



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>2413</u>
Company:	<u>CNX Gas Company LLC</u>
File Number:	<u>RU-0588</u>
Operations Name:	<u>CBM AW115A 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>10/29/2009</u>	Drilling Contractor:	<u>Noah Horn</u>
Date drilling completed:	<u>11/3/2009</u>	Rig Type:	<input checked="" type="checkbox"/> Rotary <input type="checkbox"/> Cable
Driller's Total Depth (feet):	<u>2309.10</u>		
Log Total Depth (feet):	<u>2280.42</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>10475850.1200</u>	Final Plat State Plane X:	<u>10475848.1100</u>
Permitted State Plane Y:	<u>3584974.5500</u>	Final Plat State Plane Y:	<u>3584982.2200</u>

Plat Previously Submitted Or...

List of Attached Items:

Description	FileName
PLAT	AW115A Plat.pdf

3. Geological Data

Fresh Water At:

Depth (in feet)	Rate	Unit of Measure
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Salt Water At:

Depth (in feet)	Rate	Unit of Measure
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Coal Seams:

List of Attached Items:

Description	FileName
EXHIBIT A	AW115A Exh A.pdf

Gas and Oil Shows:

List of Attached Items:

Description	FileName
GAS SHOW	AW115A 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	AW115A Dev.pdf

6. Casing and Tubing Program

List of Attached Items:

Description	FileName
CASING	AW115A 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 472 ft; 7" casing cemented on backside to surface.

8. Drillers Log

Compiled By: NOAH HORN

List of Attached Items:

Description	FileName
DRILL DATA	AW115A Drill Data.pdf

9. Comments

10. Signature

Permittee: CNX Gas Company LLC Date: 2/9/2010

Signed By: Jerry Boothe Title: Manager

INTERNAL USE ONLY

Submit Date: 2/9/2010

Status: A Date: 2/26/2010

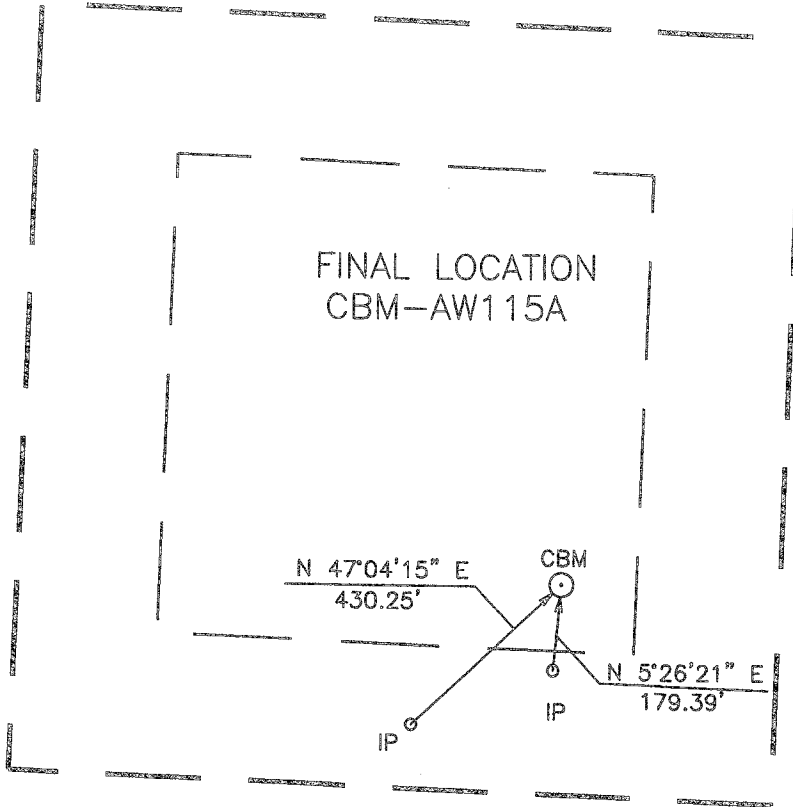
Final PDF Date: 2/26/2010

11,145'

LATITUDE: 37° 07' 30"

LONGITUDE: 81° 58' 00"

2,565'



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

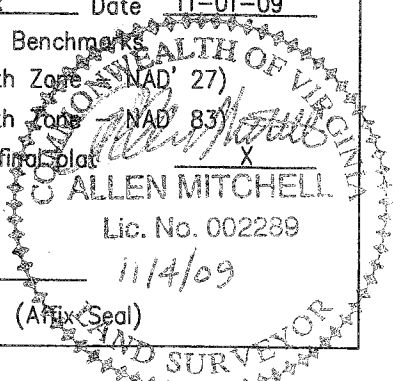
AW115AFNL
 PGP37/151-742/24

Company CNX Gas Company LLC Well Name or Number CBM-AW115A
 Tract No. BUCKHORN COAL CO. Scale: 1" = 400'
 County RUSSELL District NEW GARDEN Quadrangle HONAKER Date 11-01-09
 Elevation 2470.80 Well Elevation Determined By Trig. Levels From CONSOL Inc. Benchmarks
 Well Coordinates N 304,103.55 E 992,860.79 (Virginia State Plane - South Zone - NAD' 27)
 Well Coordinates N 3,584,982.22 E 10,475,848.11 (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)

