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: 615
Company: CNX Gas Company LLC
File Number: BU-3413
Operations Name: CBM E22A W/PL
Operation Type: Coalbed/Pipeline
Drilling Report Type: Original

DRILLING REPORT (DGO-GO-14)

1. Drilling Data

Date drilling commenced: 4/27/2007
Date drilling completed: 5/4/2007
Driller's Total Depth (feet): 2,500
Log Total Depth (feet): 2,494
Drilling Contractor: Noah Horn
Rig Type: ☑ Rotary ☐ Cable Tool
Coal Seam At Total Depth: Pocahontas

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

Permitted State Plane X: 985,884
Permitted State Plane Y: 358,134
Final Plat State Plane X: 985,885
Final Plat State Plane Y: 358,133
☐ Plat Previously Submitted Or...

List of Attached Items:

Description	FileName
Plat	Platt.pdf

3. Geological Data

Fresh Water At:

Depth (in feet)	Rate	Unit of Measure

Salt Water At:

Depth (in feet)	Rate	Unit of Measure
1,770	Damp	GPM

Coal Seams

List of Attached Items:

Description	FileName
Exhibit A	Exhibit A.pdf

Gas and Oil Shows

List of Attached Items:

Description	FileName
Gas Show	E22A 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	Deviation.pdf

6. Casing and Tubing Program

List of Attached Items:

Description	FileName
Casing	E22A 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.

Mine Void @ 460' - 462'; Cemented 9 5/8" casing to surface on the backside

8. Drillers Log

Compiled By: Noah Horn

List of Attached Items:

Description	FileName
Drill Data	Drill Data.pdf

9. Comments

10. Signature

Permitee: CNX Gas Company LLC Date: 8/16/2007 *(Company)*

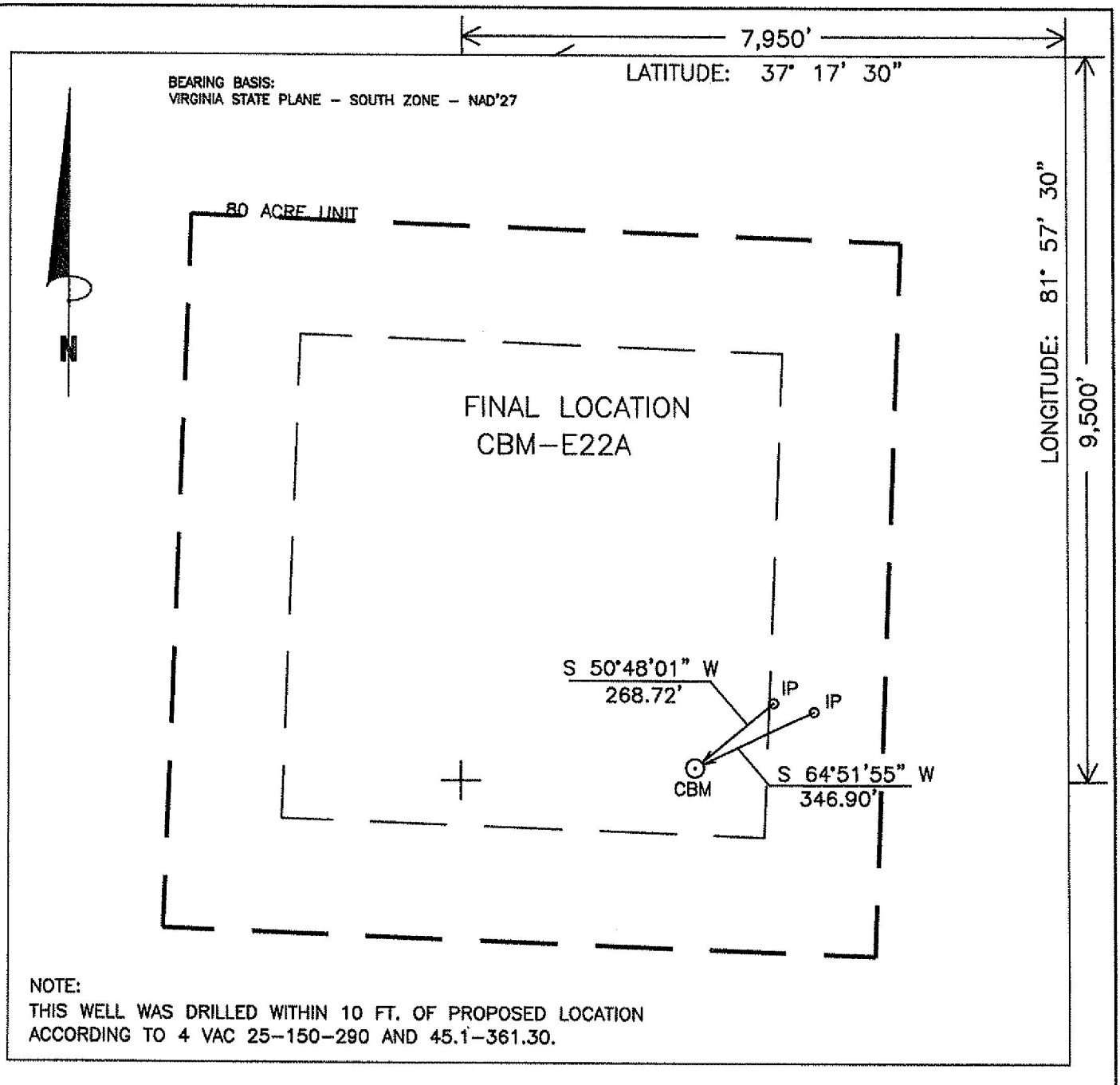
Signed By: Leslie K Arrington Title: Manager *(Signature)*

