



Commonwealth of Virginia
Department of Mines, Minerals, and Energy
Division of Gas and Oil
P.O. Box 1416, Abingdon, VA 24212
Telephone: (276) 676-5423

Tracking Number:	<u>1535</u>
Company:	<u>CNX Gas Company LLC</u>
File Number:	<u>BU-3862</u>
Operations Name:	<u>CBM BB9A 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>5/6/2008</u>	Drilling Contractor:	<u>Noah Horn</u>
Date drilling completed:	<u>5/12/2008</u>	Rig Type:	<input checked="" type="checkbox"/> Rotary <input type="checkbox"/> Cable
Driller's Total Depth (feet):	<u>2520.00</u>		
Log Total Depth (feet):	<u>2392.17</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>959708.04</u>	Final Plat State Plane X:	<u>959707.79</u>
Permitted State Plane Y:	<u>317086.87</u>	Final Plat State Plane Y:	<u>317092.50</u>

Plat Previously Submitted Or...

List of Attached Items:

Description	FileName
plat	BB9A 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	BB9A EXHIBIT A.pdf

Gas and Oil Shows:

List of Attached Items:

Description	FileName
gas show	BB9A Gas Show.xls

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?

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

List of Attached Items:

Description	FileName
deviation	BB9A DEVIATION.pdf

6. Casing and Tubing Program

List of Attached Items:

Description	FileName
casing	BB9A Casing.xls

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 469 ft; 7" casing cemented on backside to surface.

8. Drillers Log

Compiled By: Noah Horn

List of Attached Items:

