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:	560
Company:	CNX Gas Company LLC
File Number:	BU-3277
Operations Name:	CBM C21A W/PL
Operation Type:	Coalbed/Pipeline
Drilling Report Type:	Original

DRILLING REPORT (DGO-GO-14)

1. Drilling Data

Date drilling commenced: 4/12/2007
Drilling Contractor: Noah Horn
Date drilling completed: 4/17/2007
Rig Type: ☑ Rotary ☐ Cable Tool
Driller's Total Depth (feet): 1,830
Log Total Depth (feet): 1,803
Coal Seam At Total Depth: Pocahontas

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

Permitted State Plane X: 983,100
Final Plat State Plane X: 983,100
Permitted State Plane Y: 362,153
Final Plat State Plane Y: 362,146
☐ Plat Previously Submitted Or...

List of Attached Items:

Description	FileName
plat	C21A 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	C21A Exhibit A.pdf

Gas and Oil Shows

List of Attached Items:

Description	FileName
Gas Show	C21A 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
deviatiion	C21A Deviation.pdf

6. Casing and Tubing Program

List of Attached Items:

Description	FileName
casing	C21A 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.

8. Drillers Log

Compiled By: Noah Horn

List of Attached Items:

Description	FileName
Drill Data	C21A Drill Data.pdf

9. Comments

10. Signature

Permitee: CNX Gas Company LLC Date: 7/24/2007 *(Company)*

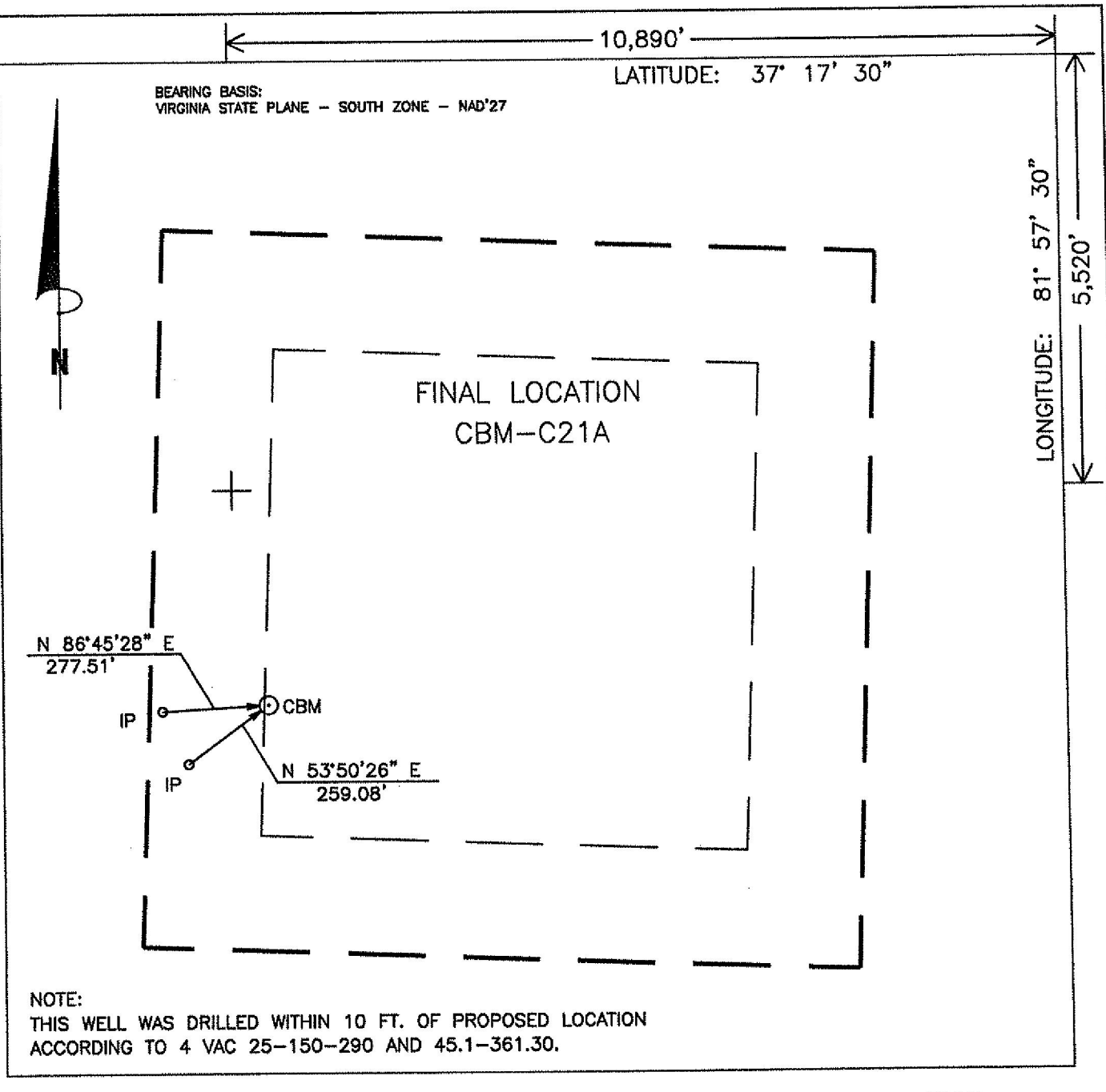
Signed By: Leslie K Arrington Title: Manager *(Signature)*

