



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

Tracking Number:	<u>2422</u>
Company:	<u>CNX Gas Company LLC</u>
File Number:	<u>RU-0593</u>
Operations Name:	<u>CBM BH112A W/PL</u>
Operation Type:	<u>Coalbed/Pipeline</u>
Drilling Report Type:	<u>Original</u>

DRILLING REPORT (DGO-GO-14)

1. Drilling Data

Date drilling commenced:	<u>11/11/2009</u>	Drilling Contractor:	<u>NOAH HORN</u>
Date drilling completed:	<u>11/14/2009</u>	Rig Type:	<input checked="" type="checkbox"/> Rotary <input type="checkbox"/> Cable
Driller's Total Depth (feet):	<u>2555.00</u>		
Log Total Depth (feet):	<u>2521.65</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>10469387.0000</u>	Final Plat State Plane X:	<u>10469394.6600</u>
Permitted State Plane Y:	<u>3568652.0000</u>	Final Plat State Plane Y:	<u>3568653.9500</u>

Plat Previously Submitted Or...

List of Attached Items:

Description	FileName
PLAT	BH112A Plat.pdf

3. Geological Data

Fresh Water At:

Depth (in feet)	Rate	Unit of Measure
120	damp	

Salt Water At:

Depth (in feet)	Rate	Unit of Measure
2255	damp	

Coal Seams:

List of Attached Items:

Description	FileName
EXHIBIT A	BH112A Exh A.pdf

Gas and Oil Shows:

List of Attached Items:

Description	FileName
GAS SHOW	BH112A 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	BH112A Dev.pdf

6. Casing and Tubing Program

List of Attached Items:

Description	FileName
CASING	BH112A 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.

Void at 198 ft; 7" casing cemented on backside to surface.

8. Drillers Log

Compiled By: NOAH HORN

List of Attached Items:

Description	FileName
DRILL DATA	BH112A Drill Data.pdf

9. Comments

10. Signature

Permitee: CNX Gas Company LLC

Date: 2/11/2010

Signed By: Jerry Boothe

Title: Manager

INTERNAL USE ONLY

Submit Date: 2/11/2010

Status: A

Date: 2/26/2010

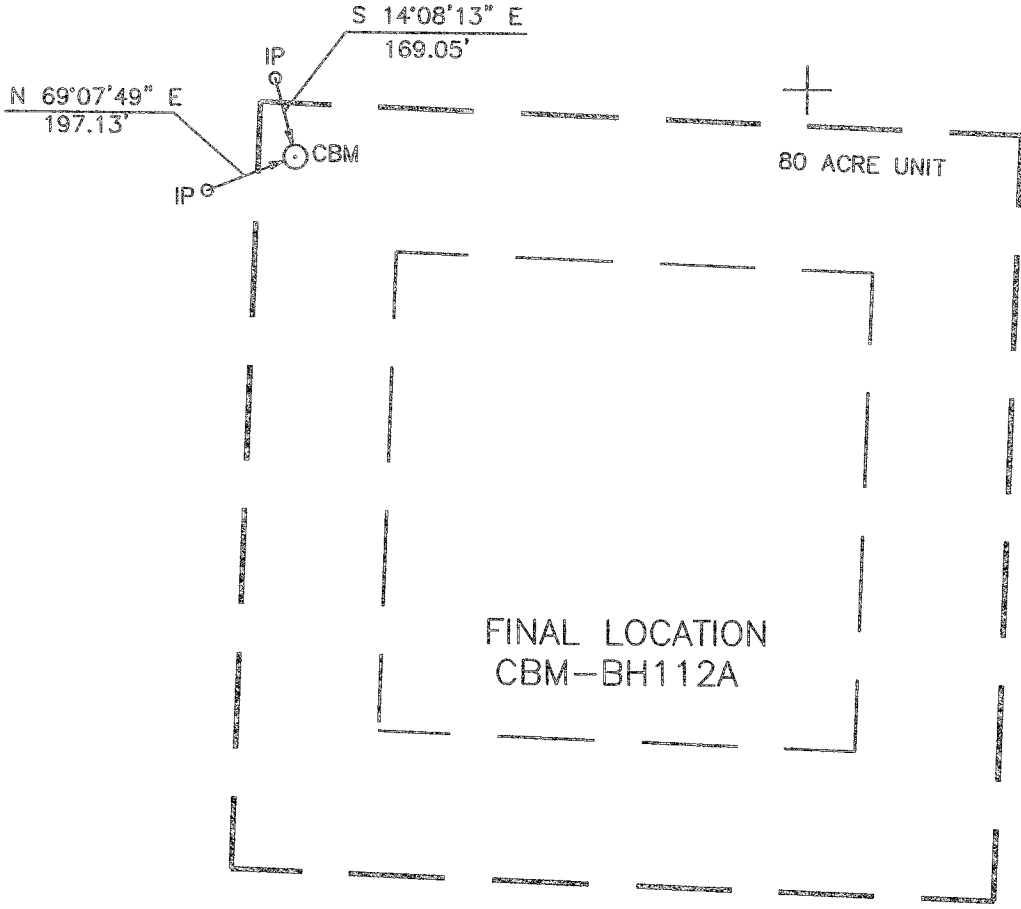
Final PDF Date: 2/26/2010

4,860'

LATITUDE: 37° 05' 00"

LONGITUDE: 81° 58' 29.43271"

3,945'



