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:	941
Company:	CNX Gas Company LLC
File Number:	RU-0456
Operations Name:	CBM BH104A W/PL
Operation Type:	Coalbed/Pipeline
Drilling Report Type:	Original

DRILLING REPORT (DGO-GO-14)

1. Drilling Data

Date drilling commenced: 6/26/2007
Drilling Contractor: Noah Horn
Date drilling completed: 7/9/2007
Rig Type: ☑ Rotary ☐ Cable Tool
Driller's Total Depth (feet): 2,770
Log Total Depth (feet): 2,747
Coal Seam At Total Depth: Pocahontas

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

Permitted State Plane X: 973,906
Final Plat State Plane X: 973,906
Permitted State Plane Y: 288,017
Final Plat State Plane Y: 288,017
☐ Plat Previously Submitted Or...

List of Attached Items:

Description	FileName
Plat	BH104A 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	BH104A Exhibit A.pdf

Gas and Oil Shows

List of Attached Items:

Description	FileName
Gas Show	BH104A 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? ☑ Yes ☐ No

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

List of Attached Items:

Description	FileName
Deviation	BH104A Deviation.pdf

6. Casing and Tubing Program

List of Attached Items:

Description	FileName
Casing	BH104A 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/occurence.

TOC of 4 1/2" casing @340'

8. Drillers Log

Compiled By: Noah Horn

List of Attached Items:

Description	FileName
Drill Data	BH104A Drill Data.pdf

9. Comments

10. Signature

Permitee: CNX Gas Company LLC Date: 12/17/2007 *(Company)*

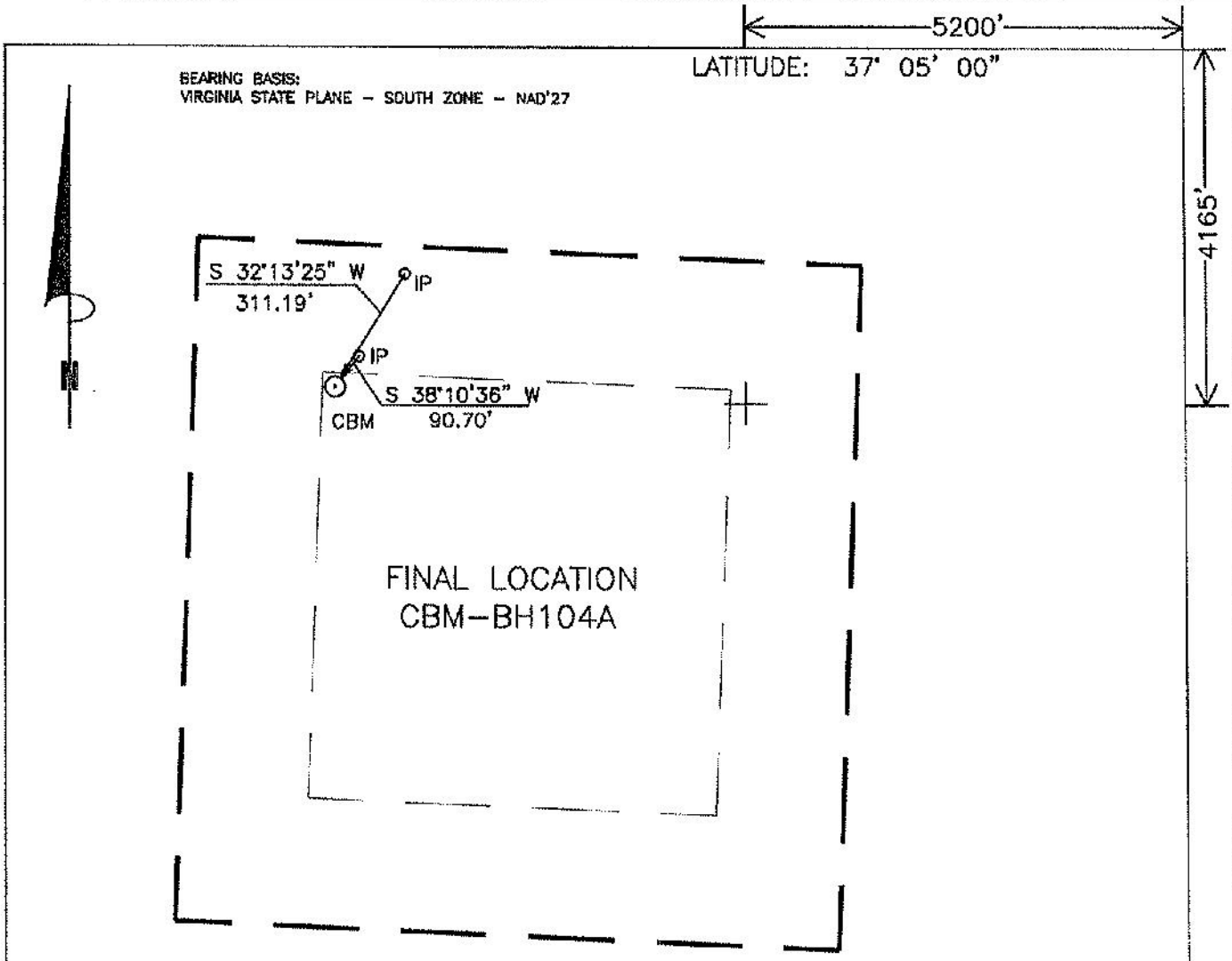
Signed By: Leslie K Arrington Title: Manager *(Signature)*

INTERNAL USE ONLY

Submit Date: 12/17/2007

Status: Inspr Approved Date: 12/20/2007

Final PDF Date: 12/28/2007



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

BH104AFNL
PGP30/171–602/75

COMPANY CNX GAS COMPANY, LLC. WELL NAME OR NUMBER CBM–BH104A

TRACT NUMBER TAZEWELL COAL & IRON QUADRANGLE BIG A MOUNTAIN

DISTRICT: NEW GARDEN

WELL COORDINATES (VIRGINIA STATE PLANE): STATE PLANE: N 288,017.31 E 973,905.90

ELEVATION: 2635.07' METHOD USED TO DETERMINE ELEVATION: BY TRIG. LEVELS FROM CONSOL INC BM'S

COUNTY RUSSELL Scale: 1" = 400' Date 07–05–07

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)