INTERNAL USE ONLY

Submit Date: 7/24/2007

Status: Inspr Approved Date: 8/9/2007

Final PDF Date: 8/9/2007



NOTE:
THIS WELL WAS DRILLED WITHIN 10 FT. OF PROPOSED LOCATION
ACCORDING TO 4 VAC 25–150–290 AND 45.1–361.30.

C21AFNL
1N14/193–596/07

WELL LOCATION PLAT

COMPANY CNX GAS COMPANY, LLC. WELL NAME OR NUMBER CBM–C21A

TRACT NUMBER CONSOLIDATION COAL QUADRANGLE PATTERSON

DISTRICT: GARDEN

WELL COORDINATES (VIRGINIA STATE PLANE): STATE PLANE: N 362,146.35 E 983,099.64

ELEVATION: 1629.19' METHOD USED TO DETERMINE ELEVATION: BY TRIG. LEVELS FROM CONSOL INC BM'S

COUNTY BUCHANAN Scale: 1" = 400' Date 04–19–07

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).

D.R. Price

Licensed Professional Engineer or Licensed Land Surveyor (Affix Seal)

COMMONWEALTH OF VIRGINIA
D. R. PRICE
LICENSE No.
8540
4/19/07
PROFESSIONAL ENGINEER

Form DGO–GO–7
Rev. 10/96

Exhibit A

Well Name: 07 CBM C21A
SURFACE ELEV: 1629.19 EASTING: 983099.64 NORTHING: 362146.35

SEAM	DEPTH	DEPTH	ELEVATION	THK	REMARKS

Exhibit A

Well Name: 07 CBM C21A
SURFACE ELEV: 1629.19 EASTING: 983099.64 NORTHING: 362146.35

SEAM	DEPTH FROM (FT)	DEPTH TO (FT)	ELEVATION (TOSE)	THK. (FT)	REMARKS
KN2	54.80	55.90	1574.39	1.10	
	55.90	173.30	1573.29	117.40	
AL2	173.30	174.10	1455.89	0.80	
	174.10	261.00	1455.09	86.90	
RA2	261.00	262.60	1368.19	1.60	
	262.60	384.10	1366.59	121.50	
JB1	384.10	385.10	1245.09	1.00	
	385.10	414.80	1244.09	29.70	
JB3	414.80	416.40	1214.39	1.60	
	416.40	443.30	1212.79	26.90	
T2	443.30	444.10	1185.89	0.80	
	444.10	475.10	1185.09	31.00	
T1	475.10	475.50	1154.09	0.40	
	475.50	587.80	1153.69	112.30	
US1	587.80	587.90	1041.39	0.10	
	587.90	734.20	1041.29	146.30	
GC2	734.20	734.60	894.99	0.40	
GC2	734.60	734.90	894.59	0.30	
GC2	734.90	735.50	894.29	0.60	
	735.50	824.50	893.69	89.00	
*SE2	824.50	825.50	804.69	1.00	
	825.50	826.10	803.69	0.60	
*SE3	826.10	827.10	803.09	1.00	
	827.10	850.90	802.09	23.80	
*LS1	850.90	851.20	778.29	0.30	
	851.20	925.00	777.99	73.80	
*UH1	925.00	925.50	704.19	0.50	
	925.50	973.40	703.69	47.90	
*UH2	973.40	974.00	655.79	0.60	
	974.00	1015.30	655.19	41.30	
*MH1	1015.30	1017.00	613.89	1.70	
	1017.00	1123.20	612.19	106.20	
*P11	1123.20	1126.00	505.99	2.80	
*P10	1126.00	1127.50	503.19	1.50	
	1127.50	1234.00	501.69	106.50	
*P92	1234.00	1235.30	395.19	1.30	
	1235.30	1329.20	393.89	93.90	
*P81	1329.20	1331.00	299.99	1.80	
	1331.00	1498.70	298.19	167.70	
*P52	1498.70	1504.10	130.49	5.40	
	1504.10	1521.50	125.09	17.40	
*P41	1521.50	1522.00	107.69	0.50	
	1522.00	1525.90	107.19	3.90	
*P42	1525.90	1526.20	103.29	0.30	
	1526.20	1604.90	102.99	78.70	
*P3	1604.90	1608.80	24.29	3.90	
	1608.80	1666.00	20.39	57.20	

