



Commonwealth of Virginia  
Department of Mines, Minerals, and Energy  
Division of Gas and Oil  
P.O. Drawer 159, Lebanon, VA 24266  
Telephone: (276) 415-9700

---

<b>Tracking Number:</b>	<u>2306</u>
<b>Company:</b>	<u>CNX Gas Company LLC</u>
<b>File Number:</b>	<u>BU-4275</u>
<b>Operations Name:</b>	<u>CBM B18A W/PL</u>
<b>Operation Type:</b>	<u>Coalbed/Pipeline</u>
<b>Drilling Report Type:</b>	<u>Original</u>

## DRILLING REPORT (DGO-GO-14)

### 1. Drilling Data

Date drilling commenced:	<u>9/30/2009</u>	Drilling Contractor:	<u>NOAH HORN</u>
Date drilling completed:	<u>10/8/2009</u>	Rig Type:	<input checked="" type="checkbox"/> Rotary <input type="checkbox"/> Cable
Driller's Total Depth (feet):	<u>2442.50</u>		
Log Total Depth (feet):	<u>2416.54</u>	Coal Seam at Total Depth:	<u>Pocahontas</u>

### 2. Final Location Plat (as required by 4 VAC25-150-360.C.)

Permitted State Plane X:	<u>10461791.2300</u>	Final Plat State Plane X:	<u>10461783.3300</u>
Permitted State Plane Y:	<u>3644886.2700</u>	Final Plat State Plane Y:	<u>3644884.1300</u>

Plat Previously Submitted Or...

List of Attached Items:

Description	FileName
PLAT	B18A PLAT.pdf

### 3. Geological Data

*Fresh Water At:*

Depth (in feet)	Rate	Unit of Measure
1873	damp	

*Salt Water At:*

Depth (in feet)	Rate	Unit of Measure

*Coal Seams:*

List of Attached Items:

Description	FileName
EXHIBIT A	B18A EXH A.pdf

*Gas and Oil Shows:*

List of Attached Items:

Description	FileName
GAS SHOW	B18A Gas Show.xlsx

### 4. Electric Logs (As required by 4VAC25-150-280.A)

List all logs run: CALIPER GAMMA DENSITY TEMP DEVIATION

Did logs disclose vertical locations of a coal seam? R

### 5. Survey Results (As required by 4VAC25-150-280.B.2)

List of Attached Items:

Description	FileName
DEVIATION	B18A DEV.pdf

## 6. Casing and Tubing Program

List of Attached Items:

Description	FileName
CASING	B18A Casing.xlsx

## 7. Remarks

Use this space to note any conditions or occurrences, such as lost circulation, fishing jobs, junk left in hole, sidetracks, squeeze jobs, etc., not shown above. Include data and depth of condition/occurrence.

## 8. Drillers Log

Compiled By: NOAH HORN

List of Attached Items:

Description	FileName
DRILL DATA	B18A DRILL DATA.pdf

## 9. Comments

## 10. Signature

Permittee: CNX Gas Company LLC

Date: 12/28/2009

Signed By: Jerry Boothe

Title: Manager

**INTERNAL USE ONLY**

Submit Date: 12/28/2009

Status: A

Date: 1/4/2010

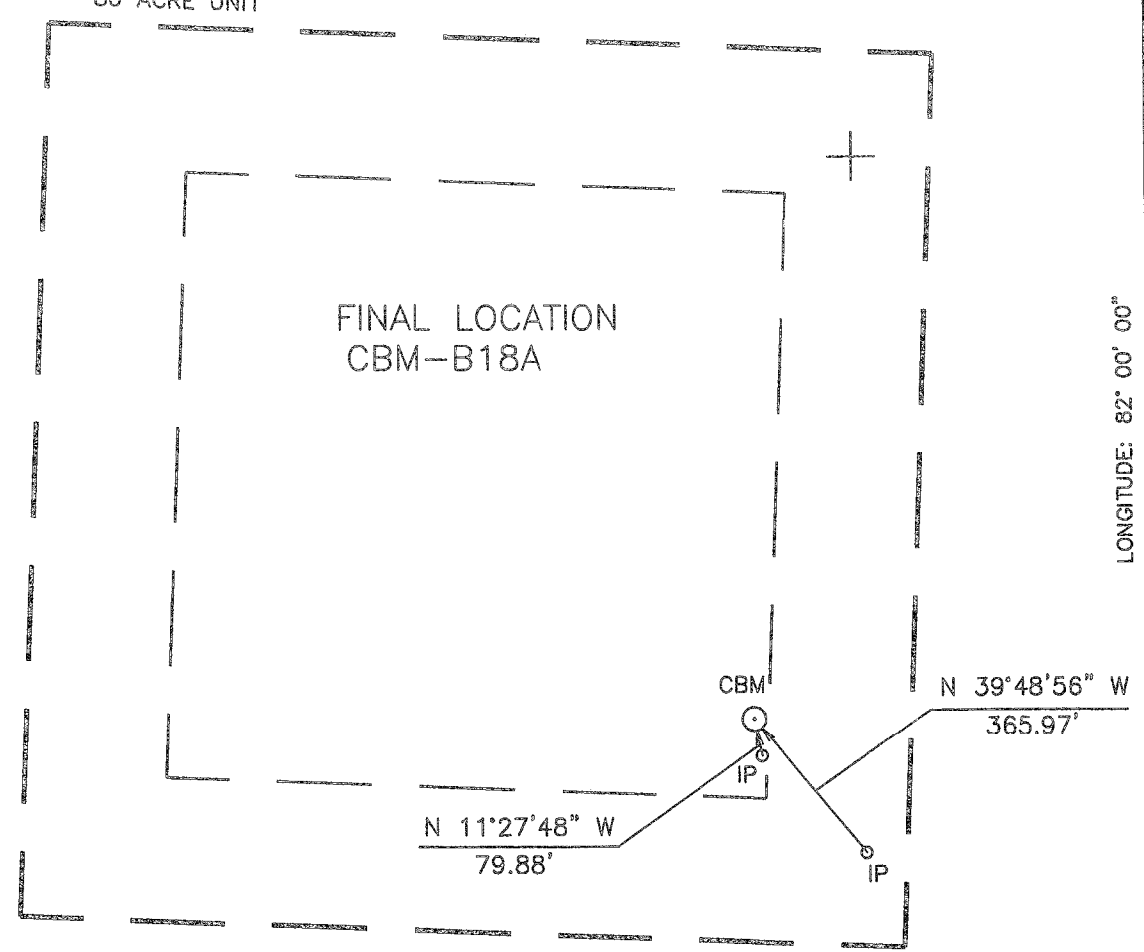
Final PDF Date: 1/4/2010

3,120'  
LATITUDE: 37° 17' 30"