Description	FileName
drill data	BB9A DRILL DATA.pdf

9. Comments

10. Signature

Permittee: CNX Gas Company LLC

Date: 10/25/2008

Signed By: Leslie Arrington

Title: Director Environmental Permitting

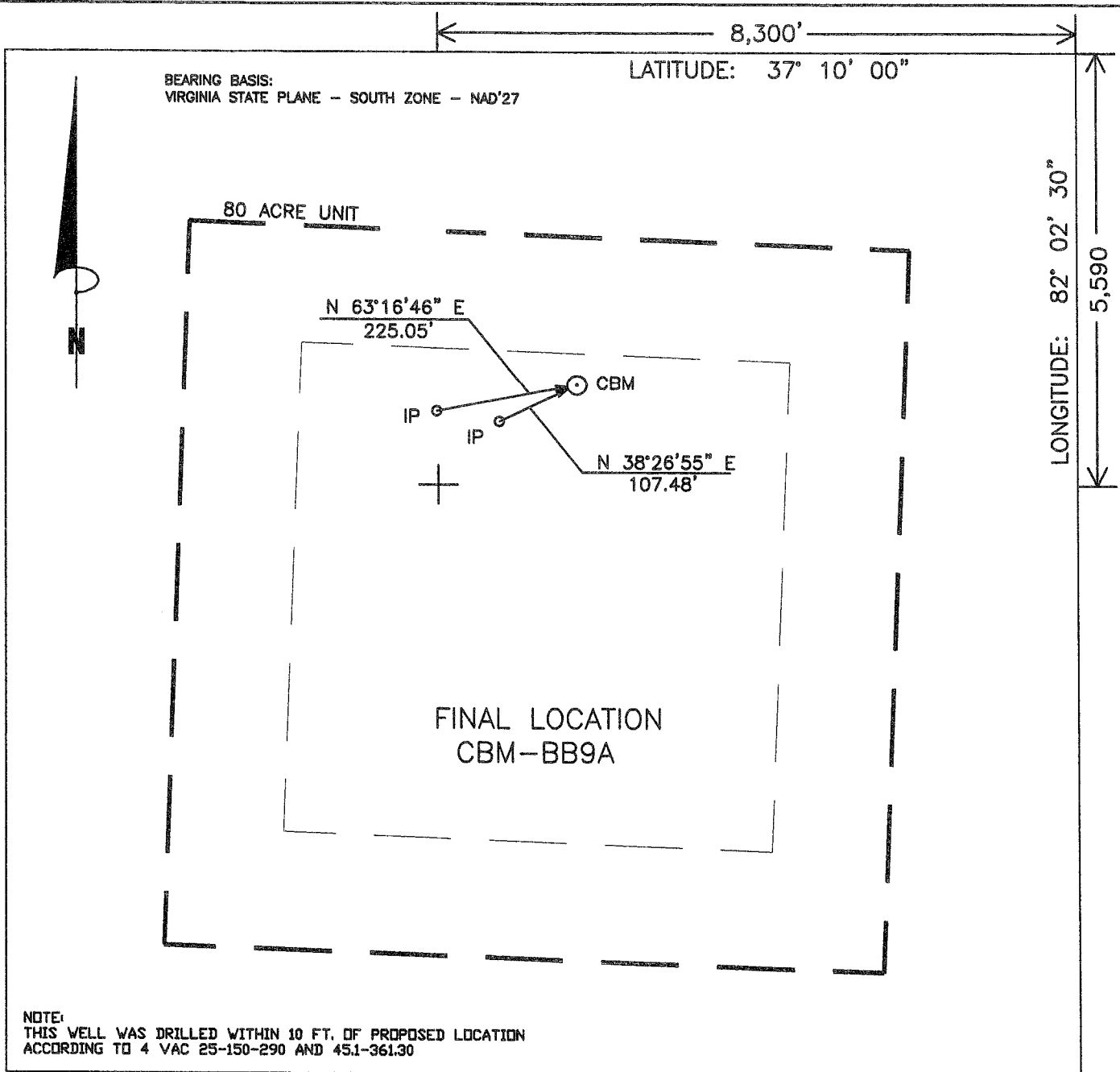
INTERNAL USE ONLY

Submit Date: 10/25/2008

Status: A

Date: 10/28/2008

Final PDF Date: 12/16/2008



WELL LOCATION PLAT

BB9AFNL
7-14/178-580/56

COMPANY CNX GAS COMPANY, LLC. WELL NAME OR NUMBER CBM-BB9A
 TRACT NUMBER CONSOL COAL ET AL QUADRANGLE VANSANT
 DISTRICT: PRATER

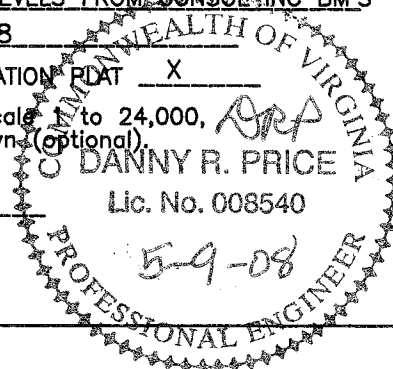
WELL COORDINATES (VIRGINIA STATE PLANE): STATE PLANE: N 317,092.50 E 959,707.79
 ELEVATION: 2359.71' METHOD USED TO DETERMINE ELEVATION: BY TRIG. LEVELS FROM CONSOL INC BM'S
 COUNTY BUCHANAN Scale: 1" = 400' Date 05-09-08

THIS PLAT IS A NEW PLAT _____; AN UPDATED PLAT _____; OR A FINAL LOCATION 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 (optional).

Danny R. Price
 Licensed Professional Engineer or Licensed Land Surveyor (Affix Seal)



BB9A.CMP
Exhibit A

Well Name: 08 CBM BB9A
SURFACE ELEV: 2359.71 EASTING: 959707.79 NORTHING: 317092.50

SEAM	DEPTH FROM (FT)	DEPTH TO (FT)	ELEVATION (TOSE)	THK. (FT)	REMARKS
NR2	70.80	71.20	2288.91	0.40	
	71.20	119.90	2288.51	48.70	
COAL	119.90	120.10	2239.81	0.20	
	120.10	164.20	2239.61	44.10	
UB1	164.20	164.90	2195.51	0.70	
	164.90	253.70	2194.81	88.80	
LB1	253.70	253.90	2106.01	0.20	
	253.90	470.00	2105.81	216.10	
KN2	470.00	472.90	1889.71	2.90	MINED OUT
	472.90	626.70	1886.81	153.80	
AL2	626.70	628.00	1733.01	1.30	
	628.00	699.10	1731.71	71.10	
RA2	699.10	700.90	1660.61	1.80	
	700.90	846.20	1658.81	145.30	
JB1	846.20	847.10	1513.51	0.90	
	847.10	880.20	1512.61	33.10	
JB3	880.20	880.60	1479.51	0.40	
	880.60	885.90	1479.11	5.30	
COAL	885.90	886.70	1473.81	0.80	
	886.70	940.00	1473.01	53.30	
T2	940.00	940.60	1419.71	0.60	
	940.60	964.00	1419.11	23.40	
T1	964.00	964.90	1395.71	0.90	
	964.90	983.00	1394.81	18.10	
TI	983.00	983.60	1376.71	0.60	
	983.60	1233.30	1376.11	249.70	
*GC2	1233.30	1233.90	1126.41	0.60	
	1233.90	1331.10	1125.81	97.20	
*SE2	1331.10	1331.30	1028.61	0.20	
	1331.30	1448.90	1028.41	117.60	
*UH1	1448.90	1451.50	910.81	2.60	
	1451.50	1625.10	908.21	173.60	
*P11	1625.10	1626.10	734.61	1.00	
	1626.10	1627.60	733.61	1.50	
*COAL	1627.60	1627.90	732.11	0.30	
	1627.90	1651.70	731.81	23.80	
*113	1651.70	1651.90	708.01	0.20	
	1651.90	1667.60	707.81	15.70	
*P10	1667.60	1667.90	692.11	0.30	
	1667.90	1711.90	691.81	44.00	
*LH3	1711.90	1712.00	647.81	0.10	
	1712.00	1736.00	647.71	24.00	
*COAL	1736.00	1736.60	623.71	0.60	
	1736.60	1779.80	623.11	43.20	
*P91	1779.80	1782.10	579.91	2.30	
	1782.10	1785.00	577.61	2.90	
*P92	1785.00	1785.80	574.71	0.80	
	1785.80	1874.90	573.91	89.10	
*P71	1874.90	1875.90	484.81	1.00	
	1875.90	2049.10	483.81	173.20	
*COAL	2049.10	2049.90	310.61	0.80	
	2049.90	2050.80	309.81	0.90	
*P51	2050.80	2051.90	308.91	1.10	
	2051.90	2076.10	307.81	24.20	
*P52	2076.10	2076.90	283.61	0.80	
	2076.90	2127.10	282.81	50.20	

