



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:	<u>1537</u>
Company:	<u>CNX Gas Company LLC</u>
File Number:	<u>BU-3847</u>
Operations Name:	<u>CBM P27A W/PL</u>
Operation Type:	<u>Coalbed/Pipeline</u>
Drilling Report Type:	<u>Original</u>

DRILLING REPORT (DGO-GO-14)

1. Drilling Data

Date drilling commenced:	<u>5/1/2008</u>	Drilling Contractor:	<u>Noah Horn</u>
Date drilling completed:	<u>5/7/2008</u>	Rig Type:	<input checked="" type="checkbox"/> Rotary <input type="checkbox"/> Cable
Driller's Total Depth (feet):	<u>2325.00</u>		
Log Total Depth (feet):	<u>2328.78</u>	Coal Seam at Total Depth:	<u>Pocahontas</u>

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

Permitted State Plane X:	<u>994130.85</u>	Final Plat State Plane X:	<u>994127.28</u>
Permitted State Plane Y:	<u>337089.14</u>	Final Plat State Plane Y:	<u>337096.85</u>

Plat Previously Submitted Or...

List of Attached Items:

Description	FileName
plat	P27A PLAT.pdf

3. Geological Data

Fresh Water At:

Depth (in feet)	Rate	Unit of Measure
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Salt Water At:

Depth (in feet)	Rate	Unit of Measure
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Coal Seams:

List of Attached Items:

Description	FileName
exhibit a	P27A EXHIBIT A.pdf

Gas and Oil Shows:

List of Attached Items:

Description	FileName
gas show	P27A 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?

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

List of Attached Items:

Description	FileName
deviation	P27A DEVIATION.pdf

6. Casing and Tubing Program

List of Attached Items:

Description	FileName
casing	P27A 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/occurrence.

Void at 150 ft; 9 5/8" casing cemented on backside to surface.

8. Drillers Log

Compiled By: Noah Horn

List of Attached Items:

Description	FileName
drill data	P27A DRILL DATA.pdf

9. Comments

10. Signature

Permittee: CNX Gas Company LLC

Date: 10/25/2008

Signed By: Leslie Arrington

Title: Director Environmental Permitting

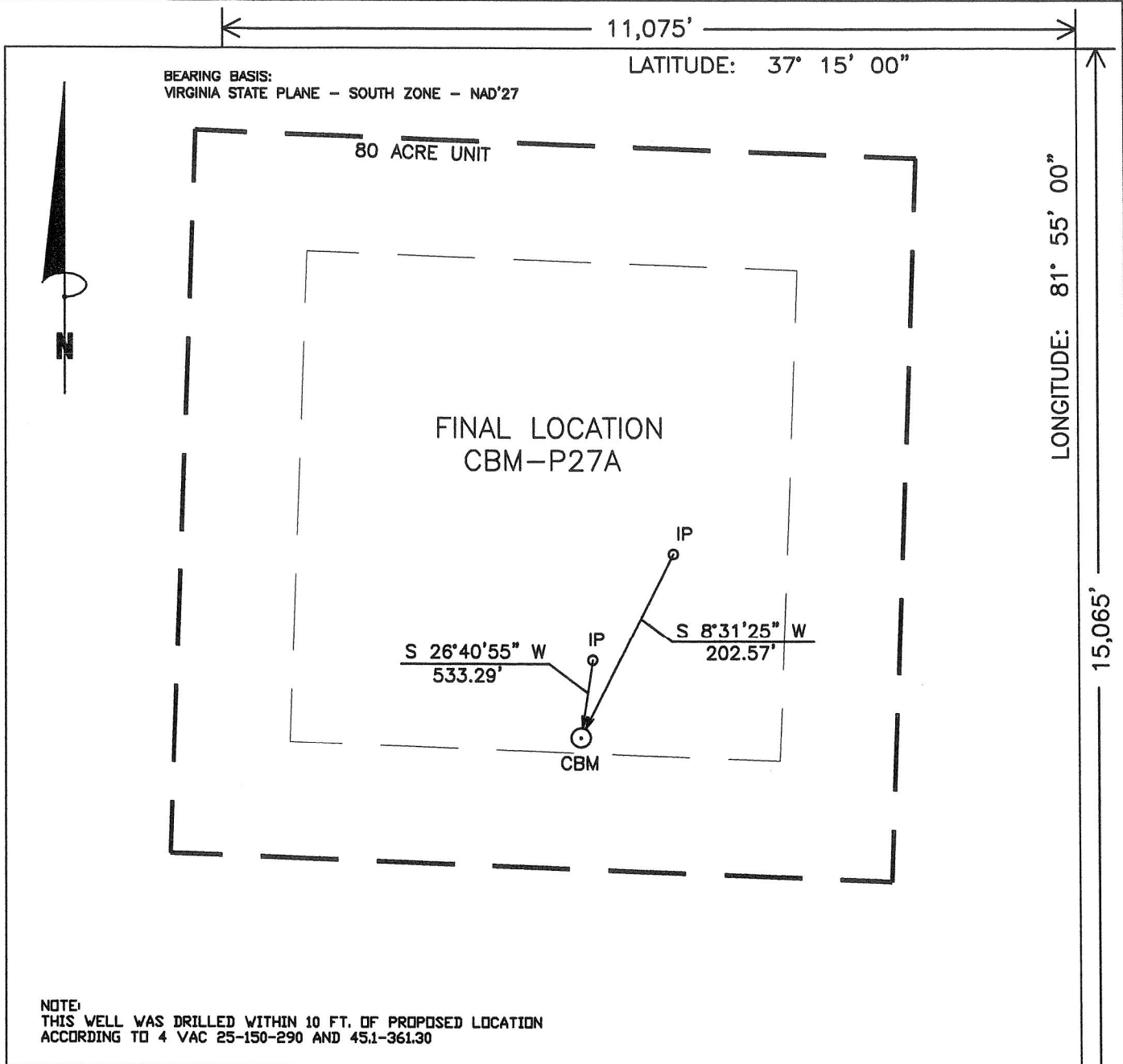
INTERNAL USE ONLY

Submit Date: 10/25/2008

Status: A

Date: 11/4/2008

Final PDF Date: 11/4/2008



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

P27AFNL
2N30/175-667/27

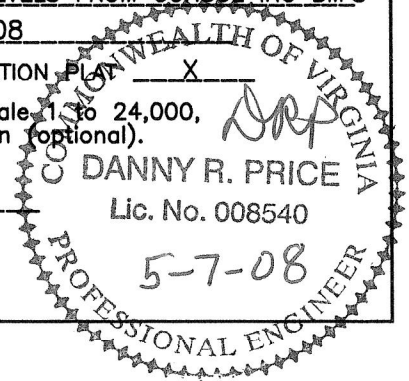
COMPANY CNX GAS COMPANY, LLC. WELL NAME OR NUMBER CBM-P27A
 TRACT NUMBER CONSOL COAL ET AL QUADRANGLE KEEN MOUNTAIN
 DISTRICT: GARDEN

WELL COORDINATES (VIRGINIA STATE PLANE): STATE PLANE: N 337,096.85 E 994,127.28
 ELEVATION: 2259.34' METHOD USED TO DETERMINE ELEVATION: BY TRIG. LEVELS FROM CONSOL INC BM'S
 COUNTY BUCHANAN Scale: 1" = 400' Date 05-07-08

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)