INTERNAL USE ONLY

Submit Date: 8/16/2007

Status: Inspr Approved Date: 8/28/2007

Final PDF Date: 8/29/2007



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

E22AFNL
1N15/68–596/14

COMPANY CNX GAS COMPANY, LLC. WELL NAME OR NUMBER CBM–E22A

TRACT NUMBER SLOCUM LAND QUADRANGLE PATTERSON

DISTRICT: GARDEN

WELL COORDINATES (VIRGINIA STATE PLANE): STATE PLANE: N 358,133.22 E 985,884.79

ELEVATION: 2239.33' METHOD USED TO DETERMINE ELEVATION: BY TRIG. LEVELS FROM CONSOL CNG DM'S

COUNTY BUCHANAN Scale: 1" = 400' Date 05–14–07

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
No. 2289
5/14/07
LAND SURVEYOR

Licensed Professional Engineer or Licensed Land Surveyor (Affix Seal)

Form DGO–GO–7
Rev. 10/96

Exhibit A

Well Name: 07 CBM E22A
SURFACE ELEV: 2239.33 EASTING: 985884.79 NORTHING: 358133.22

SEAM	DEPTH FROM (FT)	DEPTH TO (FT)	ELEVATION (TOSE)	THK. (FT)	REMARKS
NR1	106.20	106.90	2133.13	0.70	
	106.90	129.60	2132.43	22.70	
NR2	129.60	132.30	2109.73	2.70	
	132.30	243.30	2107.03	111.00	
COAL	243.30	244.10	1996.03	0.80	
	244.10	277.00	1995.23	32.90	
SD1	277.00	279.00	1962.33	2.00	
	279.00	286.30	1960.33	7.30	
COAL	286.30	288.00	1953.03	1.70	
	288.00	299.10	1951.33	11.10	
SD2	299.10	300.00	1940.23	0.90	
	300.00	366.50	1939.33	66.50	
UB2	366.50	368.90	1872.83	2.40	
	368.90	460.00	1870.43	91.10	
LB1	460.00	461.80	1779.33	1.80	MINED OUT
	461.80	493.70	1777.53	31.90	
LB2	493.70	494.80	1745.63	1.10	
	494.80	623.30	1744.53	128.50	
KN1	623.30	623.90	1616.03	0.60	
	623.90	642.80	1615.43	18.90	
KN2	642.80	643.80	1596.53	1.00	
	643.80	857.70	1595.53	213.90	
RA2	857.70	859.00	1381.63	1.30	
	859.00	986.00	1380.33	127.00	
JB1	986.00	987.00	1253.33	1.00	
	987.00	1015.80	1252.33	28.80	
JB3	1015.80	1017.20	1223.53	1.40	
	1017.20	1050.80	1222.13	33.60	
T2	1050.80	1051.80	1188.53	1.00	
	1051.80	1078.40	1187.53	26.60	
TI	1078.40	1078.60	1160.93	0.20	
	1078.60	1348.90	1160.73	270.30	
*GC2	1348.90	1349.10	890.43	0.20	
	1349.10	1349.50	890.23	0.40	
*GC2	1349.50	1349.90	889.83	0.40	
	1349.90	1391.20	889.43	41.30	
*SE1	1391.20	1391.40	848.13	0.20	
	1391.40	1439.00	847.93	47.60	
*SE2	1439.00	1440.20	800.33	1.20	
	1440.20	1465.80	799.13	25.60	
*LS1	1465.80	1466.10	773.53	0.30	
	1466.10	1550.40	773.23	84.30	
*UH1	1550.40	1551.10	688.93	0.70	
	1551.10	1590.00	688.23	38.90	
*UH2	1590.00	1591.00	649.33	1.00	
	1591.00	1627.00	648.33	36.00	
*MH1	1627.00	1627.80	612.33	0.80	

	1627.80	1628.00	611.53	0.20
*MH1	1628.00	1628.60	611.33	0.60
	1628.60	1747.20	610.73	118.60
*P11	1747.20	1752.10	492.13	4.90
	1752.10	1851.90	487.23	99.80
*P91	1851.90	1852.30	387.43	0.40
	1852.30	1854.20	387.03	1.90
*COAL	1854.20	1854.80	385.13	0.60
	1854.80	1856.10	384.53	1.30
*P92	1856.10	1857.50	383.23	1.40
	1857.50	1910.40	381.83	52.90
*P81	1910.40	1911.70	328.93	1.30
	1911.70	2111.80	327.63	200.10
*P41	2111.80	2117.00	127.53	5.20
	2117.00	2147.60	122.33	30.60
*P43	2147.60	2147.90	91.73	0.30
	2147.90	2218.10	91.43	70.20
*P31	2218.10	2219.39	21.23	1.29
	2219.39	2219.58	19.94	0.19
*P32	2219.58	2221.79	19.75	2.21
	2221.79	2309.70	17.54	87.91
*P01	2309.70	2310.10	-70.37	0.40
	2310.10	2500.00	-70.77	189.90