COMMONWEALTH OF VIRGINIA
ALLEN MITCHELL
Lic. No. 002289
7/05/07
LAND SURVEYOR

Licensed Professional Engineer or Licensed Land Surveyor (Affix Seal)

Form DGO–GO–7
Rev. 10/96

Exhibit A

Well Name: 07 CBM BH104A
SURFACE ELEV: 2635.07 EASTING: 973905.90 NORTHING: 288017.31

SEAM	DEPTH FROM (FT)	DEPTH TO (FT)	ELEVATION (TOSE)	THK. (FT)	REMARKS
COAL	103.00	103.80	2532.07	0.80	
	103.80	121.00	2531.27	17.20	
COAL	121.00	122.90	2514.07	1.90	
	122.90	210.80	2512.17	87.90	
LB1	210.80	214.00	2424.27	3.20	
	214.00	290.10	2421.07	76.10	
LB2	290.10	290.80	2344.97	0.70	
	290.80	366.40	2344.27	75.60	
KN1	366.40	367.00	2268.67	0.60	
	367.00	398.00	2268.07	31.00	
KN2	398.00	401.10	2237.07	3.10	
	401.10	533.70	2233.97	132.60	
AL1	533.70	533.80	2101.37	0.10	
	533.80	592.70	2101.27	58.90	
AL2	592.70	594.10	2042.37	1.40	
	594.10	702.10	2040.97	108.00	
RA2	702.10	704.90	1932.97	2.80	
	704.90	736.00	1930.17	31.10	
RA3	736.00	736.10	1899.07	0.10	
	736.10	915.10	1898.97	179.00	
JB1	915.10	916.40	1719.97	1.30	
	916.40	917.60	1718.67	1.20	
JB2	917.60	917.90	1717.47	0.30	
	917.90	918.50	1717.17	0.60	
JB3	918.50	920.00	1716.57	1.50	
	920.00	970.00	1715.07	50.00	
T2	970.00	970.80	1665.07	0.80	
	970.80	1051.80	1664.27	81.00	
*TI	1051.80	1052.00	1583.27	0.20	
	1052.00	1057.40	1583.07	5.40	
*COAL	1057.40	1059.50	1577.67	2.10	
	1059.50	1201.70	1575.57	142.20	
*US1	1201.70	1201.80	1433.37	0.10	
	1201.80	1202.10	1433.27	0.30	
*US1	1202.10	1202.40	1432.97	0.30	
	1202.40	1202.80	1432.67	0.40	
*LC1	1202.80	1203.20	1432.27	0.40	
	1203.20	1206.40	1431.87	3.20	
*LC2	1206.40	1206.60	1428.67	0.20	
	1206.60	1210.40	1428.47	3.80	
*LC4	1210.40	1213.80	1424.67	3.40	
	1213.80	1359.70	1421.27	145.90	
*GC1	1359.70	1359.90	1275.37	0.20	
	1359.90	1360.20	1275.17	0.30	
*GC1	1360.20	1361.90	1274.87	1.70	
	1361.90	1467.80	1273.17	105.90	
*SE1	1467.80	1468.20	1167.27	0.40	
	1468.20	1496.40	1166.87	28.20	

*SE2	1496.40	1497.40	1138.67	1.00
	1497.40	1544.80	1137.67	47.40
*LS1	1544.80	1545.60	1090.27	0.80
	1545.60	1546.20	1089.47	0.60
*LS2	1546.20	1546.90	1088.87	0.70
	1546.90	1609.80	1088.17	62.90
*LS3	1609.80	1614.70	1025.27	4.90
	1614.70	1659.10	1020.37	44.40
*UH1	1659.10	1660.80	975.97	1.70
	1660.80	1661.90	974.27	1.10
*UH2	1661.90	1662.80	973.17	0.90
	1662.80	1686.50	972.27	23.70
*UH3	1686.50	1687.60	948.57	1.10
	1687.60	1724.50	947.47	36.90
*MH1	1724.50	1726.10	910.57	1.60
	1726.10	1812.10	908.97	86.00
*MH2	1812.10	1812.20	822.97	0.10
	1812.20	1859.80	822.87	47.60
*P11	1859.80	1863.40	775.27	3.60
	1863.40	1886.90	771.67	23.50
*P10	1886.90	1888.30	748.17	1.40
	1888.30	1890.70	746.77	2.40
*COAL	1890.70	1890.90	744.37	0.20
	1890.90	1892.20	744.17	1.30
*LH1	1892.20	1893.80	742.87	1.60
	1893.80	1912.50	741.27	18.70
*LH3	1912.50	1914.20	722.57	1.70
	1914.20	1936.10	720.87	21.90
*P91	1936.10	1938.00	698.97	1.90
	1938.00	1997.80	697.07	59.80
*P81	1997.80	1997.90	637.27	0.10
	1997.90	1998.40	637.17	0.50
*P82	1998.40	1998.90	636.67	0.50
	1998.90	2002.50	636.17	3.60
*P71	2002.50	2002.90	632.57	0.40
	2002.90	2053.90	632.17	51.00
*COAL	2053.90	2054.90	581.17	1.00
	2054.90	2055.20	580.17	0.30
*COAL	2055.20	2056.70	579.87	1.50
	2056.70	2129.70	578.37	73.00
*COAL	2129.70	2131.80	505.37	2.10
	2131.80	2170.20	503.27	38.40
*COAL	2170.20	2170.80	464.87	0.60
	2170.80	2177.90	464.27	7.10
*COAL	2177.90	2178.10	457.17	0.20
	2178.10	2317.90	456.97	139.80
*COAL	2317.90	2318.20	317.17	0.30
	2318.20	2362.00	316.87	43.80
*COAL	2362.00	2362.20	273.07	0.20
	2362.20	2389.70	272.87	27.50
*P51	2389.70	2391.10	245.37	1.40
	2391.10	2420.30	243.97	29.20
*COAL	2420.30	2421.00	214.77	0.70
	2421.00	2462.10	214.07	41.10
*P31	2462.10	2464.30	172.97	2.20
	2464.30	2464.50	170.77	0.20
*P31	2464.50	2467.20	170.57	2.70
	2467.20	2488.80	167.87	21.60