AW115A
EXHIBIT A

HOLE NO = 09 CBM AW115A

STATE = VIRGINIA COUNTY = BUCHANAN

S ELEV = 2471

N-COOR = 304104 E-COOR = 992861

STRATA ELEV (TOP)	STRATA FROM	DEPTH TO	STRATA THICK	SEAM CODE	COMMENTS
2444.90	25.90	26.20	.30	KN2	
2444.60	26.20	134.10	107.90		
2336.70	134.10	134.90	.80	COAL	
2335.90	134.90	165.20	30.30		
2305.60	165.20	166.00	.80	COAL	
2304.80	166.00	181.20	15.20		
2289.60	181.20	183.00	1.80	AL1	
2287.80	183.00	203.90	20.90		
2266.90	203.90	205.90	2.00	AL2	
2264.90	205.90	288.90	83.00		
2181.90	288.90	292.10	3.20	RA2	
2178.70	292.10	445.00	152.90		
2025.80	445.00	445.80	.80	COAL	
2025.00	445.80	473.00	27.20		
1997.80	473.00	476.30	3.30	JB1	MINED OUT
1994.50	476.30	498.30	22.00		
1972.50	498.30	499.90	1.60	JB3	
1970.90	499.90	588.70	88.80		
1882.10	588.70	589.10	.40	T1	
1881.70	589.10	765.50	176.40		
1705.30	765.50	765.70	.20	*US1	
1705.10	765.70	776.30	10.60		
1694.50	776.30	777.10	.80	*LC2	
1693.70	777.10	780.00	2.90		
1690.80	780.00	781.20	1.20	*LC3	
1689.60	781.20	782.90	1.70	*LC4	
1687.90	782.90	915.80	132.90		
1555.00	915.80	916.30	.50	*GC1	
1554.50	916.30	916.70	.40		
1554.10	916.70	917.30	.60	*GC1	
1553.50	917.30	960.40	43.10		
1510.40	960.40	961.00	.60	*COAL	
1509.80	961.00	1019.00	58.00		
1451.80	1019.00	1019.20	.20	*SE1	
1451.60	1019.20	1044.00	24.80		
1426.80	1044.00	1045.00	1.00	*SE2	
1425.80	1045.00	1096.20	51.20		
1374.60	1096.20	1098.80	2.60	*LS1	
1372.00	1098.80	1164.00	65.20		
1306.80	1164.00	1164.90	.90	*LS3	
1305.90	1164.90	1165.10	.20		
1305.70	1165.10	1165.30	.20	*COAL	
1305.50	1165.30	1166.00	.70		
1304.80	1166.00	1166.40	.40	*COAL	
1304.40	1166.40	1218.90	52.50		
1251.90	1218.90	1220.00	1.10	*UH2	
1250.80	1220.00	1221.90	1.90	*UH3	
1248.90	1221.90	1275.00	53.10		
1195.80	1275.00	1276.50	1.50	*MH1	
1194.30	1276.50	1337.00	60.50		

1133.80	1337.00	1337.70	.70	AW115A
1133.10	1337.70	1383.90	46.20	*MH2
1086.90	1383.90	1385.50	1.60	*P11
1085.30	1385.50	1410.90	25.40	
1059.90	1410.90	1412.00	1.10	*P10
1058.80	1412.00	1431.00	19.00	
1039.80	1431.00	1431.90	.90	*LH1
1038.90	1431.90	1541.10	109.20	
929.70	1541.10	1541.20	.10	*COAL
929.60	1541.20	1544.80	3.60	
926.00	1544.80	1544.90	.10	*COAL
925.90	1544.90	1549.00	4.10	
921.80	1549.00	1550.30	1.30	*P81
920.50	1550.30	1591.90	41.60	
878.90	1591.90	1594.80	2.90	*P71
876.00	1594.80	1690.00	95.20	
780.80	1690.00	1691.30	1.30	*P72
779.50	1691.30	1691.80	.50	
779.00	1691.80	1692.10	.30	*P72
778.70	1692.10	1718.00	25.90	
752.80	1718.00	1718.10	.10	*COAL
752.70	1718.10	1718.60	.50	
752.20	1718.60	1718.90	.30	*COAL
751.90	1718.90	1724.60	5.70	
746.20	1724.60	1724.80	.20	*COAL
746.00	1724.80	1819.30	94.50	
651.50	1819.30	1819.90	.60	*P61
650.90	1819.90	1874.70	54.80	
596.10	1874.70	1875.90	1.20	*P52
594.90	1875.90	1876.10	.20	
594.70	1876.10	1876.30	.20	*P52
594.50	1876.30	1950.00	73.70	
520.80	1950.00	1951.00	1.00	*P41
519.80	1951.00	1982.00	31.00	
488.80	1982.00	1983.40	1.40	*P42
487.40	1983.40	2020.30	36.90	
450.50	2020.30	2021.00	.70	*P31
449.80	2021.00	2022.00	1.00	*P32
448.80	2022.00	2063.10	41.10	
407.70	2063.10	2063.70	.60	*P34
407.10	2063.70	2130.10	66.40	
340.70	2130.10	2130.90	.80	*P21
339.90	2130.90	2162.80	31.90	
308.00	2162.80	2163.00	.20	*P01
307.80	2163.00	2209.10	46.10	
261.70	2209.10	2209.20	.10	*COAL
261.60	2209.20	2280.42	71.22	