3,900'  
LONGITUDE: 82° 00' 00"

80 ACRE UNIT

FINAL LOCATION  
CBM-B18A



NOTE:  
THIS WELL WAS DRILLED WITHIN 10 FT. OF PROPOSED LOCATION  
ACCORDING TO 4 VAC 25-150-290 AND 45.1-361.30

B18A FINAL PLAT  
1N20/120-71B/38

### WELL LOCATION PLAT

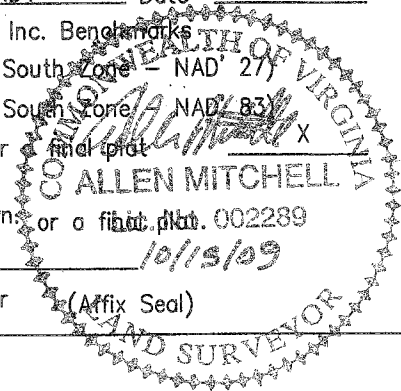
Company CNX Gas Company LLC Well Name or Number CBM-B18A  
 Tract No. BUCHANAN REALTY CO., LLC Scale: 1" = 400'  
 County BUCHANAN District GARDEN Quadrangle GRUNDY Date 10-08-09  
 Elevation 2287.57' Well Elevation Determined By Trig. Levels From CONSOL Inc. Benchmarks  
 Well Coordinates N 364,004.17 E 978,796.68 (Virginia State Plane - South Zone - NAD 27)  
 Well Coordinates N 3,644,884.13 E 10,461,783.33 (Virginia State Plane - South Zone - NAD 83)  
 This plat is a new plat \_\_\_\_\_ ; an updated plat \_\_\_\_\_ ; or a final plat \_\_\_\_\_

+ Denotes the location of a well on United States Topographic Maps, scale 1 to 24,000, latitude and longitude lines being represented by border lines as shown or a final plat \_\_\_\_\_

Form DGO-GO-7  
Rev. 9/91

Licensed Professional Engineer or Licensed Land Surveyor

(Affix Seal)



B18A  
EXHIBIT A

HOLE NO = 09 CRM B18A

STATE = VIRGINIA COUNTY = BUCHANAN

S ELEV = 2292

N-COOR = 364006 E-COOR = 978805

STRATA ELEV (TOP)	STRATA FROM	DEPTH TO	STRATA THICK	SEAM CODE	COMMENTS
2120.57	167.00	167.80	.80	COAL	
2119.77	167.80	200.10	32.30		
2087.47	200.10	200.90	.80	HG1	
2086.67	200.90	326.10	125.20		
1961.47	326.10	326.50	.40	COAL	
1961.07	326.50	328.20	1.70		
1959.37	328.20	328.50	.30	COAL	
1959.07	328.50	328.90	.40		
1958.67	328.90	329.50	.60	COAL	
1958.07	329.50	342.70	13.20		
1944.87	342.70	342.90	.20	COAL	
1944.67	342.90	347.90	5.00		
1939.67	347.90	348.90	1.00	SD1	
1938.67	348.90	363.90	15.00		
1923.67	363.90	364.70	.80	SD2	
1922.87	364.70	367.00	2.30		
1920.57	367.00	367.70	.70	COAL	
1919.87	367.70	403.80	36.10		
1883.77	403.80	404.10	.30	COAL	
1883.47	404.10	405.70	1.60		
1881.87	405.70	406.30	.60	SD3	
1881.27	406.30	478.20	71.90		
1809.37	478.20	478.40	.20	LB1	
1809.17	478.40	531.70	53.30		
1755.87	531.70	531.90	.20	LB2	
1755.67	531.90	676.00	144.10		
1611.57	676.00	678.20	2.20	KN2	WITHIN 755 FT OF OLD WORKS
1609.37	678.20	791.90	113.70		
1495.67	791.90	792.10	.20	AL2	
1495.47	792.10	793.00	.90		
1494.57	793.00	793.20	.20	COAL	
1494.37	793.20	868.60	75.40		
1418.97	868.60	868.90	.30	COAL	
1418.67	868.90	870.40	1.50		
1417.17	870.40	870.70	.30	COAL	
1416.87	870.70	872.70	2.00		
1414.87	872.70	872.90	.20	COAL	
1414.67	872.90	873.70	.80		
1413.87	873.70	874.90	1.20	COAL	
1412.67	874.90	882.90	8.00		
1404.67	882.90	884.50	1.60	RA2	
1403.07	884.50	1000.80	116.30		
1286.77	1000.80	1001.80	1.00	JB1	
1285.77	1001.80	1027.00	25.20		
1260.57	1027.00	1027.80	.80	JB3	
1259.77	1027.80	1062.00	34.20		
1225.57	1062.00	1063.90	1.90	T2	
1223.67	1063.90	1202.70	138.80		
1084.87	1202.70	1202.80	.10	*US1	
1084.77	1202.80	1237.60	34.80		