COAL SEAMS TO BE STIMULATED WERE ADJUSTED DUE TO THE GAS WELL'S PROXIMITY TO MIDWAY BRANCH.
GAMMA-CALIPER LOG FROM 0 TO 570.00
GAMMA-DENSITY LOG FROM 570.00 TO TD.
NOTE: FOOTAGE NOT ADJUSTED FOR DEVIATION
FILE: H:\JIMHAZ~1\PROJECTS\GAS\E22A.CMP
DATE: 05/30/07

Well: E22A

Oil & Gas Show

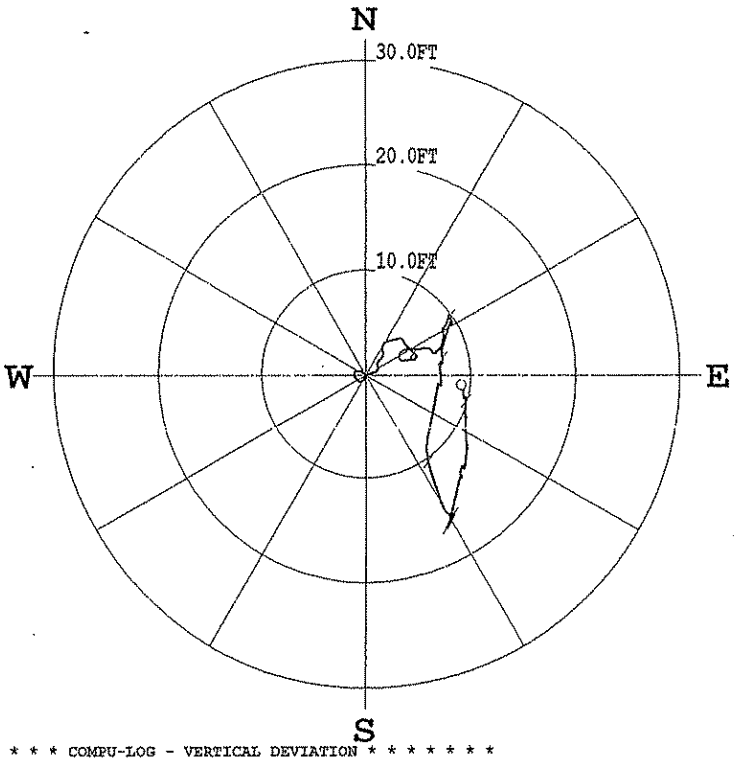
Formation	Top	Bottom	Thickness	IPF (MCFD/BOPD)	Pressure	Hours Tested
Lee/Norton	1856	1912	56			
Pocahontas	2112	2222	110			
Total IPF				No Show		

COMPU-LOG DEVIATION

:ENT: CNX-GAS
:ATION: -
:E ID: 07-CNX-E-22A
:E OF LOG: 05/04/07
)BE: 9136CH 1244

MAG DECL: -7.1

SCALE: 10 FT/IN
TRUE DEPTH: 2492.44 FT
AZIMUTH: 95.7
DISTANCE: 9.1 FT
+ = 300 FT INCR
○ = BOTTOM OF HOLE



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

CLIENT : CNX-GAS
FIELD OFFICE : O'DRISCOLL
DATA FROM : -
MAG. DECL. : -7.100
LOG: 07-CNX-E-22A_05-04-07_00-00_9136CH_.10_0.00_2493.60_DEVI.log

HOLE ID. : 07-CNX-E-22A
DATE OF LOG : 05/04/07
PROBE : 9136CH , 1244
DEPTH UNITS : FEET

ILE 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	-0.02	-0.02	0.0	225.4	2.2	39.8
20.00	19.99	-0.28	0.04	0.3	172.3	2.1	273.9
30.00	29.98	0.06	-0.08	0.1	305.2	2.1	333.8
40.00	39.98	0.32	-0.31	0.4	316.4	2.1	305.5
50.00	49.97	0.44	-0.64	0.8	304.2	2.1	271.7
60.00	59.96	0.33	-0.98	1.0	288.7	2.1	227.0
70.00	69.96	-0.01	-1.05	1.0	269.5	2.2	166.9
80.00	79.95	-0.36	-0.87	0.9	247.7	2.1	145.2
90.00	89.94	-0.60	-0.56	0.8	223.1	2.5	103.5
100.00	99.93	-0.46	-0.22	0.5	204.9	2.2	34.2
110.00	109.93	-0.14	-0.03	0.1	190.0	2.2	32.4
120.00	119.92	0.09	0.28	0.3	72.4	2.3	67.0
130.00	129.91	0.21	0.68	0.7	73.1	2.4	72.6
140.00	139.90	0.37	1.06	1.1	70.6	2.3	48.4
150.00	149.90	0.70	1.19	1.4	59.5	2.1	359.4
160.00	159.89	1.06	1.13	1.6	47.0	2.0	354.8
170.00	169.88	1.40	1.27	1.9	42.4	2.3	39.9
180.00	179.87	1.69	1.54	2.3	42.3	2.3	41.3
190.00	189.87	2.06	1.66	2.6	38.9	2.2	0.9
200.00	199.86	2.41	1.60	2.9	33.6	2.0	342.1
210.00	209.85	2.77	1.62	3.2	30.4	2.2	16.1
220.00	219.84	3.11	1.84	3.6	30.6	2.5	44.5
230.00	229.84	3.27	2.22	4.0	34.2	2.6	76.9
240.00	239.83	3.34	2.67	4.3	38.6	2.6	89.6
250.00	249.82	3.49	3.08	4.7	41.5	2.5	74.9