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

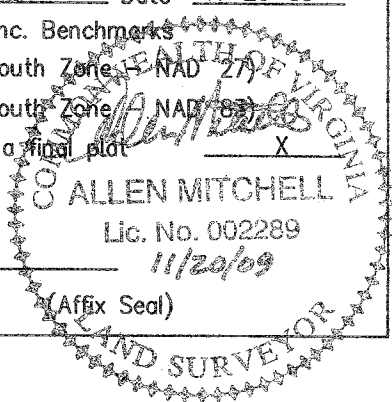
BH112AFNL
 PGP39/176-755/ 19

Company CNX Gas Company LLC Well Name or Number CBM-BH112A
 Tract No. GENT ROYALTY PARTNERS, LLC ET AL Scale: 1" = 400'
 County RUSSELL District NEW GARDEN Quadrangle HONAKER Date 11-20-09
 Elevation 2436.74' Well Elevation Determined By Trig. Levels From CONSOL Inc. Benchmarks
 Well Coordinates N 287,775.82 E 986,407.46 (Virginia State Plane - South Zone - NAD 83)
 Well Coordinates N 3,568,653.95 E 10,469,394.66 (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)

BH112A
EXHIBIT A

HOLE NO = 09 CBM BH112A

STATE = VIRGINIA COUNTY = BUCHANAN

S ELEV = 2437

N-COOR = 287776 E-COOR = 986407

STRATA ELEV (TOP)	STRATA FROM	DEPTH TO	STRATA THICK	SEAM CODE	COMMENTS
2243.84	192.90	196.00	3.10	KN2	MINED OUT
2240.74	196.00	329.10	133.10		
2107.64	329.10	329.40	.30	AL1	
2107.34	329.40	381.90	52.50		
2054.84	381.90	383.90	2.00	AL2	
2052.84	383.90	500.00	116.10		
1936.74	500.00	502.00	2.00	RA2	
1934.74	502.00	505.70	3.70		
1931.04	505.70	505.90	.20	COAL	
1930.84	505.90	655.10	149.20		
1781.64	655.10	657.20	2.10	JB1	
1779.54	657.20	685.90	28.70		
1750.84	685.90	687.60	1.70	JB3	
1749.14	687.60	735.10	47.50		
1701.64	735.10	735.90	.80	T2	
1700.84	735.90	835.00	99.10		
1601.74	835.00	835.90	.90	TI	
1600.84	835.90	840.10	4.20		
1596.64	840.10	840.30	.20	COAL	
1596.44	840.30	971.80	131.50		
1464.94	971.80	972.40	.60	*US1	
1464.34	972.40	976.20	3.80		
1460.54	976.20	976.30	.10	*LC1	
1460.44	976.30	979.80	3.50		
1456.94	979.80	979.90	.10	*LC2	
1456.84	979.90	982.30	2.40		
1454.44	982.30	983.90	1.60	*LC3	
1452.84	983.90	985.40	1.50	*LC4	
1451.34	985.40	1126.20	140.80		
1310.54	1126.20	1127.00	.80	*GC1	
1309.74	1127.00	1127.80	.80		
1308.94	1127.80	1128.30	.50	*GC1	
1308.44	1128.30	1257.10	128.80		
1179.64	1257.10	1257.90	.80	*SE1	
1178.84	1257.90	1267.90	10.00		
1168.84	1267.90	1268.10	.20	*SE2	
1168.64	1268.10	1368.80	100.70		
1067.94	1368.80	1368.90	.10	*COAL	
1067.84	1368.90	1388.10	19.20		
1048.64	1388.10	1389.10	1.00	*LS3	
1047.64	1389.10	1389.70	.60		
1047.04	1389.70	1389.90	.20	*UH1	
1046.84	1389.90	1450.10	60.20		
986.64	1450.10	1451.90	1.80	*UH2	
984.84	1451.90	1453.50	1.60		
983.24	1453.50	1455.80	2.30	*UH3	
980.94	1455.80	1497.10	41.30		
939.64	1497.10	1498.90	1.80	*MH1	
937.84	1498.90	1572.80	73.90		
863.94	1572.80	1572.90	.10	*MH2	

				BH112A
863.84	1572.90	1620.70	47.80	
816.04	1620.70	1623.00	2.30	*P11
813.74	1623.00	1648.90	25.90	
787.84	1648.90	1650.10	1.20	*P10
786.64	1650.10	1698.40	48.30	
738.34	1698.40	1700.00	1.60	*LH1
736.74	1700.00	1701.10	1.10	
735.64	1701.10	1703.90	2.80	*LH2
732.84	1703.90	1733.00	29.10	
703.74	1733.00	1733.10	.10	*P91
703.64	1733.10	1733.70	.60	
703.04	1733.70	1735.00	1.30	*P92
701.74	1735.00	1784.90	49.90	
651.84	1784.90	1785.80	.90	*P81
650.94	1785.80	1786.00	.20	
650.74	1786.00	1786.60	.60	*P81
650.14	1786.60	1787.20	.60	
649.54	1787.20	1787.90	.70	*P82
648.84	1787.90	1794.80	6.90	
641.94	1794.80	1795.20	.40	*P71
641.54	1795.20	1833.20	38.00	
603.54	1833.20	1834.00	.80	*COAL
602.74	1834.00	1834.90	.90	
601.84	1834.90	1835.00	.10	*COAL
601.74	1835.00	1841.90	6.90	
594.84	1841.90	1842.00	.10	*COAL
594.74	1842.00	1922.60	80.60	
514.14	1922.60	1923.80	1.20	*P72
512.94	1923.80	1946.20	22.40	
490.54	1946.20	1946.30	.10	*COAL
490.44	1946.30	1947.00	.70	
489.74	1947.00	1947.20	.20	*COAL
489.54	1947.20	1958.10	10.90	
478.64	1958.10	1958.20	.10	*COAL
478.54	1958.20	2123.80	165.60	
312.94	2123.80	2125.80	2.00	*P51
310.94	2125.80	2136.90	11.10	
299.84	2136.90	2138.80	1.90	*P52
297.94	2138.80	2173.90	35.10	
262.84	2173.90	2174.10	.20	*COAL
262.64	2174.10	2240.90	66.80	
195.84	2240.90	2241.50	.60	*P43
195.24	2241.50	2289.90	48.40	
146.84	2289.90	2291.00	1.10	*P31
145.74	2291.00	2292.50	1.50	*P32
144.24	2292.50	2331.40	38.90	
105.34	2331.40	2331.80	.40	*P34
104.94	2331.80	2496.00	164.20	
-59.26	2496.00	2496.30	.30	*SJ3
-59.56	2496.30	2555.00	58.70	