*P01	1666.00	1666.30	-36.81	0.30
	1666.30	1667.20	-37.11	0.90
*COAL	1667.20	1667.70	-38.01	0.50
	1667.70	1783.50	-38.51	115.80
*SJ1	1783.50	1784.10	-154.31	0.60
	1784.10	1830.00	-154.91	45.90

COAL SEAMS TO BE STIMULATED WERE ADJUSTED DUE TO THE GAS WELL'S PROXIMITY TO LOWER BIG BRANCH.
GAMMA-CALIPER LOG FROM 0 TO 220.00
GAMMA-DENSITY LOG FROM 220.00 TO TD.
NOTE: FOOTAGE NOT ADJUSTED FOR DEVIATION
FILE: D:\PROJECTS\VP_JJK\GAS\C21A.CMP
DATE: 05/03/07

Oil & Gas Show

Formation	Top	Bottom	Thickness	IPF (MCFD/BOPD)	Pressure
Lee/Norton	824	1331	507		
Pocahontas	1499	1609	110		
				No Show	

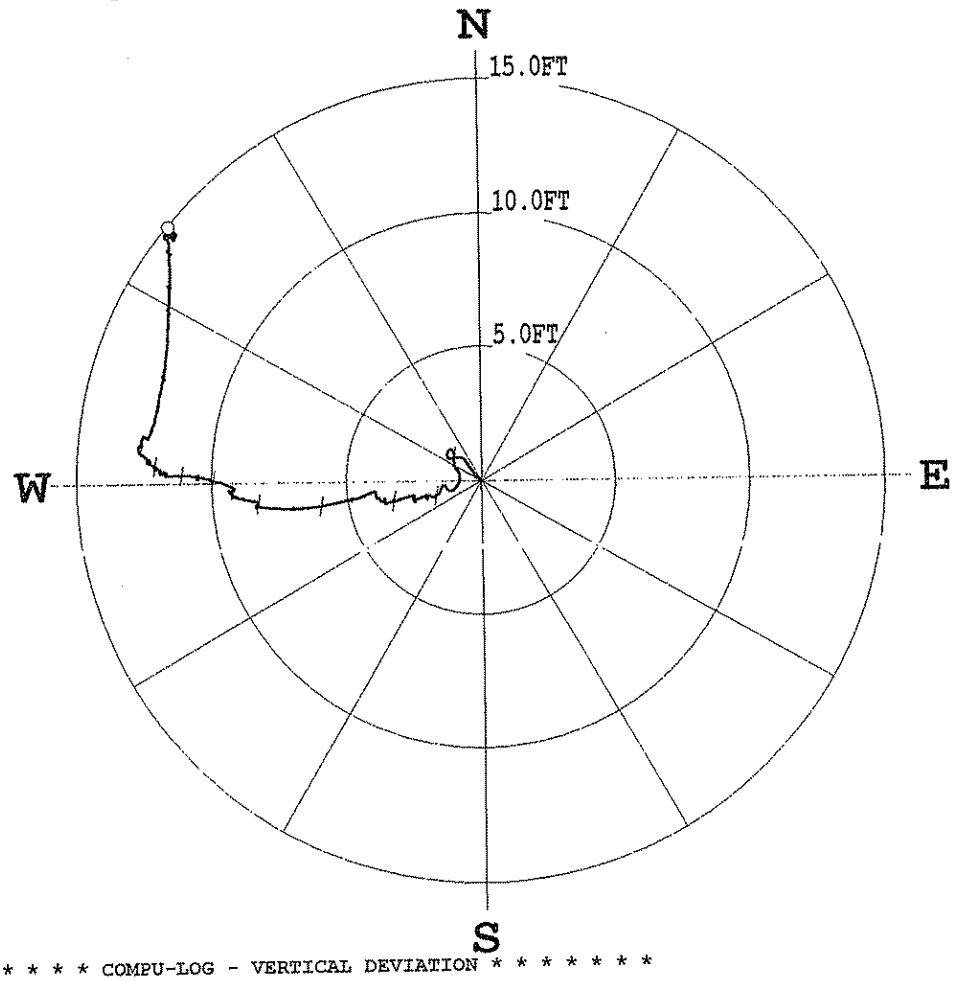
Hours Tested

PLAN VIEW
COMPU-LOG DEVIATION

IENT: CNX-GAS
CATION: -
LE ID: 07-CNX-C-21A
TE OF LOG: 04/17/07
OBE: 9136CH 1244

MAG DECL: -7.1

SCALE: 5 FT/IN
TRUE DEPTH: 1802.60 FT
AZIMUTH: 309.9
DISTANCE: 14.9 FT
+ = 150 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-C-21A_04-17-07_09-58_9136CH_.10_0.00_1803.00_DEVI.log

HOLE ID. : 07-CNX-C-21A
DATE OF LOG : 04/17/07
PROBE : 9136CH , 1244
DEPTH UNITS : FEET

ABLE 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	-0.03	0.0	306.3	1.2	157.1
20.00	20.00	0.09	-0.03	0.1	342.8	1.3	286.4
30.00	29.99	0.15	-0.16	0.2	311.8	1.2	233.7
40.00	39.99	0.21	-0.25	0.3	310.4	1.2	32.9
50.00	49.99	0.28	-0.26	0.4	317.1	1.2	321.9
60.00	59.99	0.44	-0.39	0.6	318.6	1.3	317.1
70.00	69.99	0.62	-0.51	0.8	320.6	1.3	321.2
80.00	79.98	0.79	-0.62	1.0	321.6	1.1	326.1
90.00	89.98	0.87	-0.82	1.2	316.8	1.2	272.8
100.00	99.98	0.83	-1.06	1.3	308.1	1.4	257.5
110.00	109.98	0.89	-1.25	1.5	305.4	1.1	336.3
120.00	119.97	1.04	-1.25	1.6	309.7	0.8	2.5
130.00	129.97	1.15	-1.18	1.6	314.2	0.8	56.6
140.00	139.97	1.10	-1.03	1.5	316.9	1.2	158.6
150.00	149.97	0.88	-1.00	1.3	311.3	1.2	178 2
160.00	159.97	0.65	-1.00	1.2	303.1	1.3	176.3
170.00	169.96	0.45	-0.93	1.0	295.7	1.1	139.8
180.00	179.96	0.28	-0.82	0.9	289.1	1.1	148.0
190.00	189.96	0.06	-0.81	0.8	274.5	1.3	191.3
200.00	199.96	-0.15	-0.88	0.9	260.3	1.3	207.2
210.00	209.95	-0.34	-1.04	1.1	251.8	1.4	243.2
220.00	219.95	-0.34	-1.24	1.3	254.7	1.2	314.5
				1.4	261.8	1.2	306.9

