



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>2331</u>
<b>Company:</b>	<u>CNX Gas Company LLC</u>
<b>File Number:</b>	<u>RU-0594</u>
<b>Operations Name:</b>	<u>CBM BF112A 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>11/3/2009</u>	Drilling Contractor:	<u>Noah Horn</u>
Date drilling completed:	<u>11/6/2009</u>	Rig Type:	<input checked="" type="checkbox"/> Rotary <input type="checkbox"/> Cable
Driller's Total Depth (feet):	<u>2353.00</u>		
Log Total Depth (feet):	<u>2315.38</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>10469725.5300</u>	Final Plat State Plane X:	<u>10469724.6600</u>
Permitted State Plane Y:	<u>3570902.2000</u>	Final Plat State Plane Y:	<u>3570902.4800</u>

Plat Previously Submitted Or...

List of Attached Items:

Description	FileName
PLAT	BF112A PLAT.pdf

### 3. Geological Data

*Fresh Water At:*

Depth (in feet)	Rate	Unit of Measure
24	1	GPM

*Salt Water At:*

Depth (in feet)	Rate	Unit of Measure
-----------------	------	-----------------

*Coal Seams:*

List of Attached Items:

Description	FileName
EXHIBIT A	BF112A EXH A.pdf

*Gas and Oil Shows:*

List of Attached Items:

Description	FileName
GAS SHOW	BF112A 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	BF112A DEV.pdf

## 6. Casing and Tubing Program

List of Attached Items:

Description	FileName
CASING	BF112A 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	BF112A DRILL DATA.pdf

