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:	1011
Company:	CNX Gas Company LLC
File Number:	BU-3648
Operations Name:	CBM N23A W/PL
Operation Type:	Coalbed/Pipeline
Drilling Report Type:	Original

DRILLING REPORT (DGO-GO-14)

1. Drilling Data

Date drilling commenced: 11/13/2007
Drilling Contractor: Noah Horn
Date drilling completed: 11/30/2007
Rig Type: ☑ Rotary ☐ Cable Tool
Driller's Total Depth (feet): 2,253
Log Total Depth (feet): 2,265
Coal Seam At Total Depth: Pocahontas

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

Permitted State Plane X: 987,274
Final Plat State Plane X: 987,280
Permitted State Plane Y: 341,540
Final Plat State Plane Y: 341,542
☐ Plat Previously Submitted Or...

List of Attached Items:

Description	FileName
Plat	N23A 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	N23A Exhibit A.pdf

Gas and Oil Shows

List of Attached Items:

Description	FileName
Show Gas	N23A 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	N23A Deviation.pdf

6. Casing and Tubing Program

List of Attached Items:

Description	FileName
Casing	N23A 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.

7" / 13 3/8" Casing cemented on the backside to surface

8. Drillers Log

Compiled By: Noah Horn

List of Attached Items:

Description	FileName
Drill Data	N23A Drill Data.pdf

9. Comments

10. Signature

Permitee: CNX Gas Company LLC Date: 1/12/2008 *(Company)*

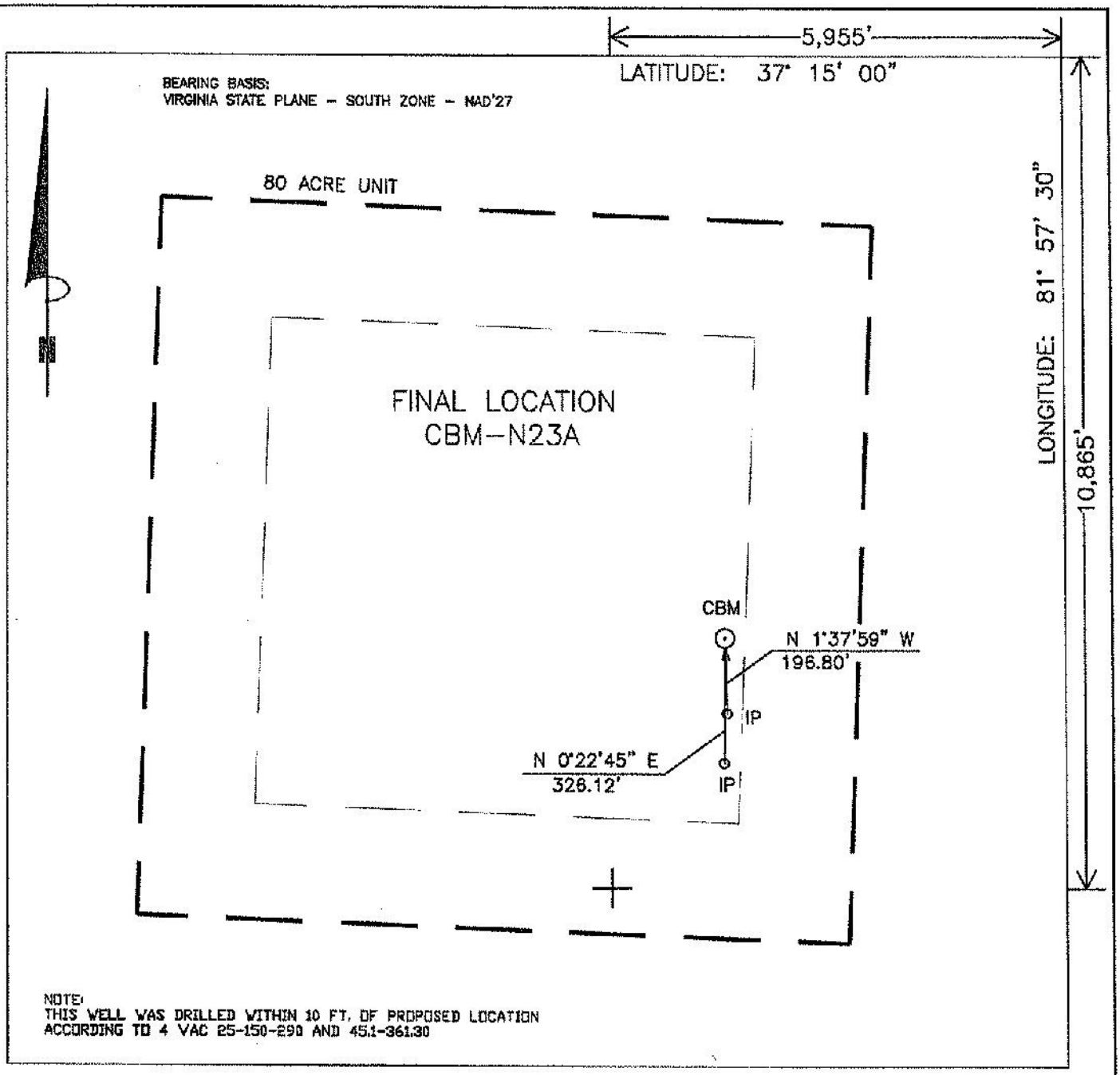
Signed By: Leslie K. Arrington Title: Manager *(Signature)*