P27A.CMP
Exhibit A

Well Name: 08 CBM P27A
SURFACE ELEV: 2259.34 EASTING: 994127.28 NORTHING: 337096.85

SEAM	DEPTH FROM (FT)	DEPTH TO (FT)	ELEVATION (TOSE)	THK. (FT)	REMARKS
UB1	66.70	68.30	2192.64	1.60	
	68.30	160.00	2191.04	91.70	
LB1	160.00	163.10	2099.34	3.10	MINED OUT
	163.10	187.90	2096.24	24.80	
LB2	187.90	189.90	2071.44	2.00	
	189.90	240.90	2069.44	51.00	
COAL	240.90	242.10	2018.44	1.20	
	242.10	342.30	2017.24	100.20	
KN2	342.30	344.60	1917.04	2.30	
	344.60	358.90	1914.74	14.30	
COAL	358.90	359.80	1900.44	0.90	
	359.80	475.20	1899.54	115.40	
AL1	475.20	476.20	1784.14	1.00	
	476.20	574.90	1783.14	98.70	
RA1	574.90	577.00	1684.44	2.10	
	577.00	616.00	1682.34	39.00	
RA2	616.00	619.70	1643.34	3.70	
	619.70	624.10	1639.64	4.40	
RA3	624.10	625.40	1635.24	1.30	
	625.40	705.10	1633.94	79.70	
JB1	705.10	706.50	1554.24	1.40	
	706.50	760.80	1552.84	54.30	
JB3	760.80	761.20	1498.54	0.40	
	761.20	1244.00	1498.14	482.80	
*LS1	1244.00	1244.90	1015.34	0.90	
	1244.90	1304.60	1014.44	59.70	
*UH1	1304.60	1305.10	954.74	0.50	
	1305.10	1365.60	954.24	60.50	
*UH2	1365.60	1366.80	893.74	1.20	
	1366.80	1368.80	892.54	2.00	
*COAL	1368.80	1369.30	890.54	0.50	
	1369.30	1405.10	890.04	35.80	
*MH1	1405.10	1406.50	854.24	1.40	
	1406.50	1465.90	852.84	59.40	
*COAL	1465.90	1466.10	793.44	0.20	
	1466.10	1494.90	793.24	28.80	
*P11	1494.90	1496.80	764.44	1.90	
	1496.80	1520.00	762.54	23.20	
*P10	1520.00	1520.80	739.34	0.80	
	1520.80	1578.40	738.54	57.60	
*LH1	1578.40	1578.80	680.94	0.40	
	1578.80	1646.40	680.54	67.60	
*P91	1646.40	1647.80	612.94	1.40	
	1647.80	1649.00	611.54	1.20	
*P92	1649.00	1649.40	610.34	0.40	
	1649.40	1713.10	609.94	63.70	
*COAL	1713.10	1713.60	546.24	0.50	
	1713.60	1765.90	545.74	52.30	
*P82	1765.90	1766.80	493.44	0.90	
	1766.80	1818.40	492.54	51.60	
*P71	1818.40	1818.90	440.94	0.50	
	1818.90	1858.00	440.44	39.10	
*P72	1858.00	1860.00	401.34	2.00	
	1860.00	1940.90	399.34	80.90	
*P51	1940.90	1942.10	318.44	1.20	
	1942.10	2021.70	317.24	79.60	
*P41	2021.70	2022.30	237.64	0.60	

			P27A.CMP	
	2022.30	2088.70	237.04	66.40
*P3	2088.70	2093.20	170.64	4.50
	2093.20	2198.70	166.14	105.50
*SJ2	2198.70	2199.00	60.64	0.30
	2199.00	2248.30	60.34	49.30
*COAL	2248.30	2248.70	11.04	0.40
	2248.70	2328.78	10.64	80.08

COAL SEAMS TO BE STIMULATED WERE ADJUSTED DUE TO THE GAS
 WELL'S PROXIMITY TO AUS KEEN BRANCH AND WATER WELL VP2-113.
 GAMMA-CALIPER LOG FROM 0 TO 625.00
 GAMMA-DENSITY LOG FROM 625.00 TO TD.
 NOTE: FOOTAGE NOT ADJUSTED FOR DEVIATION
 FILE: H:\JIMHAZ~1\PROJECTS\GAS\P27A.CMP
 DATE: 05/22/08

Well: P27A

Oil & Gas Show

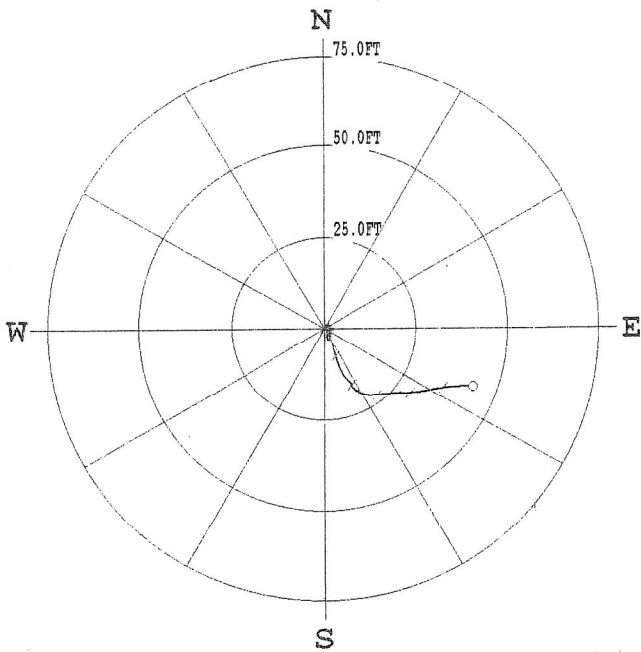
Formation	Top	Bottom	Thickness	IPF (MCFD/BOPD)	Pressure	Hours Tested
Lee/Norton	1365.6	1647.8	282.2			
Pocahontas	1858.0	2093.2	235.2			
Total IPF				21600		