## 9. Comments

## 10. Signature

Permittee: CNX Gas Company LLC

Date: 1/4/2010

Signed By: Jerry Boothe

Title: Manager

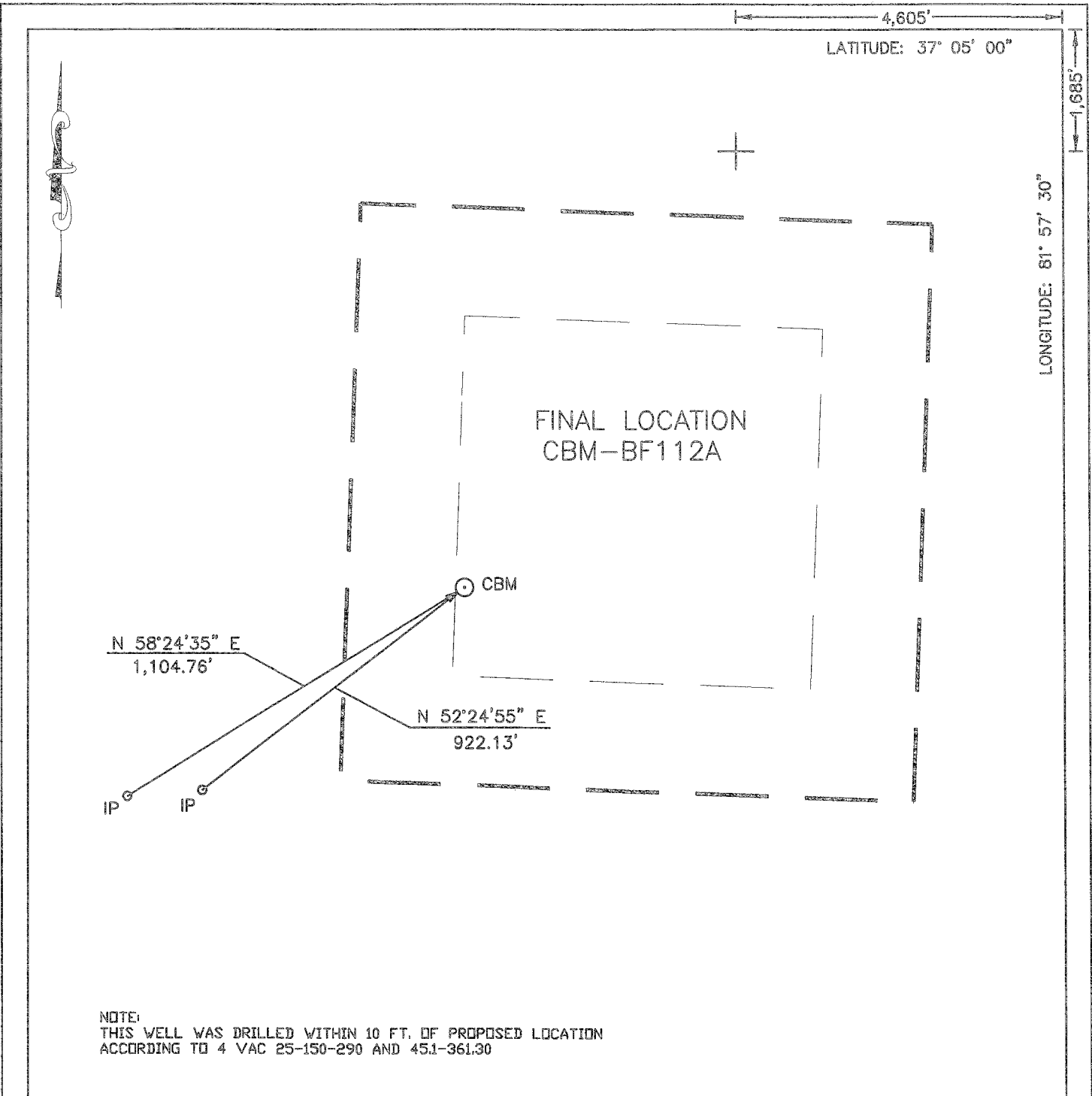
**INTERNAL USE ONLY**

Submit Date: 1/4/2010

Status: A

Date: 2/26/2010

Final PDF Date: 2/26/2010



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

### WELL LOCATION PLAT

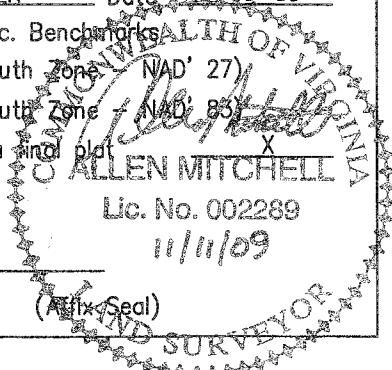
BF112AFNL  
 PGP39/163-742/163

Company CNX Gas Company LLC Well Name or Number CBM-BF112A  
 Tract No. GENT ROYALTY PARTNERS LLC ET AL Scale: 1" = 400'  
 County RUSSELL District NEW GARDEN Quadrangle HONAKER Date 11-09-09  
 Elevation 2307.92' Well Elevation Determined By Trig. Levels From CONSOL Inc. Benchmarks  
 Well Coordinates N 290,024.28 E 986,737.46 (Virginia State Plane - South Zone - NAD' 27)  
 Well Coordinates N 3,570,902.48 E 10,469,724.66 (Virginia State Plane - South Zone - NAD: 83)  
 This plat is a new plat \_\_\_\_\_ ; an updated plat \_\_\_\_\_ ; or a final plat X

+ 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.

Form DGO-GO-7  
 Rev. 9/91

Licensed Professional Engineer or Licensed Land Surveyor



(Affix Seal)

BF112A  
EXHIBIT A

HOLE NO = 09 CBM BF112A

STATE = VIRGINIA      COUNTY = BUCHANAN

S ELEV = 2308

N-COOR = 290024    E-COOR = 986737

STRATA ELEV (TOP)	STRATA FROM	DEPTH TO	STRATA THICK	SEAM CODE	COMMENTS
2176.67	131.20	131.90	.70	AL1	
2175.97	131.90	195.80	63.90		
2112.07	195.80	197.10	1.30	AL2	
2110.77	197.10	302.60	105.50		
