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: 729
Company: CNX Gas Company LLC
File Number: RU-0461
Operations Name: CBM BF105A W/PL
Operation Type: Coalbed/Pipeline
Drilling Report Type: Original

DRILLING REPORT (DGO-GO-14)

1. Drilling Data

Date drilling commenced: 7/27/2007
Date drilling completed: 8/3/2007
Driller's Total Depth (feet): 2,735
Log Total Depth (feet): 2,746
Drilling Contractor: Noah Horn
Rig Type: ☑ Rotary ☐ Cable Tool
Coal Seam At Total Depth PARDEE

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

Permitted State Plane X 975,605
Permitted State Plane Y: 291,153
Final Plat State Plane X: 975,607
Final Plat State Plane Y: 291,152
☐ Plat Previously Submitted Or...

List of Attached Items:

Description	FileName
Plat	BF105A Plat.pdf

3. Geological Data

Fresh Water At:

Depth (in feet)	Rate	Unit of Measure
1,160	Damp	GPM

Salt Water At:

Depth (in feet)	Rate	Unit of Measure

Coal Seams

List of Attached Items:

Description	FileName
Exhibit A	BF105A Exhibit A.pdf

Gas and Oil Shows

List of Attached Items:

Description	FileName
Gas Show	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	BF105A Deviation.pdf

6. Casing and Tubing Program

List of Attached Items:

Description	FileName
Casing	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	BF105A Drill Data.pdf

9. Comments

some info from deviation log is missing (390'-970') [ljs 10/10/07]
deviation log resubmitted with corrections 10/11/07 [ljs]

10. Signature

Permitee: CNX Gas Company LLC Date: 10/10/2007 *(Company)*

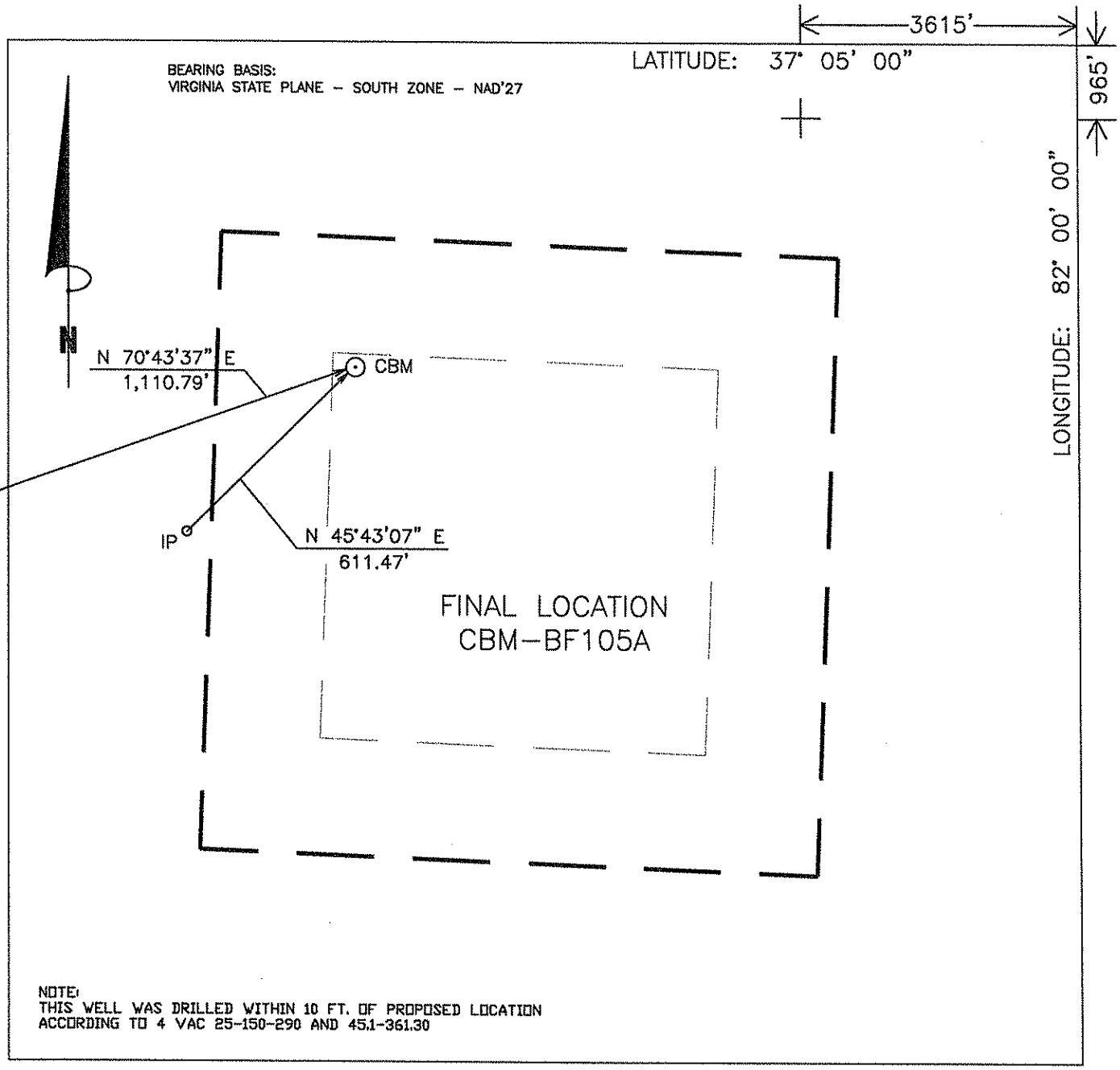
Signed By: Leslie K. Arrington Title: Manager *(Signature)*