PLAN VIEW COMPU-LOG DEVIATION

CLIENT: Consol Energy
 LOCATION: Keene Mt.
 HOLE ID: 08-CNX-P-27-A
 DATE OF LOG: 05/07/08
 PROBE: 9136CA 955



SCALE: 25 FT/IN
 TRUE DEPTH: 2319.91 FT
 AZIMUTH: 111.3
 DISTANCE: 43.5 FT
 + = 300 FT INCR
 ○ = BOTTOM OF HOLE



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

CLIENT : Consol Energy	HOLE ID. : 08-CNX-P-27-A
FIELD OFFICE :	DATE OF LOG : 05/07/08
DATA FROM :	PROBE : 9136CA , 955
MAG. DECL. : -6.900	DEPTH UNITS : FEET
LOG: 08-CNX-P-27-A_05-07-08_18-52_9136CA_1_0.00_2321.00_DEVI.log	

TABLE DEPTH	TRUE DEPTH	NORTH DEV.	EAST DEV.	DISTANCE	AZIMUTH	SANG	SANGB
50.0	49.99	0.73	0.54	0.9	36.6	1.4	72.8
60.0	59.98	0.72	0.79	1.1	47.3	1.4	102.5
70.0	69.98	0.56	0.97	1.1	59.8	1.5	149.8
80.0	79.98	0.32	1.02	1.1	72.7	1.5	167.3
90.0	89.97	0.08	1.11	1.1	86.0	1.5	143.3
100.0	99.97	-0.13	1.25	1.3	95.8	1.5	137.4
110.0	109.97	-0.30	1.42	1.5	101.8	1.4	120.9
120.0	119.96	-0.50	1.57	1.6	107.8	1.5	154.1
130.0	129.96	-0.70	1.74	1.9	111.9	1.5	147.9
140.0	139.96	-0.92	1.86	2.1	116.3	1.5	156.5
150.0	149.95	-1.17	1.91	2.2	121.6	1.4	174.8
160.0	159.95	-1.43	1.87	2.4	127.3	1.5	190.1
170.0	169.95	-1.67	1.78	2.4	133.2	1.6	219.8
180.0	179.94	-1.93	1.72	2.6	138.3	1.6	202.7
190.0	189.94	-2.19	1.67	2.8	142.7	1.6	193.0
200.0	199.94	-2.45	1.61	2.9	146.7	1.5	202.3
210.0	209.93	-2.70	1.48	3.1	151.2	1.6	210.7
220.0	219.93	-2.93	1.33	3.2	155.6	1.7	198.7
230.0	229.92	-3.14	1.13	3.3	160.2	1.7	269.9
240.0	239.92	-2.99	0.87	3.1	163.8	1.8	309.8
250.0	249.91	-2.70	0.74	2.8	164.6	1.8	13.8
260.0	259.91	-2.40	0.68	2.5	164.3	1.8	335.0
270.0	269.90	-2.10	0.72	2.2	161.0	1.8	351.9
280.0	279.90	-1.78	0.77	1.9	156.8	1.9	26.9
290.0	289.89	-1.53	0.96	1.8	148.0	1.8	27.2
300.0	299.89	-1.32	1.17	1.6	130.4	1.8	65.6
310.0	309.88	-1.08	1.37	1.7	128.2	1.8	29.1
320.0	319.88	-0.88	1.60	1.8	118.8	1.8	103.7
330.0	329.87	-0.77	1.84	2.0	112.7	1.8	21.0
340.0	339.87	-0.49	1.99	2.1	103.9	1.9	25.1
350.0	349.86	-0.35	2.26	2.3	98.7	1.8	35.8