BOTTOM HOLE

COAL SEAMS TO BE STIMULATED WERE ADJUSTED DUE TO TOPOGRAPHY.
 GAMMA-CALIPER LOG FROM 0 TO 259.00
 GAMMA-DENSITY LOG FROM 259.00 TO TD.
 NOTE: FOOTAGE NOT ADJUSTED FOR DEVIATION

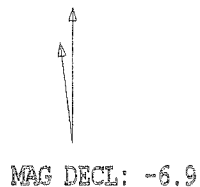
Well: **BH112A**

Oil & Gas Show

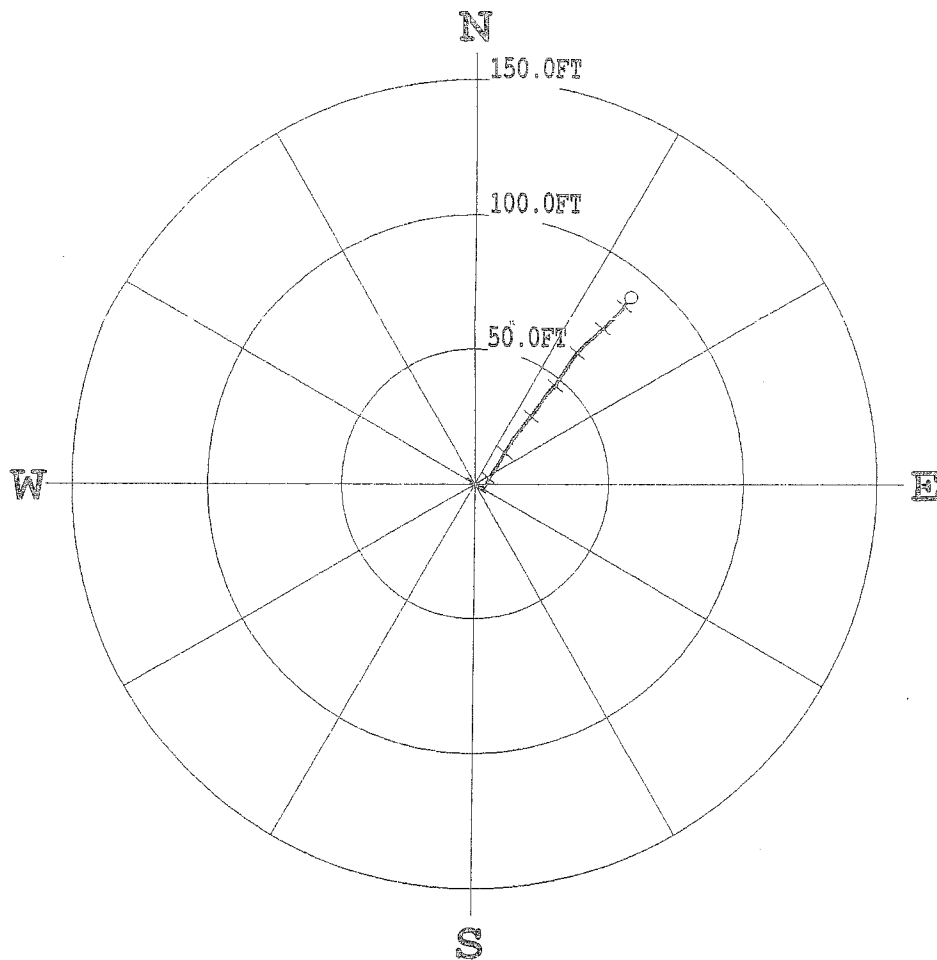
Formation	Top	Bottom	Thickness	IPF (MCFD/BOPD)	Pressure	Hours Tested
Lee/Norton	982.3	1735.0	752.7			
Pocahontas	1922.6	2292.5	369.9			
Total IPF				NOT TAKEN		

PLAN VIEW COMPU-LOG DEVIATION

CLIENT: CONSOL ENERGY
 LOCATION:
 WELP ID: CNX-09-BH-112A
 DATE OF LOG: 11/14/09
 PROBE: 9136CH 1244



SCALE: 50 FT/IN
 TRUE DEPTH: 2518.69 FT
 AZIMUTH: 40.1
 DISTANCE: 90.2 FT
 + = 300 FT INCR
 O = BOTTOM OF HOLE



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

CLIENT : CONSOL ENERGY HOLE ID. : CNX-09-BH-112
 FIELD OFFICE : BLUEFIELD DATE OF LOG : 11/14/09
 DATA FROM : PROBE : 9136CH , 1244
 MAG. DECL. : -6.900 DEPTH UNITS : FEET
 LOG: CNX-09-BH-112A_11-14-09_00-26_9136CH_10_0.00_2521.20_DEVI.log

WELP 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	32.4	0.1	73.3
20.00	20.00	0.01	0.00	0.0	25.4	0.1	31.1
30.00	30.00	0.02	0.01	0.0	22.5	0.0	7.6
40.00	40.00	0.03	0.01	0.0	15.9	0.1	14.9
50.00	50.00	0.03	0.01	0.0	15.0	0.0	18.7
60.00	60.00	0.04	0.01	0.0	15.0	0.1	48.0
70.00	70.00	0.05	0.02	0.1	26.1	0.1	58.3
80.00	80.00	0.04	0.05	0.1	46.0	0.2	89.5
90.00	90.00	0.03	0.08	0.1	67.4	0.4	114.8
100.00	100.00	0.02	0.12	0.1	82.2	0.1	110.2
110.00	110.00	-0.00	0.15	0.1	90.6	0.3	139.4