INTERNAL USE ONLY

Submit Date: 10/10/2007

Status: Inspr Approved Date: 10/11/2007

Final PDF Date: 10/11/2007



WELL LOCATION PLAT

BF105AFNL
PGP30/194-602/31

COMPANY CNX GAS COMPANY, LLC. WELL NAME OR NUMBER CBM–BF105A

TRACT NUMBER TAZEWELL COAL & IRON CO. QUADRANGLE BIG A MOUNTAIN

DISTRICT: NEW GARDEN

WELL COORDINATES (VIRGINIA STATE PLANE): STATE PLANE: N 291,151.66 E 975,607.11

ELEVATION: 2657.80' METHOD USED TO DETERMINE ELEVATION: BY TRIG. LEVELS FROM CONSOL INC BM'S

COUNTY RUSSELL Scale: 1" = 400' Date 8-03-07

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)

Danny R. Price

Licensed Professional Engineer or Licensed Land Surveyor (Affix Seal)

COMMONWEALTH OF VIRGINIA
DANNY R. PRICE
Lic. No. 008540
8/3/07
PROFESSIONAL ENGINEER

Form DGO-GO-7
Rev. 10/96

Exhibit A

Well Name: 07 CBM BF105A
SURFACE ELEV: 2657.80 EASTING: 975607.11 NORTHING: 291151.66

SEAM	DEPTH FROM (FT)	DEPTH TO (FT)	ELEVATION (TOSE)	THK. (FT)	REMARKS
COAL	155.80	156.00	2502.00	0.20	
	156.00	208.80	2501.80	52.80	
LB1	208.80	210.20	2449.00	1.40	
	210.20	399.50	2447.60	189.30	
KN2	399.50	402.80	2258.30	3.30	
	402.80	598.50	2255.00	195.70	
AL2	598.50	600.20	2059.30	1.70	
	600.20	651.40	2057.60	51.20	
RA1	651.40	651.60	2006.40	0.20	
	651.60	706.80	2006.20	55.20	
RA2	706.80	708.60	1951.00	1.80	
	708.60	716.90	1949.20	8.30	
RA3	716.90	717.10	1940.90	0.20	
	717.10	757.90	1940.70	40.80	
COAL	757.90	758.20	1899.90	0.30	
	758.20	857.90	1899.60	99.70	
*JB1	857.90	859.40	1799.90	1.50	
	859.40	883.40	1798.40	24.00	
*JB3	883.40	884.70	1774.40	1.30	
	884.70	931.80	1773.10	47.10	
*T2	931.80	932.00	1726.00	0.20	
	932.00	1029.30	1725.80	97.30	
*T1	1029.30	1030.60	1628.50	1.30	
	1030.60	1032.90	1627.20	2.30	
*TI	1032.90	1033.80	1624.90	0.90	
	1033.80	1174.90	1624.00	141.10	
*US1	1174.90	1176.00	1482.90	1.10	
	1176.00	1177.20	1481.80	1.20	
*LC2	1177.20	1178.10	1480.60	0.90	
	1178.10	1180.00	1479.70	1.90	
*LC3	1180.00	1181.90	1477.80	1.90	
	1181.90	1327.20	1475.90	145.30	
*COAL	1327.20	1327.60	1330.60	0.40	
	1327.60	1328.10	1330.20	0.50	
*GC1	1328.10	1328.90	1329.70	0.80	
	1328.90	1464.70	1328.90	135.80	
*SE2	1464.70	1465.30	1193.10	0.60	
	1465.30	1519.80	1192.50	54.50	
*LS2	1519.80	1520.80	1138.00	1.00	
	1520.80	1583.90	1137.00	63.10	
*LS3	1583.90	1584.90	1073.90	1.00	
	1584.90	1642.20	1072.90	57.30	
*UH2	1642.20	1644.20	1015.60	2.00	
	1644.20	1671.10	1013.60	26.90	
*UH3	1671.10	1672.10	986.70	1.00	
	1672.10	1701.60	985.70	29.50	
*MH1	1701.60	1703.00	956.20	1.40	
	1703.00	1780.10	954.80	77.10	

*MH2	1780.10	1780.80	877.70	0.70
	1780.80	1821.50	877.00	40.70
*P11	1821.50	1823.70	836.30	2.20
	1823.70	1835.20	834.10	11.50
*P10	1835.20	1836.00	822.60	0.80
	1836.00	1895.00	821.80	59.00
*LH3	1895.00	1896.70	762.80	1.70
	1896.70	1923.20	761.10	26.50
*P91	1923.20	1925.20	734.60	2.00
	1925.20	1980.00	732.60	54.80
*P81	1980.00	1981.50	677.80	1.50
	1981.50	1981.90	676.30	0.40
*P82	1981.90	1982.40	675.90	0.50
	1982.40	1984.20	675.40	1.80
*P71	1984.20	1984.70	673.60	0.50
	1984.70	2037.80	673.10	53.10
*COAL	2037.80	2039.70	620.00	1.90
	2039.70	2118.70	618.10	79.00
*COAL	2118.70	2119.60	539.10	0.90
	2119.60	2120.40	538.20	0.80
*COAL	2120.40	2120.80	537.40	0.40
	2120.80	2163.10	537.00	42.30
*COAL	2163.10	2163.50	494.70	0.40
	2163.50	2259.10	494.30	95.60
*P61	2259.10	2259.30	398.70	0.20
	2259.30	2346.90	398.50	87.60
*P41	2346.90	2347.10	310.90	0.20
	2347.10	2357.80	310.70	10.70
*P42	2357.80	2358.20	300.00	0.40
	2358.20	2437.20	299.60	79.00
*P31	2437.20	2438.30	220.60	1.10
	2438.30	2462.00	219.50	23.70
*P32	2462.00	2463.20	195.80	1.20
*P33	2463.20	2463.80	194.60	0.60
	2463.80	2512.00	194.00	48.20
*P34	2512.00	2512.90	145.80	0.90
	2512.90	2592.20	144.90	79.30
*P01	2592.20	2592.50	65.60	0.30
	2592.50	2745.90	65.30	153.40