			BB9A.CMP	
*P41	2127.10	2127.80	232.61	0.70
	2127.80	2193.90	231.91	66.10
*P31	2193.90	2197.10	165.81	3.20
	2197.10	2202.40	162.61	5.30
*P32	2202.40	2202.90	157.31	0.50
	2202.90	2253.10	156.81	50.20
*P21	2253.10	2253.80	106.61	0.70
	2253.80	2520.00	105.91	266.20

COAL SEAMS TO BE STIMULATED WERE ADJUSTED DUE TO TOPOGRAPHY.
 GAMMA-CALIPER LOG FROM 0 TO 575.00
 GAMMA-DENSITY LOG FROM 575.00 TO TD.
 NOTE: FOOTAGE NOT ADJUSTED FOR DEVIATION
 FILE: H:\JIMHAZ~1\PROJECTS\GAS\BB9A.CMP
 DATE: 05/22/08

Well: BB9A

Oil & Gas Show

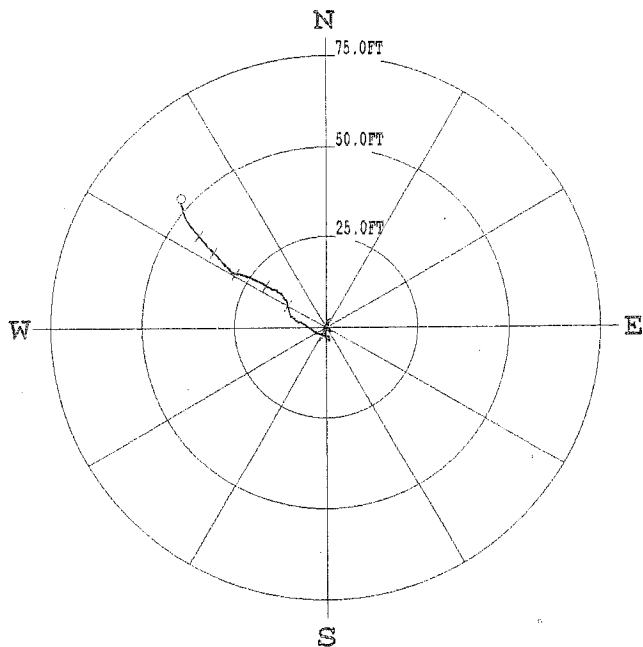
Formation	Top	Bottom	Thickness	IPF (MCFD/BOPD)	Pressure	Hours Tested
Lee/Norton	1448.9	1782.1	333.2			
Pocahontas	1874.9	2197.1	322.2			
Total IPF				TRACE		

PLAN VIEW COMPU-LOG DEVIATION

CLIENT: Consol Energy
 LOCATION:
 HOLE ID: 08-CNX-BB-9-A
 DATE OF LOG: 05/12/08
 PROBE: 9136CA 955



SCALE: 25 FT/IN
 TRUE DEPTH: 2389.90 FT
 AZIMUTH: 312.0
 DISTANCE: 52.8 FT
 + = 300 FT INCR
 ○ = BOTTOM OF HOLE



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

CLIENT	: Consol Energy	HOLE ID.	: 08-CNX-BB-9-A
FIELD OFFICE	:	DATE OF LOG	: 05/12/08
DATA FROM	:	PROBE	: 9136CA , 955
MAG. DECL.	: -6.900	DEPTH UNITS	: FEET
LOG: 08-CNX-BB-9-A_05-12-08_07-38_9136CA_.02_-0.02_2391.38_DEVI.log			

CABLE DEPTH	TRUE DEPTH	NORTH DEV.	EAST DEV.	DISTANCE	AZIMUTH	SANG	SANGB
50.0	49.98	-0.51	0.58	0.8	131.1	1.6	145.1
60.0	59.98	-0.78	0.66	1.0	139.8	1.6	176.5
70.0	69.98	-1.03	0.77	1.3	143.3	1.6	120.5
80.0	79.97	-1.15	1.02	1.5	138.3	1.6	85.7
90.0	89.97	-1.01	1.25	1.6	129.1	1.6	26.5
100.0	99.96	-0.74	1.18	1.4	122.1	1.7	333.6
110.0	109.96	-0.51	0.98	1.1	117.2	1.8	317.7
120.0	119.95	-0.29	0.76	0.8	110.8	1.8	321.9
130.0	129.95	-0.06	0.55	0.5	96.1	1.8	317.6
140.0	139.94	0.22	0.42	0.5	62.6	1.8	11.0
150.0	149.94	0.53	0.39	0.7	36.5	1.8	358.2
160.0	159.93	0.84	0.33	0.9	21.1	1.8	341.8
170.0	169.93	1.15	0.35	1.2	17.0	1.8	348.7
180.0	179.92	1.46	0.31	1.5	12.0	1.8	10.9
190.0	189.92	1.76	0.44	1.8	14.1	1.8	40.5
200.0	199.91	1.98	0.64	2.1	18.1	1.7	67.5
210.0	209.91	2.06	0.94	2.3	24.4	1.8	61.7
220.0	219.90	2.07	1.24	2.4	30.9	1.8	104.5
230.0	229.90	1.86	1.35	2.3	36.0	1.9	250.0
240.0	239.89	1.66	1.11	2.0	33.6	1.9	245.3
250.0	249.89	1.53	0.81	1.7	27.9	1.9	241.0
260.0	259.88	1.29	0.60	1.4	25.0	1.9	229.0
270.0	269.88	1.10	0.34	1.2	17.3	1.9	266.5
280.0	279.87	0.94	0.10	1.0	6.2	1.8	204.8
290.0	289.87	0.66	-0.05	0.7	355.4	1.9	205.3
300.0	299.86	0.41	-0.25	0.5	309.0	1.9	250.1
310.0	309.86	0.12	-0.37	0.4	288.1	1.9	189.7
320.0	319.85	-0.16	-0.51	0.5	252.3	1.9	207.6
330.0	329.85	-0.45	-0.66	0.8	235.9	1.9	217.1