*P32	2488.80	2489.80	146.27	1.00
	2489.80	2490.30	145.27	0.50
*P33	2490.30	2491.00	144.77	0.70
	2491.00	2533.60	144.07	42.60
*P34	2533.60	2534.10	101.47	0.50
	2534.10	2626.90	100.97	92.80
*P01	2626.90	2627.10	8.17	0.20
	2627.10	2770.00	7.97	142.90

COAL SEAMS TO BE STIMULATED WERE ADJUSTED DUE TO TOPOGRAPHY.
GAMMA-CALIPER LOG FROM 0 TO 485.00
GAMMA-DENSITY LOG FROM 485.00 TO TD.
NOTE: FOOTAGE NOT ADJUSTED FOR DEVIATION
FILE: D:\PROJECTS\VP_JJK\GAS\BH104A.CMP
DATE: 08/27/07

Well: BH104A

Oil & Gas Show

Formation	Top	Bottom	Thickness	IPF (MCFD/BOPD)	Pressure	Hours Tested
Lee/Norton	1057	1938	881			
Pocahontas	2054	2490	436			
Total IPF				25.6		

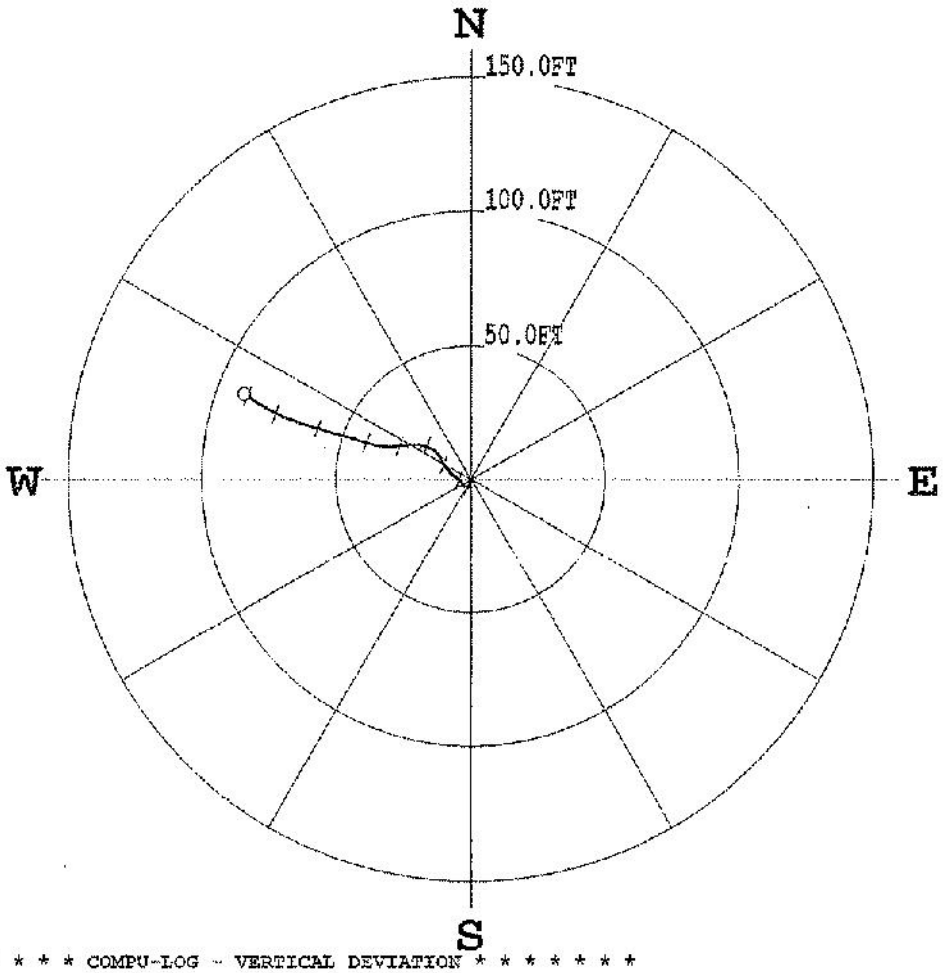
PLAN VIEW

COMPU-LOG DEVIATION

CLIENT: CONSOL ENERGY
LOCATION:
HOLE ID: 07-CNX-BH-104A
DATE OF LOG: 07/09/07
PROBE: 9136CH 1279

MAG DECL: -7.1

SCALE: 50 FT/IN
TRUE DEPTH: 2744.22 I
AZIMUTH: 290.7
DISTANCE: 89.7 FT
+ = 300 FT INCR
○ = BOTTOM OF HOLE



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

CLIENT : CONSOL ENERGY
FIELD OFFICE : O'DRISCOLL
DATA FROM :
MAG. DECL. : -7.100
HOLE ID. : 07-CNX-BH-104
DATE OF LOG : 07/09/07
PROBE : 9136CH , 1279
DEPTH UNITS : FEET
LOG: 07-CNX-BH-104A_07-09-07_10-54_9136CH_.10_0.00_2746.60_DEVI.log