INTERNAL USE ONLY

Submit Date: 1/12/2008

Status: Inspr Approved Date: 1/17/2008

Final PDF Date: 1/22/2008



WELL LOCATION PLAT

N23AFNL
1N17/131-612/15

COMPANY CNX GAS COMPANY, LLC. WELL NAME OR NUMBER CBM-N23A

TRACT NUMBER CONSOL COAL ET AL QUADRANGLE KEEN MOUNTAIN

DISTRICT: SOUTH GRUNDY

WELL COORDINATES (VIRGINIA STATE PLANE): STATE PLANE: N 341,541.78 E 987,280.26

ELEVATION: 2388.41' METHOD USED TO DETERMINE ELEVATION: BY TRIG. LEVELS FROM CONTROL INC BM'S

COUNTY BUCHANAN Scale: 1" = 400' Date 11-15-07

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
11/15/07
PROFESSIONAL ENGINEER

Form DGO-GO-7
Rev. 10/96

Exhibit A

Well Name: 07 CBM N23A
SURFACE ELEV: 2388.41 EASTING: 987280.26 NORTHING: 341541.78

SEAM	DEPTH FROM (FT)	DEPTH TO (FT)	ELEVATION (TOSE)	THK. (FT)	REMARKS
NR1	123.40	124.00	2265.01	0.60	
	124.00	161.50	2264.41	37.50	
HG1	161.50	163.00	2226.91	1.50	
	163.00	281.80	2225.41	118.80	
COAL	281.80	282.20	2106.61	0.40	
	282.20	308.40	2106.21	26.20	
SD1	308.40	309.90	2080.01	1.50	
	309.90	340.80	2078.51	30.90	
SD2	340.80	343.00	2047.61	2.20	
	343.00	348.50	2045.41	5.50	
SD3	348.50	349.20	2039.91	0.70	
	349.20	426.10	2039.21	76.90	
UB1	426.10	427.90	1962.31	1.80	
	427.90	553.60	1960.51	125.70	
COAL	553.60	554.10	1834.81	0.50	
	554.10	709.90	1834.31	155.80	
KN2	709.90	710.70	1678.51	0.80	
	710.70	907.70	1677.71	197.00	
RA1	907.70	909.40	1480.71	1.70	
	909.40	956.90	1479.01	47.50	
RA2	956.90	959.60	1431.51	2.70	
	959.60	965.80	1428.81	6.20	
RA3	965.80	968.50	1422.61	2.70	
	968.50	1081.90	1419.91	113.40	
JB2	1081.90	1083.60	1306.51	1.70	
	1083.60	1132.90	1304.81	49.30	
T1	1132.90	1133.20	1255.51	0.30	
	1133.20	1287.10	1255.21	153.90	
*US1	1287.10	1287.90	1101.31	0.80	
	1287.90	1452.50	1100.51	164.60	
*GC2	1452.50	1453.90	935.91	1.40	
	1453.90	1533.90	934.51	80.00	
*SE2	1533.90	1535.00	854.51	1.10	
	1535.00	1568.20	853.41	33.20	
*LS1	1568.20	1569.70	820.21	1.50	
	1569.70	1634.20	818.71	64.50	
*UH1	1634.20	1634.90	754.21	0.70	
	1634.90	1732.20	753.51	97.30	
*MH1	1732.20	1733.10	656.21	0.90	
	1733.10	1822.90	655.31	89.80	
*P11	1822.90	1824.90	565.51	2.00	
	1824.90	1849.10	563.51	24.20	
*P10	1849.10	1850.00	539.31	0.90	
	1850.00	1907.10	538.41	57.10	
*LH3	1907.10	1908.90	481.31	1.80	
	1908.90	1968.40	479.51	59.50	
*P91	1968.40	1969.80	420.01	1.40	
	1969.80	1970.80	418.61	1.00	