2005.27	302.60	304.90	2.30	RA2	
2002.97	304.90	465.70	160.80		
1842.17	465.70	467.80	2.10	JB1	
1840.07	467.80	497.00	29.20		
1810.87	497.00	498.40	1.40	JB3	
1809.47	498.40	500.10	1.70		
1807.77	500.10	500.60	.50	COAL	
1807.27	500.60	559.00	58.40		
1748.87	559.00	559.40	.40	T1	
1748.47	559.40	761.20	201.80		
1546.67	761.20	761.40	.20	*US1	
1546.47	761.40	762.00	.60		
1545.87	762.00	762.20	.20	*COAL	
1545.67	762.20	788.70	26.50		
1519.17	788.70	788.80	.10	*LC3	
1519.07	788.80	791.90	3.10		
1515.97	791.90	794.70	2.80	*LC4	
1513.17	794.70	934.90	140.20		
1372.97	934.90	935.50	.60	*GC1	
1372.37	935.50	936.10	.60		
1371.77	936.10	936.90	.80	*GC2	
1370.97	936.90	1045.40	108.50		
1262.47	1045.40	1045.90	.50	*SE1	
1261.97	1045.90	1066.10	20.20		
1241.77	1066.10	1067.90	1.80	*SE2	
1239.97	1067.90	1133.80	65.90		
1174.07	1133.80	1134.10	.30	*LS1	
1173.77	1134.10	1135.80	1.70	*LS2	
1172.07	1135.80	1198.00	62.20		
1109.87	1198.00	1199.90	1.90	*LS3	
1107.97	1199.90	1248.60	48.70		
1059.27	1248.60	1249.10	.50	*UH1	
1058.77	1249.10	1263.00	13.90		
1044.87	1263.00	1263.60	.60	*UH2	
1044.27	1263.60	1264.40	.80		
1043.47	1264.40	1267.10	2.70	*UH3	
1040.77	1267.10	1307.50	40.40		
1000.37	1307.50	1308.20	.70	*MH1	
999.67	1308.20	1391.10	82.90		
916.77	1391.10	1391.20	.10	*MH2	
916.67	1391.20	1429.20	38.00		
878.67	1429.20	1432.10	2.90	*P11	
875.77	1432.10	1450.00	17.90		
857.87	1450.00	1450.70	.70	*P10	
857.17	1450.70	1505.60	54.90		
802.27	1505.60	1507.30	1.70	*LH1	