CABLE 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	0.01	0.00	0.0	15.1	0.3	57.0
20.00	20.00	-0.01	0.03	0.0	99.6	0.3	225.9
30.00	30.00	0.01	0.01	0.0	37.8	0.5	168.1
40.00	40.00	-0.06	-0.01	0.1	192.1	0.4	202.8
50.00	50.00	-0.15	-0.04	0.2	194.2	0.5	185.1
60.00	60.00	-0.25	-0.04	0.3	188.7	0.6	179.3
70.00	70.00	-0.34	-0.02	0.3	183.8	0.8	181.9
80.00	80.00	-0.45	-0.08	0.5	190.1	0.8	227.5
90.00	90.00	-0.53	-0.17	0.6	197.5	1.0	229.7
100.00	100.00	-0.63	-0.28	0.7	203.8	0.8	231.2
110.00	109.99	-0.74	-0.40	0.8	208.0	0.7	221.6
120.00	119.99	-0.88	-0.48	1.0	209.0	0.9	192.1
130.00	129.99	-1.01	-0.51	1.1	206.8	0.8	179.3
140.00	139.99	-1.15	-0.51	1.3	204.1	0.5	165.1
150.00	149.99	-1.23	-0.49	1.3	201.6	0.6	171.0
160.00	159.99	-1.32	-0.48	1.4	199.8	0.7	174.0
170.00	169.99	-1.42	-0.48	1.5	198.8	0.5	198.2
180.00	179.99	-1.49	-0.50	1.6	198.5	0.3	186.8
190.00	189.99	-1.55	-0.54	1.6	199.1	0.5	183.3
200.00	199.99	-1.68	-0.56	1.8	198.6	1.1	223.2
210.00	209.99	-1.83	-0.70	2.0	200.9	0.9	213.6
220.00	219.98	-1.96	-0.81	2.1	202.4	0.8	218.3
230.00	229.98	-2.12	-0.85	2.3	201.9	1.1	196.0
240.00	239.98	-2.24	-0.88	2.4	201.5	0.7	175.6