				B18A	
1049.97	1237.60	1237.70	.10	*COAL	
1049.87	1237.70	1335.60	97.90		
951.97	1335.60	1335.90	.30	*GC2	
951.67	1335.90	1336.40	.50		
951.17	1336.40	1336.60	.20	*COAL	
950.97	1336.60	1407.90	71.30		
879.67	1407.90	1408.70	.80	*SE2	
878.87	1408.70	1520.20	111.50		
767.37	1520.20	1520.40	.20	*UH1	
767.17	1520.40	1568.70	48.30		
718.87	1568.70	1569.10	.40	*UH2	
718.47	1569.10	1605.00	35.90		
682.57	1605.00	1606.10	1.10	*MH1	
681.47	1606.10	1711.60	105.50		
575.97	1711.60	1712.80	1.20	*P11	
574.77	1712.80	1715.80	3.00	*P10	
571.77	1715.80	1756.30	40.50		
531.27	1756.30	1757.70	1.40	*LH3	
529.87	1757.70	1776.00	18.30		
511.57	1776.00	1776.20	.20	*P91	
511.37	1776.20	1815.50	39.30		
472.07	1815.50	1816.90	1.40	*P92	
470.67	1816.90	1891.40	74.50		
396.17	1891.40	1893.10	1.70	*P81	
394.47	1893.10	2055.20	162.10		
232.37	2055.20	2056.00	.80	*COAL	
231.57	2056.00	2057.60	1.60		
229.97	2057.60	2058.10	.50	*P52	
229.47	2058.10	2084.30	26.20		
203.27	2084.30	2087.70	3.40	*P41	
199.87	2087.70	2165.90	78.20		
121.67	2165.90	2169.80	3.90	*P3	WITHIN 1961 FT
117.77	2169.80	2205.10	35.30		OF OLD WORKS
82.47	2205.10	2205.30	.20	*P21	
82.27	2205.30	2211.20	5.90		
76.37	2211.20	2211.30	.10	*P22	
76.27	2211.30	2442.00	230.70		

BOTTOM HOLE

COAL SEAMS TO BE STIMULATED WERE ADJUSTED DUE TO GAS WELL'S PROXIMITY TO GRAPEVINE BRANCH.

GAMMA-CALIPER LOG FROM 0 TO 221.00

GAMMA-DENSITY LOG FROM 221.00 TO TD.

NOTE: FOOTAGE NOT ADJUSTED FOR DEVIATION

Well: **B18A**


**Oil & Gas Show**

Formation	Top	Bottom	Thickness	IPF (MCFD/BOPD)	Pressure	Hours Tested
Lee/Norton	1605.0	1893.1	288.1			
Pocahontas	2084.3	2169.8	85.5			
Total IPF			0	NOT TAKEN		

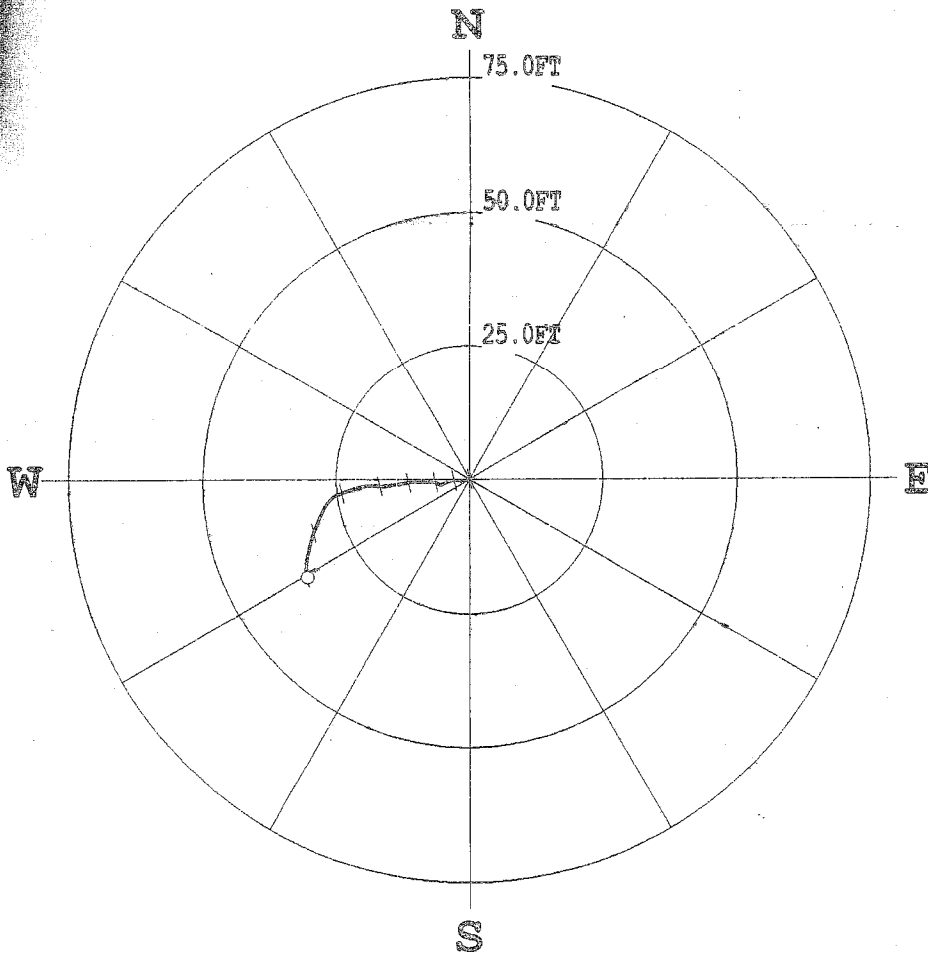


# PLAN VIEW COMPU-LOG DEVIATION

CLIENT: CONSOL ENERGY  
 FIELD OFFICE: BLUEFIELD  
 HOLE ID: CNK-09-B-18A  
 DATE OF LOG: 10/08/09  
 PROBE: 9136CH 1244

  
 MAG DECL: -6.9

SCALE: 25 FT/IN  
 TRUE DEPTH: 2415.39 FT  
 AZIMUTH: 239.2  
 DISTANCE: 35.3 FT  
 + = 300 FT INCR  
 O = BOTTOM OF HOLE



\*\*\*\*\* COMPU-LOG - VERTICAL DEVIATION \*\*\*\*\*

CLIENT : CONSOL ENERGY      HOLE ID. : CNK-09-B-18A  
 FIELD OFFICE : BLUEFIELD      DATE OF LOG : 10/08/09  
 DATA FROM :                      PROBE : 9136CH 1244  
 MAG. DECL. : -6.900              DEPTH UNITS : FEET  
 LOG: CNK-09-B-18A\_10-08-09\_07-08\_9136CH\_10\_0.00\_2416.00\_DEVI.log