940.00	1939.18	-13.76	8.04	15.9	149.7	1.8	11.1
950.00	1949.18	-13.50	8.12	15.8	149.0	1.9	5.2
960.00	1959.17	-13.22	8.19	15.5	146.2	1.7	5.5
970.00	1969.17	-12.93	8.25	15.3	147.4	1.8	11.8
980.00	1979.16	-12.62	8.32	15.1	146.6	1.8	11.5
990.00	1989.16	-12.31	8.39	14.9	145.7	2.0	15.5
000.00	1999.15	-11.98	8.45	14.7	144.8	1.7	9.6
010.00	2009.15	-11.67	8.54	14.5	143.8	2.1	343.0
020.00	2019.14	-11.34	8.58	14.2	142.9	2.1	21.1
030.00	2029.13	-11.00	8.66	14.0	141.8	2.1	21.7
040.00	2039.12	-10.65	8.75	13.8	140.6	2.3	9.8
050.00	2049.12	-10.30	8.81	13.6	139.4	2.3	12.1
060.00	2059.11	-9.94	8.91	13.3	138.1	2.3	359.4
070.00	2069.10	-9.77	9.08	13.3	137.1	2.0	271.8
080.00	2079.09	-9.47	8.97	13.0	136.6	2.4	354.0
090.00	2089.08	-9.09	9.03	12.8	135.2	2.4	9.3
100.00	2099.08	-8.80	9.19	12.7	133.7	2.2	31.4
110.00	2109.07	-9.02	9.27	12.9	134.2	2.6	141.4
120.00	2119.06	-8.72	9.46	12.9	132.7	2.2	14.5
130.00	2129.05	-8.33	9.49	12.6	131.3	2.5	352.3
140.00	2139.04	-7.91	9.50	12.4	129.8	2.2	350.1
150.00	2149.04	-7.57	9.58	12.2	128.3	1.8	0.8
160.00	2159.03	-7.26	9.58	12.0	127.1	1.6	31.7
170.00	2169.03	-7.02	9.62	11.9	126.1	1.5	354.9
180.00	2179.03	-6.78	9.62	11.8	125.2	1.3	347.3
190.00	2189.02	-6.56	9.59	11.6	124.4	1.2	354.7
200.00	2199.02	-6.34	9.55	11.5	123.6	1.3	357.6
210.00	2209.02	-6.11	9.54	11.3	122.6	1.3	359.5
220.00	2219.02	-5.90	9.54	11.2	121.7	1.2	305.4
230.00	2229.01	-5.68	9.53	11.1	120.8	1.3	341.1
240.00	2239.01	-5.44	9.50	10.9	119.8	1.4	356.7
250.00	2249.01	-5.22	9.49	10.8	118.8	1.3	345.1
260.00	2259.01	-4.99	9.49	10.7	117.7	1.3	3.3
270.00	2269.00	-4.73	9.48	10.6	116.5	1.7	8.9
280.00	2279.00	-4.45	9.48	10.5	115.2	1.6	1.9
290.00	2288.99	-4.17	9.50	10.4	113.7	1.6	11.0
300.00	2298.99	-3.92	9.53	10.3	112.4	1.4	347.2
310.00	2308.99	-3.92	9.47	10.3	112.5	1.5	174.8
320.00	2318.98	-3.87	9.43	10.2	112.3	1.3	359.9
330.00	2328.98	-3.64	9.45	10.1	111.1	1.3	11.3
340.00	2338.98	-3.41	9.44	10.0	109.8	1.5	8.0
350.00	2348.97	-3.18	9.48	10.0	108.5	1.4	8.4
360.00	2358.97	-3.06	9.47	10.0	107.9	1.4	7.5
370.00	2368.97	-2.97	9.46	9.9	107.5	1.1	346.3
380.00	2378.97	-2.81	9.49	9.9	106.5	0.8	4.5
390.00	2388.97	-2.65	9.50	9.9	105.6	1.1	6.3
400.00	2398.96	-2.47	9.51	9.8	104.6	1.0	3.6
410.00	2408.96	-2.28	9.49	9.8	103.5	1.4	351.0
420.00	2418.96	-2.16	9.47	9.7	102.8	1.3	192.6
430.00	2428.96	-2.15	9.52	9.8	102.7	1.2	5.9
440.00	2438.95	-2.19	9.36	9.6	103.2	1.2	258.3
450.00	2448.95	-1.97	9.30	9.5	101.9	1.7	334.5
460.00	2458.95	-1.69	9.28	9.4	100.3	1.4	3.8
470.00	2468.94	-1.44	9.27	9.4	98.9	1.4	4.9
480.00	2478.94	-1.21	9.23	9.3	97.4	1.5	336.6
490.00	2488.94	-0.98	9.15	9.2	96.1	1.4	319.2
493.50	2492.44	-0.91	9.09	9.1	95.7	1.6	314.2