*P92	1970.80	1971.10	417.61	0.30
	1971.10	1972.00	417.31	0.90
*P93	1972.00	1972.80	416.41	0.80
	1972.80	2208.50	415.61	235.70
*COAL	2208.50	2209.10	179.91	0.60
	2209.10	2246.10	179.31	37.00
*P52	2246.10	2247.10	142.31	1.00
	2247.10	2264.92	141.31	17.82

COAL SEAMS TO BE STIMULATED WERE ADJUSTED DUE TO TOPOGRAPHY.
GAMMA-CALIPER LOG FROM 0 TO 1002.00
GAMMA-DENSITY LOG FROM 1002.00 TO TD.
NOTE: FOOTAGE NOT ADJUSTED FOR DEVIATION
FILE: H:\JIMHAZ~1\PROJECTS\GAS\N23A.CMP
DATE: 12/19/07

Well: N23A

Oil & Gas Show

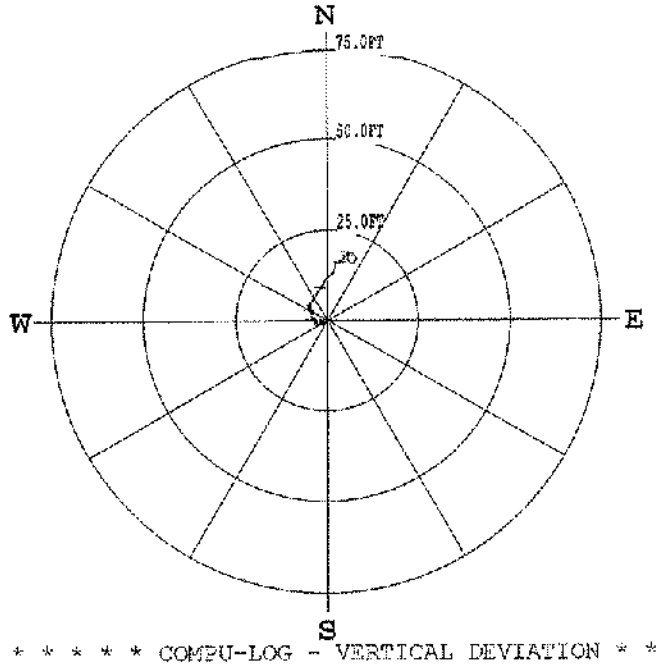
Formation	Top	Bottom	Thickness	IPF (MCFD/BOPD)	Pressure	Hours Tested
Lee/Norton	1453	1971	518			
Pocahontas	2246	2247	1			
Total IPF				Not Taken		

COMPU-LOG DEVIATION

CLIENT: Consol Energy
LOCATION:
HOLE ID: 07-CNX-N-23-A
DATE OF LOG: 11/29/07
PROBE: 9136CA 962

MAG DECL: -6.9

SCALE: 25 FT/IN
TRUE DEPTH: 2287.56 FT
AZIMUTH: 21.5
DISTANCE: 18.2 FT
+ = 300 FT INCR
O = BOTTOM OF HOLE



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

CLIENT : Consol Energy
FIELD OFFICE :
DATA FROM :
MAG. DECL. : -6.900
LOG: 07-CNX-N-23-A_11-29-07_09-50_9136CA_.02_-0.02_2258.41_DEV1.log

