-SYS
2082.00	88.47	47.83	965.51	1042.98	581.85	1101.99	2.93	-0.51	2.89	MWD-SDI-SYS
2114.00	90.10	51.82	965.91	1063.61	606.29	1133.96	13.47	5.09	12.47	MWD-SDI-SYS
2146.00	90.84	51.71	965.64	1083.42	631.42	1165.96	2.34	2.31	-0.34	MWD-SDI-SYS
2177.00	90.94	51.48	965.16	1102.67	655.71	1196.96	0.81	0.32	-0.74	MWD-SDI-SYS
2209.00	90.77	52.07	964.68	1122.47	680.85	1228.95	1.92	-0.53	1.84	MWD-SDI-SYS

4706101537



Scientific Drilling Survey Report



Company: CNX Gas Company, LLC
 Field: MONONGALIA COUNTY, WV
 Site: SC-13A WELL LOCATION
 Well: ACCESS SC-13A
 Wellpath: SC13 EAST

Date: 5/16/2007 Time: 13:16:59 Page: 1
 Co-ordinate (NE) Reference: Well: ACCESS SC-13A, True North
 Vertical (TVD) Reference: GL 1203.65 + 8 1211.7
 Section (VS) Reference: Well (0.00N,0.00E,51.83Azl)
 Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: Survey #1