060.00	1059.37	-3.81	6.36	7.4	120.9	2.4	186.0
070.00	1069.36	-4.17	6.26	7.5	123.7	2.0	189.0
080.00	1079.35	-4.53	6.20	7.7	126.1	2.4	188.8
090.00	1089.34	-4.90	6.15	7.9	128.6	2.2	184.1
100.00	1099.34	-5.26	6.06	8.0	131.0	2.0	192.8
110.00	1109.33	-5.57	6.01	8.2	132.9	2.0	187.4
120.00	1119.33	-5.90	5.91	8.4	135.0	1.9	197.5
130.00	1129.32	-6.23	5.85	8.5	136.8	2.1	189.0
140.00	1139.31	-6.60	5.82	8.8	138.6	2.2	189.3
150.00	1149.31	-6.92	5.76	9.0	140.2	1.7	187.9
160.00	1159.30	-7.21	5.77	9.2	141.4	1.7	169.5
170.00	1169.30	-7.50	5.78	9.5	142.4	1.7	179.8
180.00	1179.29	-7.77	5.83	9.7	143.1	1.7	166.2
190.00	1189.29	-8.06	5.88	10.0	143.9	1.6	177.6
200.00	1199.29	-8.33	5.93	10.2	144.6	1.7	177.7
210.00	1209.28	-8.61	5.98	10.5	145.2	1.6	181.1
220.00	1219.28	-8.86	6.05	10.7	145.7	1.6	159.0
230.00	1229.27	-9.13	6.11	11.0	146.2	1.8	247.9
240.00	1239.27	-9.12	6.14	11.0	146.0	1.6	226.2
250.00	1249.27	-9.27	6.18	11.1	146.3	1.7	159.8
260.00	1259.26	-9.53	6.24	11.4	146.8	1.5	158.4
270.00	1269.26	-9.77	6.32	11.6	147.1	1.6	169.5
280.00	1279.25	-10.05	6.42	11.9	147.4	1.9	159.2
290.00	1289.25	-10.36	6.52	12.2	147.8	1.9	160.7
300.00	1299.24	-10.65	6.62	12.5	148.1	1.9	160.7
310.00	1309.24	-10.94	6.71	12.8	148.5	1.8	162.5
320.00	1319.23	-11.22	6.80	13.1	148.8	1.7	160.5
330.00	1329.23	-11.49	6.88	13.4	149.1	1.7	164.8
340.00	1339.22	-11.74	6.95	13.6	149.4	1.5	162.3
350.00	1349.22	-11.98	7.02	13.9	149.6	1.4	158.5
360.00	1359.22	-12.21	7.10	14.1	149.8	1.3	165.6
370.00	1369.22	-12.37	7.22	14.3	149.7	1.4	132.4
380.00	1379.21	-12.56	7.24	14.5	150.0	0.9	167.8
390.00	1389.21	-12.72	7.31	14.7	150.1	1.1	151.1
400.00	1399.21	-12.86	7.39	14.8	150.1	0.8	160.8
410.00	1409.21	-13.00	7.44	15.0	150.2	1.0	134.0
420.00	1419.21	-13.14	7.55	15.2	150.1	1.0	133.8
430.00	1429.21	-13.26	7.65	15.3	150.0	0.9	131.6
440.00	1439.20	-13.35	7.76	15.4	149.8	0.7	130.3
450.00	1449.20	-13.43	7.88	15.6	149.6	0.8	118.5
460.00	1459.20	-13.49	7.99	15.7	149.3	0.7	112.8
470.00	1469.20	-13.55	8.06	15.8	149.3	0.6	133.5
480.00	1479.20	-13.58	8.15	15.8	149.0	0.5	97.2
490.00	1489.20	-13.53	8.19	15.8	148.8	0.6	14.5
500.00	1499.20	-13.52	8.26	15.8	148.6	0.5	104.1
510.00	1509.20	-13.52	8.33	15.9	148.4	0.5	2.4
520.00	1519.20	-13.48	8.34	15.9	148.3	0.1	73.5
530.00	1529.20	-13.48	8.35	15.9	148.2	0.1	48.8
540.00	1539.20	-13.49	8.36	15.9	148.2	0.2	156.2