TABLE DEPTH	TRUE DEPTH	NORTH DEV.	EAST DEV.	DISTANCE	AZIMUTH	SANG	SANGE
0.50	0.50	0.00	0.00	0.0	0.0	0.0	0.0
10.00	10.00	-0.01	-0.00	0.0	202.1	0.1	175.3
20.00	20.00	-0.02	-0.01	0.0	210.6	0.1	164.6
30.00	30.00	-0.03	-0.01	0.0	205.2	0.1	15.3
40.00	40.00	-0.01	0.00	0.0	179.5	0.2	41.1
50.00	50.00	-0.00	0.01	0.0	96.4	0.2	69.2
60.00	60.00	-0.00	0.05	0.0	95.0	0.2	116.2
70.00	70.00	-0.01	0.10	0.1	93.5	0.3	88.3
80.00	80.00	0.01	0.15	0.1	85.7	0.3	56.1
90.00	90.00	0.04	0.18	0.2	76.6	0.2	50.7
100.00	100.00	0.05	0.21	0.2	76.6	0.2	117.6

\*\*\*\*\* COMSU-LOG - VERTICAL DEVIATION \*\*\*\*\*

CLIENT : COMSOL ENERGY HOLE ID. : CNK-09-B-18A  
 FIELD OFFICE : BLUEFIELD DATE OF LOG : 08/08/09  
 DATA FROM : BROCK : 9136CH 1244  
 MAG. DECL. : -6.900 DEPTH UNITS : FEET  
 LOG: CNK-09-B-18A 10-08-09 07-08 9136CH 10 0.00 2416.00 DEVI LOG

CABLE DEPTH	TRUE DEPTH	NORTH DEV.	EAST DEV.	DISTANCE	AZIMUTH	SANG	SANGE
0.50	0.50	0.00	0.00	0.0	0.0	0.0	0.0
10.00	10.00	-0.01	-0.00	0.0	202.1	0.1	175.3
20.00	20.00	-0.02	-0.01	0.0	210.6	0.1	164.6
30.00	30.00	-0.03	-0.01	0.0	205.2	0.1	15.3
40.00	40.00	-0.04	0.00	0.0	179.5	0.2	41.1
50.00	50.00	-0.05	0.01	0.0	96.4	0.2	69.2
60.00	60.00	-0.09	0.05	0.0	95.0	0.2	116.2
70.00	70.00	-0.01	0.10	0.1	93.5	0.3	69.3
80.00	80.00	0.01	0.15	0.1	85.7	0.3	56.1
90.00	90.00	0.04	0.18	0.2	76.6	0.2	50.7
100.00	100.00	0.05	0.21	0.2	76.6	0.2	117.6
110.00	110.00	0.04	0.25	0.3	80.4	0.2	119.4
120.00	120.00	0.03	0.28	0.3	83.4	0.2	91.7
130.00	130.00	0.05	0.32	0.3	81.4	0.2	48.9
140.00	140.00	0.07	0.33	0.3	77.5	0.1	15.5
150.00	150.00	0.08	0.33	0.3	75.9	0.1	85.5
160.00	160.00	0.08	0.34	0.3	77.1	0.1	201.1
170.00	170.00	0.06	0.34	0.3	80.0	0.1	179.7
180.00	180.00	0.04	0.34	0.3	82.9	0.1	131.6
190.00	190.00	0.04	0.36	0.4	83.9	0.1	79.7
200.00	200.00	0.05	0.37	0.4	82.3	0.1	14.4
210.00	210.00	0.07	0.37	0.4	79.5	0.1	322.1
220.00	220.00	0.08	0.35	0.4	77.7	0.1	273.3
230.00	230.00	0.08	0.37	0.4	77.1	0.1	47.4
240.00	240.00	0.10	0.38	0.4	74.9	0.1	20.6
250.00	250.00	0.12	0.38	0.4	72.1	0.1	356.4
260.00	260.00	0.15	0.38	0.4	68.8	0.1	344.4
270.00	270.00	0.17	0.37	0.4	65.6	0.1	346.4
280.00	280.00	0.18	0.36	0.4	64.0	0.5	29.1
290.00	290.00	0.15	0.34	0.4	65.4	0.2	193.4
300.00	300.00	0.13	0.31	0.3	67.6	0.2	217.4
310.00	310.00	0.10	0.28	0.3	69.7	0.2	235.5