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
2241.00	87.79	49.51	965.09	1142.69	705.64	1260.94	12.28	-9.31	-8.00	MWD-SDI-SYS
2273.00	87.38	51.38	966.43	1163.05	730.29	1292.90	5.98	-1.28	5.84	MWD-SDI-SYS
2305.00	88.76	53.33	967.51	1182.59	755.61	1324.88	7.46	4.31	6.09	MWD-SDI-SYS
2337.00	87.65	55.08	968.52	1201.29	781.55	1356.83	6.47	-3.47	5.47	MWD-SDI-SYS
2368.00	90.94	55.05	968.90	1219.04	806.96	1387.78	10.61	10.61	-0.10	MWD-SDI-SYS
2400.00	90.84	55.45	968.40	1237.28	833.25	1419.72	1.29	-0.31	1.25	MWD-SDI-SYS
2431.00	90.67	55.88	967.99	1254.76	858.84	1450.65	1.49	-0.55	1.39	MWD-SDI-SYS
2463.00	90.81	56.64	967.58	1272.53	885.45	1482.55	2.41	0.44	2.37	MWD-SDI-SYS
2494.00	89.93	57.12	967.38	1289.47	911.41	1513.43	3.23	-2.84	1.55	MWD-SDI-SYS
2526.00	89.26	57.00	967.60	1308.87	938.27	1545.29	2.13	-2.09	-0.37	MWD-SDI-SYS
2557.00	89.93	54.96	967.82	1324.21	963.96	1576.21	6.93	2.16	-6.58	MWD-SDI-SYS
2589.00	90.60	55.84	967.67	1342.38	990.30	1608.14	3.46	2.09	2.75	MWD-SDI-SYS
2621.00	93.56	53.96	966.51	1360.77	1016.46	1640.07	10.96	9.25	-5.87	MWD-SDI-SYS
2652.00	94.27	54.26	964.40	1378.90	1041.52	1670.98	2.49	2.29	0.97	MWD-SDI-SYS
2684.00	90.03	50.86	963.20	1398.33	1066.90	1702.94	16.98	-13.25	-10.62	MWD-SDI-SYS
2716.00	86.48	52.19	964.17	1418.23	1091.93	1734.92	11.85	-11.09	4.16	MWD-SDI-SYS
2747.00	87.24	52.78	965.87	1437.08	1116.48	1765.87	3.10	2.45	1.90	MWD-SDI-SYS
2779.00	89.50	53.16	966.78	1456.34	1142.02	1797.85	7.16	7.06	1.19	MWD-SDI-SYS
2810.00	90.87	53.13	966.68	1474.93	1166.82	1828.84	4.42	4.42	-0.10	MWD-SDI-SYS
2842.00	89.06	51.43	966.70	1494.51	1192.13	1860.83	7.76	-5.66	-5.31	MWD-SDI-SYS
2873.00	87.59	51.02	967.60	1513.92	1216.29	1891.82	4.92	-4.74	-1.32	MWD-SDI-SYS
2905.00	90.64	52.28	968.10	1533.77	1241.38	1923.81	10.31	9.53	3.94	MWD-SDI-SYS
2936.00	90.40	53.42	967.82	1552.49	1266.09	1954.80	3.76	-0.77	3.68	MWD-SDI-SYS
2968.00	89.97	53.76	967.71	1571.48	1291.84	1986.79	1.71	-1.34	1.06	MWD-SDI-SYS
3000.00	91.34	53.03	967.35	1590.56	1317.52	2018.77	4.85	4.28	-2.28	MWD-SDI-SYS
3031.00	91.81	51.62	966.50	1609.50	1342.05	2049.76	4.79	1.52	-4.55	MWD-SDI-SYS
3063.00	91.04	50.95	965.70	1629.51	1367.01	2081.75	3.19	-2.41	-2.09	MWD-SDI-SYS
3094.00	89.13	50.45	965.65	1649.14	1391.00	2112.74	6.37	-6.16	-1.61	MWD-SDI-SYS
3126.00	87.81	49.70	966.51	1669.67	1415.53	2144.71	4.74	-4.12	-2.34	MWD-SDI-SYS
3158.00	88.76	48.50	967.47	1690.61	1439.71	2176.66	4.78	2.97	-3.75	MWD-SDI-SYS
3189.00	90.64	48.38	967.63	1711.17	1462.90	2207.60	6.08	6.06	-0.39	MWD-SDI-SYS
3221.00	91.07	48.87	967.15	1732.32	1486.91	2239.55	2.04	1.34	1.53	MWD-SDI-SYS
3252.00	90.94	48.78	966.61	1752.73	1510.24	2270.50	0.51	-0.42	-0.29	MWD-SDI-SYS
3284.00	90.60	49.33	966.18	1773.70	1534.41	2302.46	2.02	-1.06	1.72	MWD-SDI-SYS
3316.00	92.02	50.95	965.45	1794.20	1558.97	2334.44	6.73	4.44	5.06	MWD-SDI-SYS
3347.00	92.75	51.38	964.16	1813.62	1583.09	2365.41	2.73	2.35	1.39	MWD-SDI-SYS
3379.00	91.38	50.53	963.00	1833.77	1607.93	2397.38	5.04	-4.28	-2.66	MWD-SDI-SYS
3410.00	92.35	50.63	961.99	1853.44	1631.86	2428.36	3.15	3.13	0.32	MWD-SDI-SYS
3443.00	90.94	51.11	961.05	1874.26	1657.45	2461.34	4.51	-4.27	1.45	MWD-SDI-SYS
3475.00	90.84	51.21	960.55	1894.32	1682.37	2493.33	0.44	-0.31	0.31	MWD-SDI-SYS
3506.00	90.40	50.57	960.21	1913.88	1706.42	2524.33	2.51	-1.42	-2.06	MWD-SDI-SYS
3538.00	91.01	50.60	959.82	1934.19	1731.14	2556.32	1.91	1.91	0.09	MWD-SDI-SYS
3569.00	90.44	49.73	959.43	1954.05	1754.95	2587.30	3.35	-1.84	-2.81	MWD-SDI-SYS
3601.00	90.50	48.55	959.17	1974.98	1779.15	2619.27	3.69	0.19	-3.69	MWD-SDI-SYS
3633.00	89.02	49.14	959.30	1996.04	1803.24	2651.22	4.98	-4.62	1.84	MWD-SDI-SYS
3664.00	88.42	49.01	959.99	2016.34	1826.66	2682.18	1.98	-1.94	-0.42	MWD-SDI-SYS
3696.00	87.42	50.07	961.15	2037.10	1850.99	2714.13	4.55	-3.12	3.31	MWD-SDI-SYS
3727.00	87.31	51.51	962.58	2056.67	1874.98	2745.09	4.65	-0.35	4.65	MWD-SDI-SYS
3759.00	90.57	52.97	963.17	2076.26	1900.27	2777.08	11.16	10.19	4.56	MWD-SDI-SYS
3790.00	92.75	53.08	962.27	2094.90	1925.03	2808.06	7.04	7.03	0.35	MWD-SDI-SYS
3822.00	92.79	52.26	960.73	2114.28	1950.44	2840.02	2.56	0.12	-2.56	MWD-SDI-SYS
3852.00	91.48	51.81	959.61	2132.72	1974.08	2869.99	4.62	-4.37	-1.50	MWD-SDI-SYS
3884.00	91.74	52.17	958.71	2152.42	1999.28	2901.98	1.39	0.81	1.12	MWD-SDI-SYS



Scientific Drilling Survey Report



Company: CNX Gas Company, LLC **Date:** 5/16/2007 **Time:** 13:16:59 **Page:** 3
Field: MONONGALIA COUNTY, WV **Co-ordinate (NE) Reference:** Well: ACCESS SC-13A, True North
Site: SC-13A WELL LOCATION **Vertical (TVD) Reference:** GL 1203.65 + 8.1211.7
Well: ACCESS SC-13A **Section (VS) Reference:** Well (0.00N,0.00E,51.83Azi)
Wellpath: SC13 EAST **Survey Calculation Method:** Minimum Curvature **Db:** Sybase