HOLE ID: : 07-CNX-N-23-A
DATE OF LOG : 11/29/07
PROBE : 9136CA , 962
DEPTH UNITS : FEET

CABLE DEPTH	TRUE DEPTH	NORTH DEV.	EAST DEV.	DISTANCE	AZIMUTH	SANG	SANGB
50.0	49.98	0.13	-0.45	0.5	285.5	1.5	61.4
60.0	59.98	0.08	-0.23	0.2	288.7	1.5	129.2
70.0	69.98	-0.16	-0.17	0.2	226.9	1.5	169.2
80.0	79.97	-0.41	-0.28	0.5	214.4	1.7	225.1
90.0	89.97	-0.64	-0.46	0.8	215.9	1.7	226.5
100.0	99.96	-0.84	-0.67	1.1	218.3	1.6	207.5
110.0	109.96	-0.99	-0.93	1.4	223.1	1.9	266.5
120.0	119.95	-1.00	-1.23	1.6	230.9	1.8	271.0
130.0	129.95	-0.92	-1.52	1.8	238.8	1.6	310.0
140.0	139.95	-0.71	-1.65	1.8	246.8	1.4	340.8
150.0	149.94	-0.48	-1.72	1.9	254.4	1.3	18.6
160.0	159.94	-0.29	-1.64	1.7	260.0	1.1	34.0
170.0	169.94	-0.19	-1.47	1.5	262.8	1.3	84.7
180.0	179.94	-0.23	-1.26	1.3	259.7	1.4	136.2
190.0	189.93	-0.46	-1.17	1.3	248.5	1.5	173.4
200.0	199.93	-0.72	-1.25	1.4	240.1	1.6	188.6
210.0	209.92	-0.91	-1.43	1.7	237.5	1.8	268.6
220.0	219.92	-0.98	-1.71	2.0	240.1	1.8	294.9
230.0	229.92	-0.81	-1.95	2.1	247.4	1.6	337.9
240.0	239.91	-0.57	-2.09	2.2	254.8	1.5	356.9
250.0	249.91	-0.32	-2.11	2.1	261.3	1.7	341.5
260.0	259.91	-0.13	-2.04	2.0	266.4	1.2	39.1
270.0	269.90	-0.10	-1.88	1.9	266.9	1.6	188.2
280.0	279.90	-0.32	-1.87	1.9	260.1	1.6	192.3
290.0	289.90	-0.57	-1.95	2.0	253.6	1.9	234.6
300.0	299.89	-0.80	-2.10	2.2	249.1	1.7	212.4
310.0	309.89	-0.96	-2.35	2.5	247.8	1.7	257.7
320.0	319.88	-1.00	-2.65	2.8	249.3	1.8	282.1
330.0	329.88	-0.86	-2.95	3.1	253.8	1.8	329.2
340.0	339.87	-0.62	-2.96	3.0	258.3	1.4	10.8
350.0	349.87	-0.38	-2.93	3.0	262.5	1.2	25.1
360.0	359.87	-0.28	-2.76	2.8	264.3	1.1	82.6
370.0	369.87	-0.42	-2.73	2.8	261.2	1.6	196.6
380.0	379.86	-0.64	-2.90	3.0	257.6	1.8	232.4

