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:	2403
Company:	CNX Gas Company LLC
File Number:	RU-0590
Operations Name:	CBM AV115A W/PL
Operation Type:	Coalbed/Pipeline
Drilling Report Type:	Original

DRILLING REPORT (DGO-GO-14)

1. Drilling Data

Date drilling commenced: 11/11/2009

Drilling Contractor: NOAH HORN

Date drilling completed: 11/14/2009

Rig Type: R Rotary £ Cable

Driller's Total Depth (feet): 2465.00

Log Total Depth (feet): 2481.79

Coal Seam at Total Depth: Pocahontas

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

Permitted State Plane X: 10475438.6200

Final Plat State Plane X: 10475442.8700

Permitted State Plane Y: 3587180.3000

Final Plat State Plane Y: 3587178.9500

Plat Previously Submitted Or... £

List of Attached Items:

Description	FileName
PLAT	AV115A Plat.pdf

3. Geological Data

Fresh Water At:

Depth (in feet)	Rate	Unit of Measure

Salt Water At:

Depth (in feet)	Rate	Unit of Measure

Coal Seams:

List of Attached Items:

Description	FileName
EXHIBIT A	AV115A Exh A.pdf

Gas and Oil Shows:

List of Attached Items:

Description	FileName
GAS SHOW	AV115A 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. Survery Results (As required by 4VAC25-150-280.B.2)

List of Attached Items:

Description	FileName
DEVIATION	AV115A Dev.pdf

6. Casing and Tubing Program

List of Attached Items:

Description	FileName
CASING	AV115A 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/occurence.

Void at 657 ft; 7" casing cemented on backside to surface.

8. Drillers Log

Compiled By: NOAH HORN

List of Attached Items:

Description	FileName
DRILL DATA	AV115A Drill Data.pdf

9. Comments

10. Signature

Permitee: CNX Gas Company LLC Date: 2/1/2010

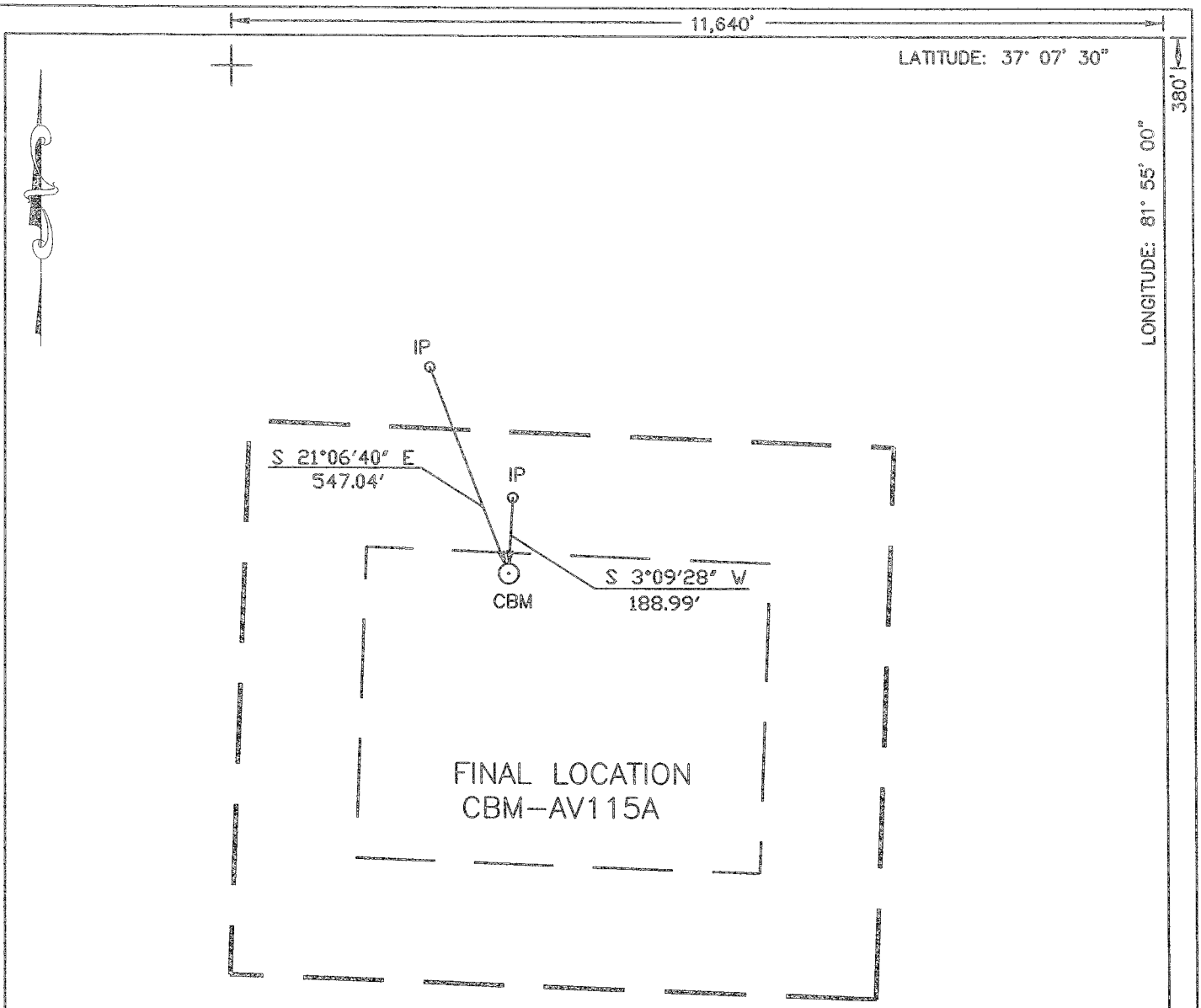
Signed By: Jerry Boothe Title: Manager

INTERNAL USE ONLY

Submit Date: 2/1/2010

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

AV115AFNL
PGP39/185-755/22

WELL LOCATION PLAT

Company CNX Gas Company LLC Well Name or Number CBM-AV115A

Tract No. BUCKHORN COAL CO. Scale: 1" = 400'