Survey: Survey #1

MD ft	Incl deg	Azim deg	TVD ft	N-S ft	E-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
3916.00	91.11	51.85	957.91	2172.11	2024.49	2933.97	2.21	-1.97	-1.00	MWD-SDI-SYS
3947.00	89.80	52.31	957.67	2191.16	2048.94	2964.97	4.48	-4.23	1.48	MWD-SDI-SYS
3979.00	90.77	52.49	957.51	2210.68	2074.30	2996.97	3.08	3.03	0.56	MWD-SDI-SYS
4010.00	91.68	52.28	956.85	2229.60	2098.85	3027.96	3.01	2.94	-0.68	MWD-SDI-SYS
4042.00	92.72	51.20	955.62	2249.40	2123.95	3059.93	4.68	3.25	-3.37	MWD-SDI-SYS
4074.00	91.95	50.28	954.31	2269.63	2148.71	3091.90	3.75	-2.41	-2.87	MWD-SDI-SYS
4105.00	88.86	50.17	954.09	2289.46	2172.53	3122.88	9.97	-9.97	-0.35	MWD-SDI-SYS
4137.00	87.15	49.55	955.21	2310.08	2196.98	3154.84	5.68	-5.34	-1.94	MWD-SDI-SYS
4168.00	88.09	50.14	956.50	2330.05	2220.65	3185.80	3.58	3.03	1.90	MWD-SDI-SYS
4200.00	90.03	51.09	957.02	2350.35	2245.38	3217.79	6.75	6.06	2.97	MWD-SDI-SYS
4231.00	91.04	50.98	956.73	2369.85	2269.48	3248.78	3.28	3.26	-0.35	MWD-SDI-SYS
4263.00	91.31	50.46	956.08	2390.10	2294.25	3280.77	1.83	0.84	-1.62	MWD-SDI-SYS
4295.00	92.35	49.69	955.05	2410.63	2318.77	3312.74	4.04	3.25	-2.41	MWD-SDI-SYS
4326.00	90.34	49.13	954.33	2430.79	2342.31	3343.70	6.73	-6.48	-1.81	MWD-SDI-SYS
4358.00	89.46	49.47	954.38	2451.66	2366.57	3375.67	2.95	-2.75	1.06	MWD-SDI-SYS
4389.00	90.67	49.76	954.35	2471.74	2390.18	3406.64	4.01	3.90	0.94	MWD-SDI-SYS
4421.00	89.53	49.56	954.29	2492.46	2414.57	3438.62	3.62	-3.56	-0.62	MWD-SDI-SYS
4453.00	89.36	49.38	954.60	2513.25	2438.89	3470.59	0.77	-0.53	-0.56	MWD-SDI-SYS
4484.00	88.99	49.72	955.05	2533.36	2462.48	3501.56	1.62	-1.19	1.10	MWD-SDI-SYS
4516.00	88.82	50.19	955.66	2553.95	2486.97	3533.54	1.56	-0.53	1.47	MWD-SDI-SYS
4547.00	89.23	50.76	956.19	2573.67	2510.88	3564.53	2.26	1.32	1.84	MWD-SDI-SYS
4579.00	89.70	51.88	956.48	2593.67	2535.86	3596.52	3.80	1.47	3.50	MWD-SDI-SYS
4611.00	90.30	52.97	956.48	2613.18	2561.22	3628.52	3.89	1.87	3.41	MWD-SDI-SYS
4642.00	90.87	53.19	956.17	2631.80	2586.00	3659.51	1.97	1.84	0.71	MWD-SDI-SYS
4675.00	91.58	53.53	955.46	2651.49	2612.47	3692.49	2.39	2.15	1.03	MWD-SDI-SYS
4706.00	91.95	53.15	954.51	2669.99	2637.33	3723.47	1.71	1.19	-1.23	MWD-SDI-SYS
4738.00	90.27	52.64	953.89	2689.29	2662.85	3755.45	5.49	-5.25	-1.59	MWD-SDI-SYS
4770.00	88.25	52.23	954.30	2708.80	2688.21	3787.45	6.44	-6.31	-1.28	MWD-SDI-SYS
4801.00	89.33	52.29	954.96	2727.77	2712.72	3818.44	3.49	3.48	0.19	MWD-SDI-SYS
4833.00	90.07	52.79	955.12	2747.23	2738.12	3850.44	2.79	2.31	1.56	MWD-SDI-SYS
4864.00	89.90	51.00	955.13	2766.36	2762.51	3881.43	5.80	-0.55	-5.77	MWD-SDI-SYS
4896.00	89.90	50.21	955.19	2786.67	2787.24	3913.43	2.47	0.00	-2.47	MWD-SDI-SYS
4928.00	90.81	48.42	954.99	2807.53	2811.50	3945.39	6.27	2.84	-5.59	MWD-SDI-SYS
4959.00	89.70	48.74	954.85	2828.04	2834.75	3976.34	3.73	-3.58	1.03	MWD-SDI-SYS
4991.00	89.63	48.95	955.04	2849.10	2858.84	4008.30	0.69	-0.22	0.66	MWD-SDI-SYS
5023.00	89.40	48.98	955.31	2870.11	2882.98	4040.26	0.72	-0.72	0.09	MWD-SDI-SYS
5054.00	89.50	49.59	955.61	2890.33	2906.47	4071.23	1.99	0.32	1.97	MWD-SDI-SYS
5086.00	89.80	49.72	955.80	2911.04	2930.86	4103.20	1.02	0.94	0.41	MWD-SDI-SYS
5117.00	89.87	49.20	955.89	2931.19	2954.42	4134.18	1.69	0.23	-1.68	MWD-SDI-SYS
5149.00	90.74	48.53	955.72	2952.24	2978.52	4166.13	3.43	2.72	-2.09	MWD-SDI-SYS
5181.00	91.11	48.60	955.20	2973.41	3002.51	4198.08	1.18	1.16	0.22	MWD-SDI-SYS
5212.00	89.87	48.05	954.94	2994.03	3025.66	4229.02	4.38	-4.00	-1.77	MWD-SDI-SYS
5244.00	89.70	48.06	955.06	3015.41	3049.46	4260.95	0.53	-0.53	0.03	MWD-SDI-SYS
5275.00	90.37	46.83	955.04	3036.38	3072.30	4291.85	4.52	2.16	-3.97	MWD-SDI-SYS
5307.00	88.49	47.97	955.36	3058.04	3095.85	4323.75	6.87	-5.87	3.56	MWD-SDI-SYS
5338.00	87.92	48.81	956.33	3078.61	3119.02	4354.68	3.27	-1.84	2.71	MWD-SDI-SYS
5370.00	88.56	48.99	957.31	3099.64	3143.12	4386.63	2.08	2.00	0.56	MWD-SDI-SYS
5402.00	89.36	49.16	957.89	3120.60	3167.29	4418.58	2.56	2.50	0.53	MWD-SDI-SYS
5433.00	90.64	49.18	957.89	3140.86	3190.75	4449.55	4.13	4.13	0.06	MWD-SDI-SYS
5465.00	90.97	48.63	957.44	3161.90	3214.86	4481.50	2.00	1.03	-1.72	MWD-SDI-SYS
5496.00	91.48	48.36	956.78	3182.44	3238.07	4512.45	1.86	1.65	-0.87	MWD-SDI-SYS
5528.00	91.04	47.65	956.08	3203.84	3261.85	4544.37	2.61	-1.37	-2.22	MWD-SDI-SYS
5559.00	91.61	47.52	955.36	3224.74	3284.73	4575.27	1.89	1.84	-0.42	MWD-SDI-SYS