199.94	-2.45	1.61	2.9	146.7	1.5	202.3
200.0	-2.70	1.48	3.1	151.2	1.6	210.7
210.0	-2.93	1.33	3.2	155.6	1.7	198.7
220.0	-3.14	1.13	3.3	160.2	1.7	269.9
230.0	-2.99	0.87	3.1	163.8	1.8	309.8
240.0	-2.70	0.74	2.8	164.6	1.8	13.8
250.0	-2.40	0.68	2.5	164.3	1.8	335.0
260.0	-2.10	0.72	2.2	161.0	1.8	351.9
270.0	-1.78	0.77	1.9	156.8	1.9	26.9
280.0	-1.53	0.96	1.8	148.0	1.8	27.2
290.0	-1.32	1.17	1.6	138.4	1.6	65.6
300.0	-1.08	1.37	1.7	128.2	1.8	29.1
310.0	-0.88	1.60	1.8	118.8	1.8	103.7
320.0	-0.77	1.84	2.0	112.7	1.8	21.0
330.0	-0.49	1.99	2.1	103.9	1.9	25.1
340.0	-0.35	2.26	2.3	98.7	1.8	35.8
350.0	-0.16	2.49	2.5	93.6	1.8	125.4
360.0	-0.16	2.26	2.3	94.1	1.9	306.1
370.0	-0.13	1.96	2.0	93.9	1.8	253.8
380.0	-0.14	1.69	1.7	94.6	1.2	279.0
390.0	-0.04	1.51	1.5	91.5	1.5	343.5
400.0	0.15	1.42	1.4	84.1	1.6	354.2
410.0	0.39	1.36	1.4	73.9	1.8	20.4
420.0	0.63	1.33	1.5	64.4	1.7	23.3
430.0	0.59	1.53	1.6	68.8	1.1	177.0
440.0	0.40	1.52	1.6	75.2	1.1	177.4
450.0	0.20	1.56	1.6	82.8	1.1	187.4
460.0	0.02	1.48	1.5	89.1	1.1	195.6
470.0	-0.17	1.44	1.5	96.7	1.1	190.8
480.0	-0.26	1.28	1.3	101.6	1.2	213.2
490.0	-0.42	1.16	1.2	110.1	1.5	268.4
500.0	-0.59	1.00	1.2	120.5	1.3	208.5
510.0	-0.74	0.82	1.1	132.0	1.5	256.7
520.0	-0.89	0.63	1.1	144.6	1.5	201.4
530.0	-0.98	0.49	1.1	153.5	1.9	40.7
540.0	-0.74	0.69	1.0	137.0	1.8	12.7
550.0	-0.57	0.88	1.0	122.7	1.9	31.3
560.0	-0.38	1.09	1.2	109.5	1.8	121.3
570.0	-0.56	1.16	1.3	116.0	1.4	262.8
580.0	-0.62	0.92	1.1	123.8	1.4	239.6
590.0	-0.63	0.69	0.9	132.6	1.4	281.2
600.0	-0.49	0.48	0.7	135.8	1.5	291.6
610.0	-0.51	0.26	0.6	153.0	1.6	321.5
620.0	-0.23	0.29	0.4	128.8	1.7	6.4
630.0	-0.15	0.36	0.4	112.4	1.5	141.9
640.0	-0.38	0.50	0.6	127.3	1.5	148.7
650.0	-0.62	0.64	0.9	134.2	1.6	149.6
660.0	-0.85	0.77	1.1	138.0	1.6	152.7
670.0	-1.09	0.90	1.4	140.5	1.7	154.9
680.0	-1.34	1.03	1.7	142.7	1.6	152.2
690.0	-1.60	1.15	2.0	144.3	1.7	151.5
700.0	-1.87	1.26	2.3	146.0	1.7	165.1
710.0	-2.11	1.36	2.5	147.2	1.2	142.6
720.0	-2.35	1.48	2.8	147.9	1.7	152.7
730.0	-2.64	1.58	3.1	149.0	1.6	153.3
740.0	-2.92	1.70	3.4	149.7	1.7	160.3
750.0	-3.20	1.80	3.7	150.7	1.7	161.5
760.0	-3.49	1.89	4.0	151.5	2.0	165.6
770.0	-3.78	1.99	4.3	152.3	1.8	162.7
780.0	-4.07	2.07	4.6	153.0	1.8	165.1
790.0	-4.38	2.14	4.9	154.0	1.9	163.2
800.0	-4.68	2.19	5.2	155.0	1.7	162.4
810.0	-4.95	2.26	5.4	155.5	1.7	167.9
820.0	-5.24	2.33	5.7	156.1	1.9	164.6
830.0	-5.54	2.40	6.0	156.6	1.9	164.1
840.0	-5.84	2.47	6.3	157.1	1.8	164.0
850.0	-6.14	2.54	6.6	157.6	1.7	172.2
860.0	-6.43	2.59	6.9	158.1	1.7	169.5
870.0	-6.73	2.66	7.2	158.4	1.9	165.7
880.0	-7.05	2.76	7.6	158.6	1.9	161.1
890.0	-7.40	2.85	7.9	158.9	2.0	163.2
900.0	-7.73	2.96	8.3	159.0	2.0	164.4
910.0	-8.07	3.06	8.6	159.2	2.0	164.8
920.0	-8.32	3.17	9.0	159.3	2.0	159.0