180.00	179.99	-1.49	-0.50	1.6	198.5	0.3	186.8
190.00	189.99	-1.55	-0.54	1.6	199.1	0.5	183.3
200.00	199.99	-1.68	-0.56	1.8	198.6	1.1	223.2
210.00	209.99	-1.83	-0.70	2.0	200.9	0.9	213.6
220.00	219.98	-1.98	-0.81	2.1	202.4	0.8	218.3
230.00	229.98	-2.12	-0.85	2.3	201.9	1.1	196.0
240.00	239.98	-2.24	-0.88	2.4	201.5	0.7	176.6
250.00	249.98	-2.35	-0.93	2.5	201.7	0.6	194.7
260.00	259.98	-2.46	-0.98	2.6	201.7	0.8	207.0
270.00	269.98	-2.55	-1.05	2.8	202.3	0.8	244.1
280.00	279.98	-2.61	-1.16	2.9	204.0	0.8	251.0
290.00	289.98	-2.65	-1.30	3.0	206.0	0.9	271.6
300.00	299.98	-2.66	-1.46	3.0	208.7	0.9	269.9
310.00	309.97	-2.66	-1.67	3.1	212.0	1.4	271.0
320.00	319.97	-2.66	-1.86	3.2	215.1	1.0	278.4
330.00	329.97	-2.65	-2.04	3.3	217.6	1.0	254.2
340.00	339.97	-2.66	-2.18	3.4	219.3	0.7	276.1
350.00	349.97	-2.64	-2.32	3.5	221.3	0.7	269.6
360.00	359.97	-2.63	-2.44	3.6	222.8	0.8	273.9
370.00	369.97	-2.59	-2.53	3.6	224.4	0.6	290.4
380.00	379.97	-2.55	-2.59	3.6	225.4	0.4	300.8
390.00	389.97	-2.51	-2.63	3.6	226.4	0.5	322.2
400.00	399.97	-2.46	-2.69	3.6	227.6	0.4	324.9
410.00	409.97	-2.39	-2.75	3.6	229.1	0.5	319.9
420.00	419.96	-2.30	-2.83	3.6	230.9	0.7	319.5
430.00	429.96	-2.20	-2.89	3.6	232.7	0.9	325.3
440.00	439.96	-2.08	-2.99	3.6	235.1	0.8	326.6
450.00	449.96	-1.96	-3.08	3.7	237.6	1.0	318.6
460.00	459.96	-1.83	-3.17	3.7	240.1	1.0	326.8
470.00	469.96	-1.68	-3.27	3.7	242.8	0.8	331.9
480.00	479.96	-1.56	-3.33	3.7	244.8	1.3	325.2
490.00	489.96	-1.42	-3.43	3.7	247.5	0.9	330.1
500.00	499.96	-1.35	-3.48	3.7	248.9	0.8	340.0
510.00	509.95	-1.21	-3.52	3.7	251.0	1.0	69.2
520.00	519.95	-1.12	-3.43	3.6	252.0	1.3	337.7
530.00	529.95	-0.97	-3.52	3.6	254.6	1.0	299.7
540.00	539.95	-0.80	-3.53	3.6	257.2	1.0	29.9
550.00	549.95	-0.71	-3.63	3.7	259.0	1.0	315.9
560.00	559.94	-0.59	-3.77	3.8	261.1	0.9	298.7
570.00	569.94	-0.48	-3.92	4.0	263.0	1.1	300.9
580.00	579.94	-0.37	-4.07	4.1	264.7	1.1	299.2
590.00	589.94	-0.26	-4.23	4.2	266.5	1.2	314.3
600.00	599.94	-0.12	-4.41	4.4	268.5	1.4	317.6
610.00	609.93	-0.00	-4.58	4.6	270.0	1.1	320.7
620.00	619.93	0.10	-4.75	4.7	271.2	1.4	297.6
630.00	629.93	0.22	-4.92	4.9	272.6	1.2	291.7
640.00	639.93	0.33	-5.11	5.1	273.7	1.7	275.4
650.00	649.92	0.48	-5.34	5.4	275.1	1.7	308.0
660.00	659.92	0.66	-5.55	5.6	276.8	1.4	305.3
670.00	669.92	0.81	-5.74	5.8	278.0	1.3	301.5
680.00	679.91	0.99	-5.95	6.0	279.5	1.6	323.0
690.00	689.91	1.16	-6.19	6.3	280.7	1.8	309.9
700.00	699.90	1.39	-6.42	6.6	282.2	1.7	325.9
710.00	709.90	1.60	-6.63	6.8	283.6	1.7	315.1
720.00	719.89	1.79	-6.86	7.1	284.7	1.8	312.1
730.00	729.89	2.03	-7.07	7.4	286.0	1.9	334.4
740.00	739.88	2.18	-7.07	7.4	287.1	1.2	146.4
750.00	749.88	2.18	-7.22	7.5	286.8	1.8	318.5
760.00	759.87	2.41	-7.44	7.8	287.9	1.9	324.1
770.00	769.87	2.68	-7.64	8.1	289.4	1.8	323.2
780.00	779.86	2.95	-7.85	8.4	290.6	1.9	319.0
790.00	789.86	3.20	-8.06	8.7	291.7	1.8	323.0
800.00	799.85	3.46	-8.24	8.9	292.8	1.8	327.5
810.00	809.85	3.68	-8.46	9.2	293.5	1.8	319.8
820.00	819.84	3.90	-8.66	9.5	294.2	1.8	312.2
830.00	829.84	4.14	-8.85	9.8	295.1	1.7	310.7
840.00	839.83	4.36	-9.05	10.1	295.7	1.8	322.4
850.00	849.83	4.58	-9.26	10.3	296.3	1.7	325.1
860.00	859.82	4.80	-9.45	10.6	296.9	1.7	318.5
870.00	869.82	5.02	-9.66	10.9	297.5	1.7	337.4
880.00	879.81	5.09	-9.74	11.0	297.6	0.8	113.8
890.00	889.81	5.27	-9.88	11.2	298.1	2.1	336.7
900.00	899.80	5.60	-10.06	11.5	299.1	2.1	334.1
910.00	909.79	5.93	-10.20	11.8	300.2	2.0	348.9
920.00	919.79	6.20	-10.38	12.1	300.8	2.1	330.8
930.00	929.78	6.54	-10.53	12.4	301.9	2.3	346.3
940.00	939.77	6.87	-10.69	12.7	302.7	2.1	325.6
950.00	949.77	7.20	-10.82	13.0	303.7	2.0	339.5
960.00	959.76	7.53	-10.96	13.3	304.5	2.1	339.8
970.00	969.76	7.86	-11.09	13.6	305.3	2.0	342.3
980.00	979.75	8.00	-11.18	13.8	305.6	1.1	147.1
990.00	989.74	8.23	-11.32	14.0	306.0	2.0	337.1
1000.00	999.74	8.52	-11.49	14.3	306.6	2.0	334.2
1010.00	1009.73	8.82	-11.65	14.6	307.1	1.9	328.0
1020.00	1019.73	9.10	-11.81	14.9	307.6	1.9	322.4
1030.00	1029.72	9.39	-11.95	15.2	308.2	1.8	318.8
1040.00	1039.72	9.62	-12.17	15.5	308.3	1.9	307.1
1050.00	1049.71	9.85	-12.43	15.9	308.4	2.0	315.0
1060.00	1059.70	10.11	-12.67	16.2	308.6	1.8	318.2
1070.00	1069.70	10.35	-12.90	16.5	308.7	1.9	316.6
1080.00	1079.69	10.59	-13.16	16.9	308.8	2.1	309.6
1090.00	1089.69	10.81	-13.42	17.2	308.9	1.9	308.0
1100.00	1099.68	11.04	-13.68	17.6	308.9	2.0	316.2
1110.00	1109.67	11.27	-13.93	17.9	309.0	1.9	305.5
1120.00	1119.67	11.46	-14.13	18.2	309.0	1.9	316.6
1130.00	1129.66	11.59	-14.37	18.5	308.9	1.8	315.4