4706101537



Scientific Drilling Survey Report



Company: CNX Gas Company, LLC	Date: 5/16/2007	Time: 13:16:59	Page: 4
Field: MONONGALIA COUNTY, WV	Co-ordinate (NE) Reference: Well: ACCESS SC-13A, True North		
Site: SC-13A WELL LOCATION	Vertical (TVD) Reference: GL: 1203.65 + 8 1211.7		
Well: ACCESS SC-13A	Section (VS) Reference: Well (0.00N,0.00E,51.83Azi)		
Wellpath: SC13 EAST	Survey Calculation Method: Minimum Curvature		Db: Sybase

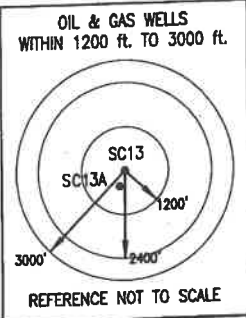
Survey: Survey #1

MD ft	Incl deg	Azlm deg	TVD ft	+N-S ft	-E-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
5590.00	92.25	47.52	954.32	3245.67	3307.58	4606.17	2.06	2.06	0.00	MWD-SDI-SYS
5620.00	92.65	47.04	953.03	3266.00	3329.60	4636.05	2.08	1.33	-1.60	MWD-SDI-SYS
5650.00	92.82	46.42	951.60	3286.54	3351.42	4665.89	2.14	0.57	-2.07	MWD-SDI-SYS
5681.00	92.28	45.19	950.22	3308.13	3373.62	4696.69	4.33	-1.74	-3.97	MWD-SDI-SYS

4706101537P

LATITUDE 39°42'30"

LONGITUDE 80°20'00"