160.00	159.97	0.65	-1.00	1.2	303.1	1.3	176.3
170.00	169.96	0.45	-0.93	1.0	295.7	1.1	139.8
180.00	179.96	0.28	-0.82	0.9	289.1	1.1	148.0
190.00	189.96	0.06	-0.81	0.8	274.5	1.3	191.3
200.00	199.96	-0.15	-0.88	0.9	260.3	1.3	207.2
210.00	209.95	-0.34	-1.04	1.1	251.8	1.4	243.2
220.00	219.95	-0.34	-1.24	1.3	254.7	1.2	314.5
230.00	229.95	-0.19	-1.35	1.4	261.8	1.2	306.9
240.00	239.95	-0.20	-1.46	1.5	262.2	0.1	100.3
250.00	249.95	-0.24	-1.47	1.5	260.6	0.6	191.4
260.00	259.95	-0.31	-1.51	1.5	258.3	0.5	220.2
270.00	269.95	-0.38	-1.54	1.6	256.2	0.4	260.0
280.00	279.95	-0.44	-1.56	1.6	254.3	0.3	212.0
290.00	289.95	-0.49	-1.61	1.7	253.0	0.8	265.9
300.00	299.95	-0.54	-1.68	1.8	252.2	0.8	204.9
310.00	309.95	-0.60	-1.75	1.9	251.0	0.8	286.6
320.00	319.94	-0.57	-1.87	2.0	252.9	0.9	308.2
330.00	329.94	-0.54	-1.99	2.1	254.9	0.7	244.7
340.00	339.94	-0.56	-2.04	2.1	254.6	0.7	155.9
350.00	349.94	-0.66	-2.01	2.1	251.9	1.2	170.2
360.00	359.94	-0.56	-2.05	2.1	254.8	0.7	265.6
370.00	369.94	-0.59	-2.18	2.3	254.8	1.0	251.2
380.00	379.94	-0.64	-2.33	2.4	254.6	0.9	258.9
390.00	389.94	-0.70	-2.47	2.6	254.1	1.1	258.1
400.00	399.93	-0.65	-2.45	2.5	255.2	1.1	341.7
410.00	409.93	-0.68	-2.51	2.6	254.8	1.6	20.3
420.00	419.93	-0.54	-2.56	2.6	258.0	1.3	247.6
430.00	429.93	-0.60	-2.78	2.8	257.8	1.2	292.3
440.00	439.92	-0.66	-3.00	3.1	257.6	1.4	253.5
450.00	449.92	-0.72	-3.24	3.3	257.5	1.8	289.1
460.00	459.92	-0.77	-3.27	3.4	256.8	1.5	14.9
470.00	469.92	-0.79	-3.44	3.5	257.1	1.2	247.5
480.00	479.91	-0.73	-3.56	3.6	258.4	1.0	30.1
490.00	489.91	-0.71	-3.64	3.7	258.9	1.0	220.0
500.00	499.91	-0.62	-3.79	3.8	260.7	1.2	317.6
510.00	509.90	-0.41	-3.93	3.9	264.1	1.9	313.4
520.00	519.90	-0.47	-4.19	4.2	263.7	1.8	236.2
530.00	529.89	-0.58	-4.47	4.5	262.7	1.7	250.0
540.00	539.89	-0.64	-4.75	4.8	262.3	1.5	260.1
550.00	549.89	-0.69	-4.79	4.8	261.8	1.7	27.0
560.00	559.88	-0.69	-5.00	5.0	262.2	1.3	259.6
570.00	569.88	-0.74	-5.23	5.3	261.9	1.2	255.3
580.00	579.88	-0.80	-5.47	5.5	261.7	1.3	259.1
590.00	589.88	-0.84	-5.68	5.7	261.6	1.2	245.4
600.00	599.87	-0.89	-5.92	6.0	261.5	1.5	257.2
610.00	609.87	-0.92	-6.17	6.2	261.5	1.3	264.6
620.00	619.87	-0.95	-6.40	6.5	261.5	1.3	261.3
630.00	629.86	-0.96	-6.57	6.6	261.7	1.3	221.1