389.85	-0.69	-3.44	3.5	255.0	1.0	255.0
399.85	-0.49	-3.51	3.5	262.0	1.8	333.1
409.84	-0.21	-3.66	3.7	266.7	1.9	334.7
419.84	0.09	-3.76	3.8	271.3	1.6	359.8
429.83	0.34	-3.77	3.8	275.2	1.3	29.0
439.83	0.42	-3.61	3.6	276.7	1.0	82.2
449.83	0.25	-3.71	3.7	273.9	1.7	217.8
459.82	0.08	-3.93	3.9	271.2	2.2	286.9
469.82	0.15	-4.29	4.3	272.0	2.1	301.0
479.81	0.40	-4.56	4.6	275.0	1.9	335.0
489.81	0.67	-4.59	4.6	278.3	2.2	320.1
499.80	0.60	-4.42	4.5	277.7	1.3	89.4
509.80	0.48	-4.31	4.3	276.4	1.2	198.9
519.80	0.39	-4.20	4.2	275.3	1.2	103.5
529.80	0.23	-4.09	4.1	273.2	1.3	95.5
539.79	0.36	-4.01	4.0	275.1	1.0	66.7
549.79	0.48	-3.88	3.9	277.1	1.0	81.7
559.79	0.51	-3.70	3.7	277.8	1.1	126.8
569.79	0.33	-3.65	3.7	275.2	1.3	185.9
579.78	0.18	-3.87	3.9	272.6	2.0	269.6
589.78	0.14	-4.18	4.2	271.9	1.9	249.8
599.77	0.10	-4.51	4.5	271.2	2.4	307.3
609.77	0.43	-4.55	4.6	275.4	1.6	15.4
619.76	0.69	-4.45	4.5	278.8	1.4	36.9
629.76	0.81	-4.31	4.4	280.6	1.4	28.5
639.76	0.92	-4.15	4.3	282.5	1.1	79.4
649.76	0.79	-4.05	4.1	280.8	1.2	187.5
659.75	0.73	-4.30	4.4	279.7	2.6	311.9
669.74	1.10	-4.48	4.6	283.8	2.2	349.8
679.73	1.47	-4.42	4.7	288.4	2.3	6.9
689.73	1.81	-4.31	4.7	292.8	1.9	27.7
699.72	2.08	-4.15	4.6	296.7	1.7	39.1
709.72	2.26	-4.00	4.6	299.5	1.1	42.3
719.72	2.24	-3.81	4.4	300.4	1.9	144.5
729.71	1.92	-3.81	4.3	296.8	1.9	201.6
739.70	1.97	-4.12	4.6	295.5	2.0	272.4
749.70	2.06	-4.42	4.9	295.1	2.7	335.3
759.69	2.40	-4.42	5.0	298.5	1.2	54.8
769.69	2.53	-4.28	5.0	300.6	1.1	49.1
779.68	2.50	-4.28	5.0	300.3	1.5	218.3
789.68	2.41	-4.21	4.9	299.8	1.0	96.3
799.68	2.36	-4.17	4.8	299.5	2.3	281.1
809.67	2.42	-4.50	5.1	298.2	1.7	251.6
819.67	2.57	-4.83	5.5	298.0	2.2	300.2
829.66	2.79	-5.06	5.8	298.8	1.8	266.6
839.65	3.08	-5.13	6.0	301.0	1.7	49.6
849.64	3.38	-4.93	6.0	304.5	1.9	42.1
859.64	3.41	-4.73	5.8	305.9	1.0	91.0
869.64	3.37	-4.57	5.7	306.4	1.1	131.7
879.64	3.20	-4.51	5.5	305.4	1.2	188.2
889.63	3.03	-4.59	5.5	303.4	1.9	266.8
899.63	3.02	-4.90	5.8	301.6	1.8	259.9
909.62	3.29	-5.14	6.1	302.7	2.6	345.1
919.61	3.69	-5.07	6.3	306.1	2.0	38.9
929.61	3.72	-4.87	6.1	307.4	1.1	99.3
939.61	3.64	-4.72	6.0	307.6	1.0	142.3
949.61	3.50	-4.63	5.8	307.1	1.5	233.8
959.60	3.53	-4.95	6.1	305.5	1.8	263.6
969.59	3.77	-5.23	6.5	305.8	2.2	294.6
979.58	4.08	-5.47	6.8	306.7	2.5	337.0
989.58	4.41	-5.39	7.0	309.3	1.4	70.7
999.57	4.46	-5.15	6.8	310.9	1.4	86.1
1009.57	4.46	-4.92	6.6	312.2	1.2	97.5
1019.57	4.34	-4.77	6.5	312.3	1.2	161.3
1029.56	4.38	-4.69	6.4	313.0	2.3	24.7
1039.55	4.64	-4.64	6.6	315.0	2.3	10.2
1049.55	4.90	-4.43	6.6	317.9	2.3	21.4
1059.54	5.28	-4.24	6.8	321.2	2.4	23.3
1069.53	5.66	-4.07	7.0	324.3	2.4	33.7
1079.52	5.81	-3.90	7.0	326.1	2.1	204.8
1089.51	5.90	-3.78	7.0	327.4	2.4	40.9
1099.51	6.23	-3.59	7.2	330.1	2.3	28.5
1109.50	6.58	-3.39	7.4	332.7	2.3	34.6
1119.49	6.92	-3.19	7.6	335.2	2.1	21.7
1129.48	7.27	-3.01	7.9	337.5	2.2	32.0
1139.48	7.57	-2.80	8.1	339.5	1.9	32.6