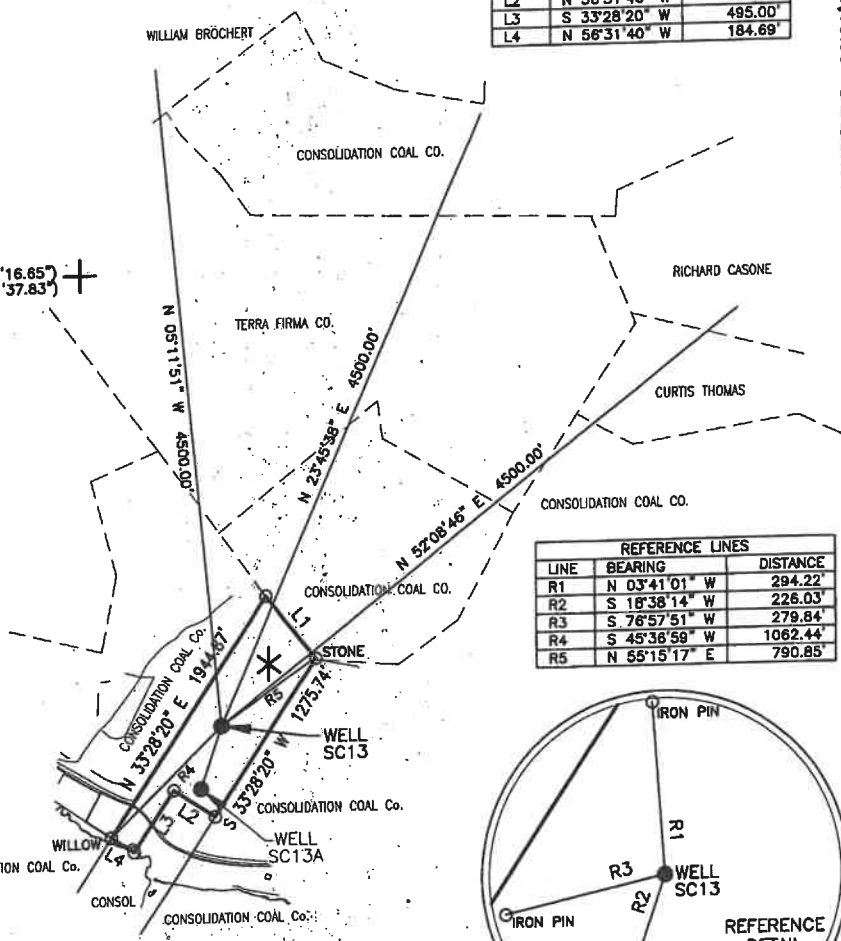
LINE	BEARING	DISTANCE
L1	S 38°08'13" E	551.92'
L2	N 56°31'40" W	339.04'
L3	S 33°28'20" W	495.00'
L4	N 56°31'40" W	184.69'

COORDINATES:
10,748' WEST (80°22'16.65")
5,319' SOUTH (39°41'37.83")

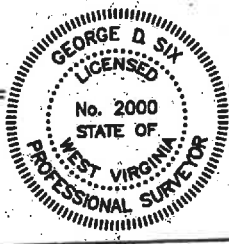
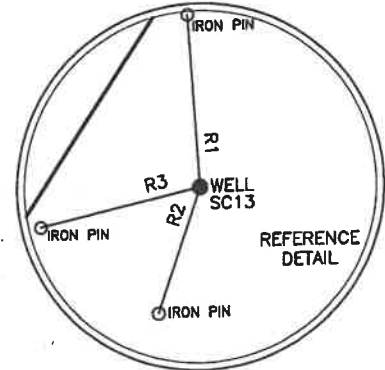


CONSOLIDATION COAL Co.
TM/PAR 9/30
DB/PG 1298/683
18.500 ACRES ±

Blue Mountain Engineering
11023 MASON DIXON HIGHWAY
BURTON, WV 26562
PHONE: (304) 682-8486



LINE	BEARING	DISTANCE
R1	N 03°41'01" W	294.22'
R2	S 18°38'14" W	226.03'
R3	S 76°57'51" W	279.84'
R4	S 45°36'59" W	1062.44'
R5	N 65°15'17" E	790.85'



I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAN 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 ENERGY.