890.0	889.65	-7.05	2.76	7.6	158.6	1.9	161.1
900.0	899.64	-7.40	2.85	7.9	158.9	2.0	163.2
910.0	909.64	-7.73	2.96	8.3	159.0	2.0	164.4
920.0	919.63	-8.07	3.06	8.6	159.2	2.0	164.8
930.0	929.63	-8.38	3.17	9.0	159.3	2.0	159.8
940.0	939.62	-8.71	3.29	9.3	159.3	2.1	162.4
950.0	949.61	-9.03	3.40	9.7	159.4	1.9	146.4
960.0	959.61	-9.35	3.53	10.0	159.3	1.9	165.2
970.0	969.60	-9.65	3.63	10.3	159.4	1.8	156.9
980.0	979.60	-9.95	3.78	10.6	159.2	1.9	172.2
990.0	989.59	-10.25	3.88	11.0	159.3	1.9	167.1
1000.0	999.59	-10.54	4.00	11.3	159.2	2.2	175.4
1010.0	1009.58	-10.84	4.14	11.6	159.1	1.9	148.6
1020.0	1019.57	-11.16	4.28	12.0	159.0	2.2	179.9
1030.0	1029.57	-11.44	4.44	12.3	158.8	1.8	157.3
1040.0	1039.56	-11.72	4.60	12.6	158.5	2.0	147.9
1050.0	1049.56	-12.01	4.76	12.9	158.4	1.9	151.3
1060.0	1059.55	-12.27	4.93	13.2	158.1	1.8	146.5
1070.0	1069.55	-12.53	5.11	13.5	157.8	1.8	145.5
1080.0	1079.54	-12.78	5.28	13.8	157.5	1.7	144.5
1090.0	1089.54	-13.02	5.47	14.1	157.2	1.7	140.1
1100.0	1099.53	-13.26	5.67	14.4	156.9	1.8	141.7
1110.0	1109.53	-13.50	5.86	14.7	156.5	1.8	136.9
1120.0	1119.52	-13.73	6.08	15.0	156.1	1.9	140.3
1130.0	1129.52	-13.95	6.29	15.3	155.7	1.7	142.0
1140.0	1139.52	-14.16	6.50	15.6	155.3	1.7	134.0
1150.0	1149.51	-14.38	6.71	15.9	155.0	1.8	133.0
1160.0	1159.50	-14.60	6.96	16.2	154.5	1.8	120.6
1170.0	1169.50	-14.78	7.20	16.4	154.0	1.9	135.6
1180.0	1179.50	-15.02	7.40	16.7	153.8	1.7	138.9
1190.0	1189.49	-15.18	7.40	16.9	154.0	1.9	334.7
1200.0	1199.49	-15.17	7.40	16.9	154.0	2.0	172.3
1210.0	1209.48	-15.48	7.27	17.1	154.8	1.7	132.8
1220.0	1219.48	-15.68	7.49	17.4	154.5	1.7	138.2
1230.0	1229.47	-15.90	7.65	17.6	154.3	1.3	117.6
1240.0	1239.47	-16.06	7.85	17.9	154.0	1.8	144.2
1250.0	1249.46	-16.27	8.03	18.1	153.7	1.6	138.1
1260.0	1259.46	-16.46	8.21	18.4	153.5	1.5	132.6
1270.0	1269.46	-16.63	8.41	18.6	153.2	1.5	137.7
1280.0	1279.45	-16.79	8.63	18.9	152.8	1.7	125.1
1290.0	1289.45	-16.88	8.87	19.1	152.3	1.5	106.9
1300.0	1299.45	-16.98	9.14	19.3	151.7	1.6	106.6
1310.0	1309.44	-17.12	9.37	19.5	151.3	1.6	135.4
1320.0	1319.44	-17.28	9.59	19.8	151.0	1.5	98.4
1330.0	1329.43	-17.38	9.83	20.0	150.5	1.5	113.2
1340.0	1339.43	-17.46	10.06	20.2	150.0	1.6	121.1
1350.0	1349.43	-17.55	10.30	20.4	149.6	1.3	119.1
1360.0	1359.43	-17.65	10.52	20.5	149.2	1.2	93.1
1370.0	1369.42	-17.71	10.75	20.7	148.8	1.7	96.8
1380.0	1379.42	-17.80	10.98	20.9	148.3	1.3	108.5
1390.0	1389.42	-17.85	11.19	21.1	147.9	1.2	88.5
1400.0	1399.41	-17.88	11.43	21.2	147.4	1.5	95.7
1410.0	1409.41	-17.93	11.67	21.4	146.9	1.3	93.2
1420.0	1419.41	-17.96	11.92	21.6	146.4	1.8	100.5
1430.0	1429.40	-17.98	12.19	21.7	145.9	1.6	86.0
1440.0	1439.40	-17.98	12.48	21.9	145.2	1.7	90.3
1450.0	1449.40	-17.98	12.77	22.1	144.6	1.6	87.8
1460.0	1459.39	-17.96	13.06	22.2	144.0	1.7	83.9
1470.0	1469.39	-17.95	13.36	22.4	143.4	1.6	83.2
1480.0	1479.38	-17.94	13.66	22.5	142.7	1.7	88.0
1490.0	1489.38	-17.91	13.95	22.7	142.1	1.6	93.1
1500.0	1499.37	-17.88	14.27	22.9	141.4	1.9	80.2
1510.0	1509.37	-17.84	14.57	23.0	140.8	1.8	83.8
1520.0	1519.36	-17.82	14.89	23.2	140.1	1.7	71.5
1530.0	1529.36	-17.80	15.18	23.4	139.5	1.6	84.9
1540.0	1539.35	-17.78	15.51	23.6	138.9	1.7	90.2
1550.0	1549.35	-17.74	15.81	23.8	138.3	1.9	80.4
1560.0	1559.34	-17.70	16.14	24.0	137.7	1.8	90.5
1570.0	1569.34	-17.68	16.44	24.1	137.1	1.8	83.0
1580.0	1579.33	-17.68	16.75	24.4	136.5	1.8	85.4
1590.0	1589.33	-17.66	17.04	24.5	136.0	1.7	91.2
1600.0	1599.32	-17.65	17.34	24.7	135.5	1.8	89.9
1610.0	1609.32	-17.60	17.65	24.9	134.9	1.8	83.5
1620.0	1619.31	-17.60	17.97	25.1	134.4	1.7	82.5