BOTTOM HOLE

COAL SEAMS TO BE STIMULATED WERE ADJUSTED DUE TO TOPOGRAPHY.
 GAMMA-CALIPER LOG FROM 0 TO 562.00
 GAMMA-DENSITY LOG FROM 562.00 TO TD.
 NOTE: FOOTAGE NOT ADJUSTED FOR DEVIATION

Well: **AW115A**

Oil & Gas Show

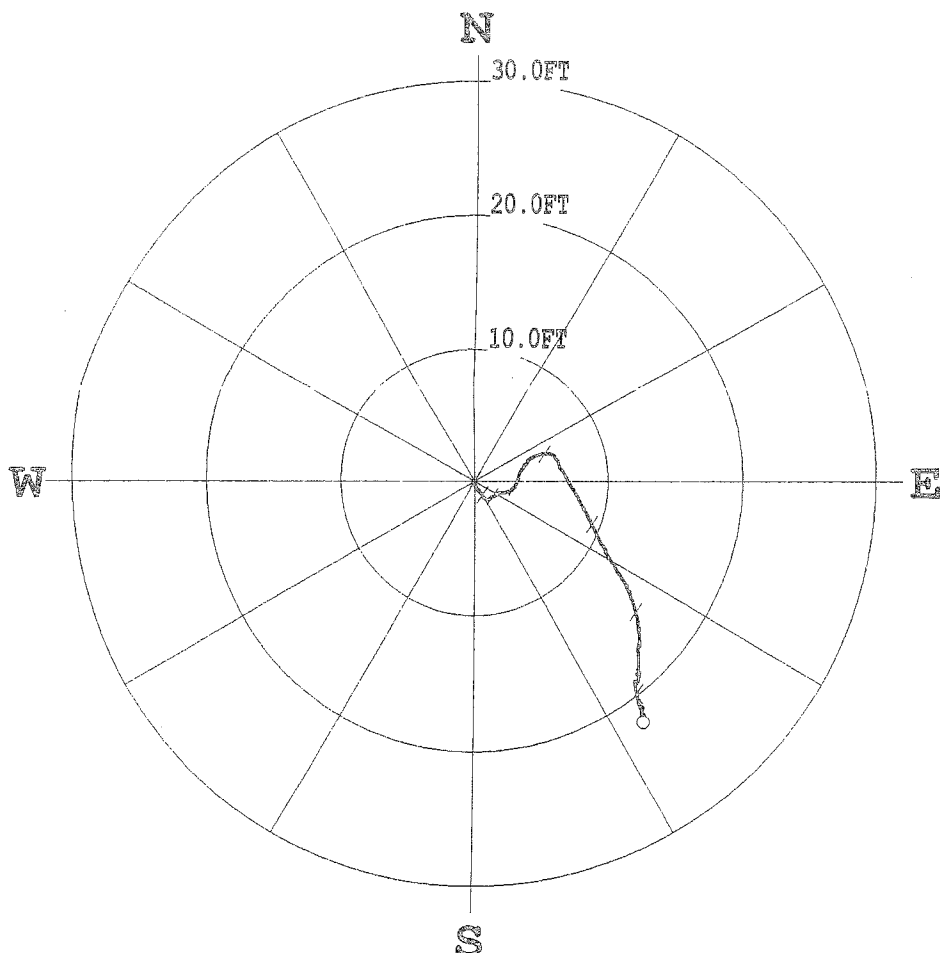
Formation	Top	Bottom	Thickness	IPF (MCFD/BOPD)	Pressure	Hours Tested
Lee/Norton	780.0	1550.3	770.3			
Pocahontas	1591.9	2022.0	430.1			
Total IPF				NOT TAKEN		

PLAN VIEW COMPU-LOG DEVIATION

CLIENT: CONSOL ENERGY
 FIELD OFFICE: BLUEFIELD
 HOLE ID: CNX-09-AW-115A
 DATE OF LOG: 11/03/09
 PROBE: 9136CH 1244

↑
 MAG DECL: -6.9

SCALE: 10 FT/IN
 TRUE DEPTH: 2279.60 FT
 AZIMUTH: 144.5
 DISTANCE: 21.8 FT
 + = 300 FT INCR
 ○ = BOTTOM OF HOLE



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

CLIENT : CONSOL ENERGY HOLE ID. : CNX-09-AW-115
 FIELD OFFICE : BLUEFIELD DATE OF LOG : 11/03/09
 DATA FROM : PROBE : 9136CH , 1244
 MAG. DECL. : -6.900 DEPTH UNITS : FEET
 LOG: CNX-09-AW-115A_11-03-09_10-08_9136CH_10_0.00_2280.00_DEVI.log

LE 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	252.9	0.1	295.9
20.00	20.00	-0.00	-0.00	0.0	251.4	0.0	64.3
30.00	30.00	0.01	-0.01	0.0	311.4	0.0	352.3
40.00	40.00	0.02	-0.01	0.0	329.6	0.1	335.4
50.00	50.00	0.02	-0.01	0.0	332.5	0.0	12.0
60.00	60.00	0.03	-0.01	0.0	330.3	0.1	1.2
70.00	70.00	0.02	-0.02	0.0	315.5	0.1	195.0
80.00	80.00	0.02	-0.03	0.0	304.7	0.2	180.9
90.00	90.00	0.01	-0.04	0.0	278.4	0.1	241.7
100.00	100.00	-0.02	-0.05	0.1	244.5	0.2	204.4
110.00	110.00	-0.05	-0.05	0.1	225.7	0.1	310.3
120.00	120.00	-0.09	-0.05	0.1	209.3	0.3	170.8
130.00	130.00	-0.14	-0.04	0.1	196.9	0.3	161.3
140.00	140.00	-0.19	-0.02	0.2	186.6	0.2	186.0