320.00	320.00	0.08	0.24	0.3	72.1	0.3	235.7
330.00	330.00	0.05	0.21	0.2	77.2	0.1	253.0
340.00	340.00	0.02	0.16	0.2	82.0	0.5	248.3
350.00	350.00	-0.00	0.11	0.1	92.2	0.5	256.8
360.00	360.00	-0.03	0.05	0.1	120.2	0.6	241.1
370.00	370.00	-0.05	-0.02	0.1	198.1	0.6	215.5
380.00	380.00	-0.08	-0.10	0.1	230.8	0.6	242.1
390.00	390.00	-0.11	-0.19	0.2	239.8	0.4	269.1
400.00	400.00	-0.14	-0.25	0.3	241.5	0.7	67.4
410.00	409.99	-0.11	-0.22	0.2	244.7	0.2	317.5
420.00	419.99	-0.13	-0.26	0.3	243.6	0.2	214.7
430.00	429.99	-0.16	-0.32	0.4	243.6	0.7	283.2
440.00	439.99	-0.21	-0.36	0.4	239.4	0.5	246.4
450.00	449.99	-0.19	-0.45	0.5	247.3	0.9	264.9
460.00	459.99	-0.23	-0.56	0.6	248.7	0.8	254.9
470.00	469.99	-0.25	-0.73	0.6	251.2	0.9	265.0
480.00	479.99	-0.26	-0.88	0.9	253.5	0.8	261.6
490.00	489.99	-0.26	-1.02	1.0	255.5	0.9	273.6
500.00	499.99	-0.27	-1.18	1.2	257.0	0.9	261.3
510.00	509.99	-0.28	-1.36	1.4	258.5	1.0	279.5
520.00	519.98	-0.28	-1.52	1.5	259.8	0.9	271.2
530.00	529.98	-0.26	-1.69	1.7	261.1	1.0	263.2
540.00	539.98	-0.27	-1.87	1.9	261.8	1.1	267.7
550.00	549.98	-0.25	-2.04	2.1	262.9	1.0	272.7
560.00	559.98	-0.25	-2.21	2.2	263.4	1.0	273.6
570.00	569.98	-0.24	-2.37	2.4	264.3	1.0	280.5
580.00	579.98	-0.23	-2.54	2.6	264.9	1.0	275.6
590.00	589.97	-0.22	-2.72	2.7	265.5	1.0	275.2
600.00	599.97	-0.20	-2.90	2.9	266.0	1.1	272.8
610.00	609.97	-0.19	-3.07	3.1	266.4	1.0	273.7
620.00	619.97	-0.19	-3.19	3.2	266.6	1.0	306.7
630.00	629.97	-0.20	-3.14	3.1	266.4	0.9	102.1
640.00	639.97	-0.21	-3.21	3.2	266.3	0.6	258.6
650.00	649.97	-0.21	-3.33	3.3	266.3	0.7	255.3
660.00	659.97	-0.26	-3.41	3.4	265.6	0.5	178.8
670.00	669.97	-0.27	-3.50	3.5	265.6	1.0	289.3
680.00	679.96	-0.37	-3.62	3.6	264.1	1.6	266.4
690.00	689.96	-0.40	-3.80	3.8	264.0	1.1	244.4
700.00	699.96	-0.46	-3.98	4.0	263.4	1.1	257.4
710.00	709.96	-0.50	-4.17	4.2	263.2	1.2	233.2
720.00	719.96	-0.58	-4.37	4.4	262.4	1.3	234.7
730.00	729.95	-0.65	-4.55	4.6	261.9	1.1	253.5
740.00	739.95	-0.74	-4.72	4.8	261.1	1.2	240.4
750.00	749.95	-0.80	-4.90	5.0	260.7	1.1	250.6
760.00	759.95	-0.91	-5.07	5.1	259.9	1.3	237.5
770.00	769.95	-0.98	-5.26	5.3	259.5	1.4	230.2
780.00	779.94	-1.02	-5.44	5.5	259.4	0.8	279.5
790.00	789.94	-0.99	-5.56	5.6	259.9	0.7	288.5
800.00	799.94	-0.95	-5.66	5.7	260.5	0.7	276.1
810.00	809.94	-0.91	-5.78	5.8	261.1	0.8	282.0