550.00	1549.20	-13.53	8.36	15.9	148.3	0.3	189.4
560.00	1559.20	-13.61	8.34	16.0	148.5	0.6	195.4
570.00	1569.20	-13.70	8.31	16.0	148.8	0.7	202.9
580.00	1579.20	-13.81	8.25	16.1	149.1	0.7	204.9
590.00	1589.20	-13.93	8.18	16.2	149.6	0.8	194.3
600.00	1599.20	-14.06	8.15	16.3	149.9	0.8	199.5
610.00	1609.20	-14.14	8.09	16.3	150.2	0.5	205.1
620.00	1619.20	-14.22	8.04	16.3	150.5	0.5	222.5
630.00	1629.20	-14.27	8.01	16.4	150.7	0.4	215.0
640.00	1639.19	-14.30	7.99	16.4	150.8	0.5	257.6
650.00	1649.19	-14.31	7.99	16.4	150.8	0.4	165.3
660.00	1659.19	-14.37	7.98	16.4	151.0	0.4	206.3
670.00	1669.19	-14.41	7.96	16.5	151.1	0.2	208.9
680.00	1679.19	-14.45	7.95	16.5	151.2	0.2	191.6
690.00	1689.19	-14.48	7.94	16.5	151.3	0.2	203.4
700.00	1699.19	-14.50	7.93	16.5	151.3	0.1	190.0
710.00	1709.19	-14.52	7.93	16.5	151.4	0.1	202.6
720.00	1719.19	-14.53	7.92	16.6	151.4	0.1	219.0
730.00	1729.19	-14.53	7.91	16.5	151.4	0.1	179.2
740.00	1739.19	-14.55	7.89	16.6	151.5	0.3	226.6
750.00	1749.19	-14.59	7.85	16.6	151.7	0.2	239.1
760.00	1759.19	-14.60	7.82	16.6	151.8	0.3	236.3
770.00	1769.19	-14.63	7.78	16.6	152.0	0.3	222.1
780.00	1779.19	-14.68	7.75	16.6	152.2	0.4	198.5
790.00	1789.19	-14.73	7.71	16.6	152.4	0.3	204.0
800.00	1799.19	-14.77	7.70	16.7	152.5	0.2	116.4
810.00	1809.19	-14.76	7.73	16.7	152.4	0.2	92.4
820.00	1819.19	-14.76	7.77	16.7	152.2	0.2	45.5
830.00	1829.19	-14.74	7.76	16.7	152.2	0.2	280.6
840.00	1839.19	-14.72	7.74	16.6	152.3	0.2	39.7
850.00	1849.19	-14.69	7.75	16.6	152.2	0.1	353.6
860.00	1859.19	-14.66	7.74	16.6	152.2	0.2	255.9
870.00	1869.19	-14.66	7.72	16.6	152.2	0.1	259.8
880.00	1879.19	-14.66	7.72	16.6	152.2	0.0	352.7
890.00	1889.19	-14.63	7.73	16.5	152.1	0.3	36.7
900.00	1899.19	-14.56	7.77	16.5	151.9	0.9	10.2
910.00	1909.19	-14.44	7.82	16.4	151.6	1.0	22.8
920.00	1919.19	-14.25	7.91	16.3	151.0	1.4	22.5
930.00	1929.19	-14.02	7.98	16.1	150.4	1.4	14.4
940.00	1939.18	-13.76	8.04	15.9	149.7	1.6	11.1
950.00	1949.18	-13.50	8.12	15.8	149.0	1.9	5.2
960.00	1959.17	-13.22	8.19	15.5	148.2	1.7	5.5
970.00	1969.17	-12.93	8.25	15.3	147.4	1.8	11.8
980.00	1979.16	-12.62	8.32	15.1	146.6	1.8	11.5
990.00	1989.16	-12.31	8.39	14.9	145.7	2.0	15.5
2000.00	1999.15	-11.98	8.45	14.7	144.8	1.7	9.6
2010.00	2009.15	-11.67	8.54	14.5	143.8	2.1	343.0
2020.00	2019.14	-11.34	8.58	14.2	142.9	2.1	21.1