COAL SEAMS TO BE STIMULATED WERE ADJUSTED DUE TO THE GAS WELL'S PROXIMITY TO GRASSY CREEK.
GAMMA-CALIPER LOG FROM 0 TO 487.00
GAMMA-DENSITY LOG FROM 487.00 TO TD.
NOTE: FOOTAGE NOT ADJUSTED FOR DEVIATION
FILE: H:\JIMHAZ~1\PROJECTS\GAS\BF105A.CMP
DATE: 09/07/07

Well: BF105A

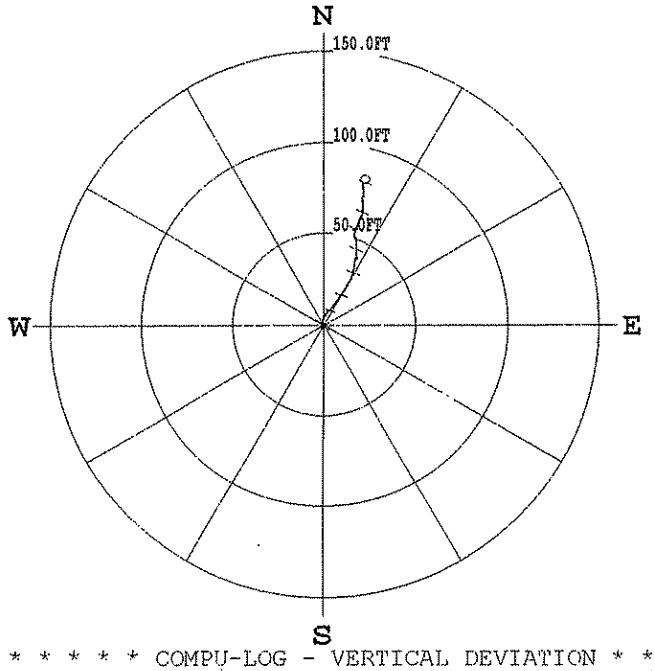
Oil & Gas Show

Formation	Top	Bottom	Thickness	IPF (MCFD/BOPD)	Pressure	Hours Tested
Lee/Norton	883.4	1181.9	298.5			
Pocahontas	1519.8	2463.2	943.4			
Total IPF				No Show		

CLIENT: Consol Energy
LOCATION:
HOLE ID: 07-CNX-BF-105-A
DATE OF LOG: 08/02/07
PROBE: 9136CA 962

MAG DECL: -6.9

SCALE: 50 FT/IN
TRUE DEPTH: 2731.56 FT
AZIMUTH: 15.8
DISTANCE: 82.5 FT
+ = 300 FT INCR
○ = BOTTOM OF HOLE



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

CLIENT : Consol Energy
FIELD OFFICE :
DATA FROM :
MAG. DECL. : -6.900
HOLE ID. : 07-CNX-BF-105
DATE OF LOG : 08/02/07
PROBE : 9136CA , 962
DEPTH UNITS : FEET
LOG: 07-CNX-BF-105-A_08-02-07_17-26_9136CA_.02_-0.02_2734.26_DEVI.log