1050.00	1049.71	9.85	-12.43	15.9	306.4	2.0	313.0
1060.00	1059.70	10.11	-12.67	16.2	308.6	1.8	318.2
1070.00	1069.70	10.35	-12.90	16.5	308.7	1.9	316.6
1080.00	1079.69	10.59	-13.16	16.9	308.8	2.1	309.6
1090.00	1089.69	10.81	-13.42	17.2	308.9	1.9	306.0
1100.00	1099.68	11.04	-13.68	17.6	308.9	2.0	316.2
1110.00	1109.67	11.27	-13.93	17.9	309.0	1.9	305.5
1120.00	1119.67	11.46	-14.13	18.2	309.0	1.9	316.6
1130.00	1129.66	11.59	-14.37	18.5	308.9	1.8	315.4
1140.00	1139.66	11.61	-14.51	18.6	308.7	1.8	302.1
1150.00	1149.65	11.67	-14.69	18.8	308.5	1.5	296.1
1160.00	1159.65	11.83	-14.97	19.1	308.3	1.8	311.1
1170.00	1169.64	11.97	-15.28	19.4	308.1	1.6	281.3
1180.00	1179.64	12.11	-15.57	19.7	307.9	1.9	301.0
1190.00	1189.63	12.23	-15.90	20.1	307.6	2.0	295.4
1200.00	1199.62	12.35	-16.12	20.3	307.5	1.7	284.9
1210.00	1209.62	12.37	-16.35	20.5	307.1	2.0	280.0
1220.00	1219.61	12.46	-16.66	20.8	306.8	1.9	284.1
1230.00	1229.61	12.55	-16.99	21.1	306.4	2.2	281.5
1240.00	1239.60	12.66	-17.33	21.5	306.1	2.1	268.3
1250.00	1249.60	12.73	-17.65	21.8	305.8	1.9	293.7
1260.00	1259.59	12.76	-18.02	22.1	305.3	2.0	272.8
1270.00	1269.58	12.80	-18.36	22.4	304.9	2.0	269.1
1280.00	1279.58	12.84	-18.71	22.7	304.5	2.1	279.4
1290.00	1289.57	12.89	-19.07	23.0	304.1	2.1	278.8
1300.00	1299.56	12.94	-19.43	23.3	303.7	2.3	283.2
1310.00	1309.56	12.97	-19.79	23.7	303.2	2.2	277.6
1320.00	1319.55	13.02	-20.18	24.0	302.8	2.1	284.1
1330.00	1329.54	13.03	-20.55	24.3	302.4	2.1	269.5
1340.00	1339.53	13.05	-20.91	24.7	302.0	2.0	272.0
1350.00	1349.53	13.03	-21.27	24.9	301.5	2.1	270.4
1360.00	1359.52	13.04	-21.55	25.2	301.2	2.0	254.3
1370.00	1369.52	12.99	-21.82	25.4	300.8	2.1	267.6
1380.00	1379.51	12.95	-22.17	25.7	300.3	2.2	254.7
1390.00	1389.50	12.92	-22.52	26.0	299.8	2.1	252.9
1400.00	1399.50	12.89	-22.86	26.2	299.4	1.9	264.2
1410.00	1409.49	12.83	-23.20	26.5	298.9	2.1	260.5
1420.00	1419.49	12.80	-23.55	26.8	298.5	2.0	259.5
1430.00	1429.48	12.77	-23.89	27.1	298.1	2.0	255.7
1440.00	1439.47	12.72	-24.26	27.4	297.7	2.2	264.7
1450.00	1449.46	12.68	-24.64	27.7	297.2	2.3	263.9
1460.00	1459.46	12.69	-24.86	27.9	297.0	2.5	159.6
1470.00	1469.45	12.59	-25.08	28.1	296.7	2.1	263.9
1480.00	1479.44	12.57	-25.47	28.4	296.3	2.2	264.5
1490.00	1489.43	12.57	-25.86	28.8	295.9	2.1	271.9
1500.00	1499.43	12.56	-26.24	29.1	295.6	2.2	282.3
1510.00	1509.42	12.54	-26.55	29.4	295.3	2.3	240.5
1520.00	1519.41	12.48	-26.87	29.6	294.9	2.5	274.6
1530.00	1529.40	12.48	-27.28	30.0	294.6	2.3	278.9
1540.00	1539.39	12.48	-27.70	30.4	294.3	2.4	275.5
1550.00	1549.38	12.46	-28.10	30.7	293.9	2.2	269.5
1560.00	1559.37	12.46	-28.50	31.1	293.6	2.3	264.0
1570.00	1569.37	12.42	-28.89	31.4	293.3	2.3	269.6
1580.00	1579.36	12.40	-29.29	31.8	293.0	2.3	269.5
1590.00	1589.35	12.40	-29.68	32.2	292.7	2.3	271.6
1600.00	1599.34	12.41	-30.08	32.5	292.4	2.3	275.0
1610.00	1609.33	12.48	-30.47	32.9	292.3	2.3	272.5
1620.00	1619.33	12.43	-30.85	33.3	291.9	1.9	282.2
1630.00	1629.32	12.45	-31.25	33.6	291.7	2.3	264.6
1640.00	1639.31	12.45	-31.64	34.0	291.5	2.3	280.1
1650.00	1649.30	12.49	-32.04	34.4	291.3	2.2	274.4
1660.00	1659.30	12.52	-32.36	34.7	291.2	2.2	271.4
1670.00	1669.29	12.51	-32.68	35.0	290.9	2.4	278.2
1680.00	1679.28	12.54	-33.07	35.4	290.8	2.3	276.9
1690.00	1689.27	12.63	-33.46	35.8	290.7	2.1	277.8
1700.00	1699.26	12.64	-33.86	36.1	290.6	2.5	276.3
1710.00	1709.25	12.70	-34.29	36.6	290.3	2.6	283.7
1720.00	1719.24	12.75	-34.80	37.1	290.1	3.1	290.8
1730.00	1729.22	12.73	-35.03	37.3	290.0	2.9	86.4
1740.00	1739.21	12.85	-35.42	37.7	289.8	2.9	282.3
1750.00	1749.20	12.97	-35.92	38.2	289.9	2.8	285.6
1760.00	1759.19	13.10	-36.41	38.7	289.8	2.8	290.1
1770.00	1769.17	13.21	-36.92	39.2	289.7	3.1	284.9
1780.00	1779.16	13.37	-37.43	39.7	289.7	3.2	297.1
1790.00	1789.14	13.51	-37.97	40.3	289.6	3.1	283.3
1800.00	1799.13	13.66	-38.50	40.9	289.5	3.4	287.9
1810.00	1809.11	13.87	-39.08	41.5	289.5	3.7	288.5
1820.00	1819.09	14.06	-39.63	42.0	289.5	3.2	280.1
1830.00	1829.07	14.18	-40.17	42.6	289.4	3.4	286.9
1840.00	1839.06	14.38	-40.71	43.2	289.5	3.1	285.2
1850.00	1849.04	14.57	-41.23	43.7	289.5	3.2	290.0
1860.00	1859.03	14.74	-41.75	44.3	289.5	3.0	285.6
1870.00	1869.01	14.88	-42.27	44.8	289.4	3.2	284.5
1880.00	1879.00	15.04	-42.81	45.4	289.4	3.2	289.4
1890.00	1888.98	15.22	-43.33	45.9	289.4	3.2	301.8
1900.00	1898.96	15.38	-43.87	46.5	289.3	3.3	283.3
1910.00	1908.95	15.53	-44.43	47.1	289.3	3.2	294.5
1920.00	1918.93	15.70	-44.96	47.6	289.2	3.1	303.8
1930.00	1928.92	15.83	-45.49	48.2	289.2	3.5	267.7
1940.00	1938.90	16.05	-46.01	48.7	289.2	3.5	256.7
1950.00	1948.88	16.13	-46.56	49.3	289.1	3.4	278.2
1960.00	1958.86	16.32	-47.13	49.9	289.1	3.4	293.1
1970.00	1968.85	16.45	-47.71	50.5	289.0	3.7	286.0
1980.00	1978.83	16.59	-48.33	51.1	288.9	3.6	283.5
1990.00	1988.80	16.78	-49.01	51.8	288.9	4.5	275.3
2000.00	1998.77	16.98	-49.76	52.6	288.8	4.3	284.4
2010.00	2008.74	17.21	-50.45	53.3	288.8	4.2	289.5