CLIENT : CONSOL ENERGY HOLE ID. : CNX-09-AW-115
 FIELD OFFICE : BLUEFIELD DATE OF LOG : 11/03/09
 DATA FROM : PROBE : 9136CH , 1244
 MAG. DECL. : -6.900 DEPTH UNITS : FEET
 LOG: CNX-09-AW-115A_11-03-09_10-08_9136CH_10_0.00_2280.00_DEVI.log

FILE DEPTH	TRUE DEPTH	NORTH DEV.	EAST DEV.	DISTANCE	AZIMUTH	SANG	SANGS
0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0
10.00	10.00	-0.00	-0.00	0.0	252.9	0.1	295.9
20.00	20.00	-0.00	-0.00	0.0	251.4	0.0	64.3
30.00	30.00	0.01	-0.01	0.0	311.4	0.0	352.3
40.00	40.00	0.02	-0.01	0.0	329.6	0.1	335.4
50.00	50.00	0.02	-0.01	0.0	332.5	0.0	12.0
60.00	60.00	0.03	-0.01	0.0	330.3	0.1	1.2
70.00	70.00	0.02	-0.02	0.0	315.5	0.1	195.0
80.00	80.00	0.02	-0.03	0.0	304.7	0.2	180.9
90.00	90.00	0.01	-0.04	0.0	278.4	0.1	241.7
100.00	100.00	-0.02	-0.05	0.1	244.5	0.2	204.4
110.00	110.00	-0.05	-0.05	0.1	225.7	0.1	310.3
120.00	120.00	-0.09	-0.05	0.1	209.3	0.3	170.8
130.00	130.00	-0.14	-0.04	0.1	196.9	0.3	161.3
140.00	140.00	-0.19	-0.02	0.2	186.6	0.2	186.0
150.00	150.00	-0.24	-0.00	0.2	180.2	0.4	161.9
160.00	160.00	-0.30	0.02	0.3	175.5	0.5	158.1
170.00	170.00	-0.37	0.06	0.4	171.2	0.0	85.6
180.00	180.00	-0.41	0.06	0.4	169.5	0.3	126.7
190.00	190.00	-0.47	0.12	0.5	165.5	0.3	147.8
200.00	200.00	-0.51	0.15	0.5	163.3	0.3	144.9
210.00	210.00	-0.56	0.19	0.6	161.2	0.4	131.1
220.00	220.00	-0.61	0.23	0.7	159.9	0.2	139.1
230.00	230.00	-0.66	0.28	0.7	156.7	0.6	136.0
240.00	240.00	-0.72	0.34	0.8	154.5	0.6	134.4
250.00	250.00	-0.78	0.40	0.9	153.0	0.5	137.2
260.00	260.00	-0.84	0.45	1.0	151.6	0.6	142.1
270.00	270.00	-0.89	0.50	1.0	150.4	0.3	123.4
280.00	280.00	-0.93	0.55	1.1	149.6	0.6	137.4
290.00	290.00	-0.97	0.57	1.1	149.4	0.1	144.4
300.00	300.00	-1.00	0.59	1.2	149.5	0.2	152.3
310.00	310.00	-1.02	0.59	1.2	149.9	0.3	172.2
320.00	320.00	-1.06	0.61	1.2	150.2	0.2	160.1
330.00	330.00	-1.09	0.61	1.2	150.5	0.3	145.7
340.00	339.99	-1.13	0.64	1.3	150.5	0.3	148.5
350.00	349.99	-1.17	0.67	1.3	150.1	0.4	132.4
360.00	359.99	-1.18	0.70	1.4	149.4	0.1	103.5
370.00	369.99	-1.21	0.74	1.4	148.7	0.3	126.4
380.00	379.99	-1.23	0.76	1.4	148.1	0.3	136.5
390.00	389.99	-1.27	0.80	1.5	147.9	0.3	146.9
400.00	399.99	-1.30	0.81	1.5	148.0	0.1	152.3
410.00	409.99	-1.33	0.85	1.6	147.6	0.2	136.9
420.00	419.99	-1.35	0.87	1.6	147.3	0.1	116.2
430.00	429.99	-1.36	0.90	1.6	146.5	0.1	106.3
440.00	439.99	-1.36	0.92	1.6	145.8	0.1	57.9
450.00	449.99	-1.35	0.93	1.6	145.4	0.1	89.4
460.00	459.99	-1.36	0.95	1.7	145.0	0.1	165.7
470.00	469.99	-1.36	0.95	1.7	145.1	0.1	253.3
480.00	479.99	-1.36	0.96	1.7	144.8	0.1	72.9
490.00	489.99	-1.35	0.97	1.7	144.3	0.3	71.6
500.00	499.99	-1.34	0.99	1.7	143.4	0.1	53.1
510.00	509.99	-1.33	1.02	1.7	142.6	0.2	68.4
520.00	519.99	-1.32	1.04	1.7	141.8	0.1	43.7
530.00	529.99	-1.31	1.07	1.7	140.8	0.2	65.8
540.00	539.99	-1.30	1.08	1.7	140.1	0.1	70.8
550.00	549.99	-1.29	1.12	1.7	139.1	0.2	65.1
560.00	559.99	-1.29	1.14	1.7	138.4	0.2	96.2
570.00	569.99	-1.25	1.18	1.7	136.9	0.7	77.3
580.00	579.99	-1.21	1.22	1.7	134.7	0.4	47.8
590.00	589.99	-1.18	1.28	1.7	132.7	0.3	75.3
600.00	599.99	-1.14	1.33	1.7	130.7	0.3	75.4
610.00	609.99	-1.10	1.39	1.8	128.4	0.5	55.9
620.00	619.99	-1.07	1.47	1.8	126.0	0.3	49.7
630.00	629.99	-1.04	1.54	1.9	123.9	0.7	83.6
640.00	639.99	-1.02	1.59	1.9	122.7	0.7	336.3
650.00	649.99	-0.99	1.59	1.9	121.9	0.1	232.4
660.00	659.99	-0.96	1.62	1.9	120.5	0.3	16.6
670.00	669.99	-0.94	1.66	1.9	119.5	0.1	110.3
680.00	679.99	-0.91	1.68	1.9	118.3	0.3	306.6
690.00	689.99	-0.89	1.68	1.9	118.0	0.2	86.8
700.00	699.99	-0.89	1.70	1.9	117.6	0.2	104.9
710.00	709.99	-0.88	1.71	1.9	117.3	0.1	144.1
720.00	719.99	-0.89	1.73	1.9	117.2	0.2	106.6
730.00	729.99	-0.89	1.75	2.0	116.8	0.1	103.4
740.00	739.99	-0.88	1.77	2.0	116.6	0.1	40.3
750.00	749.99	-0.86	1.78	2.0	116.3	0.2	62.4
760.00	759.99	-0.87	1.82	2.0	115.5	0.4	70.5
770.00	769.99	-0.86	1.86	2.1	114.8	0.3	78.9
780.00	779.99	-0.84	1.88	2.1	114.0	0.1	163.4
790.00	789.99	-0.84	1.96	2.1	113.1	0.8	83.1
800.00	799.99	-0.84	2.05	2.2	112.2	0.6	98.4
810.00	809.99	-0.84	2.15	2.3	111.4	0.6	87.8
820.00	819.99	-0.85	2.25	2.4	110.8	0.7	84.9
830.00	829.99	-0.82	2.34	2.5	109.3	0.7	87.9
840.00	839.99	-0.79	2.45	2.6	107.9	0.6	66.4
850.00	849.99	-0.75	2.55	2.7	106.3	0.6	66.0
860.00	859.99	-0.70	2.64	2.7	104.9	0.6	53.8
870.00	869.99	-0.65	2.74	2.8	103.3	0.5	59.6