CABLE DEPTH	TRUE DEPTH	NORTH DEV.	EAST DEV.	DISTANCE	AZIMUTH	SANG	SANGB
50.0	49.98	-0.18	-0.86	0.9	258.0	1.9	294.2
60.0	59.97	-0.22	-1.13	1.2	259.2	1.8	197.4
70.0	69.97	-0.51	-1.05	1.2	243.8	1.9	147.2
80.0	79.96	-0.75	-0.83	1.1	227.8	1.9	137.7
90.0	89.96	-1.01	-0.65	1.2	212.7	1.9	146.8
100.0	99.95	-1.29	-0.50	1.4	201.3	1.9	171.2
110.0	109.95	-1.61	-0.46	1.7	195.8	1.9	185.3
120.0	119.94	-1.94	-0.50	2.0	194.4	1.9	200.1
130.0	129.93	-2.20	-0.68	2.3	197.1	1.8	245.5
140.0	139.93	-2.24	-0.99	2.4	203.9	1.9	274.8
150.0	149.92	-2.09	-1.28	2.4	211.4	1.9	308.0
160.0	159.92	-1.85	-1.49	2.4	218.9	1.9	326.9
170.0	169.91	-1.53	-1.50	2.1	224.4	1.9	12.4
180.0	179.91	-1.23	-1.39	1.9	228.6	1.9	53.3
190.0	189.90	-0.98	-1.17	1.5	230.0	1.9	59.7
200.0	199.90	-0.86	-0.88	1.2	225.5	1.9	81.8
210.0	209.89	-0.92	-0.57	1.1	211.7	1.9	104.6
220.0	219.89	-1.15	-0.35	1.2	197.1	1.9	160.4
230.0	229.88	-1.46	-0.26	1.5	190.2	1.9	167.6
240.0	239.88	-1.75	-0.35	1.8	191.3	1.9	215.8
250.0	249.87	-1.93	-0.60	2.0	197.2	1.9	269.5
260.0	259.87	-1.83	-0.89	2.0	206.0	1.9	304.4
270.0	269.86	-1.53	-0.99	1.8	212.8	1.9	10.5
280.0	279.85	-1.22	-0.90	1.5	216.5	1.9	25.6
290.0	289.85	-1.07	-0.63	1.2	210.6	1.9	90.8
300.0	299.84	-1.15	-0.32	1.2	195.8	1.9	129.5
310.0	309.84	-1.42	-0.16	1.4	186.6	1.9	177.7
320.0	319.83	-1.71	-0.27	1.7	189.1	1.9	242.0
330.0	329.83	-1.79	-0.58	1.9	198.1	1.9	260.2
340.0	339.82	-1.58	-0.81	1.8	207.1	1.9	349.9
350.0	349.82	-1.27	-0.76	1.5	210.8	1.9	36.8
360.0	359.81	-1.22	-0.47	1.3	201.2	1.8	119.4
370.0	369.81	-1.42	-0.25	1.4	190.0	1.9	178.1
380.0	379.80	-1.72	-0.33	1.8	190.7	1.9	190.5
390.0	389.80	-1.94	-0.53	2.0	195.1	1.9	228.2

380.0	379.80	-1.72	-0.33	1.8	190.7	1.9	190.5
390.0	389.80	-1.94	-0.53	2.0	195.1	1.9	228.2
400.0	399.79	-2.04	-0.84	2.2	202.3	2.0	277.8
410.0	409.78	-1.82	-1.02	2.1	209.2	2.0	4.4
420.0	419.78	-1.52	-0.90	1.8	210.4	1.8	70.7
430.0	429.77	-1.67	-0.64	1.8	201.1	1.8	128.2
440.0	439.77	-1.98	-0.67	2.1	198.7	1.9	192.6
450.0	449.76	-2.10	-0.92	2.3	203.6	1.9	255.9
460.0	459.76	-2.10	-1.26	2.4	210.9	2.0	283.7
470.0	469.75	-1.82	-1.35	2.3	216.5	1.9	20.6
480.0	479.74	-1.52	-1.16	1.9	217.3	2.1	27.7
490.0	489.74	-1.34	-1.07	1.7	218.8	2.0	329.5
500.0	499.73	-1.03	-1.08	1.5	226.4	1.9	17.0
510.0	509.72	-1.21	-1.09	1.6	221.9	2.0	200.4
520.0	519.72	-1.06	-1.07	1.5	225.4	1.6	340.8
530.0	529.72	-0.79	-1.17	1.4	235.9	1.7	339.9
540.0	539.71	-0.52	-1.27	1.4	247.9	1.7	344.6
550.0	549.71	-0.23	-1.34	1.4	260.5	1.8	330.4
560.0	559.70	0.03	-1.46	1.5	271.3	1.5	341.2
570.0	569.70	0.17	-1.30	1.3	277.6	1.8	82.5
580.0	579.69	0.49	-1.14	1.2	293.5	2.3	14.2
590.0	589.68	0.90	-1.05	1.4	310.8	2.4	22.4
600.0	599.67	1.34	-0.97	1.7	324.2	2.6	0.8
610.0	609.66	1.80	-0.87	2.0	334.2	2.6	12.5
620.0	619.65	2.21	-0.77	2.3	340.8	2.4	8.8
630.0	629.64	2.62	-0.68	2.7	345.6	2.4	11.0
640.0	639.64	3.03	-0.59	3.1	349.1	2.5	17.5
650.0	649.63	3.17	-0.59	3.2	349.5	2.2	8.9
660.0	659.62	3.37	-0.47	3.4	352.1	2.2	16.3
670.0	669.61	3.77	-0.38	3.8	354.3	2.6	11.3
680.0	679.60	4.21	-0.26	4.2	356.5	2.6	15.1
690.0	689.59	4.63	-0.13	4.6	358.4	2.4	23.4
700.0	699.58	4.57	-0.23	4.6	357.1	1.9	230.7
710.0	709.58	4.66	-0.10	4.7	358.7	2.0	105.2
720.0	719.57	4.44	0.17	4.4	2.2	3.0	220.4
730.0	729.57	4.27	0.06	4.3	0.8	1.7	102.1
740.0	739.56	4.55	0.29	4.6	3.7	2.6	28.4
750.0	749.55	4.98	0.52	5.0	5.9	2.6	26.4
760.0	759.53	5.40	0.72	5.4	7.6	2.7	36.8
770.0	769.52	5.73	1.01	5.8	10.0	2.4	33.9
780.0	779.52	6.10	1.23	6.2	11.4	2.7	36.8
790.0	789.51	6.47	1.48	6.6	12.9	2.5	26.9
800.0	799.50	6.84	1.71	7.1	14.0	2.5	30.0
810.0	809.49	7.18	1.95	7.4	15.2	2.4	32.4
820.0	819.48	7.58	2.13	7.9	15.7	2.8	21.4
830.0	829.47	7.92	2.38	8.3	16.7	2.6	158.4
840.0	839.46	7.96	2.09	8.2	14.7	1.8	39.9
850.0	849.45	7.97	2.42	8.3	16.9	2.5	39.0
860.0	859.44	8.00	2.75	8.5	19.0	2.2	144.8
870.0	869.44	7.90	2.99	8.4	20.7	1.1	56.6
880.0	879.44	8.01	3.12	8.6	21.3	1.0	52.1
890.0	889.44	8.09	3.26	8.7	21.9	1.3	93.5
900.0	899.43	8.06	3.39	8.7	22.8	0.8	187.7
910.0	909.43	8.00	3.54	8.8	23.9	2.5	63.9
920.0	919.42	8.39	3.77	9.2	24.2	2.6	24.2
930.0	929.41	8.78	3.98	9.6	24.4	2.4	40.0
940.0	939.40	9.14	4.20	10.1	24.7	2.6	28.9
950.0	949.39	9.49	4.43	10.5	25.0	2.3	39.3
960.0	959.38	9.82	4.64	10.9	25.3	2.5	31.7
970.0	969.37	10.18	4.87	11.3	25.6	2.4	33.3
980.0	979.37	10.52	5.10	11.7	25.8	2.1	39.9
990.0	989.36	10.83	5.32	12.1	26.1	2.1	38.9
1000.0	999.35	11.14	5.54	12.4	26.4	2.3	37.9
1010.0	1009.34	11.44	5.78	12.8	26.8	2.2	43.3
1020.0	1019.34	11.58	5.92	13.0	27.1	2.0	254.9
1030.0	1029.33	11.61	5.81	13.0	26.6	1.6	108.3
1040.0	1039.33	11.76	6.08	13.2	27.3	1.9	30.4
1050.0	1049.32	12.05	6.28	13.6	27.5	2.2	41.9
1060.0	1059.31	12.33	6.52	13.9	27.9	2.0	46.3
1070.0	1069.31	12.61	6.73	14.3	28.1	2.0	39.8
1080.0	1079.30	12.89	6.94	14.6	28.3	2.0	37.7
1090.0	1089.30	13.04	6.85	14.7	27.7	2.2	288.6
1100.0	1099.29	13.01	6.98	14.8	28.2	1.7	102.0
1110.0	1109.28	13.29	7.20	15.1	28.5	2.2	39.1