1920.00	1918.93	15.70	-44.96	47.6	289.2	3.1	303.9
1930.00	1928.92	15.83	-45.49	48.2	289.2	3.5	267.7
1940.00	1938.90	16.05	-46.01	48.7	289.2	3.5	256.7
1950.00	1948.88	16.13	-46.56	49.3	289.1	3.4	278.2
1960.00	1958.86	16.32	-47.13	49.9	289.1	3.4	293.1
1970.00	1968.85	16.45	-47.71	50.5	289.0	3.7	286.0
1980.00	1978.83	16.59	-48.33	51.1	288.9	3.6	283.5
1990.00	1988.80	16.78	-49.01	51.8	288.9	4.5	275.3
2000.00	1998.77	16.98	-49.76	52.6	288.8	4.3	284.4
2010.00	2008.74	17.21	-50.45	53.3	288.8	4.2	289.5
2020.00	2018.72	17.42	-51.14	54.0	288.8	4.2	286.9
2030.00	2028.69	17.64	-51.84	54.8	288.8	4.2	287.3
2040.00	2038.66	17.85	-52.54	55.5	288.8	4.2	287.8
2050.00	2048.64	18.01	-53.25	56.2	288.7	4.3	284.2
2060.00	2058.61	18.21	-53.96	57.0	288.7	4.2	283.8
2070.00	2068.58	18.42	-54.65	57.7	288.6	4.1	286.7
2080.00	2078.56	18.63	-55.31	58.4	288.6	3.9	294.2
2090.00	2088.54	18.79	-55.95	59.0	288.6	3.8	299.7
2100.00	2098.51	18.99	-56.59	59.7	288.6	3.9	287.2
2110.00	2108.49	19.18	-57.23	60.4	288.5	3.8	290.1
2120.00	2118.47	19.36	-57.85	61.0	288.5	3.6	284.8
2130.00	2128.45	19.55	-58.46	61.6	288.5	3.6	286.0
2140.00	2138.43	19.71	-59.06	62.3	288.5	3.5	289.3
2150.00	2148.41	19.92	-59.64	62.9	288.5	3.5	288.3
2160.00	2158.39	20.07	-60.21	63.5	288.4	3.4	290.2
2170.00	2168.38	20.33	-60.72	64.0	288.5	3.3	271.0
2180.00	2178.36	20.43	-61.26	64.6	288.4	3.4	287.1
2190.00	2188.35	20.61	-61.80	65.1	288.4	3.1	285.4
2200.00	2198.33	20.78	-62.33	65.7	288.4	3.2	288.1
2210.00	2208.31	20.96	-62.85	66.3	288.4	3.2	293.9
2220.00	2218.30	21.13	-63.36	66.8	288.4	3.1	288.8
2230.00	2228.29	21.32	-63.87	67.3	288.5	3.3	291.5
2240.00	2238.27	21.49	-64.38	67.9	288.5	3.1	287.9
2250.00	2248.26	21.68	-64.88	68.4	288.5	3.1	289.2
2260.00	2258.24	21.87	-65.38	68.9	288.5	3.1	292.2
2270.00	2268.23	22.04	-65.88	69.5	288.5	3.0	291.9
2280.00	2278.21	22.23	-66.39	70.0	288.5	3.1	290.0
2290.00	2288.20	22.41	-66.89	70.5	288.5	3.1	290.2
2300.00	2298.18	22.60	-67.41	71.1	288.5	3.2	287.8
2310.00	2308.17	22.80	-67.92	71.6	288.6	3.3	288.6
2320.00	2318.15	22.98	-68.44	72.2	288.6	3.1	295.2
2330.00	2328.14	23.19	-68.94	72.7	288.6	3.1	297.7
2340.00	2338.12	23.38	-69.45	73.3	288.6	3.1	286.3
2350.00	2348.11	23.62	-69.93	73.8	288.7	3.1	300.4
2360.00	2358.09	23.83	-70.41	74.3	288.7	2.9	306.9
2370.00	2368.08	23.92	-70.75	74.7	288.7	3.8	246.5
2380.00	2378.06	24.12	-71.06	75.0	288.8	3.4	310.5
2390.00	2388.04	24.38	-71.56	75.6	288.8	3.2	309.8
2400.00	2398.03	24.55	-72.10	76.2	288.8	3.3	293.9
2410.00	2408.01	24.82	-72.58	76.7	288.9	3.1	296.8
2420.00	2418.00	24.85	-72.64	76.8	288.9	3.5	125.3
2430.00	2427.98	24.99	-72.78	77.0	289.0	3.4	294.6
2440.00	2437.97	25.23	-73.28	77.5	289.0	3.1	304.7
2450.00	2447.95	25.48	-73.74	78.0	289.1	3.0	298.0
2460.00	2457.94	25.70	-74.20	78.5	289.1	2.8	299.2
2470.00	2467.93	25.94	-74.63	79.0	289.2	2.9	302.3
2480.00	2477.92	26.18	-75.04	79.5	289.2	2.8	316.6
2490.00	2487.90	26.41	-75.45	79.9	289.3	2.8	298.7
2500.00	2497.89	26.66	-75.88	80.4	289.4	2.8	309.3
2510.00	2507.88	26.89	-76.29	80.9	289.4	2.8	306.7
2520.00	2517.87	27.14	-76.70	81.4	289.5	2.8	299.1
2530.00	2527.86	27.38	-77.11	81.8	289.5	2.5	302.9
2540.00	2537.85	27.63	-77.51	82.3	289.6	2.8	303.5
2550.00	2547.83	27.92	-77.92	82.8	289.7	2.7	317.7
2560.00	2557.82	28.17	-78.26	83.2	289.8	2.7	75.3
2570.00	2567.81	28.02	-78.26	83.1	289.7	2.2	23.8
2580.00	2577.80	28.22	-78.50	83.4	289.8	3.1	307.0
2590.00	2587.79	28.41	-78.93	83.9	289.8	2.5	286.6
2600.00	2597.78	28.68	-79.29	84.3	289.9	2.6	300.8
2610.00	2607.77	28.90	-79.55	84.6	290.0	2.8	287.3
2620.00	2617.76	28.91	-79.80	84.9	289.9	2.7	291.8
2630.00	2627.74	29.04	-80.03	85.1	289.9	2.6	292.7
2640.00	2637.73	29.31	-80.41	85.6	290.0	2.6	306.7
2650.00	2647.72	29.54	-80.80	86.0	290.1	2.9	311.1
2660.00	2657.71	29.76	-81.19	86.5	290.1	2.5	306.3
2670.00	2667.70	30.05	-81.56	86.9	290.2	3.0	306.6
2680.00	2677.69	30.38	-81.96	87.4	290.3	2.9	293.7
2690.00	2687.68	30.63	-82.36	87.9	290.4	2.8	290.5
2700.00	2697.66	30.90	-82.73	88.3	290.5	2.6	301.1
2710.00	2707.65	31.18	-83.09	88.7	290.6	2.8	303.4
2720.00	2717.64	31.47	-83.45	89.2	290.7	2.7	330.1
2730.00	2727.63	31.78	-83.79	89.6	290.8	2.6	315.3
2740.00	2737.62	31.94	-84.08	89.9	290.8	2.4	152.6
2746.60	2744.22	31.68	-83.95	89.7	290.7	2.8	142.8