County RUSSELL District NEW GARDEN Quadrangle HONAKER Date 11-20-09

Elevation 2635.78' Well Elevation Determined By Trig. Levels From CONSOL Inc. Benchmarks

Well Coordinates N 306,300.23 E 992,455.57 (Viginia State Plane – South Zone – NAD 27)

Well Coordinates N 3,587,178.95 E 10,475,442.87 (Viginia 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

COMMONWEALTH OF VIRGINIA
L. ALLEN MITCHELL
Lic. No. 002289
11/20/09
LAND SURVEYOR
(Affix Seal)

AV115A
EXHIBIT A

HOLE NO = 09 CBM AV115A

STATE = VIRGINIA COUNTY = BUCHANAN

S ELEV = 2636

N-COOR = 306300 E-COOR = 992456

STRATA ELEV (TOP)	STRATA DEPTH FROM	TO	STRATA THICK	SEAM CODE	COMMENTS
2589.88	45.90	46.20	.30	LB1	
2589.58	46.20	180.00	133.80		
2455.78	180.00	181.60	1.60	KN2	
2454.18	181.60	206.10	24.50		
2429.68	206.10	206.80	.70	COAL	
2428.98	206.80	387.90	181.10		
2247.88	387.90	389.00	1.10	AL2	
2246.78	389.00	472.50	83.50		
2163.28	472.50	473.90	1.40	RA2	WITHIN 893 FT
2161.88	473.90	660.00	186.10		OF OLD WORKS.
1975.78	660.00	663.50	3.50	JB1	MINED OUT
1972.28	663.50	687.00	23.50		
1948.78	687.00	689.70	2.70	T1	
1946.08	689.70	768.00	78.30		
1867.78	768.00	768.20	.20	TI	
1867.58	768.20	940.00	171.80		
1695.78	940.00	940.80	.80	*US1	
1694.98	940.80	955.10	14.30		
1680.68	955.10	956.70	1.60	*LC3	
1679.08	956.70	958.10	1.40	*LC4	
1677.68	958.10	1097.80	139.70		
1537.98	1097.80	1100.20	2.40	*GC1	
1535.58	1100.20	1196.00	95.80		
1439.78	1196.00	1196.80	.80	*SE1	
1438.98	1196.80	1227.30	30.50		
1408.48	1227.30	1228.60	1.30	*SE2	
1407.18	1228.60	1238.70	10.10		
1397.08	1238.70	1238.90	.20	*COAL	
1396.88	1238.90	1270.00	31.10		
1365.78	1270.00	1271.80	1.80	*LS1	
1363.98	1271.80	1336.90	65.10		
1298.88	1336.90	1337.60	.70	*UH1	
1298.18	1337.60	1371.50	33.90		
1264.28	1371.50	1371.80	.30	*COAL	
1263.98	1371.80	1385.10	13.30		
1250.68	1385.10	1386.70	1.60	*UH2	
1249.08	1386.70	1388.10	1.40	*UH3	
1247.68	1388.10	1445.00	56.90		
1190.78	1445.00	1446.40	1.40	*MH1	
1189.38	1446.40	1506.40	60.00		
1129.38	1506.40	1506.90	.50	*MH2	
1128.88	1506.90	1551.00	44.10		
1084.78	1551.00	1553.00	2.00	*P11	
1082.78	1553.00	1575.80	22.80		
1059.98	1575.80	1576.80	1.00	*P10	
1058.98	1576.80	1604.50	27.70		
1031.28	1604.50	1605.10	.60	*LH1	
1030.68	1605.10	1720.90	115.80		
914.88	1720.90	1722.10	1.20	*P81	
913.68	1722.10	1739.00	16.90		

AV115A

896.78	1739.00	1739.70	.70	*P71
896.08	1739.70	1743.10	3.40	
892.68	1743.10	1743.90	.80	*COAL
891.88	1743.90	1858.20	114.30	
777.58	1858.20	1859.90	1.70	*P72
775.88	1859.90	1860.30	.40	
775.48	1860.30	1860.90	.60	*COAL
774.88	1860.90	1892.00	31.10	
743.78	1892.00	1892.70	.70	*COAL
743.08	1892.70	2042.90	150.20	
592.88	2042.90	2043.80	.90	*P51
591.98	2043.80	2115.20	71.40	
520.58	2115.20	2116.80	1.60	*P41
518.98	2116.80	2139.00	22.20	
496.78	2139.00	2139.90	.90	*P42
495.88	2139.90	2184.00	44.10	
451.78	2184.00	2185.00	1.00	*P31
450.78	2185.00	2296.80	111.80	
338.98	2296.80	2297.10	.30	*P01
338.68	2297.10	2481.79	184.69	
				BOTTOM HOLE

COAL SEAMS TO BE STIMULATED WERE ADJUSTED DUE TO TOPOGRAPHY.
GAMMA-CALIPER LOG FROM 0 TO 718.50
GAMMA-DENSITY LOG FROM 718.50 TO TD.
NOTE: FOOTAGE NOT ADJUSTED FOR DEVIATION