DATA FROM : PROBE : 9136CH 1244
 MAG. DECL. : -6.900 DEPTH UNITS : FEET
 LOG: CNX-09-BH-112A_11-14-09_00-26_9136CH_10_0.00_2521.20_DEVI.log

BLE 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	32.4	0.1	73.3
20.00	20.00	0.01	0.00	0.0	25.4	0.1	31.1
30.00	30.00	0.02	0.01	0.0	22.5	0.0	7.6
40.00	40.00	0.03	0.01	0.0	15.9	0.1	14.9
50.00	50.00	0.03	0.01	0.0	15.0	0.0	18.7
60.00	60.00	0.04	0.01	0.0	15.0	0.1	48.0
70.00	70.00	0.05	0.02	0.1	26.1	0.1	58.3
80.00	80.00	0.04	0.05	0.1	46.0	0.2	69.5
90.00	90.00	0.03	0.09	0.1	67.4	0.4	114.8
100.00	100.00	0.02	0.12	0.1	82.2	0.1	110.2
110.00	110.00	-0.00	0.15	0.1	90.6	0.3	139.4
120.00	120.00	-0.04	0.16	0.2	104.0	0.6	160.3
130.00	130.00	-0.10	0.20	0.2	115.2	0.3	171.1
140.00	140.00	-0.12	0.21	0.2	120.0	0.1	184.3
150.00	150.00	-0.14	0.21	0.3	123.4	0.3	145.3
160.00	160.00	-0.16	0.25	0.3	125.2	0.4	136.9
170.00	170.00	-0.21	0.30	0.4	125.7	0.4	128.2
180.00	180.00	-0.26	0.36	0.4	126.4	0.4	124.7
190.00	190.00	-0.32	0.43	0.5	126.3	0.4	126.5
200.00	200.00	-0.36	0.49	0.6	126.2	0.7	103.6
210.00	210.00	-0.42	0.57	0.7	126.8	0.8	135.5
220.00	220.00	-0.50	0.63	0.8	128.2	0.4	142.4
230.00	230.00	-0.56	0.70	0.9	128.5	0.7	125.7
240.00	240.00	-0.62	0.80	1.0	127.9	0.6	118.1
250.00	249.99	-0.68	0.89	1.1	127.3	0.9	123.3
260.00	259.99	-0.74	0.99	1.2	126.9	0.6	126.2
270.00	269.99	-0.83	1.09	1.4	127.3	1.0	134.7
280.00	279.99	-0.93	1.22	1.5	127.2	0.9	121.2
290.00	289.99	-1.02	1.34	1.7	127.2	0.9	134.6
300.00	299.99	-1.10	1.45	1.8	127.1	0.8	129.1
310.00	309.99	-1.16	1.58	2.0	126.4	0.8	129.5
320.00	319.99	-1.24	1.69	2.1	126.4	0.9	113.9
330.00	329.99	-1.30	1.82	2.2	125.5	0.9	104.1
340.00	339.99	-1.34	1.95	2.4	124.4	0.8	103.1
350.00	349.98	-1.37	2.08	2.5	123.3	0.9	103.7
360.00	359.98	-1.37	2.23	2.6	121.6	0.9	86.9
370.00	369.98	-1.34	2.38	2.7	119.5	0.9	70.1
380.00	379.98	-1.34	2.52	2.9	118.0	0.8	96.4
390.00	389.98	-1.33	2.65	3.0	116.7	0.9	90.1
400.00	399.98	-1.30	2.80	3.1	114.9	0.8	82.9
410.00	409.98	-1.26	2.93	3.2	113.3	0.8	74.2
420.00	419.98	-1.22	3.05	3.3	111.9	0.8	61.3
430.00	429.98	-1.17	3.20	3.4	110.1	1.0	61.3
440.00	439.97	-1.08	3.35	3.5	107.8	1.1	55.5
450.00	449.97	-0.95	3.47	3.6	105.3	1.0	49.2
460.00	459.97	-0.87	3.60	3.7	103.5	1.0	57.3
470.00	469.97	-0.74	3.73	3.8	101.2	1.1	38.9
480.00	479.97	-0.59	3.85	3.9	98.6	1.1	38.9
490.00	489.97	-0.42	3.97	4.0	96.0	1.2	28.8
500.00	499.96	-0.23	4.08	4.1	93.3	1.4	36.2
510.00	509.96	-0.04	4.20	4.2	90.5	1.5	22.0
520.00	519.96	0.14	4.36	4.4	88.1	1.3	14.4
530.00	529.95	0.38	4.44	4.5	85.1	1.6	38.8
540.00	539.95	0.60	4.56	4.6	82.5	1.5	19.8
550.00	549.95	0.83	4.69	4.8	80.0	1.5	30.8
560.00	559.94	1.06	4.81	4.9	77.6	1.6	54.5
570.00	569.94	1.29	4.93	5.1	75.4	1.7	3.0
580.00	579.94	1.55	5.07	5.3	73.0	1.6	37.7
590.00	589.93	1.79	5.19	5.5	71.0	1.6	352.1
600.00	599.93	1.99	5.38	5.7	69.7	1.6	53.1
610.00	609.92	2.23	5.50	5.9	68.0	1.8	59.0
620.00	619.92	2.51	5.60	6.1	65.9	1.8	24.7
630.00	629.91	2.80	5.78	6.4	64.2	1.9	27.7
640.00	639.91	3.11	5.94	6.7	62.3	2.1	26.0
650.00	649.90	3.37	6.18	7.0	61.4	2.0	69.4
660.00	659.89	3.68	6.29	7.3	59.6	2.4	29.9
670.00	669.89	4.01	6.46	7.6	58.2	2.2	25.5
680.00	679.88	4.18	6.71	7.9	58.1	1.9	7.4
690.00	689.87	4.41	6.86	8.2	57.3	2.1	36.6
700.00	699.87	4.76	6.98	8.4	55.7	2.4	26.3
710.00	709.86	5.00	7.25	8.8	55.4	2.0	35.2
720.00	719.85	5.31	7.44	9.1	54.5	2.3	45.1
730.00	729.84	5.56	7.71	9.5	54.2	2.2	5.7
740.00	739.84	5.90	7.86	9.8	53.1	2.4	67.8
750.00	749.83	6.16	8.09	10.2	52.7	2.1	18.4
760.00	759.82	6.52	8.27	10.5	51.7	2.3	14.3
770.00	769.81	6.81	8.53	10.9	51.4	2.2	17.4
780.00	779.80	7.07	8.80	11.3	51.2	2.4	30.6
790.00	789.79	7.46	8.90	11.6	50.0	2.6	32.6
800.00	799.79	7.75	9.19	12.0	49.9	2.2	42.5
810.00	809.78	8.11	9.32	12.4	49.0	2.3	43.2
820.00	819.77	8.43	9.53	12.7	48.5	2.3	23.1
830.00	829.76	8.78	9.72	13.1	47.9	2.2	27.9
840.00	839.75	9.10	9.93	13.5	47.5	2.4	52.4
850.00	849.74	9.51	10.04	13.8	46.5	2.7	35.4
860.00	859.73	9.86	10.29	14.2	46.2	2.5	10.9
870.00	869.72	10.28	10.43	14.6	45.4	2.6	19.6
880.00	879.71	10.61	10.71	15.1	45.3	2.7	27.5
890.00	889.70	11.04	10.92	15.5	44.7	3.1	31.2
900.00	899.69	11.42	11.22	16.0	44.5	2.8	29.2