1090.0	1089.30	13.04	6.85	14.7	27.7	2.2	288.9
1100.0	1099.29	13.01	6.98	14.8	28.2	1.7	102.0
1110.0	1109.28	13.29	7.20	15.1	28.5	2.2	39.1
1120.0	1119.28	13.58	7.45	15.5	28.7	2.1	46.0
1130.0	1129.27	13.90	7.65	15.9	28.8	2.4	25.4
1140.0	1139.26	14.27	7.88	16.3	28.9	2.4	31.3
1150.0	1149.25	14.61	8.12	16.7	29.1	2.4	40.2
1160.0	1159.24	14.98	8.38	17.2	29.2	2.8	32.8
1170.0	1169.23	15.38	8.63	17.6	29.3	2.8	21.6
1180.0	1179.22	15.79	8.89	18.1	29.4	2.9	30.1
1190.0	1189.21	16.17	9.16	18.6	29.5	2.7	34.7
1200.0	1199.20	16.53	9.42	19.0	29.7	2.6	37.6
1210.0	1209.19	16.89	9.66	19.5	29.8	2.6	42.0
1220.0	1219.18	17.23	9.92	19.9	29.9	2.6	22.0
1230.0	1229.17	17.63	10.16	20.4	30.0	2.5	39.7
1240.0	1239.16	17.97	10.44	20.8	30.1	2.4	34.3
1250.0	1249.15	18.34	10.67	21.2	30.2	2.6	34.7
1260.0	1259.14	18.73	10.91	21.7	30.2	2.6	29.1
1270.0	1269.13	19.11	11.17	22.1	30.3	2.7	31.9
1280.0	1279.11	19.53	11.41	22.6	30.3	2.8	29.4
1290.0	1289.10	19.98	11.66	23.1	30.3	2.9	31.6
1300.0	1299.09	20.40	11.93	23.6	30.3	2.8	30.9
1310.0	1309.08	20.85	12.16	24.1	30.3	3.0	30.4
1320.0	1319.06	21.26	12.47	24.7	30.4	3.0	26.3
1330.0	1329.05	21.75	12.70	25.2	30.3	3.5	73.5
1340.0	1339.03	21.97	12.77	25.4	30.2	0.8	240.3
1350.0	1349.02	22.33	12.97	25.8	30.1	3.1	29.5
1360.0	1359.01	22.77	13.24	26.3	30.2	2.8	37.1
1370.0	1369.00	23.20	13.49	26.8	30.2	2.9	26.9
1380.0	1378.98	23.65	13.74	27.4	30.2	2.9	23.6
1390.0	1388.97	24.11	13.96	27.9	30.1	2.9	38.5
1400.0	1398.96	24.51	14.20	28.3	30.1	2.6	23.5
1410.0	1408.95	24.96	14.39	28.8	30.0	2.9	25.6
1420.0	1418.93	25.42	14.59	29.3	29.8	2.9	21.7
1430.0	1428.92	25.88	14.80	29.8	29.8	2.9	29.8
1440.0	1438.91	26.34	14.99	30.3	29.7	2.8	25.8
1450.0	1448.90	26.79	15.20	30.8	29.6	2.9	19.1
1460.0	1458.88	27.26	15.37	31.3	29.4	3.0	9.2
1470.0	1468.87	27.69	15.59	31.8	29.4	2.9	151.0
1480.0	1478.86	27.75	15.38	31.7	29.0	2.1	113.6
1490.0	1488.85	28.07	15.62	32.1	29.1	2.8	15.0
1500.0	1498.84	28.53	15.79	32.6	29.0	2.7	19.5
1510.0	1508.82	29.01	15.92	33.1	28.8	3.1	16.7
1520.0	1518.81	29.53	16.04	33.6	28.5	3.0	13.3
1530.0	1528.80	30.04	16.13	34.1	28.2	2.9	15.1
1540.0	1538.78	30.52	16.25	34.6	28.0	2.8	12.6
1550.0	1548.77	31.03	16.35	35.1	27.8	3.0	3.8
1560.0	1558.76	31.53	16.43	35.6	27.5	2.9	11.3
1570.0	1568.74	32.02	16.48	36.0	27.2	2.9	5.7
1580.0	1578.73	32.54	16.51	36.5	26.9	3.0	0.0
1590.0	1588.72	33.06	16.55	37.0	26.6	2.9	13.5
1600.0	1598.70	33.57	16.60	37.4	26.3	3.0	3.4
1610.0	1608.69	34.10	16.63	37.9	26.0	3.1	6.3
1620.0	1618.68	34.62	16.67	38.4	25.7	3.0	9.0
1630.0	1628.66	35.12	16.71	38.9	25.4	2.9	1.3
1640.0	1638.65	35.53	16.78	39.3	25.3	2.8	147.0
1650.0	1648.64	35.34	16.99	39.2	25.7	1.4	12.2
1660.0	1658.64	35.56	17.08	39.4	25.7	1.4	27.2
1670.0	1668.64	35.77	17.21	39.7	25.7	1.4	20.9
1680.0	1678.63	35.98	17.30	39.9	25.7	1.3	24.9
1690.0	1688.63	36.21	17.40	40.2	25.7	1.4	28.5
1700.0	1698.63	36.16	17.54	40.2	25.9	1.4	153.1
1710.0	1708.62	36.35	17.75	40.5	26.0	3.1	1.3
1720.0	1718.60	36.86	17.69	40.9	25.6	3.0	358.6
1730.0	1728.59	37.36	17.62	41.3	25.3	2.9	355.4
1740.0	1738.58	37.87	17.60	41.8	24.9	2.9	345.9
1750.0	1748.56	38.38	17.54	42.2	24.6	3.1	356.6
1760.0	1758.55	38.90	17.48	42.6	24.2	2.9	352.0
1770.0	1768.54	39.41	17.47	43.1	23.9	2.9	352.2
1780.0	1778.53	39.91	17.46	43.6	23.6	2.9	354.4
1790.0	1788.51	40.43	17.44	44.0	23.3	3.1	6.3
1800.0	1798.50	40.94	17.41	44.5	23.0	2.9	353.3
1810.0	1808.49	41.44	17.40	44.9	22.8	2.7	359.4
1820.0	1818.47	41.90	17.41	45.4	22.6	2.7	358.9