Well: **AV115A**

Oil & Gas Show

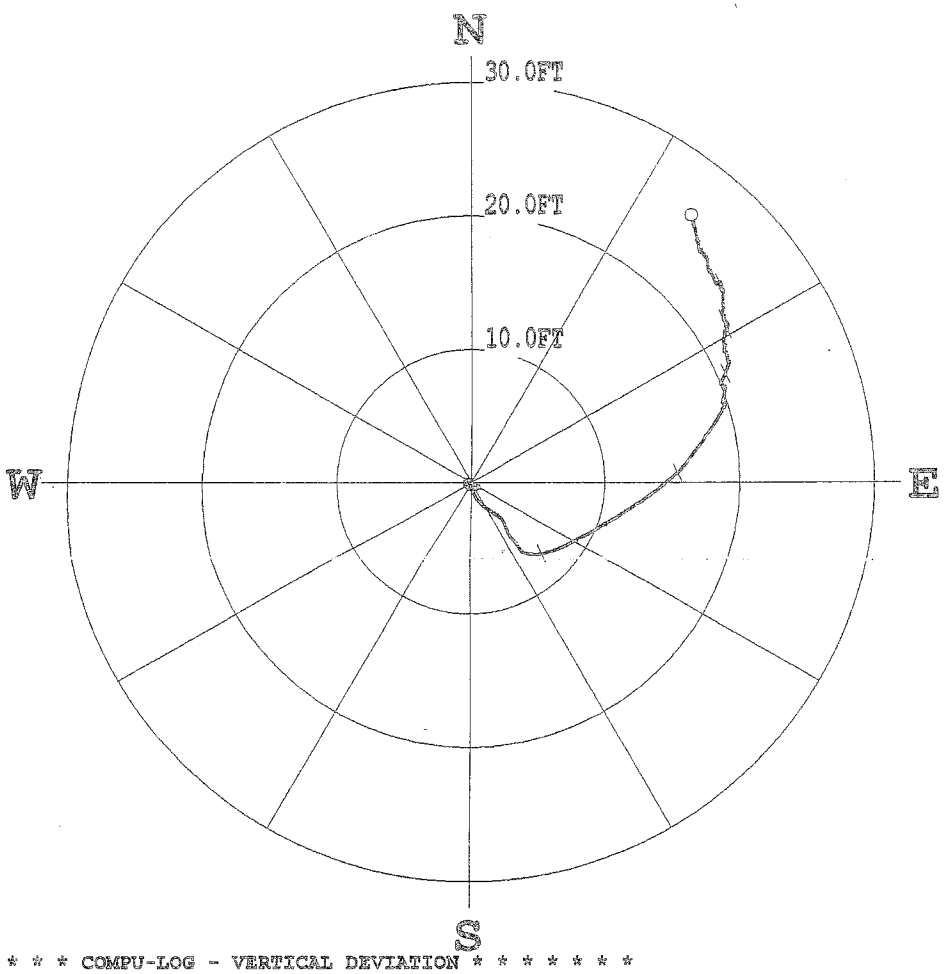
Formation	Top	Bottom	Thickness	IPF (MCFD/BOPD)	Pressure	Hours Tested
Lee/Norton	955.1	1722.1	767.0			
Pocahontas	1858.2	2185.0	326.8			
Total IPF				NOT TAKEN		

PLAN VIEW
COMPU-LOG DEVIATION

LIENT: CONSOL ENERGY
OCATION:
OLE ID: 09-CNX-AV-115-A
ATE OF LOG: 11/14/09
ROBE: 9136CA 9

MAG DECL: -6.2

SCALE: 10 FT/IN
TRUE DEPTH: 2480.24 FT
AZIMUTH: 39.3
DISTANCE: 25.9 FT
+ = 300 FT INCR
○ = BOTTOM OF HOLE



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

CLIENT : CONSOL ENERGY
FIELD OFFICE :
DATA FROM :
MAG. DECL. : -6.200
HOLE ID. : 09-CNX-AV-115
DATE OF LOG : 11/14/09
PROBE : 9136CA , 9
DEPTH UNITS : FEET
LOG: 09-CNX-AV-115-A_11-14-09_06-34_9136CA_.02_0.00_2480.89_DEVI.log

BLE DEPTH	TRUE DEPTH	NORTH DEV.	EAST DEV.	DISTANCE	AZIMUTH	SANG	SANGB
50.00	50.00	0.19	-0.36	0.4	298.7	0.9	250.8
60.00	59.99	0.10	-0.48	0.5	282.0	0.9	213.2
70.00	69.99	-0.06	-0.52	0.5	263.8	1.1	174.2
80.00	79.99	-0.21	-0.47	0.5	245.4	0.9	151.4
90.00	89.99	-0.34	-0.36	0.5	226.3	0.9	132.0
100.00	99.99	-0.43	-0.21	0.5	205.7	0.9	104.5
110.00	109.99	-0.48	-0.04	0.5	185.2	1.0	101.3
120.00	119.99	-0.50	0.12	0.5	166.8	0.9	91.5
130.00	129.98	-0.50	0.27	0.6	151.9	0.8	89.2
140.00	139.98	-0.47	0.40	0.6	139.7	0.7	72.0
150.00	149.98	-0.43	0.52	0.7	129.8	0.7	73.8
160.00	159.98	-0.37	0.59	0.7	121.9	0.5	38.9
170.00	169.98	-0.30	0.59	0.7	116.5	0.4	323.2
180.00	179.98	-0.23	0.53	0.6	113.5	0.6	298.7
190.00	189.98	-0.20	0.42	0.5	115.4	0.7	275.1
200.00	199.98	-0.20	0.28	0.3	124.6	1.0	246.5
210.00	209.98	-0.30	0.15	0.3	153.4	1.0	221.5
220.00	219.98	-0.47	0.10	0.5	167.9	1.2	177.7
230.00	229.97	-0.68	0.14	0.7	168.6	1.2	162.4
240.00	239.97	-0.88	0.21	0.9	166.4	1.3	155.4
250.00	249.97	-1.08	0.32	1.1	163.4	1.2	143.7
260.00	259.97	-1.26	0.46	1.3	159.7	1.3	136.4
270.00	269.96	-1.42	0.61	1.5	156.6	1.2	132.0
280.00	279.96	-1.60	0.77	1.8	154.3	1.4	137.9