840.00	839.75	9.10	9.93	13.5	47.5	2.4	52.4
850.00	849.74	9.51	10.04	13.8	46.5	2.7	35.4
860.00	859.73	9.86	10.29	14.2	46.2	2.5	10.9
870.00	869.72	10.28	10.43	14.6	45.4	2.6	19.6
880.00	879.71	10.61	10.71	15.1	45.3	2.7	27.5
890.00	889.70	11.04	10.92	15.5	44.7	3.1	31.2
900.00	899.69	11.42	11.22	16.0	44.5	2.8	29.2
910.00	909.67	11.90	11.40	16.5	43.8	3.4	43.9
920.00	919.66	12.33	11.75	17.0	43.6	3.1	27.4
930.00	929.64	12.81	12.02	17.6	43.2	3.3	13.7
940.00	939.62	13.30	12.32	18.1	42.8	3.4	39.7
950.00	949.61	13.80	12.63	18.7	42.5	3.5	33.0
960.00	959.59	14.31	12.94	19.3	42.1	3.4	19.9
970.00	969.57	14.87	13.18	19.9	41.5	3.4	28.9
980.00	979.55	15.22	13.57	20.4	41.7	3.3	25.6
990.00	989.54	15.75	13.75	20.9	41.1	3.6	32.1
000.00	999.52	16.16	14.17	21.5	41.2	3.6	10.0
010.00	1009.50	16.67	14.42	22.0	40.9	3.2	49.7
020.00	1019.48	16.75	14.51	22.2	40.9	3.5	160.5
030.00	1029.47	16.74	14.51	22.1	40.9	3.0	59.2
040.00	1039.45	17.09	14.80	22.6	40.9	3.5	3.6
050.00	1049.43	17.53	15.22	23.2	41.0	3.4	34.7
060.00	1059.41	18.04	15.55	23.8	40.7	3.5	30.8
070.00	1069.39	18.56	15.89	24.4	40.6	3.6	45.3
080.00	1079.37	19.07	16.20	25.0	40.3	3.5	49.0
090.00	1089.35	19.41	16.56	25.5	40.5	3.3	346.3
100.00	1099.33	19.87	16.92	26.1	40.4	3.7	25.9
110.00	1109.31	20.29	17.41	26.7	40.6	3.8	35.6
120.00	1119.29	20.92	17.63	27.4	40.1	4.0	28.5
130.00	1129.27	21.36	18.11	28.0	40.3	3.9	32.6
140.00	1139.24	21.94	18.42	28.6	40.0	3.9	43.5
150.00	1149.22	22.43	18.89	29.3	40.1	4.0	71.2
160.00	1159.20	22.98	19.19	29.9	39.9	4.0	24.3
170.00	1169.17	23.54	19.60	30.6	39.9	3.9	41.4
180.00	1179.15	23.82	20.15	31.2	40.2	3.6	352.3
190.00	1189.13	24.36	20.36	31.8	39.9	3.9	69.8
200.00	1199.10	24.80	20.86	32.4	40.1	3.9	39.2
210.00	1209.08	25.43	21.08	33.0	39.7	3.9	62.1
220.00	1219.06	25.84	21.51	33.6	39.8	3.5	19.6
230.00	1229.03	26.33	21.84	34.2	39.7	3.9	3.0
240.00	1239.01	26.61	22.33	34.7	40.0	3.9	2.1
250.00	1248.98	27.18	22.49	35.3	39.6	4.1	74.6
260.00	1258.96	27.52	23.01	35.9	39.9	3.9	2.2
270.00	1268.94	28.16	23.19	36.5	39.5	4.3	47.1
280.00	1278.91	28.54	23.73	37.1	39.7	4.0	56.7
290.00	1288.89	29.13	23.89	37.7	39.4	4.2	60.6
300.00	1298.86	29.64	24.33	38.3	39.4	3.9	35.2
310.00	1308.84	30.19	24.71	39.0	39.3	3.8	27.6
320.00	1318.82	30.76	25.06	39.7	39.2	3.8	30.7
330.00	1328.80	31.30	25.42	40.3	39.1	3.6	18.6
340.00	1338.78	31.86	25.68	40.9	38.9	3.6	48.0
350.00	1348.76	32.14	26.16	41.4	39.1	3.4	27.6
360.00	1358.74	32.65	26.31	41.9	38.8	3.7	58.8
370.00	1368.72	33.14	26.63	42.5	38.8	3.4	50.1
380.00	1378.71	33.55	26.96	43.0	38.8	3.0	7.5
390.00	1388.69	33.76	27.39	43.5	39.1	3.1	25.3
400.00	1398.66	34.02	27.59	43.8	39.0	3.2	80.8
410.00	1408.66	34.40	27.85	44.3	39.0	3.3	357.4
420.00	1418.64	34.61	28.08	44.6	39.1	3.3	122.3
430.00	1428.63	34.95	28.20	44.9	38.9	3.2	44.0
440.00	1438.61	35.37	28.55	45.5	38.9	3.2	21.6
450.00	1448.60	35.75	28.94	46.0	39.0	3.1	73.3
460.00	1458.58	36.13	29.13	46.4	38.9	2.9	355.3
470.00	1468.57	35.82	29.32	46.3	39.3	2.6	197.4
480.00	1478.56	35.78	29.54	46.4	39.5	2.9	4.8
490.00	1488.55	36.28	29.53	46.6	39.1	2.9	20.7
500.00	1498.53	36.25	29.98	47.0	39.6	3.5	16.8
510.00	1508.51	36.56	30.02	47.3	39.4	3.1	109.3
520.00	1518.50	36.91	30.07	47.6	39.2	3.1	351.0
530.00	1528.48	37.13	30.47	48.0	39.4	3.4	24.3
540.00	1538.47	37.65	30.60	48.5	39.1	3.0	44.6
550.00	1548.45	38.09	30.93	49.1	39.1	3.2	48.5
560.00	1558.44	38.55	31.21	49.6	39.0	3.2	62.6
570.00	1568.42	39.00	31.49	50.1	38.9	3.3	1.9
580.00	1578.40	39.42	31.85	50.7	38.9	3.4	20.7
590.00	1588.39	39.89	32.14	51.2	38.9	3.2	50.1
600.00	1598.37	40.37	32.27	51.7	38.6	3.1	51.4
610.00	1608.36	40.71	32.66	52.2	38.7	3.3	20.8
620.00	1618.34	41.14	33.00	52.7	38.7	3.4	37.0
630.00	1628.32	41.63	33.24	53.3	38.6	2.9	61.8
640.00	1638.31	42.10	33.43	53.8	38.5	3.1	3.6
650.00	1648.29	42.37	33.79	54.2	38.6	3.1	50.9
660.00	1658.28	42.99	33.98	54.7	38.4	3.1	354.5
670.00	1668.26	43.33	34.27	55.2	38.3	3.3	38.4
680.00	1678.25	43.75	34.58	55.8	38.3	3.4	346.7
690.00	1688.23	44.12	34.81	56.2	38.3	3.2	92.0
700.00	1698.21	44.58	35.11	56.7	38.2	3.1	0.2
710.00	1708.20	44.95	35.40	57.2	38.2	3.2	68.1
720.00	1718.18	45.40	35.71	57.8	38.2	3.0	48.5
730.00	1728.17	45.81	36.06	58.3	38.2	3.1	22.8
740.00	1738.16	46.19	36.27	58.7	38.1	2.8	94.0
750.00	1748.14	46.63	36.48	59.2	38.0	2.7	17.9
760.00	1758.13	46.98	36.81	59.7	38.1	2.9	56.0
770.00	1768.12	47.38	37.10	60.2	38.1	2.6	40.7
780.00	1778.11	47.74	37.40	60.6	38.1	2.6	27.7
790.00	1788.10	48.03	37.71	61.1	38.1	2.5	44.7
800.00	1798.09	48.40	37.85	61.5	38.1	2.5	40.9