				BF112A
800.57	1507.30	1509.10	1.80	
798.77	1509.10	1511.30	2.20	*LH2
796.57	1511.30	1542.40	31.10	
765.47	1542.40	1542.60	.20	*COAL
765.27	1542.60	1543.00	.40	
764.87	1543.00	1544.60	1.60	*P91
763.27	1544.60	1592.90	48.30	
714.97	1592.90	1593.80	.90	*P81
714.07	1593.80	1594.10	.30	
713.77	1594.10	1594.40	.30	*COAL
713.47	1594.40	1595.80	1.40	
712.07	1595.80	1596.10	.30	*P82
711.77	1596.10	1605.00	8.90	
702.87	1605.00	1605.60	.60	*P71
702.27	1605.60	1642.60	37.00	
665.27	1642.60	1643.30	.70	*COAL
664.57	1643.30	1644.30	1.00	
663.57	1644.30	1644.60	.30	*COAL
663.27	1644.60	1736.90	92.30	
570.97	1736.90	1737.10	.20	*COAL
570.77	1737.10	1737.50	.40	
570.37	1737.50	1737.90	.40	*P72
569.97	1737.90	1738.10	.20	
569.77	1738.10	1738.90	.80	*P72
568.97	1738.90	1763.50	24.60	
544.37	1763.50	1764.00	.50	*COAL
543.87	1764.00	1864.00	100.00	
443.87	1864.00	1864.50	.50	*COAL
443.37	1864.50	1927.80	63.50	
380.07	1927.80	1927.90	.10	*P51
379.97	1927.90	1955.20	27.30	
352.67	1955.20	1956.00	.80	*P52
351.87	1956.00	2090.00	134.00	
217.87	2090.00	2091.40	1.40	*P31
216.47	2091.40	2092.00	.60	*P32
215.87	2092.00	2135.90	43.90	
171.97	2135.90	2136.80	.90	*P34
171.07	2136.80	2353.00	216.20	

BOTTOM HOLE

COAL SEAMS TO BE STIMULATED WERE ADJUSTED DUE TO TOPOGRAPHY.  
 GAMMA-CALIPER LOG FROM 0 TO 221.00  
 GAMMA-DENSITY LOG FROM 221.00 TO TD.  
 NOTE: FOOTAGE NOT ADJUSTED FOR DEVIATION

Well: **BF112A**

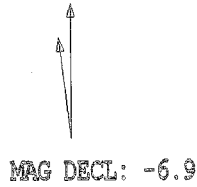
**Oil & Gas Show**

Formation	Top	Bottom	Thickness	IPF (MCFD/BOPD)	Pressure	Hours Tested
Lee/Norton	791.9	1544.6	752.7			
Pocahontas	2090.0	2091.4	1.4			
Total IPF				NOT TAKEN		