1580.0	1579.33	-17.68	16.75	24.4	136.5	1.8	85.4
1590.0	1589.33	-17.66	17.04	24.5	136.0	1.7	91.2
1600.0	1599.32	-17.65	17.34	24.7	135.5	1.8	89.9
1610.0	1609.32	-17.60	17.65	24.9	134.9	1.8	83.5
1620.0	1619.31	-17.60	17.97	25.1	134.4	1.7	82.5
1630.0	1629.31	-17.54	18.26	25.3	133.8	2.0	96.8
1640.0	1639.30	-17.53	18.58	25.5	133.3	2.1	89.4
1650.0	1649.30	-17.51	18.91	25.8	132.8	2.0	112.7
1660.0	1659.29	-17.48	19.21	26.0	132.3	1.7	71.9
1670.0	1669.29	-17.46	19.52	26.2	131.8	1.8	84.2
1680.0	1679.28	-17.43	19.82	26.4	131.3	1.7	92.6
1690.0	1689.28	-17.39	20.14	26.6	130.8	1.9	84.2
1700.0	1699.27	-17.40	20.50	26.9	130.3	2.0	95.8
1710.0	1709.27	-17.45	20.73	27.1	130.1	2.4	243.1
1720.0	1719.26	-17.39	20.56	26.9	130.2	2.2	220.2
1730.0	1729.25	-17.44	20.84	27.2	129.9	2.1	82.4
1740.0	1739.25	-17.41	21.21	27.4	129.4	2.2	88.3
1750.0	1749.24	-17.38	21.56	27.7	128.9	2.0	89.0
1760.0	1759.24	-17.39	21.89	28.0	128.5	1.7	99.2
1770.0	1769.23	-17.38	22.18	28.2	128.1	1.8	88.5
1780.0	1779.23	-17.43	22.50	28.5	127.8	1.8	91.6
1790.0	1789.22	-17.42	22.78	28.7	127.4	1.9	120.6
1800.0	1799.22	-17.40	23.08	28.9	127.0	1.7	91.8
1810.0	1809.21	-17.41	23.40	29.2	126.6	1.7	88.5
1820.0	1819.21	-17.39	23.71	29.4	126.2	1.8	86.5
1830.0	1829.20	-17.36	24.04	29.7	125.8	1.8	91.3
1840.0	1839.20	-17.33	24.39	29.9	125.4	2.0	86.2
1850.0	1849.19	-17.34	24.74	30.2	125.0	1.8	92.8
1860.0	1859.18	-17.30	25.04	30.4	124.6	1.8	91.7
1870.0	1869.18	-17.28	25.37	30.7	124.2	1.8	82.2
1880.0	1879.17	-17.24	25.71	30.9	123.8	1.8	80.7
1890.0	1889.17	-17.19	26.02	31.2	123.4	1.9	86.1
1900.0	1899.16	-17.14	26.34	31.4	123.1	1.9	81.8
1910.0	1909.16	-17.10	26.67	31.7	122.7	1.7	86.7
1920.0	1919.15	-17.07	26.97	31.9	122.3	1.8	79.9
1930.0	1929.15	-17.01	27.26	32.1	122.0	1.6	74.8
1940.0	1939.14	-17.00	27.43	32.3	121.8	1.1	53.0
1950.0	1949.14	-16.99	27.60	32.4	121.6	1.8	81.1
1960.0	1959.13	-16.93	27.90	32.6	121.2	1.9	80.2