1820.0	1818.47	41.90	17.41	45.4	22.6	2.7	5.6.9
1830.0	1828.46	42.35	17.38	45.8	22.3	2.7	11.1
1840.0	1838.45	42.80	17.36	46.2	22.1	2.6	354.9
1850.0	1848.44	43.26	17.39	46.6	21.9	2.3	4.6
1860.0	1858.43	43.69	17.38	47.0	21.7	2.8	3.5
1870.0	1868.42	44.16	17.38	47.5	21.5	2.7	356.9
1880.0	1878.41	44.64	17.37	47.9	21.3	2.8	6.4
1890.0	1888.40	45.09	17.39	48.3	21.1	2.6	347.0
1900.0	1898.39	45.55	17.41	48.8	20.9	2.6	359.2
1910.0	1908.38	46.05	17.30	49.2	20.6	3.4	7.8
1920.0	1918.36	46.54	17.30	49.6	20.4	2.9	335.4
1930.0	1928.35	47.04	17.16	50.1	20.0	3.0	327.7
1940.0	1938.34	47.15	16.71	50.0	19.5	2.1	332.1
1950.0	1948.33	47.49	16.58	50.3	19.2	2.1	344.7
1960.0	1958.32	47.76	16.40	50.5	18.9	1.9	291.8
1970.0	1968.32	47.96	16.25	50.6	18.7	1.8	9.8
1980.0	1978.31	48.29	16.20	50.9	18.5	1.9	330.8
1990.0	1988.31	48.56	16.21	51.2	18.5	1.9	16.2
2000.0	1998.30	48.86	16.32	51.5	18.5	1.7	21.3
2010.0	2008.30	49.12	16.42	51.8	18.5	1.5	18.3
2020.0	2018.29	49.38	16.54	52.1	18.5	1.9	29.8
2030.0	2028.29	49.69	16.64	52.4	18.5	2.0	4.7
2040.0	2038.28	49.96	16.76	52.7	18.5	1.8	38.4
2050.0	2048.28	50.24	16.90	53.0	18.6	2.0	23.5
2060.0	2058.27	50.56	17.02	53.4	18.6	1.8	28.5
2070.0	2068.27	50.89	17.13	53.7	18.6	2.2	0.1
2080.0	2078.26	51.25	17.25	54.1	18.6	2.0	20.0
2090.0	2088.25	51.57	17.34	54.4	18.6	2.0	34.2
2100.0	2098.25	51.87	17.47	54.7	18.6	1.9	7.2
2110.0	2108.24	52.19	17.60	55.1	18.6	1.9	24.6
2120.0	2118.24	52.54	17.67	55.4	18.6	2.3	10.5
2130.0	2128.23	52.88	17.78	55.8	18.6	2.0	19.7
2140.0	2138.22	53.21	17.81	56.1	18.5	2.0	355.7
2150.0	2148.22	53.47	18.02	56.4	18.6	1.7	33.9
2160.0	2158.21	53.79	18.09	56.7	18.6	1.8	25.6
2170.0	2168.21	54.09	18.19	57.1	18.6	2.0	15.6
2180.0	2178.20	54.39	18.36	57.4	18.7	1.8	22.8
2190.0	2188.20	54.68	18.46	57.7	18.7	1.8	16.4
2200.0	2198.19	54.98	18.55	58.0	18.6	1.9	29.9
2210.0	2208.19	55.29	18.67	58.4	18.7	1.9	10.2
2220.0	2218.18	55.58	18.78	58.7	18.7	1.8	24.5
2230.0	2228.18	55.88	18.89	59.0	18.7	1.8	17.9
2240.0	2238.17	56.19	18.97	59.3	18.7	1.7	22.7
2250.0	2248.17	56.47	19.10	59.6	18.7	1.7	19.8
2260.0	2258.16	56.77	19.19	59.9	18.7	1.8	21.0
2270.0	2268.16	57.05	19.35	60.2	18.7	1.7	27.2
2280.0	2278.15	57.32	19.45	60.5	18.7	1.7	20.5
2290.0	2288.15	57.58	19.59	60.8	18.8	1.6	29.8
2300.0	2298.14	57.82	19.74	61.1	18.8	1.5	34.8
2310.0	2308.14	58.06	19.86	61.4	18.9	1.5	30.5
2320.0	2318.14	58.29	20.00	61.6	18.9	1.5	32.1
2330.0	2328.13	58.47	20.18	61.9	19.0	1.6	83.3
2340.0	2338.13	58.50	20.35	61.9	19.2	2.3	346.7
2350.0	2348.12	58.87	20.27	62.3	19.0	2.1	341.4
2360.0	2358.11	59.04	20.50	62.5	19.1	2.4	69.9
2370.0	2368.10	59.50	20.65	63.0	19.1	2.8	6.3
2380.0	2378.09	60.03	20.70	63.5	19.0	3.1	4.8
2390.0	2388.07	60.57	20.77	64.0	18.9	3.1	11.7
2400.0	2398.06	61.11	20.83	64.6	18.8	3.2	1.2
2410.0	2408.04	61.67	20.90	65.1	18.7	3.2	5.5
2420.0	2418.02	62.22	20.97	65.7	18.6	3.2	5.8
2430.0	2428.01	62.80	21.02	66.2	18.5	3.3	1.2
2440.0	2437.99	63.36	21.07	66.8	18.4	3.1	1.0
2450.0	2447.98	63.91	21.10	67.3	18.3	3.2	3.8
2460.0	2457.96	64.47	21.12	67.8	18.1	3.2	5.7
2470.0	2467.94	65.04	21.15	68.4	18.0	3.3	357.1
2480.0	2477.93	65.61	21.17	68.9	17.9	3.1	6.0
2490.0	2487.91	66.17	21.17	69.5	17.7	3.3	0.1
2500.0	2497.90	66.75	21.16	70.0	17.6	3.3	356.6
2510.0	2507.88	66.87	21.00	70.1	17.4	3.3	254.3
2520.0	2517.87	67.10	20.86	70.3	17.3	3.0	349.0
2530.0	2527.85	67.55	20.94	70.7	17.2	3.2	93.4
2540.0	2537.83	67.49	21.26	70.8	17.5	4.0	248.0
2550.0	2547.81	67.53	20.96	70.7	17.2	3.6	353.6