1590.00	1588.39	39.89	32.14	51.2	38.9	3.2	50.1
1600.00	1598.37	40.37	32.27	51.7	38.6	3.1	51.4
1610.00	1608.36	40.71	32.66	52.2	38.7	3.3	20.8
1620.00	1618.34	41.14	33.00	52.7	38.7	3.4	37.0
1630.00	1628.32	41.63	33.24	53.3	38.6	2.9	61.8
1640.00	1638.31	42.10	33.43	53.9	38.5	3.1	3.6
1650.00	1648.29	42.37	33.79	54.2	38.6	3.1	50.9
1660.00	1658.28	42.89	33.98	54.7	38.4	3.1	354.5
1670.00	1668.26	43.33	34.27	55.2	38.3	3.3	36.4
1680.00	1678.25	43.75	34.58	55.6	38.3	3.4	346.7
1690.00	1688.23	44.12	34.81	56.2	38.3	3.2	92.0
1700.00	1698.21	44.58	35.11	56.7	38.2	3.1	0.2
1710.00	1708.20	44.95	35.40	57.2	38.2	3.2	66.1
1720.00	1718.18	45.40	35.71	57.8	38.2	3.0	48.5
1730.00	1728.17	45.81	36.06	58.3	38.2	3.1	22.8
1740.00	1738.16	46.19	36.27	58.7	38.1	2.8	94.0
1750.00	1748.14	46.63	36.48	59.2	38.0	2.7	17.9
1760.00	1758.13	46.98	36.81	59.7	38.1	2.9	56.0
1770.00	1768.12	47.38	37.10	60.2	38.1	2.6	40.7
1780.00	1778.11	47.74	37.40	60.6	38.1	2.6	27.7
1790.00	1788.10	48.08	37.71	61.1	38.1	2.5	44.7
1800.00	1798.09	48.40	37.96	61.5	38.1	2.5	40.9
1810.00	1808.08	48.74	38.26	62.0	38.1	2.6	39.0
1820.00	1818.07	49.05	38.57	62.4	38.2	2.5	51.9
1830.00	1828.06	49.35	38.87	62.6	38.2	2.4	52.3
1840.00	1838.05	49.67	39.18	63.3	38.3	2.5	41.9
1850.00	1848.04	50.03	39.40	63.7	38.2	2.5	40.5
1860.00	1858.03	50.27	39.76	64.1	38.3	2.9	30.8
1870.00	1868.02	50.59	40.06	64.5	38.4	2.5	49.8
1880.00	1878.01	50.87	40.39	65.0	38.4	2.6	47.7
1890.00	1888.00	51.20	40.69	65.4	38.5	2.5	54.3
1900.00	1897.99	51.45	41.05	65.8	38.6	2.8	26.8
1910.00	1907.98	51.77	41.30	66.2	38.6	2.4	60.0
1920.00	1917.97	52.04	41.62	66.6	38.7	2.6	75.8
1930.00	1927.96	52.27	42.02	67.1	38.8	2.7	48.2
1940.00	1937.95	52.58	42.36	67.5	38.9	2.5	52.8
1950.00	1947.94	52.88	42.68	68.0	38.9	2.5	41.8
1960.00	1957.93	53.15	43.00	68.4	39.0	2.6	54.1
1970.00	1967.92	53.45	43.34	68.8	39.0	2.6	46.6
1980.00	1977.91	53.72	43.70	69.3	39.1	2.6	52.5
1990.00	1987.90	54.04	44.02	69.7	39.2	2.5	49.3
2000.00	1997.89	54.35	44.35	70.1	39.2	2.6	47.9
2010.00	2007.88	54.63	44.70	70.6	39.3	2.7	45.4
2020.00	2017.87	54.93	45.03	71.0	39.3	2.6	49.7
2030.00	2027.86	55.23	45.38	71.5	39.4	2.7	47.5
2040.00	2037.85	55.55	45.70	71.9	39.4	2.5	46.1
2050.00	2047.84	55.85	46.01	72.4	39.5	2.4	48.3
2060.00	2057.83	56.15	46.34	72.8	39.5	2.5	44.6