80.00	79.99	-0.21	-0.47	0.5	245.4	0.9	151.4
90.00	89.99	-0.34	-0.36	0.5	226.3	0.9	132.0
100.00	99.99	-0.43	-0.21	0.5	205.7	0.9	104.5
110.00	109.99	-0.48	-0.04	0.5	185.2	1.0	101.3
120.00	119.99	-0.50	0.12	0.5	166.6	0.9	91.5
130.00	129.98	-0.50	0.27	0.6	151.9	0.8	89.2
140.00	139.98	-0.47	0.40	0.6	139.7	0.7	72.0
150.00	149.98	-0.43	0.52	0.7	129.8	0.7	73.8
160.00	159.98	-0.37	0.59	0.7	121.9	0.5	38.9
170.00	169.98	-0.30	0.59	0.7	116.5	0.4	323.2
180.00	179.98	-0.23	0.53	0.6	113.5	0.6	290.7
190.00	189.98	-0.20	0.42	0.5	115.4	0.7	275.1
200.00	199.98	-0.20	0.28	0.3	124.6	1.0	246.5
210.00	209.98	-0.30	0.15	0.3	153.4	1.0	221.5
220.00	219.98	-0.47	0.10	0.5	167.9	1.2	177.7
230.00	229.97	-0.68	0.14	0.7	168.6	1.2	162.4
240.00	239.97	-0.88	0.21	0.9	166.4	1.3	155.4
250.00	249.97	-1.08	0.32	1.1	163.4	1.2	143.7
260.00	259.97	-1.26	0.46	1.3	159.7	1.3	136.4
270.00	269.96	-1.42	0.61	1.5	156.6	1.2	132.0
280.00	279.96	-1.60	0.77	1.8	154.3	1.4	137.9
290.00	289.96	-1.75	0.93	2.0	152.1	1.2	136.4
300.00	299.96	-1.89	1.11	2.2	149.6	1.3	122.4
310.00	309.95	-2.00	1.29	2.4	147.3	1.1	119.4
320.00	319.95	-2.13	1.47	2.6	145.4	1.4	123.8
330.00	329.95	-2.27	1.68	2.8	143.6	1.6	134.8
340.00	339.95	-2.40	1.88	3.0	142.0	1.2	117.5
350.00	349.94	-2.52	2.06	3.3	140.8	1.4	127.6
360.00	359.94	-2.66	2.24	3.5	139.9	1.1	131.3
370.00	369.94	-2.82	2.37	3.7	140.0	1.2	149.0
380.00	379.94	-3.01	2.47	3.9	140.7	1.4	151.4
390.00	389.93	-3.20	2.55	4.1	141.4	1.1	159.6
400.00	399.93	-3.37	2.61	4.3	142.2	1.2	153.1
410.00	409.93	-3.55	2.70	4.5	142.7	1.1	159.3
420.00	419.93	-3.71	2.76	4.6	143.3	0.9	160.7
430.00	429.93	-3.86	2.84	4.8	143.7	1.1	147.6
440.00	439.93	-4.02	2.93	5.0	143.9	1.1	144.5
450.00	449.92	-4.16	3.07	5.2	143.6	1.1	132.2
460.00	459.92	-4.30	3.18	5.4	143.5	1.0	136.3
470.00	469.92	-4.44	3.29	5.5	143.4	1.0	142.0
480.00	479.92	-4.57	3.40	5.7	143.3	1.0	138.0
490.00	489.92	-4.70	3.50	5.9	143.4	1.0	144.7
500.00	499.92	-4.83	3.58	6.0	143.5	0.8	150.6
510.00	509.92	-4.95	3.64	6.1	143.7	0.9	136.6
520.00	519.91	-5.06	3.69	6.3	143.9	0.8	144.0
530.00	529.91	-5.16	3.80	6.4	143.7	0.7	153.2
540.00	539.91	-5.26	3.84	6.5	143.8	0.7	137.3
550.00	549.91	-5.33	4.01	6.7	143.1	1.4	103.4
560.00	559.91	-5.40	4.21	6.8	142.0	1.3	108.3
570.00	569.91	-5.44	4.46	7.0	140.6	1.6	95.9
580.00	579.90	-5.47	4.72	7.2	139.2	1.4	98.3
590.00	589.90	-5.47	5.00	7.4	137.6	1.6	85.9
600.00	599.89	-5.44	5.31	7.6	135.7	2.0	80.0
610.00	609.89	-5.35	5.67	7.8	133.3	2.3	74.3
620.00	619.88	-5.23	6.07	8.0	130.7	2.5	70.7
630.00	629.87	-5.07	6.49	8.2	128.0	2.7	66.4
640.00	639.86	-4.86	6.92	8.5	125.1	2.7	63.7
650.00	649.84	-4.63	7.36	8.7	122.2	2.7	62.1
660.00	659.83	-4.42	7.76	8.9	119.7	3.3	50.7
670.00	669.82	-4.21	8.09	9.1	117.5	1.7	64.7
680.00	679.81	-4.00	8.52	9.4	115.2	3.2	63.4
690.00	689.80	-3.75	8.99	9.7	112.6	2.4	53.7
700.00	699.79	-3.49	9.39	10.0	110.4	2.9	54.2
710.00	709.77	-3.21	9.80	10.3	108.1	3.0	56.6
720.00	719.76	-3.10	10.06	10.5	107.1	2.2	52.3
730.00	729.75	-2.98	10.19	10.6	106.3	2.3	61.7
740.00	739.75	-2.79	10.50	10.9	104.9	1.7	53.6
750.00	749.74	-2.60	10.84	11.1	103.5	2.2	60.3
760.00	759.73	-2.37	11.15	11.4	102.0	2.3	53.3
770.00	769.73	-2.17	11.47	11.7	100.7	2.2	51.1
780.00	779.72	-1.97	11.80	12.0	99.5	2.2	57.8
790.00	789.71	-1.75	12.12	12.2	98.2	2.2	42.5
800.00	799.70	-1.51	12.43	12.5	96.9	2.3	78.4
810.00	809.70	-1.32	12.74	12.8	95.9	2.3	50.4
820.00	819.69	-1.08	13.04	13.1	94.8	2.0	58.7
830.00	829.68	-0.88	13.35	13.4	93.8	2.1	49.5
840.00	839.67	-0.66	13.65	13.7	92.8	2.1	55.0
850.00	849.67	-0.43	13.95	14.0	91.8	2.3	48.0
860.00	859.66	-0.20	14.23	14.2	90.8	2.0	54.0
870.00	869.65	0.05	14.49	14.5	89.8	2.1	44.2
880.00	879.65	0.25	14.79	14.8	89.0	2.0	52.4
890.00	889.64	0.49	15.04	15.1	88.1	2.0	48.9
900.00	899.64	0.72	15.31	15.3	87.3	2.0	47.2
910.00	909.63	0.96	15.56	15.6	86.5	2.0	45.0
920.00	919.62	1.22	15.79	15.8	85.6	2.0	38.8
930.00	929.62	1.49	16.01	16.1	84.7	2.1	37.3
940.00	939.61	1.79	16.23	16.3	83.7	2.2	26.3
950.00	949.60	2.08	16.44	16.6	82.8	2.1	30.8
960.00	959.60	2.37	16.67	16.8	81.9	2.3	34.6
970.00	969.59	2.67	16.89	17.1	81.0	2.1	38.3
980.00	979.58	2.97	17.11	17.4	80.2	2.0	37.9
990.00	989.58	3.27	17.33	17.6	79.3	2.1	31.3
1000.00	999.57	3.58	17.50	17.9	78.4	2.2	63.2
1010.00	1009.56	3.84	17.72	18.1	77.8	2.0	29.6
1020.00	1019.56	4.14	17.90	18.4	77.0	2.0	36.7
1030.00	1029.55	4.42	18.09	18.6	76.3	1.9	36.9
1040.00	1039.55	4.69	18.26	18.9	75.6	1.9	26.9