730.00	739.95	-0.74	-4.72	4.8	261.1	1.2	260.4
740.00	749.95	-0.80	-4.90	5.0	260.7	1.1	250.6
750.00	759.95	-0.91	-5.07	5.1	259.9	1.3	237.5
760.00	769.95	-0.88	-5.26	5.3	259.5	1.4	230.2
770.00	779.94	-1.02	-5.44	5.5	258.4	0.8	279.5
780.00	789.94	-0.99	-5.56	5.6	259.9	0.7	268.5
790.00	799.94	-0.95	-5.66	5.7	260.5	0.7	276.1
800.00	809.94	-0.91	-5.78	5.9	261.1	0.9	293.0
810.00	819.94	-0.87	-5.90	6.0	261.6	0.7	288.4
820.00	829.94	-0.81	-6.06	6.2	262.3	0.5	306.7
830.00	839.94	-0.76	-6.07	6.1	262.9	0.8	298.0
840.00	849.94	-0.69	-6.18	6.2	263.7	0.9	294.3
850.00	859.94	-0.61	-6.32	6.4	264.4	0.8	306.3
860.00	869.94	-0.58	-6.38	6.4	264.8	0.6	324.5
870.00	879.94	-0.57	-6.32	6.3	264.8	0.9	139.3
880.00	889.94	-0.57	-6.36	6.4	264.9	0.8	260.9
890.00	899.94	-0.54	-6.47	6.5	265.2	0.6	281.9
900.00	909.93	-0.53	-6.58	6.6	265.4	0.5	241.0
910.00	919.93	-0.53	-6.66	6.7	265.5	0.5	310.6
920.00	929.93	-0.52	-6.76	6.8	265.6	0.7	262.6
930.00	939.93	-0.48	-6.87	6.9	266.0	0.6	273.5
940.00	949.93	-0.47	-6.98	7.0	266.1	0.6	258.2
950.00	959.93	-0.52	-7.04	7.1	265.8	0.4	309.8
960.00	969.93	-0.48	-7.13	7.1	266.2	0.6	272.4
970.00	979.93	-0.47	-7.23	7.2	266.3	0.7	277.7
980.00	989.93	-0.45	-7.36	7.4	266.5	0.7	260.2
990.00	999.93	-0.43	-7.48	7.5	266.7	0.7	262.0
1000.00	1009.93	-0.44	-7.60	7.6	266.7	0.8	267.9
1010.00	1019.93	-0.47	-7.72	7.7	266.5	0.8	235.0
1020.00	1029.93	-0.51	-7.83	7.8	266.3	0.6	288.7
1030.00	1039.93	-0.47	-7.93	7.9	266.6	0.6	291.5
1040.00	1049.93	-0.45	-8.05	8.1	266.8	0.7	281.5
1050.00	1059.92	-0.46	-8.17	8.2	266.8	0.7	233.2
1060.00	1069.92	-0.54	-8.27	8.3	266.3	1.0	278.7
1070.00	1079.92	-0.52	-8.43	8.4	266.5	0.9	289.3
1080.00	1089.92	-0.48	-8.60	8.6	266.8	1.3	302.6
1090.00	1099.92	-0.41	-8.80	8.8	267.3	1.4	269.1
1100.00	1109.92	-0.48	-9.01	9.0	266.9	1.3	250.9
1110.00	1119.91	-0.46	-9.24	9.3	267.2	1.4	278.3
1120.00	1129.91	-0.49	-9.47	9.5	267.0	1.4	270.8
1130.00	1139.91	-0.47	-9.71	9.7	267.2	1.5	262.2
1140.00	1149.90	-0.44	-9.97	10.0	267.4	1.5	268.9
1150.00	1159.90	-0.47	-10.25	10.3	267.4	1.7	255.6
1160.00	1169.89	-0.50	-10.55	10.6	267.3	1.8	264.9
1170.00	1179.89	-0.55	-10.85	10.9	267.1	1.7	269.9
1180.00	1189.89	-0.54	-11.14	11.2	267.2	1.7	264.4
1190.00	1199.89	-0.56	-11.44	11.5	267.2	1.9	266.5
1200.00	1209.88	-0.69	-11.73	11.7	266.6	1.8	248.9
1210.00	1219.87	-0.73	-12.03	12.0	266.5	1.7	258.3
1220.00	1229.87	-0.77	-12.31	12.3	266.4	1.7	263.8
1230.00	1239.86	-0.80	-12.63	12.7	266.4	1.9	259.4
1240.00	1249.86	-0.88	-12.94	13.0	266.1	1.9	259.6
1250.00	1259.85	-0.95	-13.07	13.1	265.8	1.3	332.4
1260.00	1269.85	-0.90	-13.19	13.2	266.1	1.2	270.5
1270.00	1279.85	-0.91	-13.38	13.4	266.1	1.1	262.9
1280.00	1289.85	-0.94	-13.58	13.6	266.0	1.2	262.4
1290.00	1299.85	-0.97	-13.78	13.8	266.0	1.2	263.4
1300.00	1309.84	-1.00	-14.00	14.0	265.9	1.4	259.8
1310.00	1319.84	-1.04	-14.25	14.3	265.8	1.5	260.5
1320.00	1329.84	-1.08	-14.51	14.6	265.7	1.5	262.1
1330.00	1339.83	-1.12	-14.77	14.8	265.7	1.4	261.7
1340.00	1349.83	-1.14	-15.00	15.0	265.7	1.2	262.7
1350.00	1359.83	-1.15	-15.21	15.3	265.7	1.2	267.6
1360.00	1369.83	-1.17	-15.42	15.5	265.6	1.2	261.5
1370.00	1379.82	-1.22	-15.53	15.6	265.5	1.2	265.7
1380.00	1389.82	-1.20	-15.65	15.7	265.6	1.0	253.2
1390.00	1399.82	-1.27	-15.78	15.8	265.4	0.9	98.2
1400.00	1409.82	-1.23	-15.85	15.9	265.6	0.8	271.7
1410.00	1419.82	-1.25	-15.99	16.0	265.5	0.9	257.1
1420.00	1429.82	-1.27	-16.13	16.2	265.5	0.7	277.0
1430.00	1439.82	-1.27	-16.24	16.3	265.5	0.7	270.4
1440.00	1449.82	-1.28	-16.36	16.4	265.5	0.7	262.7
1450.00	1459.82	-1.28	-16.48	16.5	265.6	0.7	272.4
1460.00	1469.81	-1.29	-16.60	16.7	265.6	0.8	265.4
1470.00	1479.81	-1.31	-16.65	16.7	265.5	0.9	262.4
1480.00	1489.81	-1.32	-16.68	16.7	265.5	0.5	40.7
1490.00	1499.81	-1.29	-16.73	16.8	265.6	0.7	264.4
1500.00	1509.81	-1.29	-16.83	16.9	265.6	0.7	299.7
1510.00	1519.81	-1.27	-16.95	17.0	265.7	0.7	268.9
1520.00	1529.81	-1.25	-17.07	17.1	265.8	0.7	291.8
1530.00	1539.81	-1.21	-17.21	17.3	266.0	0.9	284.3
1540.00	1549.81	-1.19	-17.37	17.4	266.1	0.8	271.8
1550.00	1559.81	-1.16	-17.50	17.5	266.2	0.7	286.1
1560.00	1569.81	-1.15	-17.64	17.7	266.3	0.9	275.1
1570.00	1579.80	-1.14	-17.78	17.8	266.3	0.8	273.0
1580.00	1589.80	-1.13	-17.95	18.0	266.4	1.1	267.4
1590.00	1599.80	-1.14	-18.13	18.2	266.4	1.0	270.9
1600.00	1609.80	-1.14	-18.30	18.3	266.4	1.0	271.5
1610.00	1619.80	-1.15	-18.49	18.5	266.4	1.3	267.9
1620.00	1629.80	-1.16	-18.70	18.7	266.4	1.2	267.2
1630.00	1639.79	-1.18	-18.92	19.0	266.4	1.2	263.8
1640.00	1649.79	-1.20	-19.15	19.2	266.4	1.4	264.1
1650.00	1659.79	-1.23	-19.39	19.4	266.4	1.5	258.7
1660.00	1669.78	-1.27	-19.65	19.7	266.3	1.5	260.5
1670.00	1679.78	-1.32	-19.93	20.0	266.2	1.7	261.0
1680.00	1689.78	-1.38	-20.22	20.3	266.1	1.9	258.2