P.S. No. 2000

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

DATE JULY 20 20 06
OPERATOR'S WELL NO. SC13
API WELL NO. 47 - 061 - 01537C
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY: 1/2500 FILE No.: SC13
SCALE: 1" = 1000'
PROVEN SOURCE OF ELEVATION: U.S.G.S. MONUMENT - THOMAS 1498.81'

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



WELL TYPE: OIL: _____ GAS LIQUID INJECTION _____ WASTE DISPOSAL _____ "GAS" PRODUCTION STORAGE _____ DEEP _____ SHALLOW

LOCATION: ELEVATION: 1239.70' WATERSHED: CAMP RUN
DISTRICT: BATTELLE COUNTY: MONONGALIA QUADRANGLE: WADESTOWN, WV 7.5'
SURFACE OWNER: CONSOLIDATION COAL CO. ACREAGE: 18.500±
ROYALTY OWNER: SEE ATTACHED LEASE ACREAGE: _____
PROPOSED WORK: _____ LEASE No.: _____
DRILL: CONVERT: _____ DRILL DEEPER: _____ REDRILL: _____ FRACTURE, OR STIMULATE: _____ PLUG OFF OLD: _____
FORMATION: _____ PERFORATE NEW FORMATION: _____ PLUG AND ABANDON: _____ CLEAN OUT AND REPLUG: _____ OTHER: _____
PHYSICAL CHANGE IN WELL (SPECIFY): NONE TARGET FORMATION: PITTSBURGH
ESTIMATED DEPTH: 1004'±

WELL OPERATOR: CNX Gas Company LLC DESIGNATED AGENT: JOHN H. JOHNSTON
ADDRESS: 100 EVERGREEN DRIVE, SUITE-103, WAYNESBURG, PA 15370 ADDRESS: BANK ONE CENTER, PO BOX 1588, CHARLESTON, WV 25326-1588

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

10/04/2024

4706101537 P

61-01537

FORM WW-5(B)_ (8/1998)

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS		FOOTAGE INTERVALS		CEMENT	
	Size	Grade	Weight per ft.	For Drilling	Left in Well	Fill-up (cu. ft.)
Conductor	13 3/8"				40'	To Surface
Fresh Water	9 5/8"			BN 10-30-06	400'	To surface
Coal	7"				1197'	To Surface
Intermediate						
Production	7"				1197'	To Surface
Tubing						
Liners						

PACKERS:

For Office of Oil and Gas Use Only

Fee(s) paid:
 Well Work Permit
 Reclamation Fund
 WPCP
 Plat
 WW-9
 WW-5B
 Bond _____
 Agent
(Type)

RECEIVED
Office of Oil and Gas

JUL 08 2024

WV Department of
Environmental Protection

10/04/2024

4706101537P

1) Date: 6/26/2024
2) Operator's Well Number SC13

3) API Well No.: 47 - 061 - 01537

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

4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>Consol Mining Company</u>	Name <u>Wolfpen Knob Development Co., LLC</u>
Address <u>275 Technology Dr. Ste 101</u>	Address <u>275 Technology Dr. Ste 101</u>
<u>Canonsburg, PA 15317</u>	<u>Canonsburg, PA 15317</u>
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>CNX RCPC, LLC</u>
	Address <u>275 Technology Dr. Ste 101</u>
	<u>Canonsburg, PA 15317</u>
(c) Name _____	Name _____
Address _____	Address _____
6) Inspector <u>Gayne Knitowski</u>	(c) Coal Lessee with Declaration
Address <u>21 Enegy Way</u>	Name _____
<u>Gormanian, 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

Subscribed and sworn before me this 26 day of June, 2024
Jeffrey Bush Notary Public
 My Commission Expires September 28, 2028

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

Oil and Gas Privacy Notice

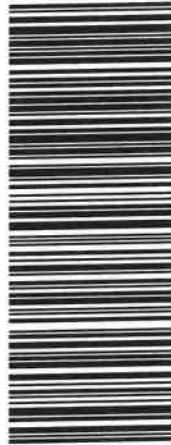
The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory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

10/04/2024

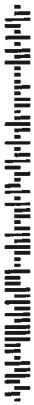
4706101537p

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

USPS CERTIFIED MAIL™



9407 1362 0855 1363 1242 26



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

US POSTAGE AND FEES PAID
2024-06-27
25301
C4000004
Retail
4.0 OZ FLAT



0901000010725



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

10/04/2024

SURFACE OWNER WAIVER

4706101537P

Operator's Well
Number

4706101537

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 57th 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

RECEIVED
Office of Oil and Gas
MAY 15 2024
WV Department of
Environmental Protection

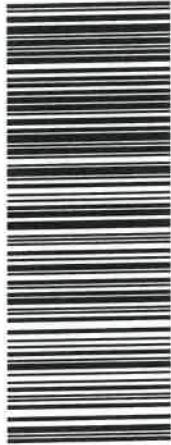
_____	Date _____	Name _____
Signature		By _____
		Its _____
		Date _____