2070.00	2067.82	56.44	46.66	73.2	39.6	2.5	50.4
2080.00	2077.81	56.72	46.98	73.6	39.6	2.3	50.2
2090.00	2087.80	57.01	47.27	74.1	39.7	2.3	44.0
2100.00	2097.79	57.29	47.58	74.5	39.7	2.5	44.8
2110.00	2107.78	57.58	47.86	74.9	39.7	2.3	43.5
2120.00	2117.78	57.84	48.15	75.3	39.8	2.3	51.2
2130.00	2127.77	58.13	48.46	75.7	39.8	2.4	38.4
2140.00	2137.76	58.43	48.77	76.1	39.8	2.5	41.4
2150.00	2147.75	58.72	49.06	76.5	39.9	2.5	48.2
2160.00	2157.74	59.03	49.40	77.0	39.9	2.5	45.9
2170.00	2167.73	59.32	49.71	77.4	40.0	2.4	46.1
2180.00	2177.72	59.62	50.03	77.8	40.0	2.5	46.1
2190.00	2187.71	59.92	50.33	78.3	40.0	2.4	41.7
2200.00	2197.70	60.23	50.63	78.7	40.1	2.6	41.0
2210.00	2207.69	60.53	50.94	79.1	40.1	2.5	44.1
2220.00	2217.68	60.85	51.26	79.6	40.1	2.6	44.5
2230.00	2227.67	61.18	51.57	80.0	40.1	2.5	43.6
2240.00	2237.66	61.48	51.86	80.4	40.1	2.3	42.1
2250.00	2247.65	61.78	52.13	80.8	40.2	2.3	46.6
2260.00	2257.65	62.07	52.40	81.2	40.2	2.3	40.1
2270.00	2267.64	62.35	52.67	81.6	40.2	2.2	41.3
2280.00	2277.63	62.62	52.91	82.0	40.2	2.1	38.1
2290.00	2287.63	62.90	53.16	82.4	40.2	2.2	42.5
2300.00	2297.62	63.17	53.43	82.7	40.2	2.2	38.6
2310.00	2307.61	63.44	53.68	83.1	40.2	2.0	44.3
2320.00	2317.61	63.69	53.91	83.4	40.2	2.1	42.6
2330.00	2327.60	63.95	54.15	83.8	40.3	2.0	36.9
2340.00	2337.59	64.21	54.37	84.1	40.3	2.1	40.1
2350.00	2347.59	64.46	54.59	84.5	40.3	1.8	40.8
2360.00	2357.58	64.70	54.79	84.8	40.3	1.8	35.3
2370.00	2367.58	64.94	54.97	85.1	40.2	1.7	36.2
2380.00	2377.57	65.16	55.20	85.4	40.3	1.9	39.4
2390.00	2387.57	65.44	55.34	85.7	40.2	1.7	36.9
2400.00	2397.56	65.73	55.51	86.0	40.2	1.9	27.7
2410.00	2407.56	66.00	55.68	86.4	40.2	1.9	34.6
2420.00	2417.55	66.28	55.87	86.7	40.1	1.9	28.6
2430.00	2427.55	66.55	56.07	87.0	40.1	1.9	35.9
2440.00	2437.54	66.82	56.23	87.3	40.1	1.8	29.9
2450.00	2447.54	67.09	56.42	87.7	40.1	1.9	31.9
2460.00	2457.53	67.37	56.63	88.0	40.0	2.1	37.8
2470.00	2467.52	67.67	56.85	88.4	40.0	2.1	40.3
2480.00	2477.51	68.00	57.05	88.8	40.0	2.0	28.2
2490.00	2487.51	68.30	57.24	89.1	40.0	2.2	35.4
2500.00	2497.50	68.62	57.46	89.5	39.9	2.1	35.7
2510.00	2507.49	68.93	57.67	89.9	39.9	2.2	36.1
2520.00	2517.49	68.98	58.00	90.1	40.1	2.2	97.0
2521.00	2518.69	68.97	58.05	90.1	40.1	2.1	95.7