1540.00	1539.81	-1.21	-17.21	17.3	266.0	0.9	264.3
1550.00	1549.81	-1.19	-17.37	17.4	266.1	0.9	271.8
1560.00	1559.81	-1.16	-17.50	17.5	266.2	0.7	266.1
1570.00	1569.81	-1.15	-17.64	17.7	266.3	0.9	275.1
1580.00	1579.80	-1.14	-17.76	17.9	266.3	0.8	273.0
1590.00	1589.80	-1.13	-17.95	18.0	266.4	1.1	267.4
1600.00	1599.80	-1.14	-18.13	18.2	266.4	1.0	270.9
1610.00	1609.80	-1.14	-18.30	18.3	266.4	1.0	271.5
1620.00	1619.80	-1.15	-18.49	18.5	266.4	1.3	267.9
1630.00	1629.80	-1.16	-18.70	18.7	266.4	1.2	267.2
1640.00	1639.79	-1.18	-18.92	19.0	266.4	1.2	263.8
1650.00	1649.79	-1.20	-19.15	19.2	266.4	1.4	264.1
1660.00	1659.79	-1.23	-19.39	19.4	266.4	1.5	258.7
1670.00	1669.78	-1.27	-19.65	19.7	266.3	1.5	260.5
1680.00	1679.78	-1.32	-19.93	20.0	266.2	1.7	261.0
1690.00	1689.78	-1.36	-20.22	20.3	266.1	1.9	258.2
1700.00	1699.77	-1.45	-20.53	20.6	265.9	2.0	258.1
1710.00	1709.76	-1.54	-20.88	20.9	265.8	2.1	255.5
1720.00	1719.76	-1.65	-21.23	21.3	265.6	2.1	249.4
1730.00	1729.75	-1.76	-21.57	21.6	265.3	2.0	251.5
1740.00	1739.75	-1.86	-21.91	22.0	265.1	2.0	251.5
1750.00	1749.74	-1.99	-22.23	22.3	264.9	2.0	245.0
1760.00	1759.73	-2.10	-22.56	22.7	264.7	2.0	254.8
1770.00	1769.72	-2.20	-22.90	23.0	264.5	1.9	256.2
1780.00	1779.72	-2.31	-23.25	23.4	264.3	2.1	243.3
1790.00	1789.71	-2.44	-23.60	23.7	264.1	2.1	246.3
1800.00	1799.71	-2.57	-23.92	24.1	263.9	1.9	251.8
1810.00	1809.70	-2.70	-24.24	24.4	263.6	2.1	247.1
1820.00	1819.70	-2.82	-24.55	24.7	263.5	1.8	245.6
1830.00	1829.69	-2.94	-24.83	25.0	263.3	1.7	243.7
1840.00	1839.69	-3.06	-25.08	25.3	263.0	1.5	243.2
1850.00	1849.68	-3.21	-25.35	25.5	262.8	1.9	236.8
1860.00	1859.68	-3.45	-25.63	25.9	262.3	2.2	226.5
1870.00	1869.67	-3.73	-25.91	26.2	261.8	2.4	222.1
1880.00	1879.66	-3.99	-26.20	26.5	261.3	2.1	219.2
1890.00	1889.65	-4.27	-26.42	26.8	260.8	2.0	216.8
1900.00	1899.65	-4.54	-26.65	27.0	260.3	2.0	220.5
1910.00	1909.64	-4.83	-26.84	27.3	259.8	2.0	212.9
1920.00	1919.63	-5.13	-27.03	27.5	259.3	2.1	210.2
1930.00	1929.63	-5.45	-27.21	27.7	258.7	2.0	209.5
1940.00	1939.62	-5.74	-27.38	28.0	258.2	2.0	208.7
1950.00	1949.62	-6.05	-27.54	28.2	257.6	2.0	205.8
1960.00	1959.61	-6.36	-27.68	28.4	257.1	1.9	204.6
1970.00	1969.60	-6.66	-27.83	28.6	256.5	1.9	206.8
1980.00	1979.60	-6.98	-27.98	28.8	256.0	2.1	201.4
1990.00	1989.59	-7.30	-28.11	29.0	255.4	2.0	198.2
2000.00	1999.59	-7.62	-28.24	29.3	254.9	1.9	206.5
2010.00	2009.58	-7.93	-28.38	29.5	254.4	2.0	202.7
2020.00	2019.57	-8.24	-28.51	29.7	253.9	1.9	203.4
2030.00	2029.57	-8.54	-28.64	29.9	253.4	1.9	203.0
2040.00	2039.56	-8.80	-28.68	30.0	252.9	1.8	132.1
2050.00	2049.56	-8.91	-28.79	30.1	252.6	1.6	213.2
2060.00	2059.56	-9.14	-28.87	30.3	252.4	1.7	205.7
2070.00	2069.55	-9.35	-28.99	30.5	252.1	1.8	205.6
2080.00	2079.55	-9.63	-29.09	30.6	251.7	1.7	170.7
2090.00	2089.54	-9.65	-29.13	30.7	251.7	1.2	32.0
2100.00	2099.54	-9.84	-29.20	30.8	251.4	1.7	199.5
2110.00	2109.53	-10.12	-29.30	31.0	250.9	1.9	197.3
2120.00	2119.53	-10.41	-29.39	31.2	250.5	1.7	199.3
2130.00	2129.53	-10.68	-29.48	31.4	250.1	1.6	198.4
2140.00	2139.52	-10.96	-29.56	31.5	249.7	1.7	194.5
2150.00	2149.52	-11.24	-29.64	31.7	249.2	1.6	196.8
2160.00	2159.51	-11.53	-29.72	31.9	248.8	1.8	192.3
2170.00	2169.51	-11.82	-29.80	32.1	248.4	1.7	197.4
2180.00	2179.50	-12.12	-29.89	32.3	247.9	1.9	196.9
2190.00	2189.50	-12.44	-29.96	32.4	247.4	1.8	193.7
2200.00	2199.49	-12.75	-30.03	32.6	247.0	1.8	193.6
2210.00	2209.49	-13.05	-30.10	32.8	246.6	1.7	193.9
2220.00	2219.48	-13.35	-30.17	33.0	246.1	1.9	190.4
2230.00	2229.48	-13.69	-30.24	33.2	245.7	1.9	191.6
2240.00	2239.47	-13.99	-30.31	33.4	245.2	1.6	191.6
2250.00	2249.47	-14.31	-30.37	33.6	244.8	1.8	189.8
2260.00	2259.46	-14.62	-30.43	33.8	244.3	1.8	193.7
2270.00	2269.46	-14.92	-30.51	34.0	243.9	1.7	195.0
2280.00	2279.45	-15.22	-30.57	34.1	243.5	1.8	188.8
2290.00	2289.45	-15.46	-30.58	34.3	243.2	1.8	199.3
2300.00	2299.44	-15.71	-30.64	34.4	242.8	2.1	193.9
2310.00	2309.44	-15.80	-30.61	34.4	242.7	2.1	179.4
2320.00	2319.43	-15.77	-30.59	34.4	242.7	0.8	118.5
2330.00	2329.43	-16.00	-30.63	34.6	242.4	1.9	180.9
2340.00	2339.42	-16.34	-30.64	34.7	241.9	2.0	187.3
2350.00	2349.42	-16.68	-30.64	34.9	241.4	1.9	186.1
2360.00	2359.41	-16.98	-30.67	35.1	241.0	1.6	180.4
2370.00	2369.41	-17.27	-30.67	35.2	240.6	1.8	180.4
2380.00	2379.40	-17.57	-30.70	35.4	240.2	1.5	182.6
2390.00	2389.40	-17.83	-30.74	35.5	239.9	1.5	184.0
2400.00	2399.39	-17.94	-30.52	35.4	239.6	1.7	177.8
2410.00	2409.39	-18.16	-30.46	35.5	239.2	1.7	63.5
2416.00	2415.39	-18.08	-30.29	35.3	239.2	1.7	63.1