640.00	639.86	-0.96	-6.74	6.8	261.9	1.4	260.2
650.00	649.86	-0.95	-6.94	7.0	262.2	1.5	55.6
660.00	659.86	-0.98	-7.00	7.1	262.0	0.8	242.1
670.00	669.86	-0.98	-7.16	7.2	262.2	1.1	296.0
680.00	679.85	-0.96	-7.33	7.4	262.6	0.8	273.7
690.00	689.85	-0.95	-7.50	7.6	262.8	1.0	269.3
700.00	699.85	-0.94	-7.67	7.7	263.0	0.9	261.9
710.00	709.85	-0.93	-7.85	7.9	263.2	1.1	276.8
720.00	719.85	-0.92	-8.04	8.1	263.5	1.1	277.3
730.00	729.85	-0.90	-8.25	8.3	263.8	1.1	273.0
740.00	739.84	-0.86	-8.33	8.4	264.1	1.5	123.4
750.00	749.84	-0.79	-8.26	8.3	264.6	1.5	56.3
760.00	759.84	-0.69	-8.38	8.4	265.3	1.2	287.0
770.00	769.83	-0.64	-8.62	8.6	265.7	1.3	267.7
780.00	779.83	-0.57	-8.84	8.9	266.3	1.3	279.7
790.00	789.83	-0.54	-9.02	9.0	266.6	1.1	282.3
800.00	799.83	-0.48	-9.19	9.2	267.0	0.9	306.1
810.00	809.83	-0.54	-9.20	9.2	266.7	1.3	56.0
820.00	819.82	-0.39	-9.27	9.3	267.6	1.0	309.1
830.00	829.82	-0.30	-9.35	9.4	268.2	1.1	4.1
840.00	839.82	-0.30	-9.20	9.2	268.1	1.1	45.9
850.00	849.82	-0.16	-9.21	9.2	269.0	1.0	303.2
860.00	859.82	-0.08	-9.36	9.4	269.5	0.9	282.3
870.00	869.82	-0.02	-9.52	9.5	269.9	1.0	306.5
880.00	879.82	0.03	-9.64	9.6	270.2	0.7	308.8
890.00	889.82	0.06	-9.78	9.8	270.4	1.1	297.6
900.00	899.81	0.10	-9.92	9.9	270.6	0.8	278.6
910.00	909.81	0.16	-10.01	10.0	270.9	0.7	111.6
920.00	919.81	0.16	-10.05	10.0	270.9	0.5	325.2
930.00	929.81	0.19	-10.18	10.2	271.1	0.8	281.4
940.00	939.81	0.22	-10.28	10.3	271.2	0.6	280.0
950.00	949.81	0.23	-10.39	10.4	271.3	0.6	276.6
960.00	959.81	0.25	-10.51	10.5	271.4	0.7	311.3
970.00	969.81	0.24	-10.54	10.5	271.3	1.0	43.3
980.00	979.81	0.27	-10.48	10.5	271.5	0.3	301.5
990.00	989.81	0.18	-10.47	10.5	271.0	0.6	253.3
1000.00	999.81	0.22	-10.48	10.5	271.2	1.0	74.4
1010.00	1009.80	0.30	-10.54	10.5	271.6	0.8	253.7
1020.00	1019.80	0.29	-10.69	10.7	271.6	0.7	276.8
1030.00	1029.80	0.31	-10.83	10.8	271.6	1.9	264.9
1040.00	1039.80	0.30	-10.97	11.0	271.6	0.8	273.4
1050.00	1049.80	0.31	-11.09	11.1	271.6	0.6	261.8
1060.00	1059.80	0.31	-11.22	11.2	271.6	0.8	270.1
1070.00	1069.80	0.30	-11.36	11.4	271.5	0.7	272.0
1080.00	1079.80	0.32	-11.49	11.5	271.6	0.7	279.3
1090.00	1089.80	0.31	-11.61	11.6	271.5	0.8	266.7
1100.00	1099.80	0.34	-11.69	11.7	271.7	0.8	81.5
1110.00	1109.80	0.37	-11.65	11.7	271.8	1.1	348.3