COMPANY: CNX GAS CO LLC
 HOLE: BH-112-A
 RIG: 90
 LOCATION: FLAT ROCK, VA

DATE STARTED: 11/11/2009
 DATE COMPLETED: 11/14/2009

ELECTRIC LOGGED: YES
 GROUTED: YES

DEPTH FROM	THICKNESS TO	FT	STRATA DESCRIPTION, VOIDS ETC
	0	20	20 OVERBURDEN
	20	30	10 SAND / SHALE
	30	60	30 SAND / SHALE
	60	90	30 SAND / SHALE
	90	120	30 SAND / SHALE
	120	150	30 SAND / SHALE
	150	180	30 SAND / SHALE
	180	198	18 SAND / SHALE
	198	201	3 VOID
	201	210	9 SAND / SHALE
	210	240	30 SAND / SHALE
	240	270	30 SAND / SHALE
	270	275	5 SHALE
	275	305	30 SAND / SHALE
	305	335	30 SHALE / COAL / SHALE
	335	365	30 SAND / SHALE
	365	395	30 SHALE / COAL / SHALE
	395	425	30 SAND / SHALE
	425	455	30 SHALE / COAL / SHALE
	455	485	30 SAND / SHALE
	485	515	30 SHALE / COAL / SHALE
	515	545	30 SHALE / SAND
	545	575	30 SAND
	575	605	30 SAND
	605	635	30 SAND / SHALE
	635	665	30 SAND / SHALE / COAL
	665	695	30 SAND / SHALE / COAL
	695	725	30 SAND / SHALE
	725	755	30 SAND / SHALE / COAL
	755	785	30 SAND / SHALE
	785	815	30 SAND / SHALE
	815	845	30 SAND / SHALE / COAL
	845	875	30 SAND / SHALE
	875	905	30 SAND / SHALE

905	935	30 SAND / SHALE
935	965	30 SAND / SHALE / COAL
965	995	30 SAND / SHALE / COAL
995	1025	30 SAND / SHALE
1025	1055	30 SAND / SHALE
1055	1085	30 SAND / SHALE
1085	1115	30 SAND / SHALE
1115	1145	30 SAND / SANDY SHALE / COAL
1145	1175	30 SAND / SANDY SHALE
1175	1205	30 SAND / SANDY SHALE
1205	1235	30 SAND / SANDY SHALE
1235	1265	30 SAND / SANDY SHALE / COAL
1265	1295	30 SAND / SANDY SHALE / COAL
1295	1325	30 SAND / SANDY SHALE
1325	1355	30 SAND / SANDY SHALE / COAL
1355	1385	30 SAND / SANDY SHALE / COAL
1385	1415	30 SAND / SANDY SHALE
1415	1445	30 SAND / SANDY SHALE / COAL
1445	1475	30 SAND / SANDY SHALE
1475	1505	30 SAND / SANDY SHALE
1505	1535	30 SAND / SANDY SHALE
1535	1565	30 SAND / SANDY SHALE
1565	1595	30 SAND / SANDY SHALE / COAL
1595	1625	30 SAND / SANDY SHALE / COAL
1625	1655	30 SAND / SHALE
1655	1685	30 SAND / SANDY SHALE / COAL
1685	1715	30 SAND / SHALE
1715	1745	30 SAND / SANDY SHALE / COAL
1745	1775	30 SAND / SHALE
1775	1805	30 SAND / SANDY SHALE / COAL
1805	1835	30 SAND / SHALE
1835	1865	30 SAND / SHALE
1865	1895	30 SAND / SHALE
1895	1925	30 SAND / SHALE / COAL
1925	1955	30 SAND / SHALE
1955	1985	30 SAND / SHALE
1985	2015	30 SAND / SHALE
2015	2045	30 SAND / SHALE / COAL
2045	2075	30 SAND / SHALE
2075	2105	30 SAND / SHALE / COAL
2105	2135	30 SAND / SHALE / COAL
2135	2165	30 SAND / SHALE
2165	2195	30 SAND / SHALE / COAL
2195	2225	30 SAND / SHALE
2225	2255	30 SAND / SHALE
2255	2285	30 SAND / SHALE / COAL
2285	2315	30 SAND / SHALE / COAL

2315	2345	30 SAND / SHALE
2345	2375	30 SAND / SHALE
2375	2405	30 SAND / SHALE
2405	2435	30 SAND / SHALE / COAL
2435	2465	30 SAND / SHALE
2465	2495	30 SAND / SHALE / COAL
2495	2525	30 SAND / SHALE
2525	2540	15 SAND / RED SHALE
2540	2555	15 SAND / SHALE

2555' TOTAL DEPTH
20' OF 13 3/8" CASING
252.9' OF 7" CASING
2357.41' OF 4 1/2" CASING