990.00	989.58	3.27	17.33	17.6	79.5	2.1	31.3
1000.00	999.57	3.58	17.50	17.9	78.4	2.2	63.2
1010.00	1009.56	3.84	17.72	18.1	77.8	2.0	29.6
1020.00	1019.56	4.14	17.90	18.4	77.0	2.0	36.7
1030.00	1029.55	4.42	18.09	18.6	76.3	1.9	36.9
1040.00	1039.55	4.69	18.26	18.9	75.6	1.9	26.9
1050.00	1049.54	4.99	18.40	19.1	74.8	1.8	24.8
1060.00	1059.54	5.23	18.59	19.3	74.3	1.6	34.3
1070.00	1069.53	5.52	18.68	19.5	73.5	1.9	28.6
1080.00	1079.53	5.75	18.86	19.7	73.1	1.5	29.7
1090.00	1089.52	5.98	18.88	19.8	72.4	1.7	246.6
1100.00	1099.52	6.04	18.70	19.6	72.1	2.0	5.9
1110.00	1109.51	6.37	18.73	19.8	71.2	1.8	34.2
1120.00	1119.51	6.63	18.81	19.9	70.6	1.7	8.7
1130.00	1129.50	6.92	18.87	20.1	69.9	1.6	12.3
1140.00	1139.50	7.18	18.88	20.2	69.2	1.7	295.5
1150.00	1149.50	7.34	18.70	20.1	68.6	1.1	359.5
1160.00	1159.50	7.40	18.54	20.0	68.2	1.3	345.2
1170.00	1169.49	7.59	18.64	20.1	67.8	1.1	31.3
1180.00	1179.49	7.78	18.71	20.3	67.4	1.2	17.2
1190.00	1189.49	7.96	18.80	20.4	67.1	1.1	35.7
1200.00	1199.49	8.17	18.89	20.6	66.6	1.4	20.4
1210.00	1209.48	8.38	18.95	20.7	66.1	1.2	5.6
1220.00	1219.48	8.57	19.03	20.9	65.7	1.1	357.4
1230.00	1229.48	8.74	19.10	21.0	65.4	1.3	45.8
1240.00	1239.48	8.92	19.17	21.1	65.1	1.0	28.7
1250.00	1249.48	9.07	19.23	21.3	64.8	1.0	0.4
1260.00	1259.47	9.06	19.09	21.1	64.6	0.9	347.2
1270.00	1269.47	9.20	19.07	21.2	64.2	0.9	352.5
1280.00	1279.47	9.36	19.04	21.2	63.8	1.0	352.5
1290.00	1289.47	9.53	19.02	21.3	63.4	0.8	352.2
1300.00	1299.47	9.67	19.00	21.3	63.0	0.9	352.5
1310.00	1309.47	9.79	18.94	21.3	62.7	1.0	261.6
1320.00	1319.47	9.84	18.84	21.3	62.4	0.6	2.8
1330.00	1329.47	9.94	18.83	21.3	62.2	0.5	339.4
1340.00	1339.47	9.95	18.76	21.2	62.1	0.7	18.2
1350.00	1349.47	10.08	18.81	21.3	61.8	0.9	10.9
1360.00	1359.46	10.20	18.87	21.4	61.6	0.7	33.0
1370.00	1369.46	10.31	18.90	21.5	61.4	0.9	217.1
1380.00	1379.46	10.34	18.81	21.5	61.2	0.7	2.6
1390.00	1389.46	10.46	18.77	21.5	60.9	1.1	359.8
1400.00	1399.46	10.62	18.79	21.6	60.5	0.8	2.6
1410.00	1409.46	10.75	18.80	21.7	60.2	0.8	8.7
1420.00	1419.46	10.90	18.82	21.7	59.9	0.9	9.0
1430.00	1429.46	11.03	18.84	21.8	59.7	0.8	7.0
1440.00	1439.46	11.19	18.86	21.9	59.3	0.9	2.8
1450.00	1449.46	11.31	18.84	22.0	59.0	0.9	251.9
1460.00	1459.45	11.25	18.81	21.9	59.1	0.4	22.5
1470.00	1469.45	11.30	18.86	22.0	59.1	0.5	54.0
1480.00	1479.45	11.35	18.91	22.1	59.0	0.4	46.8