800.00	789.99		2.05	2.2	112.2	0.6	98.4
810.00	809.99	-0.84	2.15	2.3	111.4	0.6	87.8
820.00	819.99	-0.65	2.25	2.4	110.8	0.7	84.9
830.00	829.99	-0.82	2.34	2.5	109.3	0.7	87.9
840.00	839.99	-0.79	2.45	2.6	107.9	0.6	66.4
850.00	849.99	-0.75	2.55	2.7	106.3	0.6	66.0
860.00	859.99	-0.70	2.64	2.7	104.9	0.6	53.8
870.00	869.98	-0.65	2.74	2.8	103.3	0.6	69.6
880.00	879.98	-0.58	2.82	2.9	101.6	0.6	57.9
890.00	889.98	-0.52	2.90	2.9	100.2	0.6	49.7
900.00	899.98	-0.44	2.96	3.0	98.4	0.7	68.2
910.00	909.98	-0.36	3.05	3.1	96.8	1.0	41.1
920.00	919.98	-0.24	3.06	3.1	94.5	1.1	75.3
930.00	929.98	-0.15	3.16	3.2	92.7	0.8	24.9
940.00	939.98	0.01	3.17	3.2	89.8	1.0	16.3
950.00	949.98	0.15	3.22	3.2	87.3	0.9	37.7
960.00	959.98	0.31	3.28	3.3	84.5	1.1	5.9
970.00	969.97	0.48	3.33	3.4	81.8	1.0	31.0
980.00	979.97	0.64	3.39	3.4	79.4	1.0	2.4
990.00	989.97	0.75	3.48	3.6	77.6	0.8	31.8
1000.00	999.97	0.89	3.56	3.7	76.0	0.9	26.4
1010.00	1009.97	1.02	3.65	3.8	74.4	1.0	38.8
1020.00	1019.97	1.15	3.72	3.9	72.8	0.9	356.4
1030.00	1029.97	1.06	3.69	3.8	73.9	0.5	335.9
1040.00	1039.97	1.15	3.70	3.9	72.8	0.6	347.4
1050.00	1049.97	1.24	3.73	3.9	71.6	0.4	67.0
1060.00	1059.96	1.25	3.84	4.0	71.9	0.9	54.7
1070.00	1069.96	1.34	3.93	4.1	71.1	0.8	37.0
1080.00	1079.96	1.46	3.95	4.2	69.8	0.6	350.4
1090.00	1089.96	1.56	3.98	4.3	68.6	0.6	48.0
1100.00	1099.96	1.63	4.11	4.4	68.4	0.9	39.8
1110.00	1109.96	1.72	4.22	4.6	67.9	0.8	49.1
1120.00	1119.96	1.76	4.34	4.7	67.9	0.7	60.2
1130.00	1129.96	1.83	4.45	4.8	67.6	0.8	60.4
1140.00	1139.96	1.88	4.56	4.9	67.6	0.6	77.2
1150.00	1149.96	1.93	4.67	5.0	67.6	0.7	70.5
1160.00	1159.96	1.97	4.78	5.2	67.6	0.7	49.6
1170.00	1169.95	2.00	4.88	5.3	67.7	0.5	87.3
1180.00	1179.95	2.03	4.99	5.4	67.9	0.8	76.8
1190.00	1189.95	2.03	5.10	5.5	68.3	0.5	86.1
1200.00	1199.95	2.02	5.21	5.6	68.8	0.6	93.4
1210.00	1209.95	2.06	5.33	5.7	68.9	0.8	90.7
1220.00	1219.95	2.05	5.45	5.8	69.4	0.7	83.9
1230.00	1229.95	2.05	5.57	5.9	69.8	0.8	98.7
1240.00	1239.95	2.03	5.71	6.1	70.4	0.7	115.9
1250.00	1249.95	2.00	5.83	6.2	71.1	0.7	97.2
1260.00	1259.95	1.93	5.94	6.2	72.0	0.7	128.0
1270.00	1269.95	1.84	6.00	6.3	72.9	0.7	144.3
1280.00	1279.95	1.72	6.04	6.3	74.1	0.2	133.6
1290.00	1289.94	1.59	6.14	6.3	75.5	1.0	144.6