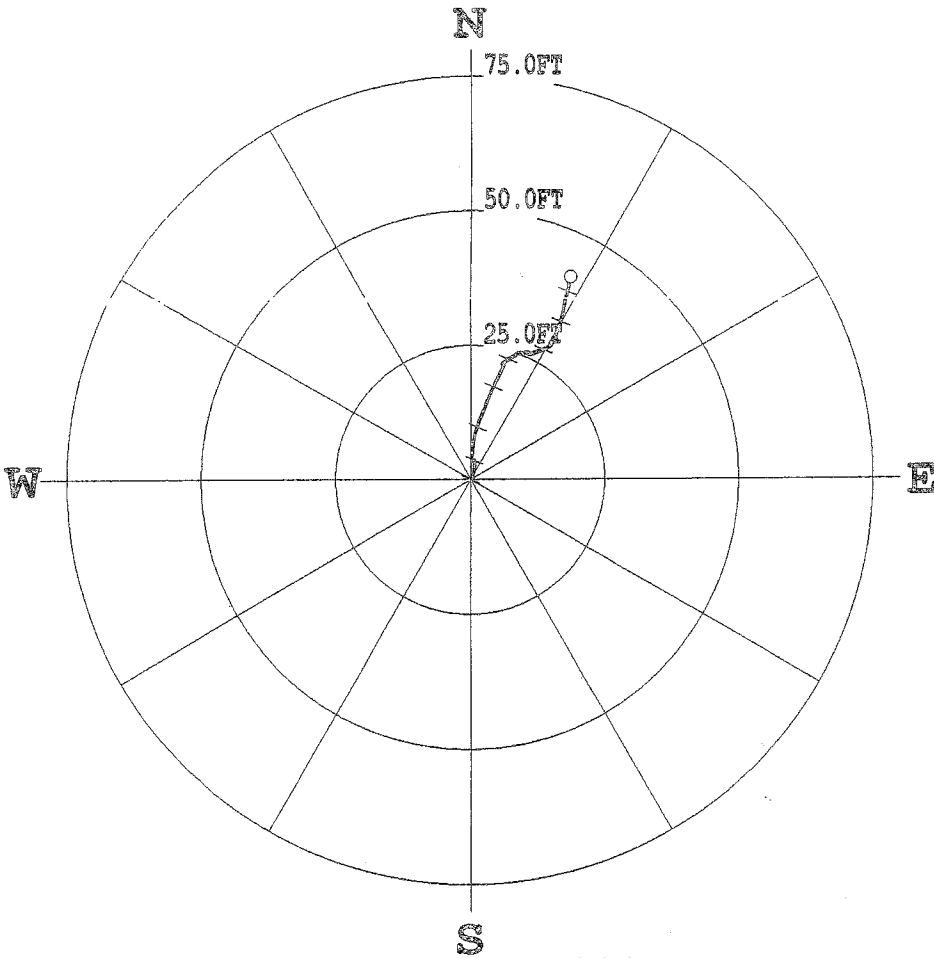


# PLAN VIEW COMPU-LOG DEVIATION

CLIENT: CONSOL ENERGY  
 FIELD OFFICE: BLUEFIELD  
 HOLE ID: CNX-09-BF-112A  
 DATE OF LOG: 11/06/09  
 DATA FROM: 9136CH 1244



SCALE: 25 FT/IN  
 TRUE DEPTH: 2313.73 FT  
 AZIMUTH: 26.4  
 DISTANCE: 42.0 FT  
 + = 300 FT INCR  
 O = BOTTOM OF HOLE



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

CLIENT : CONSOL ENERGY                      HOLE ID. : CNX-09-BF-112  
 FIELD OFFICE : BLUEFIELD                      DATE OF LOG : 11/06/09  
 DATA FROM :                                      PROBE : 9136CH , 1244  
 MAG. DECL. : -6.900                              DEPTH UNITS : FEET  
 LOG: CNX-09-BF-112A\_11-06-09\_16-03\_9136CH\_10\_0.00\_2313.40\_DEVI.Log

DEPTH	TRUE DEPTH	NORTH DEV.	EAST DEV.	DISTANCE	AZIMUTH	SANG	SANGB
0.50	0.50	0.00	0.00	0.0	0.0	0.0	0.0
10.00	10.00	0.00	-0.00	0.0	355.2	0.0	269.2
20.00	20.00	0.00	-0.00	0.0	308.3	0.0	14.0
30.00	30.00	0.01	-0.01	0.0	307.2	0.1	31.4
40.00	40.00	0.04	-0.00	0.0	358.6	0.2	29.2
50.00	50.00	0.08	0.03	0.1	17.0	0.3	32.4
60.00	60.00	0.11	0.05	0.1	22.4	0.2	31.4
70.00	70.00	0.16	0.08	0.2	27.6	0.4	37.4
80.00	80.00	0.20	0.12	0.2	31.1	0.3	41.7
90.00	90.00	0.27	0.17	0.3	32.6	0.5	34.5

FIELD OFFICE : BLUEFIELD  
 DATA FROM :  
 MAG. DECL. : -6.900  
 LOG: CNK-09-BF-112A\_11-06-09\_16-03\_9136CH\_10\_0.00\_2314.40\_DEVI.log