Signature _____ Date **10/04/2024**

4706101537P

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

USPS CERTIFIED MAIL™



9407 1362 0855 1363 1119 05



WOLFPEN KNOB DEVELOPMENT CO LLC
275 TECHNOLOGY DR STE 101
CANONSBURG PA 15317-9565

US POSTAGE AND FEES PAID
2024-06-27
25301
C4000004
Retail
4.0 OZ FLAT



0901000010725

RECEIVED
Office of Oil and Gas

JUL 08 2024

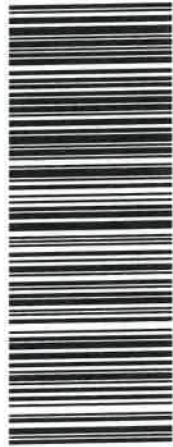
WV Department of
Environmental Protection

10/04/2024

4706101537P

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

USPS CERTIFIED MAIL™



9407 1362 0855 1363 1329 24



CNX RCP C LLC
275 TECHNOLOGY DR STE 101
CANONSBURG PA 15317-9565

US POSTAGE AND FEES PAID
2024-06-27
25301
C4000004
Retail
4.0 OZELAT



0901000010729

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

10/04/2024

WW-4B

4706101537P

API No.	4706101537
Farm Name	<u>Consolidation Coal</u>
Well No.	<u>SC13</u>

**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 _____

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

10/04/2024



DIVERSIFIED
energy

4706101537P

Date: 6/26/2024

James Martin
Office of Oil and Gas
601 57th 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 4706101537 Well Name SC13

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

Sincerely,

Diversified Energy Permitting Department

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



4706101537P

west virginia department of environmental protection

Office of Oil and Gas
601 57th 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.

10/04/2024

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

4706101537P

WW-9
(5/16)

API Number 47 - 061 - 01537
Operator's Well No. SC13

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) Camp Run 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 24

[Signature] Notary Public

My commission expires September 28, 2028

RECEIVED
Office of Oil and Gas
JUL 08 2024
WV Department of Environmental Protection
10/04/2024

Proposed Revegetation Treatment: Acres Disturbed +/- 1 ac. Prevegetation 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
Red Fescue	40
Alsike	5
Annual Rye	15

Seed Type	lbs/acre
Red Fescue	15
Alsike Clover	5

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: Gayne Knitowski, Inspector

Digitally signed by Gayne Knitowski, Inspector Date: 2024.06.28 12:28:15 -0400

Comments:

Title: Inspector

Date: 6-28-2024

Field Reviewed? (X) Yes () No

RECEIVED Office of Oil and Gas

JUL 08 2024

WV Department of Environmental Protection

10/04/2024



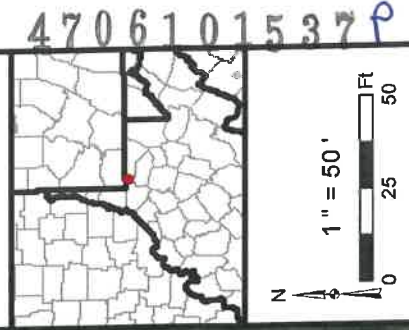
Diversified Gas & Oil
Corporation
100 Diversified Way
Pikeville KY, 41051

47-061-01537

Well Plugging Map

Legend

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



Well No.: 47-061-01537
UTM83-17, Meters
North: 4393962.63
East: 553905.35
Elev.: 382.37 M
Elev.: 1254.17 Ft