COMPANY: CNX GAS CO LLC  
 HOLE: B-18-A  
 RIG: 141  
 LOCATION: LOWER BIG BRANCH RD, VA

DATE STARTED: 9/30/2009  
 DATE COMPLETED: 10/8/2009

ELECTRIC LOGGED: YES  
 GROUTED: YES

DEPTH FROM	THICKNESS TO	FT	STRATA DESCRIPTION, VOIDS ETC
0	34	34	34 OVERBURDEN
34	54.4	54.4	20.4 SAND / SHALE / COAL
54.4	86	86	31.6 SAND / SHALE / COAL
86	117.6	117.6	31.6 SAND / SHALE
117.6	149.2	149.2	31.6 SAND
149.2	180.8	180.8	31.6 SAND / SHALE / COAL
180.8	210.8	210.8	30 SAND / SHALE
210.8	230.8	230.8	20 SAND
230.8	240.6	240.6	9.8 SAND
240.6	270.6	270.6	30 SAND / SHALE / COAL
270.6	280.6	280.6	10 SAND
280.6	282.5	282.5	1.9 SAND
282.5	312.5	312.5	30 SAND / SHALE
312.5	342.5	342.5	30 SAND / SHALE
342.5	372.5	372.5	30 SAND / SHALE / COAL
372.5	402.5	402.5	30 SAND / SHALE / COAL
402.5	432.5	432.5	30 SAND / SHALE
432.5	462.5	462.5	30 SAND / SHALE
462.5	492.5	492.5	30 SAND / SHALE / COAL
492.5	522.5	522.5	30 SAND / SHALE
522.5	552.5	552.5	30 SAND / SHALE / COAL
552.5	582.5	582.5	30 SAND / SHALE
582.5	612.5	612.5	30 SAND / SHALE
612.5	642.5	642.5	30 SAND / SHALE
642.5	672.5	672.5	30 SAND / SHALE
672.5	702.5	702.5	30 SAND / SHALE / COAL
702.5	732.5	732.5	30 SAND / SHALE / COAL
732.5	762.5	762.5	30 SAND / SHALE
762.5	792.5	792.5	30 SAND / SHALE
792.5	822.5	822.5	30 SAND / SHALE / COAL
822.5	852.5	852.5	30 SAND
852.5	882.5	882.5	30 SAND / SHALE
882.5	912.5	912.5	30 SAND / SHALE / COAL
912.5	942.5	942.5	30 SAND / SHALE

942.5	972.5	30 SAND / SHALE
972.5	1002.5	30 SAND / SHALE
1002.5	1032.5	30 SAND / SHALE / COAL
1032.5	1062.5	30 SANDY SHALE / SAND
1062.5	1092.5	30 SAND / COAL / SAND
1092.5	1122.5	30 SAND
1122.5	1152.5	30 SAND / SANDY SHALE
1152.5	1182.5	30 SANDY SHALE
1182.5	1212.5	30 SANDY SHALE
1212.5	1242.5	30 SANDY SHALE / COAL / SANDY SHALE
1242.5	1272.5	30 SANDY SHALE
1272.5	1302.5	30 SANDY SHALE / COAL / SANDY SHALE
1302.5	1332.5	30 SANDY SHALE / COAL / SANDY SHALE
1332.5	1362.5	30 SANDY SHALE / COAL / SANDY SHALE
1362.5	1392.5	30 SANDY SHALE
1392.5	1422.5	30 SANDY SHALE / COAL / SANDY SHALE
1422.5	1452.5	30 SANDY SHALE
1452.5	1482.5	30 SANDY SHALE
1482.5	1512.5	30 SANDY SHALE / COAL / SANDY SHALE
1512.5	1542.5	30 SANDY SHALE / COAL / SANDY SHALE
1542.5	1572.5	30 SANDY SHALE / COAL / SANDY SHALE
1572.5	1602.5	30 SANDY SHALE
1602.5	1632.5	30 SANDY SHALE / COAL / SANDY SHALE
1632.5	1662.5	30 SANDY SHALE / COAL / SANDY SHALE
1662.5	1692.5	30 SANDY SHALE
1692.5	1722.5	30 SANDY SHALE / COAL / SANDY SHALE
1722.5	1752.5	30 SANDY SHALE / COAL / SANDY SHALE
1752.5	1782.5	30 SANDY SHALE / COAL / SANDY SHALE
1782.5	1812.5	30 SANDY SHALE / COAL / SANDY SHALE
1812.5	1842.5	30 SANDY SHALE
1842.5	1872.5	30 SANDY SHALE
1872.5	1902.5	30 SANDY SHALE / COAL / SAND
1902.5	1932.5	30 SAND
1932.5	1962.5	30 SAND
1962.5	1992.5	30 SAND
1992.5	2022.5	30 SAND
2022.5	2052.5	30 SAND / SHALE / COAL
2052.5	2082.5	30 SAND / SHALE / COAL
2082.5	2112.5	30 SAND / SHALE / COAL
2112.5	2142.5	30 SAND
2142.5	2159.5	17 SAND
2159.5	2162.5	3 COAL P3 SEAM
2162.5	2172.5	10 SAND / SHALE
2172.5	2202.5	30 SAND / SHALE / COAL
2202.5	2232.5	30 SAND / SHALE
2232.5	2262.5	30 SAND / SHALE
2262.5	2281.5	19 SAND

2281.5	2292.5	11 SAND
2292.5	2322.5	30 SAND
2322.5	2352.5	30 SAND
2352.5	2382.5	30 SAND
2382.5	2412.5	30 SAND
2412.5	2442.5	30 SAND / RED SHALE 7'

2442.5' TOTAL DEPTH  
34' OF 13 3/8" CASING  
207.7' OF 9 5/8" CASING  
2183' OF 4 1/2" CASING