1099.51	6.23	-3.59	7.2	330.1	2.3	28.5
1109.50	6.58	-3.39	7.4	332.7	2.3	34.6
1119.49	6.92	-3.19	7.6	335.2	2.1	21.7
1129.48	7.27	-3.01	7.9	337.5	2.2	32.0
1139.48	7.57	-2.82	8.1	339.5	1.9	32.6
1149.47	7.84	-2.64	8.3	341.4	1.8	36.1
1159.47	8.08	-2.46	8.4	343.1	1.6	30.6
1169.46	8.33	-2.30	8.6	344.6	1.8	29.4
1179.46	8.58	-2.11	8.8	346.2	1.8	17.7
1189.45	8.89	-1.97	9.1	347.5	2.0	42.1
1199.45	9.16	-1.81	9.3	348.8	2.0	26.6
1209.44	9.47	-1.64	9.6	350.2	2.0	29.5
1219.43	9.77	-1.47	9.9	351.4	1.9	37.2
1229.43	10.07	-1.29	10.1	352.7	2.1	27.4
1239.42	10.40	-1.12	10.5	353.9	2.3	25.7
1249.41	10.75	-0.90	10.8	355.2	2.2	36.5
1259.41	11.07	-0.70	11.1	356.4	2.3	37.3
1269.40	11.36	-0.46	11.4	357.7	2.1	37.0
1279.39	11.64	-0.24	11.6	358.8	2.1	41.8
1289.39	11.83	0.03	11.8	0.1	1.6	48.2
1299.38	12.10	0.25	12.1	1.2	2.2	43.8
1309.37	12.30	0.56	12.3	2.6	1.9	47.7
1319.37	12.54	0.83	12.6	3.8	2.2	53.3
1329.36	12.75	1.14	12.8	5.1	2.2	58.3
1339.35	12.95	1.46	13.0	6.4	2.1	59.1
1349.34	13.09	1.65	13.2	7.2	2.3	257.3
1359.34	13.13	1.51	13.2	6.6	1.7	55.9
1369.33	13.47	1.67	13.6	7.1	2.3	19.6
1379.32	13.83	1.79	13.9	7.4	2.1	18.3
1389.32	14.16	1.89	14.3	7.6	1.9	15.2
1399.31	14.48	1.99	14.6	7.8	1.8	15.3
1409.31	14.79	2.05	14.9	7.9	1.7	11.7
1419.30	15.07	2.12	15.2	8.0	1.6	9.8
1429.30	15.34	2.16	15.5	8.0	1.5	4.0
1439.30	15.59	2.20	15.7	8.0	1.4	6.4
1449.29	15.73	2.29	15.9	8.3	1.4	136.5
1459.29	15.69	2.51	15.9	9.1	1.6	74.8
1469.29	15.80	2.77	16.0	9.9	1.7	48.7
1479.28	15.93	3.02	16.2	10.7	1.5	70.4
1489.28	16.05	3.24	16.4	11.4	1.5	60.5
1499.28	16.20	3.46	16.6	12.0	1.5	52.0
1509.27	16.37	3.66	16.8	12.6	1.5	49.9
1519.27	16.55	3.81	17.0	13.0	1.4	23.1
1529.27	16.74	3.96	17.2	13.3	1.5	42.1
1539.26	16.89	4.17	17.4	13.9	1.5	67.5
1549.26	17.07	4.35	17.6	14.3	1.6	15.0
1559.26	17.08	4.22	17.6	13.9	1.7	208.6
1569.25	17.01	4.14	17.5	13.7	0.1	145.5
1579.25	17.02	4.16	17.5	13.7	0.2	0.5
1589.25	17.16	4.32	17.7	14.1	1.6	44.5
1599.25	17.33	4.55	17.9	14.7	1.6	39.5
1609.24	17.51	4.78	18.2	15.3	2.1	60.4
1619.24	17.71	5.00	18.4	15.8	1.7	46.5
1629.23	17.93	5.20	18.7	16.2	1.7	37.3
1639.23	18.12	5.44	18.9	16.7	1.7	50.3
1649.22	18.32	5.66	19.2	17.2	1.8	50.4
1659.22	18.49	5.90	19.4	17.7	1.6	55.0
1669.22	18.70	6.03	19.6	17.9	1.6	298.2
1679.21	18.53	5.87	19.4	17.6	0.2	258.2
1689.21	18.52	5.86	19.4	17.6	0.0	19.7
1699.21	18.50	5.87	19.4	17.6	0.3	212.8
1709.21	18.48	5.85	19.4	17.6	0.2	196.6
1719.21	18.47	5.86	19.4	17.6	0.3	139.2
1729.21	18.48	5.87	19.4	17.6	0.0	112.4
1739.21	18.45	5.89	19.4	17.7	0.1	99.5
1749.21	18.42	5.89	19.3	17.7	0.2	218.2
1759.21	18.41	5.89	19.3	17.7	0.0	226.8
1769.21	18.59	5.86	19.5	17.5	1.4	349.9
1779.21	18.79	5.92	19.7	17.5	1.1	332.4
1789.21	18.86	5.76	19.7	17.0	0.6	274.2
1799.21	18.88	5.68	19.7	16.7	0.4	263.6
1809.21	18.88	5.62	19.7	16.6	0.3	280.9
1819.21	18.86	5.61	19.7	16.6	0.3	158.4
1829.20	18.83	5.62	19.6	16.6	0.4	120.8