210.0	209.91	2.06	0.94	2.3	24.4	1.8	61.7
220.0	219.90	2.07	1.24	2.4	30.9	1.8	104.5
230.0	229.90	1.86	1.35	2.3	36.0	1.9	250.0
240.0	239.89	1.66	1.11	2.0	33.6	1.9	245.3
250.0	249.89	1.53	0.81	1.7	27.9	1.9	241.0
260.0	259.88	1.29	0.60	1.4	25.0	1.9	229.0
270.0	269.88	1.10	0.34	1.2	17.3	1.9	266.5
280.0	279.87	0.94	0.10	1.0	6.2	1.8	204.8
290.0	289.87	0.66	-0.05	0.7	355.4	1.9	205.3
300.0	299.86	0.41	-0.25	0.5	329.0	1.9	250.1
310.0	309.86	0.12	-0.37	0.4	288.1	1.9	189.7
320.0	319.85	-0.16	-0.51	0.5	252.3	1.9	207.6
330.0	329.85	-0.45	-0.66	0.8	235.9	1.9	217.1
340.0	339.84	-0.60	-0.65	0.9	227.3	1.8	146.8
350.0	349.83	-0.89	-0.52	1.0	210.4	1.9	167.9
360.0	359.83	-1.15	-0.35	1.2	196.7	1.8	166.7
370.0	369.82	-1.45	-0.30	1.5	191.7	1.8	176.9
380.0	379.82	-1.76	-0.23	1.8	187.5	1.9	188.0
390.0	389.81	-1.98	-0.42	2.0	192.0	1.9	177.2
400.0	399.81	-2.29	-0.37	2.3	189.2	1.9	189.4
410.0	409.80	-2.60	-0.35	2.6	187.6	1.8	143.4
420.0	419.80	-2.88	-0.18	2.9	183.7	1.8	155.6
430.0	429.79	-3.08	0.04	3.1	179.3	1.7	145.8
440.0	439.79	-3.31	0.23	3.3	176.1	1.7	142.4
450.0	449.78	-3.53	0.43	3.6	173.0	1.8	121.6
460.0	459.78	-3.66	0.71	3.7	169.0	1.8	148.3
470.0	469.77	-3.78	0.93	3.9	166.2	1.6	46.3
480.0	479.77	-3.51	0.91	3.6	165.5	1.1	335.6
490.0	489.76	-3.48	0.86	3.6	166.1	1.4	341.5
500.0	499.76	-3.24	0.79	3.3	166.4	1.5	339.9
510.0	509.76	-2.99	0.72	3.1	166.5	1.5	351.1
520.0	519.75	-2.75	0.68	2.8	166.1	1.1	347.0
530.0	529.75	-2.53	0.61	2.6	166.5	2.0	346.3
540.0	539.75	-2.58	0.50	2.6	169.0	1.5	170.8
550.0	549.73	-2.58	0.10	2.6	177.7	3.2	268.2
560.0	559.72	-2.48	-0.43	2.5	189.8	2.8	311.4
570.0	569.70	-2.45	-0.65	2.5	194.8	3.6	190.4
580.0	579.68	-2.27	-0.37	2.3	189.2	3.2	189.9
590.0	589.68	-2.18	-0.67	2.3	197.1	1.7	273.9
600.0	599.67	-2.29	-0.76	2.4	198.3	2.0	191.4
610.0	609.66	-2.03	-1.01	2.3	206.4	3.0	311.6
620.0	619.65	-2.11	-1.43	2.6	214.2	3.1	244.6
630.0	629.63	-1.98	-1.92	2.8	224.2	3.2	303.0
640.0	639.61	-1.73	-2.45	3.0	234.7	3.4	302.2
650.0	649.60	-1.39	-2.88	3.2	244.3	3.3	303.5
660.0	659.58	-1.07	-3.38	3.5	252.5	3.4	305.1
670.0	669.56	-0.74	-3.86	3.9	259.1	3.3	301.9
680.0	679.55	-0.42	-4.33	4.4	264.5	3.4	305.8
690.0	689.53	-0.08	-4.81	4.8	269.1	3.4	304.6
700.0	699.51	0.24	-5.29	5.3	272.6	3.3	301.9
710.0	709.50	0.56	-5.75	5.8	275.6	3.1	304.4
720.0	719.48	0.90	-6.20	6.3	278.3	3.3	305.2
730.0	729.46	1.17	-6.69	6.8	279.9	3.2	313.0
740.0	739.45	1.47	-7.13	7.3	281.7	3.1	265.4
750.0	749.44	1.12	-7.39	7.5	278.6	1.7	300.0
760.0	759.43	1.33	-7.64	7.8	279.9	1.7	317.5
770.0	769.43	1.56	-7.87	8.0	281.2	1.8	309.6
780.0	779.42	1.76	-8.10	8.3	282.3	1.7	311.3
790.0	789.42	1.98	-8.29	8.5	283.4	1.6	330.4
800.0	799.41	2.18	-8.46	8.7	284.4	1.5	310.3
810.0	809.41	2.36	-8.66	9.0	285.3	2.1	281.0
820.0	819.40	2.61	-8.93	9.3	286.3	2.4	330.7
830.0	829.39	3.01	-9.16	9.6	288.2	2.9	325.1
840.0	839.38	2.81	-9.47	9.9	286.5	3.1	287.0
850.0	849.36	3.38	-9.71	10.3	289.2	3.5	335.4
860.0	859.34	3.91	-9.92	10.7	291.5	3.2	348.7
870.0	869.33	4.49	-10.03	11.0	294.1	3.3	344.6
880.0	879.31	5.03	-10.13	11.3	296.4	3.0	337.7
890.0	889.30	5.48	-10.28	11.7	298.1	3.1	359.3
900.0	899.28	5.99	-10.40	12.0	299.9	2.9	344.1
910.0	909.27	6.47	-10.51	12.3	301.6	2.9	352.7
920.0	919.26	6.96	-10.60	12.7	303.3	2.7	346.4
930.0	929.25	7.41	-10.69	13.0	304.7	2.6	348.2
940.0	939.24	7.40	-11.00	13.3	304.3	2.6	256.1