DATE OF LOG : 11/06/09  
 PROBE : 9136CH , 1244  
 DEPTH UNITS : FEET

ABLE 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	0.00	-0.00	0.0	355.2	0.0	269.2
20.00	20.00	0.00	-0.00	0.0	308.3	0.0	14.0
30.00	30.00	0.01	-0.01	0.0	307.2	0.1	31.4
40.00	40.00	0.04	-0.00	0.0	358.6	0.2	29.2
50.00	50.00	0.08	0.03	0.1	17.0	0.3	32.4
60.00	60.00	0.11	0.05	0.1	22.4	0.2	31.4
70.00	70.00	0.16	0.08	0.2	27.6	0.4	37.4
80.00	80.00	0.20	0.12	0.2	31.1	0.3	41.7
90.00	90.00	0.27	0.17	0.3	32.6	0.5	34.5
100.00	100.00	0.35	0.22	0.4	32.1	0.7	31.4
110.00	110.00	0.46	0.28	0.5	31.2	0.7	27.8
120.00	120.00	0.58	0.33	0.7	29.8	0.9	21.9
130.00	130.00	0.70	0.38	0.8	28.1	0.8	15.4
140.00	139.99	0.83	0.43	0.9	27.0	0.8	24.7
150.00	149.99	0.99	0.48	1.1	26.0	0.9	17.5
160.00	159.99	1.14	0.53	1.3	25.1	0.7	20.5
170.00	169.99	1.28	0.58	1.4	24.5	0.9	17.6
180.00	179.99	1.45	0.63	1.6	23.6	0.9	16.0
190.00	189.99	1.61	0.68	1.8	22.7	1.0	14.6
200.00	199.99	1.77	0.71	1.9	21.7	0.7	8.7
210.00	209.99	1.94	0.73	2.1	20.7	1.3	10.4
220.00	219.98	2.12	0.76	2.2	19.6	1.0	6.7
230.00	229.98	2.20	0.71	2.3	17.8	1.0	282.3
240.00	239.98	2.32	0.70	2.4	16.9	1.0	55.7
250.00	249.98	2.47	0.72	2.6	16.2	1.2	6.9
260.00	259.98	2.67	0.70	2.8	14.7	1.2	343.5
270.00	269.98	2.86	0.75	3.0	14.7	1.2	344.5
280.00	279.97	3.06	0.68	3.1	12.4	1.3	342.2
290.00	289.97	3.27	0.70	3.3	12.1	1.3	2.1
300.00	299.97	3.50	0.67	3.6	10.9	1.5	281.9
310.00	309.96	3.31	0.60	3.4	10.3	1.1	313.6
320.00	319.96	3.45	0.48	3.5	7.9	1.4	298.0
330.00	329.96	3.61	0.38	3.6	6.0	1.2	274.0
340.00	339.96	3.72	0.28	3.7	4.4	1.2	359.9
350.00	349.95	3.95	0.25	4.0	3.6	1.5	9.6
360.00	359.95	4.16	0.25	4.2	3.4	1.3	360.0
370.00	369.95	4.42	0.28	4.4	3.6	1.3	4.0
380.00	379.95	4.67	0.23	4.7	2.6	1.4	267.2
390.00	389.94	4.74	0.33	4.8	4.0	1.1	4.4
400.00	399.94	4.95	0.40	5.0	4.6	1.3	26.0
410.00	409.94	5.16	0.36	5.2	4.0	1.6	17.9
420.00	419.93	5.41	0.40	5.4	4.2	1.4	352.7
430.00	429.93	5.65	0.41	5.7	4.1	1.4	6.3
440.00	439.93	5.91	0.44	5.9	4.2	1.7	5.6
450.00	449.92	6.19	0.46	6.2	4.2	1.4	2.6
460.00	459.92	6.44	0.48	6.5	4.3	1.3	18.6
470.00	469.92	6.69	0.51	6.7	4.4	1.7	8.4
480.00	479.91	6.96	0.55	7.0	4.5	1.6	14.2
490.00	489.91	7.19	0.59	7.2	4.7	1.5	8.4
500.00	499.91	7.45	0.61	7.5	4.7	1.7	350.2
510.00	509.90	7.70	0.67	7.7	4.9	1.3	17.3
520.00	519.90	7.94	0.71	8.0	5.1	1.4	14.7
530.00	529.90	8.17	0.77	8.2	5.4	1.4	11.4
540.00	539.90	8.40	0.82	8.4	5.6	1.4	17.9
550.00	549.89	8.64	0.89	8.7	5.9	1.6	13.4
560.00	559.89	8.87	0.95	8.9	6.1	1.2	20.5
570.00	569.89	9.11	1.02	9.2	6.4	1.3	22.0
580.00	579.88	9.33	1.10	9.4	6.7	1.4	12.9
590.00	589.88	9.51	1.15	9.6	6.9	1.7	37.8
600.00	599.88	9.68	1.22	9.8	7.2	1.4	20.6
610.00	609.87	9.91	1.30	10.0	7.5	1.3	12.6
620.00	619.87	10.15	1.36	10.2	7.7	1.6	13.7
630.00	629.87	10.41	1.44	10.5	7.9	1.6	13.5
640.00	639.86	10.68	1.55	10.8	8.3	2.0	33.9
650.00	649.86	11.01	1.65	11.1	8.5	1.6	5.2
660.00	659.85	11.31	1.77	11.4	8.9	1.7	26.0
670.00	669.85	11.58	1.88	11.7	9.2	1.5	24.8
680.00	679.84	11.82	2.00	12.0	9.6	1.6	21.0
690.00	689.84	12.10	2.12	12.3	9.9	1.8	25.0
700.00	699.83	12.39	2.24	12.6	10.3	1.6	29.4
710.00	709.83	12.68	2.36	12.9	10.6	1.9	21.0
720.00	719.82	12.98	2.48	13.2	10.8	1.7	16.5
730.00	729.82	13.26	2.60	13.5	11.1	1.7	23.0
740.00	739.81	13.55	2.70	13.8	11.3	1.7	17.7
750.00	749.81	13.82	2.81	14.1	11.5	1.6	23.5
760.00	759.81	14.06	2.92	14.4	11.7	1.5	24.6
770.00	769.80	14.36	3.00	14.7	11.8	2.0	18.5
780.00	779.80	14.52	3.06	14.8	11.9	1.5	55.3
790.00	789.79	14.67	3.14	15.0	12.1	1.6	15.5
800.00	799.79	14.92	3.25	15.3	12.3	1.4	31.8
810.00	809.79	15.18	3.31	15.5	12.3	1.8	10.3
820.00	819.78	15.41	3.43	15.8	12.6	1.3	22.1
830.00	829.78	15.62	3.53	16.0	12.7	1.4	16.5
840.00	839.78	15.85	3.63	16.3	12.9	1.3	41.3
850.00	849.77	16.06	3.73	16.5	13.1	1.4	30.1
860.00	859.77	16.30	3.82	16.7	13.2	1.5	25.7
870.00	869.77	16.52	3.92	17.0	13.3	1.4	29.3
880.00	879.77	16.75	4.01	17.2	13.5	1.4	24.6
890.00	889.76	16.97	4.12	17.5	13.7	1.4	18.0
900.00	899.76	17.19	4.23	17.7	13.8	1.4	18.0