140.00	139.90	0.37	1.06	1.1	70.6	2.3	48.4
150.00	149.90	0.70	1.19	1.4	59.5	2.1	359.4
160.00	159.89	1.06	1.13	1.6	47.0	2.0	354.8
170.00	169.88	1.40	1.27	1.9	42.4	2.3	39.9
180.00	179.87	1.69	1.54	2.3	42.3	2.3	41.3
190.00	189.87	2.06	1.66	2.6	38.9	2.2	0.9
200.00	199.86	2.41	1.60	2.9	33.6	2.0	342.1
210.00	209.85	2.77	1.62	3.2	30.4	2.2	16.1
220.00	219.84	3.11	1.84	3.6	30.6	2.5	44.5
230.00	229.84	3.27	2.22	4.0	34.2	2.6	76.9
240.00	239.83	3.34	2.67	4.3	38.6	2.6	89.6
250.00	249.82	3.49	3.08	4.7	41.5	2.5	74.9
260.00	259.81	3.39	3.48	4.9	45.7	2.4	139.0
270.00	269.80	3.04	3.71	4.8	50.6	2.4	142.1
280.00	279.79	2.74	3.98	4.8	55.5	2.3	144.7
290.00	289.78	2.43	4.28	4.9	60.4	2.5	127.2
300.00	299.77	2.15	4.58	5.1	64.8	2.3	130.4
310.00	309.76	1.85	4.85	5.2	69.1	2.2	150.6
320.00	319.76	1.57	4.71	5.0	71.6	2.0	231.8
330.00	329.75	1.50	4.35	4.6	71.0	2.2	265.8
340.00	339.74	1.45	4.00	4.3	70.1	2.0	269.0
350.00	349.74	1.41	3.65	3.9	68.9	2.1	260.9
360.00	359.73	1.45	3.31	3.6	66.4	1.7	311.2
370.00	369.72	1.75	3.14	3.6	60.9	2.1	350.6
380.00	379.72	2.11	3.25	3.9	57.0	2.3	36.7
390.00	389.71	2.37	3.57	4.3	56.4	2.4	62.7
400.00	399.70	2.45	3.98	4.7	58.4	2.6	78.0
410.00	409.69	2.52	4.40	5.1	60.2	2.3	91.8
420.00	419.68	2.51	4.81	5.4	62.5	2.4	95.8
430.00	429.67	2.49	5.21	5.8	64.4	2.3	80.7
440.00	439.66	2.62	5.61	6.2	65.0	2.5	89.5
450.00	449.65	2.57	6.03	6.6	66.9	2.4	117.3
460.00	459.65	2.30	6.34	6.7	70.1	2.0	90.3
470.00	469.64	2.11	6.64	7.0	72.4	2.6	72.1
480.00	479.63	2.40	6.91	7.3	70.9	2.5	48.0
490.00	489.62	2.70	7.18	7.7	69.4	2.3	30.8
500.00	499.61	3.07	7.28	7.9	67.1	2.2	6.6
510.00	509.60	3.44	7.38	8.1	65.0	2.3	30.9
520.00	519.60	3.80	7.44	8.3	62.9	2.1	356.0
530.00	529.59	4.14	7.33	8.4	60.5	2.0	350.9
540.00	539.58	4.49	7.37	8.6	58.6	2.4	44.5
550.00	549.58	4.81	7.61	9.0	57.7	2.3	30.8
560.00	559.57	5.15	7.77	9.3	56.4	2.2	17.0
570.00	569.56	5.51	7.85	9.6	54.9	2.1	18.7
580.00	579.56	5.74	7.95	9.8	54.2	0.4	177.9
590.00	589.56	5.68	7.99	9.8	54.6	0.7	135.0
600.00	599.56	5.62	8.02	9.8	55.0	0.4	175.9
610.00	609.56	5.57	8.05	9.8	55.3	0.5	143.1
620.00	619.56	5.51	8.07	9.8	55.7	0.3	288.0
630.00	629.55	5.52	8.04	9.8	55.5	0.3	130.3
640.00	639.55	5.49	8.07	9.8	55.8	0.2	119.2
650.00	649.55	5.45	8.10	9.8	56.1	0.4	148.8
660.00	659.55	5.41	8.08	9.7	56.2	0.5	186.3
670.00	669.55	5.44	8.14	9.8	56.2	0.7	148.4
680.00	679.55	5.34	8.15	9.7	56.8	0.9	199.4
690.00	689.55	5.24	8.20	9.7	57.4	0.9	111.4
700.00	699.55	5.15	8.15	9.6	57.7	0.7	202.7
710.00	709.55	5.03	8.23	9.6	58.6	1.1	192.0
720.00	719.55	4.93	8.12	9.5	58.7	1.3	341.9
730.00	729.54	4.98	8.04	9.5	58.2	1.3	219.4
740.00	739.54	4.78	7.96	9.3	59.0	1.2	200.7
750.00	749.54	4.59	7.90	9.1	59.8	1.3	194.5
760.00	759.54	4.38	7.82	9.0	60.7	1.3	197.6
770.00	769.53	4.17	7.76	8.8	61.7	1.3	302.0
780.00	779.53	3.95	7.68	8.6	62.8	1.4	201.5
790.00	789.53	3.71	7.62	8.5	64.0	1.5	200.1
800.00	799.53	3.48	7.54	8.3	65.3	1.4	190.9
810.00	809.52	3.23	7.47	8.1	66.6	1.5	198.5
820.00	819.52	2.98	7.41	8.0	68.1	1.6	193.7
830.00	829.51	2.72	7.33	7.8	69.6	1.5	195.6
840.00	839.51	2.46	7.26	7.7	71.3	1.6	212.7
850.00	849.51	2.33	7.28	7.6	72.3	1.2	12.8
860.00	859.50	2.42	7.20	7.6	71.4	1.2	312.3
870.00	869.50	2.29	7.27	7.6	72.5	1.3	184.1
880.00	879.50	2.07	7.28	7.6	74.1	1.3	170.6
890.00	889.50	1.85	7.26	7.5	75.7	1.4	162.0
900.00	899.49	1.62	7.31	7.5	77.5	1.4	187.4
910.00	909.49	1.38	7.31	7.4	79.3	1.5	179.9
920.00	919.49	1.15	7.28	7.4	81.0	1.5	244.7
930.00	929.48	0.97	7.13	7.2	82.2	1.9	206.8
940.00	939.48	0.67	7.06	7.1	84.6	2.3	175.7
950.00	949.47	0.29	7.10	7.1	87.7	2.4	175.3
960.00	959.46	-0.12	7.13	7.1	90.9	2.4	178.5
970.00	969.45	-0.52	7.16	7.2	94.2	2.4	177.1
980.00	979.44	-0.92	7.19	7.2	97.3	2.4	176.4
990.00	989.44	-0.85	6.88	6.9	97.1	2.1	196.3
000.00	999.43	-1.25	6.81	6.9	100.4	2.4	191.3
010.00	1009.42	-1.65	6.75	6.9	103.7	2.5	187.1
020.00	1019.41	-2.09	6.67	7.0	107.4	2.8	188.8
030.00	1029.40	-2.54	6.60	7.1	111.1	2.7	188.3
040.00	1039.39	-2.98	6.50	7.1	114.6	2.5	191.6
050.00	1049.38	-3.40	6.43	7.3	117.9	2.6	193.4
060.00	1059.37	-3.81	6.36	7.4	120.9	2.4	188.0
070.00	1069.36	-4.17	6.26	7.5	123.7	2.0	189.0
080.00	1079.35	-4.53	6.20	7.7	126.1	2.4	188.8
090.00	1089.34	-4.90	6.15	7.9	128.6	2.2	184.1
100.00	1099.34	-5.26	6.06	8.0	131.0	2.0	192.8