870.0	869.33	4.49	-10.03	11.0	294.1	3.0	344.0
880.0	879.31	5.03	-10.13	11.3	296.4	3.0	337.7
890.0	889.30	5.48	-10.28	11.7	298.1	3.1	359.3
900.0	899.28	5.99	-10.40	12.0	299.9	2.9	344.1
910.0	909.27	6.47	-10.51	12.3	301.6	2.9	352.7
920.0	919.26	6.96	-10.60	12.7	303.3	2.7	346.4
930.0	929.25	7.41	-10.69	13.0	304.7	2.6	348.2
940.0	939.24	7.49	-11.00	13.3	304.3	2.6	256.1
950.0	949.23	7.83	-11.29	13.7	304.8	2.9	333.3
960.0	959.21	8.24	-11.57	14.2	305.4	2.8	324.4
970.0	969.20	8.65	-11.76	14.6	306.3	2.5	331.4
980.0	979.19	9.07	-11.98	15.0	307.1	2.9	330.4
990.0	989.18	9.37	-12.31	15.5	307.3	2.9	259.8
1000.0	999.17	9.55	-12.68	15.9	307.0	2.3	305.0
1010.0	1009.16	9.61	-13.03	16.2	306.4	1.7	286.4
1020.0	1019.16	9.80	-13.18	16.4	306.6	1.7	309.2
1030.0	1029.16	10.01	-13.33	16.7	306.9	1.6	338.8
1040.0	1039.15	10.26	-13.43	16.9	307.4	1.8	307.9
1050.0	1049.15	10.41	-13.71	17.2	307.2	1.7	294.6
1060.0	1059.14	10.54	-13.98	17.5	307.0	1.7	292.8
1070.0	1069.14	10.60	-14.26	17.8	306.6	1.6	274.4
1080.0	1079.13	10.52	-14.50	17.9	306.0	1.3	266.5
1090.0	1089.13	10.60	-14.65	18.1	305.9	1.0	301.4
1100.0	1099.13	10.71	-14.79	18.3	305.9	1.0	303.0
1110.0	1109.13	10.80	-14.91	18.4	305.9	0.8	303.4
1120.0	1119.13	10.82	-15.06	18.5	305.7	0.8	271.9
1130.0	1129.13	10.89	-15.19	18.7	305.6	0.9	298.0
1140.0	1139.13	10.93	-15.33	18.8	305.5	0.9	283.0
1150.0	1149.13	11.05	-15.48	19.0	305.5	1.2	308.4
1160.0	1159.12	11.18	-15.63	19.2	305.6	1.1	297.8
1170.0	1169.12	11.23	-15.80	19.4	305.4	1.0	280.6
1180.0	1179.12	11.31	-15.95	19.6	305.3	1.1	301.4
1190.0	1189.12	11.43	-16.12	19.8	305.3	1.3	306.2
1200.0	1199.12	11.57	-16.30	20.0	305.4	1.4	310.6
1210.0	1209.11	11.71	-16.50	20.2	305.4	1.4	295.4
1220.0	1219.11	11.84	-16.69	20.5	305.4	1.4	302.7
1230.0	1229.11	12.00	-16.89	20.7	305.4	1.5	307.9
1240.0	1239.10	12.15	-17.10	21.0	305.4	1.4	302.6
1250.0	1249.10	12.26	-17.30	21.2	305.3	1.2	304.3
1260.0	1259.10	12.38	-17.46	21.4	305.3	1.2	295.8
1270.0	1269.10	12.43	-17.67	21.6	305.1	1.3	283.7
1280.0	1279.09	12.46	-17.88	21.8	304.9	1.3	292.9
1290.0	1289.09	12.57	-18.11	22.0	304.8	1.5	293.7
1300.0	1299.09	12.69	-18.33	22.3	304.7	1.5	296.6
1310.0	1309.09	12.77	-18.57	22.5	304.5	1.4	295.8
1320.0	1319.08	12.94	-18.82	22.8	304.5	1.9	305.7
1330.0	1329.07	13.06	-19.11	23.1	304.3	1.6	306.4
1340.0	1339.07	13.16	-19.41	23.4	304.1	2.3	304.4
1350.0	1349.06	13.35	-19.75	23.8	304.1	2.3	302.9
1360.0	1359.05	13.53	-20.11	24.2	303.9	2.3	304.2
1370.0	1369.05	13.71	-20.45	24.6	303.8	2.1	293.0
1380.0	1379.04	13.82	-20.76	24.9	303.6	1.7	275.5
1390.0	1389.04	13.93	-21.03	25.2	303.5	2.1	292.1
1400.0	1399.03	14.04	-21.36	25.6	303.3	1.7	293.8
1410.0	1409.02	14.15	-21.65	25.9	303.2	1.7	290.3
1420.0	1419.02	14.25	-21.92	26.1	303.0	1.9	282.2
1430.0	1429.02	14.35	-22.22	26.5	302.9	1.8	295.5
1440.0	1439.01	14.42	-22.55	26.8	302.6	2.0	291.5
1450.0	1449.00	14.54	-22.88	27.1	302.4	2.0	293.1
1460.0	1459.00	14.64	-23.21	27.4	302.2	1.9	291.7
1470.0	1468.99	14.77	-23.52	27.8	302.1	2.0	283.9
1480.0	1478.99	14.83	-23.86	28.1	301.9	2.1	274.3
1490.0	1488.98	14.85	-24.21	28.4	301.5	2.0	271.3
1500.0	1498.97	14.90	-24.54	28.7	301.3	1.8	285.6
1510.0	1508.97	15.02	-24.83	29.0	301.2	1.8	294.4
1520.0	1518.96	15.08	-25.14	29.3	301.0	1.8	272.5
1530.0	1528.96	15.10	-25.46	29.6	300.7	1.9	322.3
1540.0	1538.95	15.41	-25.59	29.9	301.1	2.5	322.6
1550.0	1548.94	15.64	-25.97	30.3	301.1	2.7	286.8
1560.0	1558.93	15.90	-26.11	30.6	301.3	2.7	40.0
1570.0	1568.92	16.19	-26.20	30.8	301.7	1.9	310.2
1580.0	1578.92	16.42	-26.46	31.1	301.8	2.0	310.9
1590.0	1588.91	16.64	-26.72	31.5	301.9	1.9	312.9
1600.0	1598.91	16.90	-26.93	31.8	302.1	1.8	315.2