1010.00	1009.80	0.30	-10.54	10.5	271.6	0.8	253.7
1020.00	1019.80	0.29	-10.69	10.7	271.6	0.7	276.8
1030.00	1029.80	0.31	-10.83	10.8	271.6	1.0	264.9
1040.00	1039.80	0.30	-10.97	11.0	271.6	0.8	273.4
1050.00	1049.80	0.31	-11.09	11.1	271.6	0.6	261.8
1060.00	1059.80	0.31	-11.22	11.2	271.6	0.8	270.1
1070.00	1069.80	0.30	-11.36	11.4	271.5	0.7	272.0
1080.00	1079.80	0.32	-11.49	11.5	271.6	0.7	279.3
1090.00	1089.80	0.31	-11.61	11.6	271.5	0.8	266.7
1100.00	1099.80	0.34	-11.69	11.7	271.7	0.8	81.5
1110.00	1109.80	0.37	-11.65	11.7	271.8	1.1	348.3
1120.00	1119.79	0.42	-11.77	11.8	272.0	0.6	320.9
1130.00	1129.79	0.44	-11.72	11.7	272.1	0.2	317.1
1140.00	1139.79	0.40	-11.84	11.8	271.9	0.8	271.8
1150.00	1149.79	0.49	-11.88	11.9	272.4	1.0	6.6
1160.00	1159.79	0.55	-11.99	12.0	272.6	0.8	278.3
1170.00	1169.79	0.61	-12.10	12.1	272.9	0.8	29.0
1180.00	1179.79	0.58	-12.07	12.1	272.8	0.8	223.5
1190.00	1189.79	0.57	-12.05	12.1	272.7	0.9	96.2
1200.00	1199.79	0.65	-12.09	12.1	273.1	0.7	315.8
1210.00	1209.79	0.70	-12.16	12.2	273.3	0.7	261.5
1220.00	1219.78	0.75	-12.26	12.3	273.5	0.6	294.0
1230.00	1229.78	0.81	-12.38	12.4	273.7	0.9	340.4
1240.00	1239.78	0.76	-12.34	12.4	273.5	0.4	112.8
1250.00	1249.78	0.89	-12.29	12.3	274.1	0.9	318.4
1260.00	1259.78	0.97	-12.41	12.4	274.5	0.9	289.2
1270.00	1269.78	1.06	-12.52	12.6	274.8	0.8	306.4
1280.00	1279.78	1.14	-12.62	12.7	275.1	0.7	297.8
1290.00	1289.78	1.21	-12.67	12.7	275.5	0.7	190.4
1300.00	1299.78	1.23	-12.66	12.7	275.5	0.2	138.3
1310.00	1309.78	1.31	-12.69	12.8	275.9	0.8	12.0
1320.00	1319.78	1.38	-12.68	12.8	276.2	0.3	17.1
1330.00	1329.78	1.40	-12.64	12.7	276.3	0.2	37.4
1340.00	1339.78	1.42	-12.59	12.7	276.4	0.5	71.4
1350.00	1349.78	1.41	-12.56	12.6	276.4	0.5	238.4
1360.00	1359.77	1.43	-12.59	12.7	276.5	0.7	332.8
1370.00	1369.77	1.51	-12.59	12.7	276.8	0.4	54.2
1380.00	1379.77	1.58	-12.57	12.7	277.2	1.0	338.9
1390.00	1389.77	1.69	-12.53	12.6	277.7	1.0	7.5
1400.00	1399.77	1.77	-12.44	12.6	278.1	1.0	96.4