1490.00	1489.45	11.41	18.97	22.1	59.0	0.4	48.5
1500.00	1499.45	11.47	19.02	22.2	58.9	0.5	46.5
1510.00	1509.45	11.52	19.07	22.3	58.9	0.5	44.7
1520.00	1519.45	11.61	19.11	22.4	58.7	0.5	14.8
1530.00	1529.45	11.63	19.03	22.3	58.6	0.7	298.4
1540.00	1539.45	11.71	19.00	22.3	58.4	0.5	339.2
1550.00	1549.45	11.70	18.91	22.2	58.3	0.2	229.8
1560.00	1559.45	11.70	18.92	22.2	58.3	0.4	26.2
1570.00	1569.45	11.72	18.95	22.3	58.3	0.2	63.0
1580.00	1579.45	11.72	18.99	22.3	58.3	0.3	55.2
1590.00	1589.45	11.74	19.02	22.4	58.3	0.2	71.6
1600.00	1599.45	11.75	19.06	22.4	58.3	0.2	86.1
1610.00	1609.45	11.76	19.10	22.4	58.4	0.2	94.2
1620.00	1619.45	11.79	19.11	22.5	58.3	0.3	329.5
1630.00	1629.45	11.84	19.09	22.5	58.2	0.3	328.5
1640.00	1639.45	11.87	19.06	22.5	58.1	0.2	314.2
1650.00	1649.45	11.89	19.02	22.4	58.0	0.3	289.5
1660.00	1659.45	11.90	18.98	22.4	57.9	0.3	198.9
1670.00	1669.45	11.87	18.96	22.4	57.9	0.0	233.3
1680.00	1679.45	11.85	18.95	22.4	58.0	0.1	183.0
1690.00	1689.45	11.84	18.95	22.3	58.0	0.1	270.2
1700.00	1699.45	11.84	18.96	22.4	58.0	0.1	4.0
1710.00	1709.45	11.86	19.00	22.4	58.0	0.2	43.2
1720.00	1719.45	11.89	19.02	22.4	58.0	0.2	41.3
1730.00	1729.45	11.92	19.04	22.5	57.9	0.2	340.2
1740.00	1739.45	11.96	19.00	22.4	57.8	0.4	336.7
1750.00	1749.45	12.03	18.97	22.5	57.6	0.4	339.9
1760.00	1759.45	12.09	18.91	22.4	57.4	0.5	304.6
1770.00	1769.45	12.13	18.87	22.4	57.3	0.3	312.1
1780.00	1779.45	12.18	18.83	22.4	57.1	0.4	324.1
1790.00	1789.45	12.24	18.78	22.4	56.9	0.5	323.9
1800.00	1799.45	12.29	18.73	22.4	56.7	0.5	331.0
1810.00	1809.45	12.28	18.74	22.4	56.8	0.5	135.7
1820.00	1819.45	12.30	18.77	22.4	56.8	0.3	31.0
1830.00	1829.45	12.35	18.80	22.5	56.7	0.3	29.9
1840.00	1839.45	12.41	18.82	22.5	56.6	0.4	32.6
1850.00	1849.45	12.47	18.84	22.6	56.5	0.4	345.6
1860.00	1859.45	12.47	18.78	22.5	56.4	0.3	327.5
1870.00	1869.45	12.54	18.73	22.5	56.2	0.6	334.3
1880.00	1879.45	12.62	18.67	22.5	55.9	0.5	316.6
1890.00	1889.44	12.63	18.65	22.5	55.9	0.7	145.2
1900.00	1899.44	12.64	18.67	22.5	55.9	0.3	2.2
1910.00	1909.44	12.73	18.68	22.6	55.7	0.7	7.2
1920.00	1919.44	12.83	18.69	22.7	55.5	0.6	6.7
1930.00	1929.44	12.93	18.71	22.7	55.4	0.4	8.5
1940.00	1939.44	13.04	18.71	22.8	55.1	0.6	15.4
1950.00	1949.44	13.16	18.72	22.9	54.9	0.7	4.8
1960.00	1959.44	13.29	18.73	23.0	54.6	0.8	6.1