Well: BH104A

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'	15"			X	6/26/2007	
Surface	7"	489.5'	8 7/8"	102	X		6/26/2007	bskt @ 133'
Water Protection	4 1/2"	2554.4'	6 1/2"	390.4		X	7/9/2007	
Coal Protection	4 1/2"	2554.4'	6 1/2"	390.4		X	7/9/2007	
Other Casing & Tubing								
Other Casing & Tubing								
Liners								

DRILL DATA HOLE-NOAH HORN WELL DRILLING, INC

COMPANY: CNX HOLE #: BH-104A

LOCATION: LEWIS LOW GAP DRILL RIG #: 40

DATE STARTED: 06-26-07 DATED COMPLETED: 07-09-07

ELECTRIC LOGGED:YES GROUTED:YES

DEPTH	THICKNESS	STRATA	REMARKS
FROM	TO	FT	DESCRIPTION,VOIDS ETC
0	26	26	OVERBURDEN
26	90	64	SAND
90	120	30	SAND/SHALE/COAL
120	210	90	SAND
210	240	30	SANDY SHALE/COAL
240	330	90	SANDY SHALE
330	420	90	SANDY SHALE/COAL/SANDY SHALE
420	450	30	SANDY SHALE
450	480	30	SANDY SHALE/COAL
480	510	30	SANDY SHALE
510	515	5	SAND
515	545	30	SAND/SHALE/COAL
545	575	30	SAND/SHALE
575	635	60	SAND
635	665	30	SAND/SHALE
665	695	30	SAND
695	755	60	SANDY SHALE/COAL/SANDY SHALE
755	815	60	SANDY SHALE
815	845	30	SANDY SHALE/SAND
845	875	30	SANDY SHALE
875	905	30	SANDY SHALE/COAL/SAND
905	935	30	SANDY SHALE/COAL/SANDY SHALE
935	965	30	SANDY SHALE
965	995	30	SANDY SHALE/COAL/SANDY SHALE
995	1025	30	SAND
1025	1055	30	SANDY SHALE/COAL
1055	1115	60	SAND
1115	1145	30	SAND/COAL/SANDY SHALE
1145	1205	60	SAND
1205	1235	30	SANDY SHALE/COAL
1235	1355	120	SAND
1355	1385	30	SAND/COAL
1385	1535	150	SAND
1535	1565	30	SAND/COAL/SAND
1565	1595	30	SAND
1595	1625	30	SAND/COAL/SAND
1625	1655	30	SAND
1655	1685	30	SAND/COAL
1685	1715	30	SAND
1715	1745	30	SAND/SHALE/COAL
1745	1805	60	SAND/SHALE
1805	1870	65	SAND/SHALE/COAL

1870	1900	30	SAND
1900	1960	60	SAND/SHALE/COAL
1960	1990	30	SAND
1990	2020	30	SAND/SHALE/COAL
2020	2080	60	SAND/SHALE
2080	2140	60	SAND
2140	2170	30	SAND/SHALE/COAL
2170	2200	30	SAND
2200			
2200	2350	150	SAND
2350	2380	30	SAND/COAL
2380	2410	30	SAND/SANDY SHALE/SAND
2410	2464	54	SAND
2464	2467	3	COAL P-3
2467	2500	33	SAND
2500	2530	30	SAND/SANDY SHALE
2530	2560	30	SAND/COAL/SAND
2560	2620	60	SAND
2620	2650	30	SAND/COAL
2650			
2650	2710	60	SAND/SHALE/COAL
2710	2740	30	SAND/SHALE
2740	2770	30	SAND/SHALE/SOME RED SHALE

2770' – TOTAL DEPTH
26' – 13 3/8" CASING
489.50' – 7" CASING
2554.40' – 4 ½" CASING