1410.00	1409.77	1.69	-12.33	12.4	277.8	1.0	14.2
1420.00	1419.77	1.83	-12.25	12.4	278.5	1.1	29.9
1430.00	1429.77	2.02	-12.18	12.3	279.4	1.2	29.2
1440.00	1439.76	2.21	-12.11	12.3	280.4	1.2	19.2
1450.00	1449.76	2.43	-12.05	12.3	281.4	1.5	26.8
1460.00	1459.76	2.65	-11.99	12.3	282.5	1.4	6.9
1470.00	1469.76	2.86	-11.94	12.3	283.5	1.2	22.0
1480.00	1479.75	3.09	-11.90	12.3	284.6	1.5	20.6
1490.00	1489.75	3.33	-11.85	12.3	285.7	1.4	29.0
1500.00	1499.75	3.54	-11.80	12.3	286.7	1.3	20.4
1510.00	1509.74	3.77	-11.76	12.3	287.8	1.4	22.5
1520.00	1519.74	3.91	-11.71	12.3	288.5	1.5	351.9
1530.00	1529.74	4.07	-11.70	12.4	289.2	1.8	3.4
1540.00	1539.73	4.32	-11.65	12.4	290.3	1.5	4.3
1550.00	1549.73	4.57	-11.63	12.5	291.5	1.5	8.8
1560.00	1559.73	4.83	-11.60	12.6	292.6	1.4	19.9
1570.00	1569.72	5.06	-11.57	12.6	293.6	1.5	2.5
1580.00	1579.72	5.31	-11.54	12.7	294.7	1.6	352.4
1590.00	1589.72	5.56	-11.53	12.8	295.7	1.5	11.3
1600.00	1599.71	5.83	-11.52	12.9	296.8	1.5	22.5
1610.00	1609.71	6.08	-11.51	13.0	297.8	1.6	354.5
1620.00	1619.71	6.34	-11.49	13.1	298.9	1.5	21.1
1630.00	1629.70	6.45	-11.51	13.2	299.3	1.9	116.9
1640.00	1639.70	6.68	-11.47	13.3	300.2	1.6	359.6
1650.00	1649.70	6.93	-11.45	13.4	301.2	1.5	11.2
1660.00	1659.69	7.18	-11.46	13.5	302.1	1.6	338.8
1670.00	1669.69	7.34	-11.46	13.6	302.6	1.4	284.1
1680.00	1679.69	7.47	-11.42	13.6	303.2	1.6	2.9
1690.00	1689.68	7.74	-11.42	13.8	304.1	1.8	6.6
1700.00	1699.68	8.01	-11.42	14.0	305.0	1.5	13.3
1710.00	1709.67	8.34	-11.45	14.2	306.1	2.3	291.3
1720.00	1719.66	8.57	-11.43	14.3	306.8	1.9	292.2
1730.00	1729.66	8.78	-11.45	14.4	307.5	1.9	2.7
1740.00	1739.65	9.10	-11.49	14.7	308.4	1.8	344.3
1750.00	1749.64	9.43	-11.48	14.9	309.4	2.6	128.7
1760.00	1759.64	9.17	-11.59	14.8	308.3	2.5	135.8
1770.00	1769.63	9.41	-11.46	14.8	309.4	2.5	48.1
1780.00	1779.62	9.22	-11.33	14.6	309.1	2.4	123.4
1790.00	1789.61	9.32	-11.19	14.6	309.8	2.4	331.8
1800.00	1799.60	9.46	-11.50	14.9	309.4	2.8	332.6
1803.00	1802.60	9.57	-11.46	14.9	309.9	2.6	68.0