2540.0	2537.83	67.49	21.26	70.8	17.5	4.0	248.0
2550.0	2547.81	67.53	20.96	70.7	17.2	3.6	353.6
2560.0	2557.79	68.17	20.90	71.3	17.0	3.8	354.1
2570.0	2567.77	68.84	20.83	71.9	16.8	3.9	353.3
2580.0	2577.75	69.52	20.81	72.6	16.7	3.9	29.9
2590.0	2587.72	69.72	21.41	72.9	17.1	4.8	8.9
2600.0	2597.68	70.55	21.37	73.7	16.8	5.0	353.2
2610.0	2607.64	71.43	21.36	74.6	16.6	5.0	15.8
2620.0	2617.61	72.26	21.34	75.3	16.5	4.9	358.4
2630.0	2627.57	73.11	21.36	76.2	16.3	4.8	354.3
2640.0	2637.53	73.97	21.30	77.0	16.1	5.0	357.2
2650.0	2647.50	74.81	21.31	77.8	15.9	4.8	358.0
2660.0	2657.47	75.63	21.26	78.6	15.7	4.8	3.0
2670.0	2667.43	76.45	21.19	79.3	15.5	4.6	359.9
2680.0	2677.40	76.90	21.50	79.8	15.6	4.7	114.5
2690.0	2687.37	77.09	21.93	80.1	15.9	3.4	5.2
2700.0	2697.35	77.64	22.06	80.7	15.9	3.0	20.6
2710.0	2707.34	78.18	22.22	81.3	15.9	3.3	6.4
2720.0	2717.32	78.73	22.36	81.8	15.9	3.2	14.2
2730.0	2727.31	79.26	22.34	82.3	15.7	3.2	12.4
2734.3	2731.56	79.42	22.52	82.5	15.8	3.2	23.1