1300.00	1299.94	1.42	6.23	6.4	77.1	1.2	170.3
1310.00	1309.94	1.22	6.29	6.4	79.0	1.2	153.5
1320.00	1319.94	1.01	6.34	6.4	80.9	1.2	139.6
1330.00	1329.93	0.85	6.51	6.6	82.6	1.6	143.0
1340.00	1339.93	0.65	6.65	6.7	84.4	1.4	149.9
1350.00	1349.93	0.42	6.76	6.8	86.5	1.4	150.3
1360.00	1359.92	0.19	6.92	6.9	88.4	1.5	153.7
1370.00	1369.92	-0.05	6.98	7.0	90.4	1.5	152.0
1380.00	1379.92	-0.27	7.15	7.2	92.2	1.7	155.5
1390.00	1389.91	-0.53	7.31	7.3	94.2	2.0	141.7
1400.00	1399.91	-0.79	7.48	7.5	96.0	1.8	145.1
1410.00	1409.90	-1.05	7.66	7.7	97.8	1.7	143.3
1420.00	1419.90	-1.32	7.76	7.9	99.6	1.6	157.3
1430.00	1429.89	-1.55	7.89	8.0	101.1	1.7	162.6
1440.00	1439.89	-1.80	8.04	8.2	102.6	1.9	146.2
1450.00	1449.89	-2.07	8.18	8.4	104.2	1.7	156.9
1460.00	1459.88	-2.29	8.33	8.6	105.4	1.7	148.1
1470.00	1469.88	-2.57	8.44	8.8	106.9	1.5	158.1
1480.00	1479.87	-2.81	8.58	9.0	108.1	1.9	129.0
1490.00	1489.87	-3.09	8.71	9.2	109.5	1.7	153.0
1500.00	1499.86	-3.17	8.77	9.3	109.9	1.7	178.7
1510.00	1509.86	-3.26	8.81	9.4	110.4	1.7	128.2
1520.00	1519.86	-3.55	8.95	9.6	111.7	1.5	145.3
1530.00	1529.85	-3.79	9.05	9.8	112.7	1.4	160.9
1540.00	1539.85	-4.03	9.17	10.0	113.7	1.5	150.1
1550.00	1549.84	-4.27	9.30	10.2	114.6	1.5	162.9
1560.00	1559.84	-4.50	9.41	10.4	115.6	1.6	152.3
1570.00	1569.84	-4.78	9.60	10.7	116.4	2.2	139.7
1580.00	1579.83	-5.06	9.75	11.0	117.4	1.8	129.2
1590.00	1589.82	-5.23	9.78	11.1	118.1	1.9	232.9
1600.00	1599.82	-5.42	9.89	11.3	118.7	2.1	152.7
1610.00	1609.81	-5.72	10.10	11.6	119.5	2.1	142.5
1620.00	1619.81	-6.00	10.26	11.9	120.3	2.0	143.8
1630.00	1629.80	-6.28	10.48	12.2	120.9	2.2	171.2
1640.00	1639.80	-6.57	10.59	12.5	121.8	1.9	149.7
1650.00	1649.79	-6.85	10.79	12.8	122.4	2.3	133.0
1660.00	1659.78	-7.15	10.97	13.1	123.1	1.8	154.8
1670.00	1669.78	-7.42	11.15	13.4	123.7	1.8	151.4
1680.00	1679.77	-7.68	11.31	13.7	124.2	1.8	146.4
1690.00	1689.77	-7.83	11.39	13.8	124.5	1.3	163.3
1700.00	1699.77	-8.01	11.45	14.0	125.0	1.5	154.5
1710.00	1709.76	-8.18	11.59	14.2	125.2	1.3	39.6
1720.00	1719.76	-8.22	11.52	14.1	125.5	0.6	19.6
1730.00	1729.76	-8.37	11.61	14.3	125.8	1.3	189.1
1740.00	1739.76	-8.56	11.66	14.5	126.3	1.3	154.0
1750.00	1749.76	-8.74	11.75	14.6	126.7	1.2	143.9