550.00	1549.51	24.68	14.72	29.1	30.8	1.1	20.1
560.00	1559.51	24.84	14.93	29.0	31.0	1.5	20.0
570.00	1569.51	25.01	15.08	29.2	31.1	1.3	40.4
580.00	1579.51	25.20	15.06	29.4	30.9	1.0	8.2
590.00	1589.50	25.31	15.18	29.5	31.0	1.2	50.5
500.00	1599.50	25.45	15.33	29.7	31.1	1.3	94.2
510.00	1609.50	25.70	15.37	29.9	30.9	1.7	26.9
520.00	1619.49	25.91	15.53	30.2	30.9	1.6	9.8
530.00	1629.49	26.15	15.51	30.4	30.7	1.4	9.7
540.00	1639.49	26.31	15.70	30.6	30.8	1.8	10.5
550.00	1649.48	26.57	15.75	30.8	30.7	1.4	9.5
560.00	1659.48	26.77	15.86	31.1	30.6	1.3	50.0
570.00	1669.48	26.99	15.94	31.3	30.6	1.3	37.9
580.00	1679.47	27.21	16.01	31.6	30.5	1.2	40.0
590.00	1689.47	27.41	16.12	31.8	30.5	1.5	24.0
700.00	1699.47	27.64	16.21	32.0	30.4	1.4	16.4
710.00	1709.47	27.83	16.29	32.2	30.3	1.3	40.3
720.00	1719.46	28.03	16.37	32.5	30.3	1.0	15.3
730.00	1729.46	28.20	16.44	32.6	30.2	1.0	26.4
740.00	1739.46	28.33	16.41	32.7	30.1	0.9	24.2
750.00	1749.46	28.47	16.56	32.9	30.2	1.5	12.5
760.00	1759.46	28.63	16.54	33.1	30.0	1.3	56.0
770.00	1769.45	28.81	16.64	33.3	30.0	1.2	11.2
780.00	1779.45	28.99	16.68	33.5	29.9	1.0	37.7
790.00	1789.45	29.19	16.73	33.6	29.9	1.1	7.4
800.00	1799.45	29.37	16.81	33.8	29.8	1.5	6.2
810.00	1809.44	29.57	16.75	34.0	29.5	1.3	29.0
820.00	1819.44	29.69	16.92	34.2	29.7	1.8	12.9
830.00	1829.44	29.91	16.94	34.4	29.5	1.2	63.8
840.00	1839.44	30.12	16.98	34.6	29.4	1.2	357.5
850.00	1849.43	30.31	17.05	34.8	29.4	1.2	39.7
860.00	1859.43	30.52	17.09	35.0	29.2	1.2	8.5
870.00	1869.43	30.71	17.16	35.2	29.2	1.2	22.6
880.00	1879.43	30.91	17.21	35.4	29.1	1.0	14.6
890.00	1889.42	31.08	17.23	35.5	29.0	1.0	3.2
900.00	1899.42	31.26	17.26	35.7	28.9	1.2	13.6
910.00	1909.42	31.46	17.34	35.9	28.9	1.3	5.0
920.00	1919.42	31.66	17.28	36.1	28.6	1.1	39.7
930.00	1929.42	31.83	17.36	36.3	28.6	1.2	334.1
940.00	1939.41	32.05	17.42	36.5	28.5	1.7	25.0
950.00	1949.41	32.31	17.48	36.7	28.4	1.5	13.9
960.00	1959.41	32.53	17.55	37.0	28.3	1.5	42.0
970.00	1969.40	32.79	17.59	37.2	28.2	1.5	3.5
980.00	1979.40	33.03	17.61	37.4	28.1	1.2	353.2
990.00	1989.40	33.25	17.66	37.6	28.0	1.4	9.0
000.00	1999.39	33.48	17.73	37.9	27.9	1.4	12.6
010.00	2009.39	33.71	17.77	38.1	27.8	1.5	24.1
020.00	2019.39	33.97	17.84	38.4	27.7	1.4	5.2
030.00	2029.38	34.13	17.95	38.6	27.7	1.3	112.3
040.00	2039.38	33.99	17.90	38.4	27.8	0.7	238.5
050.00	2049.38	34.04	17.91	38.5	27.8	1.0	10.3
060.00	2059.38	34.23	17.96	38.7	27.7	1.1	10.3
070.00	2069.38	34.41	17.99	38.8	27.6	0.9	7.6
080.00	2079.38	34.59	18.02	39.0	27.5	1.2	5.5
090.00	2089.37	34.77	18.03	39.2	27.4	1.1	12.9
100.00	2099.37	34.96	18.11	39.4	27.4	1.1	18.4
110.00	2109.37	35.15	18.13	39.5	27.3	0.9	2.1
120.00	2119.37	35.32	18.18	39.7	27.2	1.2	14.0
130.00	2129.37	35.50	18.21	39.9	27.2	0.9	10.0
140.00	2139.36	35.69	18.25	40.1	27.1	1.2	2.5
150.00	2149.36	35.90	18.29	40.3	27.0	1.4	21.6
160.00	2159.36	36.12	18.35	40.5	26.9	1.2	17.7
170.00	2169.36	36.14	18.37	40.5	26.9	0.9	353.2
180.00	2179.36	36.17	18.34	40.6	26.9	0.7	236.7
190.00	2189.36	36.15	18.33	40.5	26.9	0.9	1.8
200.00	2199.36	36.27	18.33	40.6	26.8	0.5	31.8
210.00	2209.36	36.39	18.37	40.8	26.8	1.0	1.7
220.00	2219.35	36.51	18.35	40.9	26.7	0.7	64.0
230.00	2229.35	36.62	18.44	41.0	26.7	1.0	42.7
240.00	2239.35	36.75	18.47	41.1	26.7	0.7	63.9
250.00	2249.35	36.87	18.44	41.2	26.6	0.8	67.2
260.00	2259.35	36.99	18.54	41.4	26.6	0.9	106.2
270.00	2269.35	37.03	18.50	41.4	26.6	1.0	166.7
280.00	2279.35	37.07	18.49	41.4	26.5	1.5	29.9
290.00	2289.34	37.20	18.55	41.6	26.5	1.6	40.9
300.00	2299.34	37.31	18.65	41.7	26.6	1.3	35.3
310.00	2309.34	37.51	18.72	41.9	26.5	1.5	336.8
3214.40	2313.73	37.62	18.68	42.0	26.4	1.6	340.9