1790.00	1789.45	12.24	18.78	22.4	56.9	0.5	323.9
1800.00	1799.45	12.29	18.73	22.4	56.7	0.5	331.0
1810.00	1809.45	12.28	18.74	22.4	56.8	0.5	135.7
1820.00	1819.45	12.30	18.77	22.4	56.8	0.3	31.0
1830.00	1829.45	12.35	18.80	22.5	56.7	0.3	29.9
1840.00	1839.45	12.41	18.82	22.5	56.6	0.4	32.6
1850.00	1849.45	12.47	18.84	22.6	56.5	0.4	345.6
1860.00	1859.45	12.47	18.78	22.5	56.4	0.3	327.5
1870.00	1869.45	12.54	18.73	22.5	56.2	0.6	334.3
1880.00	1879.45	12.62	18.67	22.5	55.9	0.5	316.6
1890.00	1889.44	12.63	18.65	22.5	55.9	0.7	145.2
1900.00	1899.44	12.64	18.67	22.5	55.9	0.3	2.2
1910.00	1909.44	12.73	18.69	22.6	55.7	0.7	7.2
1920.00	1919.44	12.83	18.69	22.7	55.5	0.6	6.7
1930.00	1929.44	12.93	18.71	22.7	55.4	0.4	8.5
1940.00	1939.44	13.04	18.71	22.8	55.1	0.6	15.4
1950.00	1949.44	13.16	18.72	22.9	54.9	0.7	4.8
1960.00	1959.44	13.29	18.72	23.0	54.6	0.8	6.1
1970.00	1969.44	13.44	18.73	23.0	54.3	0.9	0.9
1980.00	1979.44	13.59	18.73	23.1	54.0	0.9	359.5
1990.00	1989.44	13.75	18.73	23.2	53.7	0.9	357.3
2000.00	1999.44	13.90	18.73	23.3	53.4	0.9	0.8
2010.00	2009.43	14.05	18.74	23.4	53.1	0.9	1.0
2020.00	2019.43	14.21	18.74	23.5	52.8	0.8	3.2
2030.00	2029.43	14.36	18.75	23.6	52.6	0.9	11.2
2040.00	2039.43	14.44	18.70	23.6	52.3	0.9	210.7
2050.00	2049.43	14.46	18.60	23.6	52.1	1.1	329.5
2060.00	2059.43	14.66	18.52	23.6	51.6	1.1	341.4
2070.00	2069.42	14.63	18.58	23.6	51.8	1.4	134.9
2080.00	2079.42	14.73	18.59	23.7	51.6	1.0	358.8
2090.00	2089.42	14.91	18.58	23.8	51.2	0.9	0.6
2100.00	2099.42	15.02	18.50	23.8	50.9	1.0	226.8
2110.00	2109.42	14.99	18.35	23.7	50.8	1.3	252.8
2120.00	2119.42	14.97	18.17	23.5	50.5	0.6	347.9
2130.00	2129.41	15.11	18.12	23.6	50.2	1.1	340.1
2140.00	2139.41	15.31	18.04	23.7	49.7	1.2	332.7
2150.00	2149.41	15.45	17.98	23.7	49.3	0.9	337.6
2160.00	2159.41	15.60	17.91	23.8	49.0	0.9	330.3
2170.00	2169.41	15.74	17.85	23.8	48.6	0.9	332.6
2180.00	2179.41	15.90	17.78	23.9	48.2	1.1	335.7
2190.00	2189.41	15.87	17.67	23.7	48.1	0.6	274.2
2200.00	2199.40	16.02	17.64	23.8	47.7	1.1	356.3
2210.00	2209.40	16.20	17.60	23.9	47.4	1.1	325.3
2220.00	2219.40	16.37	17.58	24.0	47.0	0.8	344.0
2230.00	2229.40	16.52	17.56	24.1	46.7	0.7	343.6
2240.00	2239.40	16.66	17.56	24.2	46.5	0.7	2.3
2250.00	2249.40	16.80	17.54	24.3	46.2	0.9	356.5
2260.00	2259.40	16.87	17.52	24.3	46.1	0.7	182.5
2270.00	2269.40	16.86	17.47	24.3	46.0	0.8	332.5
2280.00	2279.39	16.99	17.37	24.3	45.6	1.1	330.3
2290.00	2289.39	17.16	17.26	24.3	45.2	1.3	287.7
2300.00	2299.39	17.32	17.15	24.4	44.7	1.0	348.0
2310.00	2309.39	17.45	17.04	24.4	44.3	1.1	247.4
2320.00	2319.39	17.31	16.99	24.3	44.5	1.0	334.3
2330.00	2329.38	17.47	16.93	24.3	44.1	1.0	337.4
2340.00	2339.38	17.64	16.88	24.4	43.7	0.9	345.2
2350.00	2349.38	17.81	16.85	24.5	43.4	0.9	345.8
2360.00	2359.38	17.98	16.82	24.6	43.1	1.1	346.9
2370.00	2369.38	18.15	16.78	24.7	42.8	0.8	350.3
2380.00	2379.38	18.33	16.75	24.8	42.4	1.3	338.7
2390.00	2389.38	18.51	16.71	24.9	42.1	1.1	350.5
2400.00	2399.37	18.68	16.68	25.0	41.8	0.9	356.0
2410.00	2409.37	18.85	16.65	25.2	41.5	1.1	338.3
2420.00	2419.37	19.04	16.61	25.3	41.1	0.9	357.0
2430.00	2429.37	19.21	16.58	25.4	40.8	1.1	340.9
2440.00	2439.37	19.39	16.54	25.5	40.5	1.0	0.7
2450.00	2449.37	19.56	16.51	25.6	40.2	1.1	349.8
2460.00	2459.36	19.75	16.48	25.7	39.8	1.0	349.4
2470.00	2469.36	19.93	16.42	25.8	39.5	1.2	345.2
2480.00	2479.36	20.01	16.35	25.8	39.3	1.1	13.9
2480.88	2480.24	20.01	16.36	25.8	39.3	0.9	92.2