1819.21	18.86	5.61	19.7	16.6	0.3	169.4
1829.20	18.83	5.62	19.6	16.6	0.4	120.8
1839.20	18.76	5.64	19.6	16.7	0.8	145.1
1849.20	18.68	5.66	19.5	16.9	0.6	214.9
1859.20	18.60	5.68	19.4	17.0	0.5	170.9
1869.20	18.51	5.68	19.4	17.1	0.6	171.5
1879.20	18.41	5.68	19.3	17.2	0.7	203.0
1889.20	18.33	5.66	19.2	17.2	0.6	187.5
1899.20	18.23	5.67	19.1	17.3	0.6	171.1
1909.20	18.12	5.69	19.0	17.4	0.8	101.7
1919.20	18.15	5.59	19.0	17.1	1.3	341.8
1929.20	18.13	5.61	19.0	17.2	0.4	189.9
1939.20	18.05	5.62	18.9	17.3	0.6	140.0
1949.20	18.09	5.60	18.9	17.2	1.9	310.1
1959.19	18.19	5.51	19.0	16.8	0.7	158.9
1969.19	18.22	5.55	19.0	16.9	0.5	329.7
1979.19	18.45	5.36	19.2	16.2	0.9	45.1
1989.19	18.41	5.40	19.2	16.3	0.4	158.2
1999.19	18.34	5.41	19.1	16.4	0.4	168.9
2009.19	18.27	5.43	19.1	16.5	0.4	159.9
2019.19	18.19	5.42	19.0	16.6	0.5	198.6
2029.19	18.13	5.46	18.9	16.8	0.6	135.6
2039.18	18.05	5.48	18.9	16.9	0.4	157.4
2049.18	17.97	5.53	18.8	17.1	0.6	139.9
2059.18	17.88	5.61	18.7	17.4	0.7	139.1
2069.18	17.81	5.68	18.7	17.7	0.6	102.9
2079.18	17.74	5.79	18.7	18.1	1.6	53.6
2089.18	17.89	5.65	18.8	17.5	1.3	45.7
2099.18	18.01	5.73	18.9	17.6	0.3	107.4
2109.18	17.94	5.78	18.9	17.8	0.6	152.0
2119.17	17.87	5.81	18.8	18.0	0.4	153.6
2129.17	17.78	5.89	18.7	18.3	0.7	134.8
2139.17	17.70	5.96	18.7	18.6	0.6	155.0
2149.17	17.62	6.02	18.6	18.9	0.7	138.9
2159.17	17.52	6.09	18.5	19.2	0.7	148.1
2169.17	17.43	6.16	18.5	19.4	0.6	132.9
2179.17	17.34	6.23	18.4	19.8	0.6	151.8
2189.17	17.25	6.30	18.4	20.1	0.8	140.5
2199.17	17.17	6.38	18.3	20.4	0.6	159.4
2209.17	17.14	6.44	18.3	20.6	0.6	110.0
2219.17	17.09	6.41	18.2	20.6	0.5	125.4
2229.17	17.02	6.48	18.2	20.8	0.7	151.2
2239.17	16.97	6.55	18.2	21.1	0.4	119.8
2249.17	16.96	6.64	18.2	21.4	1.0	115.1
2257.56	16.94	6.68	18.2	21.5	0.6	299.3

Well: N23A

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"	536'	15"	240		X	11/15/2007	bskt @ 253'
Surface	9 5/8"	782'	12 3/8"	306.8	X		11/26/2007	bskt @ 576'/620
Water Protection	4 1/2"	2240'	6 1/2"	350	X		11/29/2007	
Coal Protection	4 1/2"	2240'	6 1/2"	350	X		11/29/2007	
Other Casing & Tubing	7"	1019'	8 7/8"	238	X		11/27/2007	bskt @ 842'
Other Casing & Tubing	18"	21'	20"				11/14/2007	
Liners								