Casing & Tubing Program

	Casing	Casing Interval	Hole Size	Cement used in cu/ft	Cemented to Surface		Date Cemented
					Yes	No	
Conductor	13 3/8"	45.20'	15"			X	4/12/07
Surface	7"	222'	8 7/8"	88.5	X		4/12/07
Water Protection	4 1/2"	1666.59'	6 1/2"	256.2	X		4/17/07
Coal Protection	4 1/2"	1666.59'	6 1/2"	256.2	X		4/17/07
Other Casing & Tubing							
Other Casing & Tubing							
Liners							

Packers or Bridge Plugs Kind/Size/Set
Bkt @ 88'

DRILL DATA HOLE-NOAH HORN WELL DRILLING, INC

COMPANY: CNX **HOLE #: C-21A**

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

DATE STARTED: 04/12/07 **DATED COMPLETED: 04-17-07**

ELECTRIC LOGGED:YES **GROUTED:YES**

DEPTH		THICKNESS	STRATA REMARKS
FROM	TO	FT	DESCRIPTION,VOIDS ETC
0	45	45	
45	60	15	SAND STONE
60	90	30	SAND STONE/COAL
90	150	60	SANDY SHALE
150	180	30	SANDY SHALE/COAL/SANDY SHALE
180	240	60	SANDY SHALE/CEMENT
240	270	30	SANDY SHALE/COAL/SANDY SHALE
270	330	60	SAND STONE
330	360	30	SAND STONE/COAL/SANDY SHALE
360	420	60	SANDY SHALE/COAL/SANDY SHALE
420	450	30	SAND STONE/COAL/SANDY SHALE
450	480	30	SANDY SHALE/COAL/SANDY SHALE
480	510	30	SAND STONE
510	540	30	SAND STONE/SANDY SHALE
540	570	30	SANDY SHALE
570	600	30	SANDY SHALE/SAND STONE/SANDY
SHALE			
600	630	30	SANDY SHALE/SAND STONE
630	660	30	SANDY SHALE
660	720	60	SHALE
720	750	30	SHALE
750	780	30	SAND STONE
780			
780	810	30	SANDY SHALE
810	840	30	SANDY SHALE/COAL/SAND
840	870	30	SAND/SANDY SHALE
870	900	30	SANDY SHALE/COAL/SANDY SHALE
900	930	30	SANDY SHALE/SAND
930	960	30	SAND/COAL/SANDY SHALE
960	990	30	SANDY SHALE/COAL/SANDY SHALE
990	1020	30	SHALE
1020	1050	30	SANDY SHALE/COAL/SANDY SHALE
1050	1080	30	SAND/SANDY SHALE
1080	1140	60	SANDY SHALE/COAL/SANDY SHALE
1140	1170	30	SAND/SANDY SHALE
1170	1230	60	SANDY SHALE/COAL/SANDY SHALE
1230	1260	30	SANDY SHALE/COAL/SANDY SHALE
1260	1290	30	SANDY SHALE
1290	1320	30	SANDY SHALE/COAL/SAND
1320	1410	90	SAND STONE
1410	1440	30	SAND/SANDY SHALE
1440	1470	30	SANDY SHALE/COAL/SANDY SHALE

1470			
1470	1500	30	SANDY SHALE/COAL/SANDY SHALE
1500	1530	30	SANDY SHALE
1530	1560	30	SANDY SHALE/COAL/SANDY SHALE
1560	1562	2	SANDY SHALE
1562	1565	3	COAL P-3
1565	1590	25	SANDY SHALE
1590	1620	30	SANDY SHALE/SHALE
1620	1680	60	SANDY SHALE
1680	1710	30	SANDY SHALE/SHALE
1710	1740	30	SHALE/SANDY SHALE
1740	1770	30	SANDY SHALE/SAND STONE
1770	1800	30	SANDY SHALE
1800	1830	30	SANDY SHALE/RED SHALE

TOTAL DEPTH – 1830'
45.2' – 13 3/8" CASING
222' – 7" CASING
1666.59' – 4 ½" CASING