Well: _____

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"	17'	15"			x	7/30/2007	
Surface	7"	487.3'	8 7/8"	118	x		7/30/2007	Bskt @ 354.40'
Water Protection	4 1/2"	2577.66	6 1/2"	388.7	x		8/2/2007	
Coal Protection	4 1/2"	2577.66	6 1/2"	388.7	x		8/2/2007	
Other Casing & Tubing								
Other Casing & Tubing								
Liners								

DRILL DATA HOLE-NOAH HORN WELL DRILLING, INC

COMPANY: CNX **HOLE #: BF-105A**

LOCATION: LEWIS LOWE GAP **DRILL RIG #: 88**

DATE STARTED: 07-27-07 **DATED COMPLETED: 08-03-07**

ELECTRIC LOGGED:YES **GROUTED:YES**

DEPTH		THICKNESS	STRATA	REMARKS
FROM	TO	FT		DESCRIPTION,VOIDS ETC
0	17	17		OVERBURDEN
17	30	13		SAND/SHALE
30	60	30		SAND/SHALE/COAL
60	90	30		SAND/SHALE
90	150	60		SAND/SHALE/COAL
150	180	30		SAND/SHALE
180				
180	210	30		SANDY SHALE/COAL/SAND
210	240	30		SAND/SANDY SHALE
240	270	30		SANDY SHALE
270	330	60		SANDY SHALE/SAND
330	360	30		SAND/COAL/SANDY SHALE
360	390	30		SANDY SHALE
390	420	30		SANDY SHALE/COAL/SAND
420	450	30		SAND
450	480	30		SAND/SANDY SHALE
480	510	30		SANDY SHALE/SAND
510	520	10		SAND/SHALE
520	550	30		SAND/SHALE/COAL
550	580	30		SAND/SHALE
580	610	30		SAND/SHALE/COAL
610	640	30		SAND/SHALE
640	670	30		SAND/SHALE/COAL
670	700	30		SAND/SHALE
700	730	30		SAND/SHALE/COAL
730	760	30		SAND/SHALE
760	790	30		SAND/SHALE/COAL
790	820	30		SAND/SHALE
820	940	120		SAND/SHALE/COAL
940	970	30		SAND/SHALE
970				
970	1000	30		SANDY SHALE/SAND
1000	1030	30		SAND/COAL/SANDY SHALE
1030	1060	30		SANDY SHALE
1060	1090	30		SANDY SHALE/SAND
1090	1120	30		SAND
1120	1150	30		SAND/SANDY SHALE
1150	1180	30		SANDY SHALE/COAL/SAND
1180	1210	30		SAND/SANDY SHALE
1210	1240	30		SANDY SHALE
1240				
1240	1300	60		SAND/SHALE

1300	1330	30	SAND/SHALE/COAL
1330	1390	60	SAND/SHALE
1390	1420	30	SAND/SHALE/COAL
1420	1510	90	SAND/SHALE
1510	1540	30	SAND/SHALE/COAL
1540	1570	30	SAND/SHALE
1570	1600	30	SAND/SHALE/COAL
1600	1630	30	SAND/SHALE
1630	1690	60	SAND/SHALE/COAL
1690	1720	30	SAND/SHALE
1720	1750	30	SAND/SHALE/COAL
1750	1780	30	SAND/SHALE/COAL
1780	1810	30	SAND/SHALE
1810	1840	30	SAND/SHALE/COAL
1840	1870	30	SAND/SHALE
1870	1960	90	SAND/SHALE/COAL
1960			
1960	1990	30	SANDY SHALE/COAL/SANDY
SHALE			
1990	2020	30	SANDY SHALE/SAND
2020	2050	30	SAND/SANDY SHALE/SAND
2050	2080	30	SAND/SANDY SHALE
2080	2110	30	SANDY SHALE/SAND
2110	2140	30	SAND/COAL/SANDY SHALE
2140	2170	30	SANDY SHALE/SAND
2170	2200	30	SAND/SANDY SHALE
2200	2230	30	SAND
2230	2260	30	SAND/SANDY SHALE/SAND
2260	2290	30	SAND/SANDY SHALE
2290	2320	30	SAND
2320	2350	30	SAND/COAL/SANDY SHALE
2350	2434	84	SAND
2434	2435	1	COAL
2435	2440	5	SANDY SHALE
2440	2457	17	SANDY SHALE/SAND
2457	2460	3	P-3 SEAM
2460	2470	10	SANDY SHALE
2470	2500	30	SAND
2500			
2500			
2500	2525	25	SANDY SHALE/SAND
2525	2555	30	SAND/SANDY SHALE
2555	2585	30	SANDY SHALE/SAND/COAL
2585	2615	30	SANDY SHALE/SAND
2615	2645	30	SAND
2645	2675	30	SAND/SANDY SHALE
2675	2735	60	SAND

2735' – TOTAL DEPTH
17' – 13 3/8" CASING
487.3' – 7" CASING
2577.66' – 4 ½" CASING