DRILL DATA
NOAH HORN WELL DRILLING

COMPANY: CNX
HOLE: N-23-A
RIG #: 88
LOCATION: RT. 600

DATE STARTED: 11-13-07
DATE COMPLETED: 11-30-07

ELECTRIC LOGGED: YES
GROUTED: YES

DEPTH FROM	THICKNESS TO	FT	STRATA DESCRIPTION,VOIDS ETC
0	13	13	OVERBURDEN
13	30	17	SAND-SHALE
30	60	30	SAND-SHALE
60	90	30	SAND-SHALE-COAL
90	120	30	SAND-SHALE
120	150	30	SAND-SHALE-COAL
150	180	30	SAND-SHALE
180	210	30	SAND-SHALE-COAL
210	240	30	SAND-SHALE
240	270	30	SAND-SHALE
270	300	30	SAND-SHALE
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-COAL
450	480	30	SAND-SHALE
480	510	30	SAND-SHALE-COAL - BROKE UP AT 510
494	524	30	SANDY SHALE-COAL-SAND
524	536	12	SANDY SHALE-SAND
536	545	9	SANDY SHALE-SAND
545	575	30	SAND-COAL-SANDY SHALE
575	605	30	SANDY SHALE-SAND
605	635	30	SAND
635	665	30	SANDY SHALE-SAND
665	695	30	SAND-SANDY SHALE
695	725	30	SANDY SHALE-COAL-SAND
725	755	30	SAND
755	785	30	SAND-SANDY SHALE
785	800	15	SANDY SHALE-SAND
800	815	15	SANDY SHALE-SAND
815	845	30	SAND-SANDY SHALE
845	875	30	SANDY SHALE-COAL-SANDY SHALE
875	905	30	SANDY SHALE-SAND
905	935	30	COAL-SAND-SANDY SHALE
935	965	30	SANDY SHALE-SAND-COAL
965	995	30	SANDY SHALE
995	1025	30	SANDY SHALE
1025	1040	15	SANDY SHALE-COAL-SANDY SHALE

DRILL DATA
NOAH HORN WELL DRILLING

DEPTH FROM	THICKNESS TO	FT	STRATA DESCRIPTION,VOIDS ETC
1040	1060	20	SANDY SHALE-SAND
1060	1090	30	SAND-SANDY SHALE
1090	1120	30	SANDY SHALE-COAL-SANDY SHALE
1120	1150	30	SANDY SHALE-COAL-SAND
1150	1180	30	SAND-SANDY SHALE
1180	1210	30	SANDY SHALE
1210	1240	30	SANDY SHALE-SAND
1240	1270	30	SAND-SANDY SHALE
1270	1300	30	SANDY SHALE
1300	1330	30	SANDY-SHALE
1330	1360	30	SANDY SHALE-COAL-SAND
1360	1390	30	SNADY-SANDY SHALE
1390	1420	30	SANDY SHALE
1420	1450	30	SANDY SHALE-COAL-SAND
1450	1480	30	SAND-SANDY SHALE
1480	1510	30	SANDY SHALE
1510	1540	30	SANDY SHALE-COAL-SANDY SHALE
1540	1570	30	SANDY SHALE-SAND
1570	1600	30	SAND-SANDY SHALE-SAND
1600	1630	30	SANDY-COAL-SANDY SHALE
1630	1660	30	SANDY SHALE-SAND
1660	1690	30	SAND
1690	1720	30	SAND-COAL-SANDY SHALE
1720	1750	30	SANDY SHALE
1750	1780	30	SANDY SHALE
1780	1810	30	SANDY SHALE-COAL-SANDY SHALE
1810	1840	30	SANDY SHALE-COAL-SANDY SHALE
1840	1870	30	SANDY SHALE
1870	1900	30	SANDY SHALE-SAND
1900	1930	30	SAND
1930	1960	30	SAND-SANDY SHALE
1960	1990	30	SANDY SHALE-COAL-SANDY SHALE
1990	2020	30	SANDY SHALE
2020	2050	30	SAND-SHALE-COAL
2050	2080	30	SAND-SHALE
2080	2110	30	SAND-SHALE
2110	2140	30	SAND-SHALE
2140	2170	30	SAND-SHALE
2170	2194	24	SAND-SHALE
2194	2200	6	SAND-SHALE
2200	2230	30	SAND-SHALE-COAL
2230	2253	23	SAND-SHALE

DRILL DATA
NOAH HORN WELL DRILLING

DEPTH FROM	THICKNESS TO	FT	STRATA DESCRIPTION,VOIDS ETC
TOTALS			
2253'	TOTAL DEPTH		
20.75'	18" CASING		
546.88'	13 3/8" CASING		
782.40'	9 5/8" CASING		
1018.90'	7" CASING		
2239.70'	4 1/2" CASING		