.720.00	1719.76	-8.22	11.52	14.1	125.8	1.3	189.1
.730.00	1729.76	-8.37	11.61	14.3	125.8	1.3	189.1
.740.00	1739.76	-8.56	11.66	14.5	126.3	1.3	154.0
.750.00	1749.76	-8.74	11.75	14.6	126.7	1.2	143.9
.760.00	1759.75	-8.94	11.83	14.8	127.1	1.2	164.4
.770.00	1769.75	-9.13	11.90	15.0	127.5	1.2	159.8
.780.00	1779.75	-9.31	11.94	15.1	127.9	1.0	162.6
.790.00	1789.75	-9.49	11.99	15.3	128.4	1.1	165.3
.800.00	1799.75	-9.68	12.04	15.4	128.8	1.1	161.9
.810.00	1809.74	-9.87	12.08	15.6	129.2	1.1	165.7
.820.00	1819.74	-10.05	12.14	15.8	129.6	1.0	163.5
.830.00	1829.74	-10.22	12.18	15.9	130.0	1.0	178.1
.840.00	1839.74	-10.34	12.22	16.0	130.2	1.4	177.4
.850.00	1849.74	-10.48	12.20	16.1	130.7	1.1	147.6
.860.00	1859.73	-10.70	12.24	16.3	131.2	1.2	171.4
.870.00	1869.73	-10.83	12.34	16.4	131.3	1.1	341.8
.880.00	1879.73	-10.87	12.25	16.4	131.6	1.1	171.1
.890.00	1889.73	-11.06	12.30	16.5	132.0	1.2	193.7
.900.00	1899.73	-11.26	12.31	16.7	132.4	1.3	178.8
.910.00	1909.72	-11.46	12.34	16.8	132.9	1.2	162.6
.920.00	1919.72	-11.66	12.32	17.0	133.4	1.2	192.0
.930.00	1929.72	-11.85	12.37	17.1	133.8	1.1	203.8
.940.00	1939.72	-11.99	12.31	17.2	134.2	1.6	156.3
.950.00	1949.71	-12.15	12.31	17.3	134.6	1.1	236.5
.960.00	1959.71	-12.30	12.23	17.3	135.2	1.3	171.2
.970.00	1969.71	-12.55	12.24	17.5	135.7	1.5	176.4
.980.00	1979.70	-12.84	12.26	17.8	136.3	1.8	162.5
.990.00	1989.70	-13.11	12.26	18.0	136.9	1.7	202.0
.000.00	1999.70	-13.40	12.29	18.2	137.5	1.7	182.4
.010.00	2009.69	-13.71	12.26	18.4	138.2	2.1	193.9
.020.00	2019.69	-14.00	12.33	18.7	138.6	1.8	141.2
.030.00	2029.68	-14.15	12.20	18.7	139.2	1.7	232.3
.040.00	2039.68	-14.33	12.35	18.9	139.2	2.3	152.1
.050.00	2049.67	-14.67	12.27	19.1	140.1	1.8	211.0
.060.00	2059.67	-14.90	12.14	19.2	140.8	1.5	195.4
.070.00	2069.66	-14.70	12.05	19.0	140.7	1.8	284.1
.080.00	2079.65	-14.99	12.04	19.2	141.2	2.0	180.7
.090.00	2089.65	-15.31	12.07	19.5	141.8	1.7	175.6
.100.00	2099.65	-15.53	12.20	19.8	141.9	1.5	109.0
.110.00	2109.64	-15.71	12.17	19.9	142.2	1.7	241.6
.120.00	2119.64	-16.02	12.24	20.2	142.6	1.7	179.8
.130.00	2129.63	-16.19	12.40	20.4	142.5	1.4	211.6
.140.00	2139.63	-16.39	12.35	20.5	143.0	1.8	93.4
.150.00	2149.62	-16.42	12.55	20.7	142.6	1.2	173.4
.160.00	2159.62	-16.63	12.63	20.9	142.8	1.4	154.6
.170.00	2169.62	-16.69	12.45	20.8	143.3	1.4	141.4
.180.00	2179.61	-16.71	12.66	21.0	142.9	1.3	185.9
.190.00	2189.61	-16.79	12.51	20.9	143.3	1.3	85.1
.200.00	2199.61	-16.90	12.55	21.1	143.4	1.3	227.8
.210.00	2209.61	-17.14	12.55	21.2	143.8	1.3	163.7
.220.00	2219.60	-17.22	12.68	21.4	143.6	0.8	21.7
.230.00	2229.60	-17.15	12.70	21.3	143.5	1.1	132.1
.240.00	2239.60	-17.35	12.72	21.5	143.8	1.0	197.5
.250.00	2249.60	-17.51	12.70	21.6	144.1	1.0	177.6
.260.00	2259.60	-17.68	12.70	21.8	144.3	0.9	164.8
.270.00	2269.60	-17.83	12.74	21.9	144.5	0.8	179.6
.280.00	2279.60	-17.75	12.68	21.8	144.5	1.0	338.1
.280.00	2279.60	-17.75	12.68	21.8	144.5	1.0	338.1