1540.0	1538.95	15.41	-25.97	30.3	301.1	2.7	286.8
1550.0	1548.94	15.64	-26.11	30.6	301.3	2.7	40.0
1560.0	1558.93	15.90	-26.20	30.8	301.7	1.9	310.2
1570.0	1568.92	16.19	-26.46	31.1	301.8	2.0	310.9
1580.0	1578.92	16.42	-26.72	31.5	301.9	1.9	312.9
1590.0	1588.91	16.64	-26.93	31.8	302.1	1.8	315.2
1600.0	1598.91	16.90	-27.16	32.1	302.2	1.8	307.8
1610.0	1608.90	17.08	-27.36	32.4	302.4	2.0	313.7
1620.0	1618.90	17.34	-27.58	32.7	302.5	1.5	307.6
1630.0	1628.89	17.54	-27.81	33.0	302.5	2.0	314.2
1640.0	1638.89	17.74	-28.01	33.3	302.7	1.7	310.9
1650.0	1648.88	17.99	-28.19	33.6	302.9	1.8	313.3
1660.0	1658.88	18.22	-28.40	33.8	302.9	1.5	302.1
1670.0	1668.87	18.37	-28.60	34.1	303.0	1.8	330.7
1680.0	1678.87	18.60	-28.79	34.4	303.1	1.4	312.4
1690.0	1688.86	18.79	-28.95	34.6	303.3	1.6	309.0
1700.0	1698.86	18.99	-29.11	34.9	303.4	1.4	328.0
1710.0	1708.86	19.17	-29.23	35.1	303.5	1.2	329.6
1720.0	1718.86	19.35	-29.37	35.3	303.6	1.3	325.9
1730.0	1728.85	19.51	-29.52	35.5	303.7	1.4	309.9
1740.0	1738.85	19.68	-29.69	35.7	303.8	1.5	328.3
1750.0	1748.85	19.85	-29.86	36.0	303.9	1.2	313.5
1760.0	1758.85	20.03	-30.03	36.2	303.9	1.4	304.9
1770.0	1768.84	20.18	-30.22	36.4	303.9	1.4	315.7
1780.0	1778.84	20.34	-30.39	36.7	304.0	1.3	312.9
1790.0	1788.84	20.51	-30.56	36.9	304.1	1.3	319.5
1800.0	1798.83	20.66	-30.73	37.1	304.1	1.2	316.5
1810.0	1808.83	20.82	-30.88	37.3	304.2	1.1	315.0
1820.0	1818.83	20.98	-31.01	37.5	304.2	1.2	316.9
1830.0	1828.83	21.11	-31.15	37.7	304.3	1.3	333.0
1840.0	1838.82	21.26	-31.31	37.9	304.4	1.0	314.7
1850.0	1848.82	21.41	-31.44	38.1	304.4	1.2	312.1
1860.0	1858.82	21.54	-31.59	38.3	304.5	1.3	317.4
1870.0	1868.82	21.69	-31.75	38.5	304.5	1.2	312.1
1880.0	1878.82	21.84	-31.88	38.7	304.6	1.1	320.3
1890.0	1888.81	21.98	-32.00	38.9	304.7	1.1	324.7
1900.0	1898.81	22.12	-32.13	39.1	304.7	1.0	320.5
1910.0	1908.81	22.26	-32.24	39.3	304.8	1.0	322.3
1920.0	1918.81	22.40	-32.34	39.4	304.9	1.0	325.3
1930.0	1928.81	22.53	-32.46	39.6	304.9	1.0	314.4
1940.0	1938.81	22.67	-32.57	39.8	305.0	1.0	320.3
1950.0	1948.80	22.80	-32.69	39.9	305.1	1.0	327.6
1960.0	1958.80	22.95	-32.79	40.1	305.1	1.1	321.1
1970.0	1968.80	23.08	-32.93	40.3	305.2	1.3	315.5
1980.0	1978.80	23.23	-33.08	40.5	305.3	1.2	316.8
1990.0	1988.80	23.38	-33.21	40.7	305.3	1.1	324.2
2000.0	1998.80	23.53	-33.33	40.9	305.4	1.2	320.4
2010.0	2008.79	23.68	-33.46	41.1	305.5	1.2	320.3
2020.0	2018.79	23.84	-33.59	41.3	305.5	1.2	321.4
2030.0	2028.79	23.99	-33.71	41.5	305.6	1.1	315.1
2040.0	2038.79	24.15	-33.71	41.5	305.7	1.2	184.1
2050.0	2048.78	24.23	-33.73	41.6	305.8	1.5	326.0
2060.0	2058.78	24.31	-33.90	41.8	305.8	1.6	314.4
2070.0	2068.78	24.49	-34.11	42.1	305.9	1.6	315.9
2080.0	2078.77	24.68	-34.29	42.4	306.0	1.5	325.3
2090.0	2088.77	24.90	-34.45	42.6	306.1	1.4	320.3
2100.0	2098.77	25.11	-34.60	42.9	306.2	1.5	319.0
2110.0	2108.76	25.30	-34.81	43.1	306.2	1.8	308.5
2120.0	2118.76	25.50	-35.02	43.5	306.3	1.8	313.1
2130.0	2128.75	25.75	-35.25	43.8	306.4	1.9	324.1
2140.0	2138.75	25.99	-35.43	44.1	306.5	1.6	315.7
2150.0	2148.74	26.25	-35.64	44.4	306.6	2.0	321.1
2160.0	2158.74	26.50	-35.87	44.8	306.7	2.1	318.3
2170.0	2168.73	26.77	-36.09	45.1	306.9	2.0	323.0
2180.0	2178.73	27.05	-36.32	45.5	307.0	2.3	324.8
2190.0	2188.72	27.33	-36.55	45.8	307.1	2.2	323.5
2200.0	2198.71	27.63	-36.79	46.2	307.2	2.3	321.5
2210.0	2208.71	27.93	-37.02	46.6	307.3	2.3	324.6
2220.0	2218.70	28.25	-37.25	46.9	307.5	2.2	329.6
2230.0	2228.69	28.57	-37.45	47.3	307.6	2.2	329.1
2240.0	2238.68	28.89	-37.65	47.7	307.8	2.3	328.0
2250.0	2248.67	29.23	-37.86	48.0	308.0	2.3	329.4
2260.0	2258.67	29.57	-38.03	48.4	308.2	2.4	340.9
2270.0	2268.66	29.94	-38.10	48.8	308.5	2.4	337.6