Well: **AV115A**

Casing & Tubing Program

	Casing	Casing Interval	Hole Size	Cement used in cu/ft	Cemented to Surface Yes	Cemented to Surface No	Date Cemented	Packers or Bridge Plugs
Conductor	13 3/8"	26.28	15"			X	11/11/09	
Surface	7"	720.27	8 7/8"	180	X		11/12/09	Basket@508
Water Protection	4 1/2"	2247.40	6 1/2"	341.6	X		11/14/09	
Coal Protection	4 1/2"	2247.40	6 1/2"	341.6	X		11/14/09	
Other Casing & Tubing								
Other Casing & Tubing								
Liners								

COMPANY: CNX GAS CO LLC
HOLE: AV-115-A
RIG: 243
LOCATION: BOSTIC STRIP, 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	26.28	26.28	OVERBURDEN
26.28	30	3.72	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 / COAL
180	210	30	SAND / SHALE / COAL
210	240	30	SAND / SHALE
240	270	30	SAND / SHALE
270	300	30	SAND / SHALE
300	330	30	SAND / SHALE / COAL
330	360	30	SAND / SHALE / COAL
360	390	30	SAND / SHALE / COAL
390	420	30	SAND / SHALE
420	450	30	SAND / SHALE
450	480	30	SAND / SHALE / COAL
480	510	30	SAND / SHALE
510	540	30	SAND / SHALE / COAL
540	570	30	SAND / SHALE / COAL
570	600	30	SANDY SHALE / SAND
600	630	30	SAND / SANDY SHALE
630	657	27	SANDY SHALE / SAND
657	662	5	VOID
662	690	28	SANDY SHALE / COAL / SAND
690	720	30	SAND / COAL / SANDY SHALE
720	740	20	SANDY SHALE / COAL / SANDY SHALE
740	755	15	SAND / SHALE
755	785	30	SAND / SHALE / COAL
785	815	30	SAND / SHALE
815	845	30	SAND / SHALE
845	875	30	SAND / SHALE
875	905	30	SAND / SHALE
905	935	30	SAND / SHALE / COAL
935	965	30	SAND / SHALE / COAL
965	995	30	SAND / SHALE / COAL

995	1025	30	SAND / SHALE
1025	1055	30	SAND / SANDY SHALE
1055	1085	30	SANDY SHALE
1085	1115	30	SANDY SHALE / COAL / SAND
1115	1145	30	SAND / SANDY SHALE
1145	1175	30	SANDY SHALE
1175	1205	30	SANDY SHALE / COAL / SAND
1205	1235	30	SAND / SANDY SHALE
1235	1265	30	SANDY SHALE / COAL / SAND
1265	1295	30	SAND
1295	1325	30	SAND / SANDY SHALE
1325	1355	30	SANDY SHALE
1355	1385	30	SANDY SHALE / COAL / SAND
1385	1415	30	SAND / SANDY SHALE
1415	1445	30	SANDY SHALE / SAND
1445	1475	30	SAND / COAL / SANDY SHALE
1475	1505	30	SANDY SHALE
1505	1535	30	SANDY SHALE / SAND
1535	1565	30	SAND / COAL / SANDY SHALE
1565	1595	30	SANDY SHALE / SAND
1595	1625	30	SAND
1625	1655	30	SAND
1655	1685	30	SAND / SANDY SHALE
1685	1715	30	SANDY SHALE / SAND
1715	1745	30	SAND / SANDY SHALE
1745	1775	30	SANDY SHALE
1775	1805	30	SANDY SHALE / SAND
1805	1835	30	SAND / SANDY SHALE
1835	1865	30	SANDY SHALE / COAL / SAND
1865	1895	30	SAND / SANDY SHALE
1895	1925	30	SANDY SHALE / COAL / SANDY SHALE
1925	1955	30	SANDY SHALE
1955	1985	30	SANDY SHALE / SAND
1985	2015	30	SAND
2015	2045	30	SAND / COAL / SANDY SHALE
2045	2075	30	SAND
2075	2105	30	SAND
2105	2135	30	SAND
2135	2165	30	SAND / SANDY SHALE
2165	2173	8	SANDY SHALE / COAL / SAND
2173	2175	2	POCA 3 COAL
2175	2195	20	SANDY SHALE / COAL / SAND
2195	2225	30	SAND / SANDY SHALE
2225	2255	30	SANDY SHALE / SAND
2255	2285	30	SANDY SHALE
2285	2315	30	SANDY SHALE / COAL
2315	2345	30	SANDY SHALE / SAND

2345	2375	30 SANDY SHALE
2375	2405	30 SAND / SHALE / COAL
2405	2435	30 SAND / SHALE
2435	2465	30 SAND / SHALE

2465' TOTAL DEPTH
26.28' OF 13 3/8" CASING
720.27' OF 7" CASING
2247.4' OF 4 1/2" CASING