COMPANY: CNX
HOLE: AW-115A
RIG: 141
LOCATION: BOSTIC STRIP, VA

DATE STARTED: 10/29/09
DATE COMPLETED: 11/03/09

ELECTRIC LOGGED: YES
GROUTED: YES

DEPTH FROM	THICKNESS TO	FT	STRATA DESCRIPTION, VOIDS ETC
0	20	20	OVERBURDEN
20	30	10	SAND/SHALE/COAL/SANDY SHALE
30	60	30	SANDY SHALE
60	90	30	SANDY SHALE
90	120	30	SANDY SHALE
120	150	30	SANDY SHALE
150	180	30	SANDY SHALE/COAL/SANDY SHALE
180	210	30	SANDY SHALE/COAL/SANDY SHALE
210	240	30	SANDY SHALE/COAL/SANDY SHALE
240	270	30	SANDY SHALE
270	300	30	SANDY SHALE/COAL/SANDY SHALE
300	330	30	SANDY SHALE
330	360	30	SANDY SHALE
360	390	30	SANDY SHALE/COAL/SANDY SHALE
390	420	30	SANDY SHALE
420	450	30	SANDY SHALE
450	472	22	SANDY SHALE
472	476	4	VOID
476	480	4	SANDY SHALE
480	510	30	SANDY SHALE/COAL/SANDY SHALE
510	540	30	SANDY SHALE/COAL/SANDY SHALE
540	570	30	SANDY SHALE
570	582.1	12.1	SANDY SHALE
582.1	612.1	30	SANDY SHALE
612.1	642.1	30	SANDY SHALE/COAL/SANDY SHALE
642.1	672.1	30	SANDY SHALE
672.1	702.1	30	SANDY SHALE
702.1	732.1	30	SANDY SHALE/COAL/SANDY SHALE
732.1	762.1	30	SANDY SHALE/COAL/SANDY SHALE
762.1	792.1	30	SANDY SHALE/COAL/SANDY SHALE
792.1	822.1	30	SANDY SHALE/COAL/SANDY SHALE
822.1	852.1	30	SANDY SHALE
852.1	882.1	30	SANDY SHALE
882.1	912.1	30	SANDY SHALE
912.1	942.1	30	SANDY SHALE/COAL/SANDY SHALE
942.1	972.1	30	SANDY SHALE
972.1	1002.1	30	SANDY SHALE/COAL/SANDY SHALE
1002.1	1039.1	37	SANDY SHALE/COAL/SANDY SHALE
1039.1	1069.1	30	SANDY SHALE/COAL/SANDY SHALE

1069.1	1099.1	30 SANDY SHALE
1099.1	1129.1	30 SANDY SHALE/SANDY SHALE
1129.1	1159.1	30 SANDY SHALE
1159.1	1189	29.9 SANDY SHALE/COAL/SANDY SHALE
1189	1219.1	30.1 SANDY SHALE
1219.1	1249.1	30 SAND/SHALE/COAL
1249.1	1279.1	30 SAND/SHALE
1279.1	1309.1	30 SAND/SHALE/COAL
1309.1	1339.1	30 SAND/SHALE
1339.1	1369.1	30 SAND/SHALE/COAL
1369.1	1399.1	30 SAND/SHALE/COAL
1399.1	1429.1	30 SAND/SHALE/COAL
1429.1	1459.1	30 SAND/SHALE/COAL
1459.1	1489.1	30 SAND/SHALE
1489.1	1519.1	30 SAND/SHALE
1519.1	1549.1	30 SAND/SHALE/COAL
1549.1	1579.1	30 SAND/SHALE/COAL
1579.1	1609.1	30 SAND/SHALE
1609.1	1639.1	30 SAND/SHALE
1639.1	1669.1	30 SAND/SHALE
1669.1	1699.1	30 SAND/SHALE/COAL
1699.1	1729.1	30 SAND/SHALE
1729.1	1759.1	30 SAND/SHALE
1759.1	1789.1	30 SAND/SHALE
1789.1	1819.1	30 SAND/SHALE
1819.1	1849.1	30 SAND/SHALE/COAL
1849.1	1879.1	30 SAND/SHALE
1879.1	1909.1	30 SAND/SHALE/COAL
1909.1	1939.1	30 SAND/SHALE
1939.1	1969.1	30 SAND
1969.1	1991.1	22 SAND/SANDY SHALE
1991.1	2029.1	38 SANDY SHALE/COAL
2029.1	2034.1	5 SANDY SHALE
2034.1	2036.1	2 P-3 COAL
2036.1	2059.1	23 SANDY SHALE
2059.1	2089.1	30 SANDY SHALE/COAL/SANDY SHALE
2089.1	2119.1	30 SANDY SHALE
2119.1	2149.1	30 SANDY SHALE/COAL/SANDY SHALE
2149.1	2179.1	30 SANDY SHALE/COAL/SANDY SHALE
2179.1	2209.1	30 SANDY SHALE
2209.1	2239.1	30 SANDY SHALE/COAL/SANDY SHALE
2239.1	2269.1	30 SANDY SHALE
2269.1	2299.1	30 SANDY SHALE
2299.1	2309.1	10 RED SHALE

2309.1' TOTAL DEPTH
 20' OF 13 3/8" CASING
 546.95' OF 7" CASING
 2085.07' OF 4 1/2" CASING