2130.0	2120.75	25.99	-35.25	43.8	306.4	1.9	324.1
2140.0	2138.75	26.25	-35.43	44.1	306.5	1.6	315.7
2150.0	2148.74	26.50	-35.64	44.4	306.6	2.0	321.1
2160.0	2158.74	26.77	-35.87	44.8	306.7	2.1	318.3
2170.0	2168.73	27.05	-36.09	45.1	306.9	2.0	323.0
2180.0	2178.73	27.33	-36.32	45.5	307.0	2.3	324.8
2190.0	2188.72	27.63	-36.55	45.8	307.1	2.2	323.5
2200.0	2198.71	27.93	-36.79	46.2	307.2	2.3	321.5
2210.0	2208.71	28.25	-37.02	46.6	307.3	2.3	324.6
2220.0	2218.70	28.57	-37.25	46.9	307.5	2.2	329.6
2230.0	2228.69	28.89	-37.45	47.3	307.6	2.2	329.1
2240.0	2238.68	29.23	-37.65	47.7	307.8	2.3	328.0
2250.0	2248.67	29.57	-37.86	48.0	308.0	2.3	329.4
2260.0	2258.67	29.94	-38.03	48.4	308.2	2.4	340.9
2270.0	2268.66	30.32	-38.18	48.8	308.5	2.4	337.6
2280.0	2278.65	30.73	-38.32	49.1	308.7	2.5	341.5
2290.0	2288.64	31.13	-38.46	49.5	309.0	2.5	345.7
2300.0	2298.63	31.55	-38.61	49.9	309.3	2.6	343.0
2310.0	2308.62	31.99	-38.74	50.2	309.6	2.7	345.6
2320.0	2318.61	32.45	-38.86	50.6	309.9	2.7	341.1
2330.0	2328.60	32.92	-38.98	51.0	310.2	2.9	345.1
2340.0	2338.59	33.40	-39.10	51.4	310.5	2.8	346.6
2350.0	2348.58	33.90	-39.22	51.8	310.8	2.9	344.9
2360.0	2358.56	34.40	-39.33	52.3	311.2	3.0	350.6
2370.0	2368.55	34.91	-39.44	52.7	311.5	3.1	351.4
2380.0	2378.54	35.30	-39.30	52.8	311.9	3.0	48.0
2390.0	2388.52	35.35	-39.24	52.8	312.0	3.2	56.8
2391.4	2389.90						