Well: E22A

Casing & Tubing Program

	Casing	Casing Interval	Hole Size	Cement used in cu/ft	Cemented to Surface Yes	Cemented to Surface No	Date Cemented
Conductor	13 3/8"	16.5'	15 3/8"			X	4/27/07
Surface	9 5/8"	572.30'	12 3/8"	288		X	5/1/07
Water Protection	4 1/2"	2330.03'	6 1/2"	536.8	X		5/4/07
Coal Protection	4 1/2"	2330.03'	6 1/2"	536.8	X		5/4/07
Other Casing & Tubing							
Other Casing & Tubing							
Liners							

Packers or Bridge Plugs Kind/Size/Set
Bkt @ 396'

DRILL DATA HOLE-NOAH HORN WELL DRILLING, INC

COMPANY: CNX **HOLE #: E-22A**

LOCATION: LOWER BIG BRANCH **DRILL RIG #: 17**

DATE STARTED: 04-27-07 **DATED COMPLETED: 05-04-07**

ELECTRIC LOGGED:YES **GROUTED:YES**

DEPTH		THICKNESS	STRATA REMARKS
FROM	TO	FT	DESCRIPTION,VOIDS ETC
0	5	5	OVERBURDEN
5	16.5	11.5	SAND STONE
16.5	40	23.5	SHALE
40	70	30	SHALE
70	85	15	SANDY SHALE
85	100	15	SANDY SHALE
100	130	30	SANDY SHALE/COAL/SANDY SHALE
130	160	30	SANDY SHALE/SAND
160	190	30	SAND STONE
190	220	30	SAND/SANDY SHALE
220	250	30	SANDY SHALE
250	280	30	SANDY SHALE/COAL/SANDY SHALE
280	310	30	SANDY SHALE/COAL
310	340	30	SANDY SHALE/SAND
340	370	30	SAND STONE
370			
370	400	30	SAND STONE/SANDY SHALE/COAL
400	430	30	SANDY SHALE
430	460	30	SANDY SHALE/SHALE
460	465	5	SHALE
465	468	3	VOID
468	490	22	SANDY SHALE/SHALE
490	520	30	SHALE/SANDY SHALE
520	590	70	SANDY SHALE
590	600	10	SANDY SHALE
600	630	30	SANDY SHALE/COAL
630	660	30	SANDY SHALE/COAL/SANDY SHALE
660	720	60	SAND STONE
720	750	30	SAND STONE/SANDY SHALE/COAL
750	810	60	SAND STONE
810	840	30	SAND STONE/SANDY SHALE
840	870	30	SANDY SHALE/COAL
870	930	60	SANDY SHALE
930	960	30	SANDY SHALE/COAL/SHALE
960	990	30	SHALE/COAL
990	1020	30	SHALE/SANDY SHALE/COAL
1020	1050	30	SHALE/SANDY SHALE
1050	1080	30	SANDY SHALE/SHALE/COAL
1080	1140	60	SANDY SHALE
1140	1170	30	SANDY SHALE/SHALE
1170	1200	30	SHALE/SANDY SHALE/SAND STONE
1200	1230	30	SANDY SHALE/SAND STONE

1230	1260	30	SAND STONE
1260	1290	30	SAND STONE/COAL/SANDY SHALE
1290	1320	30	SANDY SHALE
1320	1350	30	SANDY SHALE/SHALE/COAL
1350	1410	60	SAND STONE/SANDY SHALE
1410	1470	60	SANDY SHALE/COAL
1470			
1470	1500	30	SAND STONE
1500	1530	30	SAND/SANDY SHALE
1530	1590	60	SAND/SHALE/COAL
1590	1620	30	SAND/COAL/SHALE
1620	1650	30	SANDY SHALE/COAL/SANDY SHALE
1650	1680	30	SAND/SHALE
1680	1710	30	SANDY SHALE/SAND
1710	1740	30	SAND/SANDY SHALE
1740	1770	30	SANDY SHALE/COAL/SANDY SHALE
1770	1800	30	SANDY SHALE
1800	1820	20	SANDY SHALE/SAND
1820	1830	10	SANDY SHALE/COAL
1830	1860	30	SANDY SHALE/SHALE/COAL
1860	1890	30	SANDY SHALE
1890	1920	30	SANDY SHALE/COAL/SANDY SHALE
1920	1950	30	SANDY SHALE/SHALE
1950	1980	30	SAND STONE/SHALE
1980	2010	30	SAND STONE/SANDY SHALE
2010	2100	90	SAND STONE
2100	2130	30	SANDY SHALE/COAL/SANDY SHALE
2130			
2130	2160	30	SANDY SHALE
2160	2190	30	SANDY SHALE/SAND
2190	2218	28	SAND/SANDY SHALE
2218	2222	4	COAL P-3
2222	2250	28	SANDY SHALE/SAND
2250	2280	30	SAND/COAL/SANDY SHALE
2280	2310	30	SANDY SHALE/COAL/SANDY SHALE
2310	2370	60	SAND STONE
2370	2400	30	SAND/SHALE
2400	2460	60	SAND STONE
2460	2500	40	

2500' – TOTAL DEPTH
16.5' – 13 3/8" CASING
572.30' – 7" CASING
2330.03' – 4 ½" CASING