COMPANY CNX GAS CO LLC

HOLE BF-112-A

RIG #: 40

LOCATION: BEE HIVE HOLW

DATE STARTED: 11/3/2009

DATE COMPLETED: 11/6/2009

ELECTRIC LOGGED: YES

GROUTED: YES

DEPTH FROM	THICKNESS TO	FT	STRATA DESCRIPTION, VOIDS ETC.
	0	23	23 OVERBURDEN
	23	30	7 SAND
	30	60	30 SAND/SANDY SHALE
	60	90	30 SANDY SHALE
	90	120	30 SANDY SHALE/COAL/SANDY SHALE
	120	150	30 SANDY SHALE
	150	180	30 SANDY SHALE
	180	210	30 SANDY SHALE/COAL/SANDY SHALE
	210	230	20 SANDY SHALE
	230	248	18 SAND
	248	278	30 SAND/SANDY SHALE/COAL
	278	308	30 SANDY SHALE/COAL/SANDY SHALE
	308	338	30 SANDY SHALE
	338	368	30 SANDY SHALE/SAND
	368	398	30 SAND
	398	428	30 SAND/SANDY SHALE
	428	458	30 SANDY SHALE
	458	488	30 SANDY SHALE/COAL/SANDY SHALE
	488	518	30 SANDY SHALE
	518	548	30 SAND/SHALE/COAL
	548	578	30 SAND/SHALE/COAL
	578	608	30 SAND/SHALE
	608	638	30 SAND/SHALE/COAL
	638	668	30 SAND/SHALE
	668	698	30 SAND/SHALE/COAL
	698	728	30 SAND/SHALE
	728	758	30 SAND/SHALE
	758	788	30 SAND/SHALE/COAL
	788	818	30 SAND/SHALE/COAL
	818	848	30 SAND/SHALE
	848	878	30 SAND/SHALE
	878	908	30 SAND/SHALE
	908	938	30 SAND/SHALE/COAL
	938	968	30 SAND/SHALE/COAL
	968	998	30 SAND/SHALE
	998	1028	30 SAND/SHALE

1028	1063	35 SAND/SHALE/COAL
1063	1093	30 SAND/SHALE/COAL
1093	1123	30 SAND/SHALE
1123	1153	30 SAND/SHALE/COAL
1153	1183	30 SAND/SHALE/COAL
1183	1213	30 SAND/SHALE/COAL
1213	1243	30 SAND/SHALE
1243	1273	30 SAND/SHALE/COAL
1273	1303	30 SAND/SHALE/COAL
1303	1333	30 SAND/SHALE/COAL
1333	1363	30 SAND/SHALE
1363	1393	30 SAND/SHALE/COAL
1393	1423	30 SANDY SHALE/COAL/SANDY SHALE
1423	1453	30 SANDY SHALE/COAL/SANDY SHALE
1453	1483	30 SANDY SHALE/COAL/SANDY SHALE
1483	1513	30 SANDY SHALE/COAL/SANDY SHALE
1513	1543	30 SANDY SHALE
1543	1573	30 SANDY SHALE/COAL/SANDY SHALE
1573	1603	30 SANDY SHALE
1603	1633	30 SANDY SHALE/COAL/SANDY SHALE
1633	1663	30 SANDY SHALE
1663	1693	30 SANDY SHALE
1693	1723	30 SANDY SHALE/COAL/SANDY SHALE
1723	1753	30 SANDY SHALE/COAL/SANDY SHALE
1753	1783	30 SANDY SHALE
1783	1813	30 SANDY SHALE
1813	1843	30 SANDY SHALE
1843	1873	30 SANDY SHALE/COAL/SANDY SHALE
1873	1903	30 SANDY SHALE
1903	1933	30 SANDY SHALE/COAL/SANDY SHALE
1933	1963	30 SANDY SHALE
1963	1993	30 SANDY SHALE
1993	2023	30 SANDY SHALE/COAL/SANDY SHALE
2023	2053	30 SANDY SHALE/COAL/SANDY SHALE
2053	2083	30 SANDY SHALE/COAL/SANDY SHALE
2083	2093	10 SANDY SHALE
2093	2095	2 POCA-3/COAL
2095	2113	18 SAND
2113	2143	30 SAND/COAL/SAND
2143	2173	30 SAND/COAL/SANDY SHALE
2173	2203	30 SANDY SHALE
2203	2233	30 SANDY SHALE/COAL/SANDY SHALE
2233	2263	30 SANDY SHALE
2263	2293	30 SAND/SHALE/COAL
2293	2323	30 SAND/SHALE
2323	2353	30 SAND/SHALE/RED SHALE

2353' TOTAL DEPTH  
23' OF 13 3/8" CASING  
211.4' OF 7" CASING  
2166.11' OF 4 1/2" CASING