COMPANY CNX
 HOLE BB-9A
 RIG #: 90
 LOCATION: BOYD RIDGE
 DATE STARTED: 5/6/2008
 DATE COMPLETED: 5/12/2008
 ELECTRIC LOGGED: YES
 GROUTED: YES

DEPTH FROM	THICKNESS TO	FT	STRATA DESCRIPTION, VOIDS ETC.
0	28		28 OVERBURDEN
28	60		32 SAND/SHALE
60	90		30 SAND/SHALE/COAL
90	120		30 SAND/SHALE
120	150		30 SAND/SHALE/COAL
150	180		30 SAND/SHALE/COAL
180	210		30 SAND/SHALE/COAL
210	240		30 SAND/SHALE/COAL
240	270		30 SAND/SHALE
270	300		30 SAND/SHALE/COAL
300	330		30 SAND/SHALE
330	360		30 SAND/SHALE/COAL
360	390		30 SAND/SHALE
390	420		30 SAND/SHALE
420	450		30 SAND/SHALE
450	469		19 SAND/SHALE/COAL
469	473		4 VOID
473	480		7 SAND/SHALE/COAL
480	510		30 SAND/SHALE
510	540		30 SAND/SHALE/COAL
540	570		30 SAND/SHALE
570	600		30 SAND/SHALE/COAL
600	610		10 SAND
610	640		30 SAND/SHALE/COAL
640	670		30 SAND/SHALE/COAL
670	700		30 SAND/SHALE
700	730		30 SAND/SHALE/COALD
730	760		30 SAND/SHALE
760	790		30 SAND/SHALE/COAL
790	820		30 SAND/SHALE/COAL
820	850		30 SAND/SHALE
850	880		30 SAND/SHALE
880	910		30 SAND/SHALE
910	940		30 SAND/SHALE/COAL
940	970		30 SAND/SHALE/COAL
970	1000		30 SAND/SHALE/COAL
1000	1030		30 SAND/SHALE
1030	1060		30 SAND/SHALE
1060	1090		30 SAND/SHALE/COAL

1090	1120	30 SAND/SHALE
1120	1150	30 SAND/SHALE
1150	1180	30 SAND
1180	1210	30 SAND
1210	1240	30 SAND/SHALE
1240	1270	30 SHALE/COAL/SHALE
1270	1300	30 SAND/SHALE
1300	1330	30 SAND/SHALE
1330	1360	30 SHALE/COAL/SHALE
1360	1390	30 SHALE/COAL/SHALE
1390	1420	30 SAND/SHALE
1420	1450	30 SHALE/COAL/SHALE
1450	1480	30 SAND
1480	1510	30 SAND
1510	1540	30 SAND
1540	1570	30 SAND/SHALE
1570	1600	30 SAND/SHALE
1600	1630	30 SHALE/COAL/SHALE
1630	1660	30 SHALE/COAL/SHALE
1660	1690	30 SHALE/COAL/SHALE
1690	1720	30 SAND
1720	1750	30 SAND
1750	1780	30 SAND/SHALE
1780	1810	30 SHALE/COAL/SHALE
1810	1840	30 SAND/SHALE
1840	1870	30 SHALE/COAL/SHALE
1870	1900	30 SAND
1900	1930	30 SAND
1930	1960	30 SAND/SHALE
1960	1990	30 SAND/SHALE/COAL
1990	2020	30 SAND/SHALE
2020	2045	25 SAND/SHALE/COAL
2045	2075	30 SAND/SHALE/COAL
2075	2105	30 SAND/SHALE
2105	2135	30 SAND/SHALE/COAL
2135	2165	30 SAND/SHALE
2165	2195	30 SAND/SHALE/COAL
2195	2225	30 SAND/SHALE/COAL
2225	2255	30 SHALE/COAL/SHALE
2255	2285	30 SHALE/COAL/SHALE
2285	2315	30 SAND
2315	2345	30 SAND/SHALE
2345	2375	30 SHALE/COAL/SHALE
2375	2405	30 SAND
2405	2435	30 SAND
2435	2465	30 SAND
2465	2495	30 SAND/SHALE
2495	2520	25 SAND/SHALE

2520' TOTAL DEPTH
28' OF 13 3/8" CASING
574.6' OF 7" CASING
2300.15' OF 4 1/2" CASING