Primary Pit

Secondary Pit

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






10/04/2024

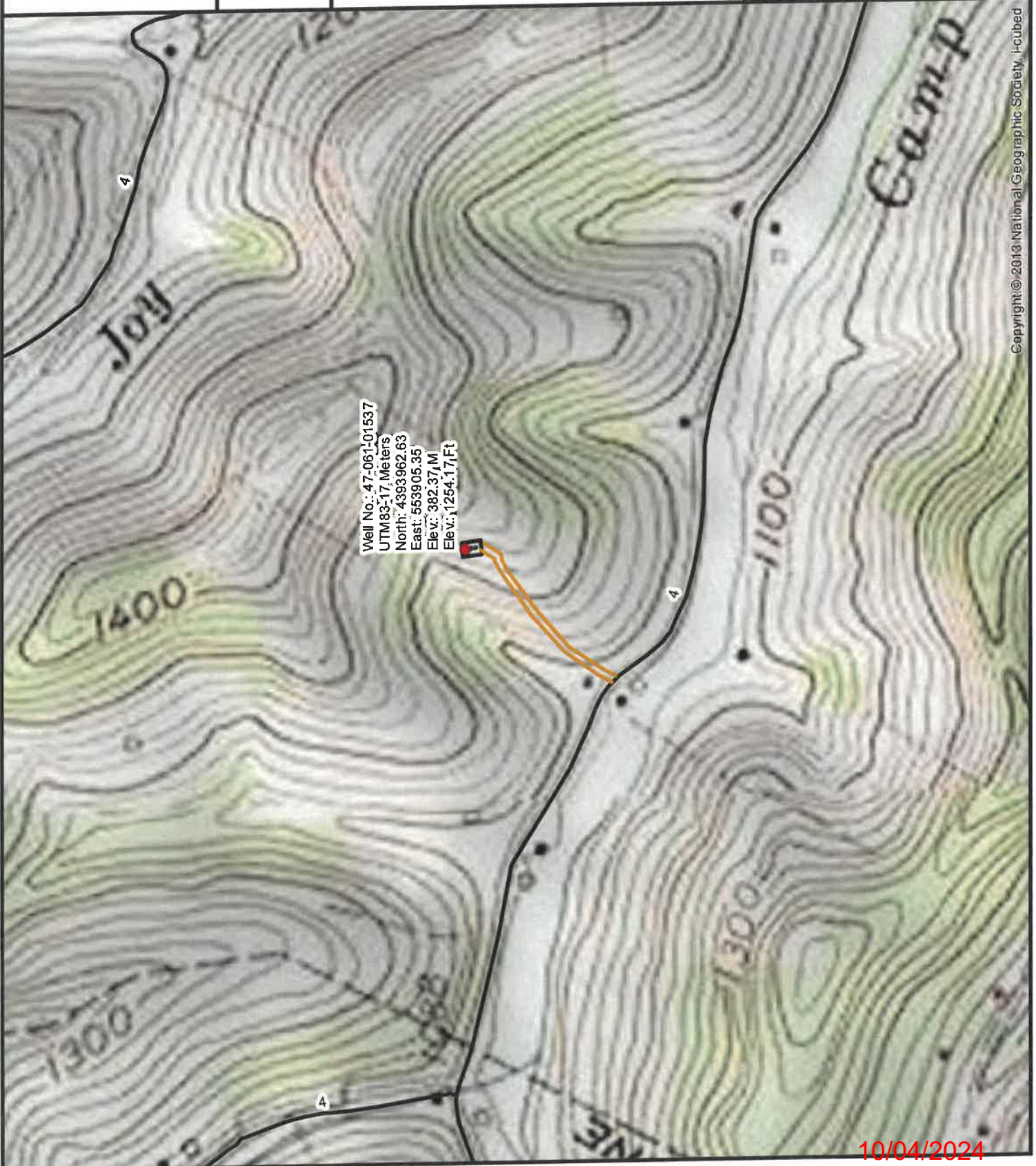
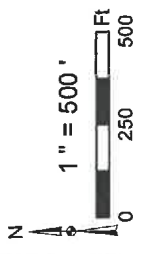


Diversified Gas & Oil Corporation
100 Diversified Way
Pikeville KY, 41051

47-061-01537
Well Plugging Map

Legend

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



Well No.: 47-061-01537
 UTM 83-17, Meters
 North: 4393962.63
 East: 553905.35
 Elev.: 382.37, M
 Elev.: 1254.17, Ft

4706101537P

WW-7
8-30-06



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

API: 4706101537 WELL NO.: SC13

FARM NAME: Consolidation Coal

RESPONSIBLE PARTY NAME: Diversified Production, LLC

COUNTY: Monongalia DISTRICT: Wadestown BATTELLE

QUADRANGLE: Hundred 7.5' WADESTOWN

SURFACE OWNER: Consol Mining Company

ROYALTY OWNER: Mountain V Oil & Gas, Inc.

UTM GPS NORTHING: 4393962.63

UTM GPS EASTING: 553905.35 GPS ELEVATION: 1254.17'

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:

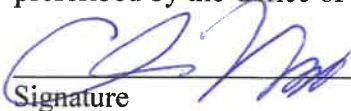
1. Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
2. Accuracy to Datum – 3.05 meters
3. Data Collection Method:

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

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

10/04/2024

4706101537P

11/10/2016

PLUGGING PERMIT CHECKLIST
4706101537

CBM

Plugging Permit

- WW-4B
- WW-4B signed by inspector
- WW-4A
- SURFACE OWNER WAIVER or PROOF THAT APPLICATION WAS SENT BY REGISTERED OR CERTIFIED MAIL
- COAL OWNER/COAL OPERATOR/COAL LESSEE WAIVERS or PROOF THAT APPLICATION WAS SENT BY REGISTERED OR CERTIFIED MAIL
- WW-9 PAGE 1 (NOTARIZED)
- WW-9 PAGE 2 with attached drawing of road, location, pit and proposed area for land application
- WW-9 GPP PAGE 1 and 2 if well effluent will be land applied
- RECENT MYLAR PLAT OR WW-7
- WELL RECORDS/COMPLETION REPORT
- TOPOGRAPHIC MAP OF WELL, SHOWING PIT IF PIT IS USED
- MUST HAVE VALID BOND IN OPERATOR'S NAME
- CHECK FOR \$100 IF PIT IS USED

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

10/04/2024