1970.0	1969.13	-16.86	28.21	32.9	120.9	1.7	77.2
1980.0	1979.12	-16.80	28.51	33.1	120.5	1.8	78.6
1990.0	1989.12	-16.74	28.81	33.3	120.2	1.8	82.1
2000.0	1999.11	-16.68	29.12	33.6	119.8	1.8	77.5
2010.0	2009.11	-16.62	29.42	33.8	119.5	1.8	81.9
2020.0	2019.11	-16.56	29.73	34.0	119.1	1.8	81.7
2030.0	2029.10	-16.50	30.04	34.3	118.8	1.9	77.6
2040.0	2039.09	-16.43	30.36	34.5	118.4	1.8	76.2
2050.0	2049.09	-16.39	30.66	34.8	118.1	1.8	81.4
2060.0	2059.09	-16.34	30.97	35.0	117.8	1.8	83.3
2070.0	2069.08	-16.29	31.28	35.3	117.5	1.8	86.3
2080.0	2079.08	-16.24	31.58	35.5	117.2	1.8	79.4
2090.0	2089.07	-16.21	31.90	35.8	116.9	1.5	76.1
2100.0	2099.06	-16.15	32.23	36.0	116.6	2.2	89.4
2110.0	2109.06	-16.11	32.58	36.3	116.3	2.2	87.2
2120.0	2119.05	-16.07	32.94	36.7	116.0	2.1	79.4
2130.0	2129.05	-16.01	33.29	36.9	115.7	2.2	85.9
2140.0	2139.04	-15.98	33.65	37.3	115.4	2.0	81.6
2150.0	2149.03	-15.94	34.02	37.6	115.1	2.1	83.9
2160.0	2159.02	-15.91	34.40	37.9	114.8	2.2	85.9
2170.0	2169.02	-15.88	34.78	38.2	114.5	2.2	88.4
2180.0	2179.01	-15.85	35.14	38.5	114.3	2.2	86.2
2190.0	2189.00	-15.83	35.51	38.9	114.0	2.0	80.7
2200.0	2199.00	-15.81	35.87	39.2	113.8	2.2	90.0
2210.0	2208.99	-15.78	36.25	39.5	113.5	2.3	90.8
2220.0	2218.98	-15.76	36.65	39.9	113.3	2.3	86.3
2230.0	2228.97	-15.75	37.05	40.3	113.0	2.2	87.1
2240.0	2238.97	-15.73	37.43	40.6	112.8	2.3	93.1
2250.0	2248.96	-15.73	37.82	41.0	112.6	2.2	88.7
2260.0	2258.95	-15.71	38.20	41.3	112.4	2.2	96.2
2270.0	2268.94	-15.71	38.57	41.6	112.2	2.3	81.4
2280.0	2278.94	-15.70	38.96	42.0	111.9	2.3	92.9
2290.0	2288.93	-15.70	39.35	42.4	111.7	2.2	93.0
2300.0	2298.92	-15.71	39.73	42.7	111.6	2.1	90.9
2310.0	2308.92	-15.72	40.11	43.1	111.4	2.1	101.4

2180.0	2179.00	-15.83	35.51	38.9	113.8	2.2	90.0
2190.0	2189.00	-15.81	35.87	39.2	113.5	2.3	90.8
2200.0	2199.00	-15.78	36.25	39.5	113.3	2.3	86.3
2210.0	2208.99	-15.76	36.65	39.9	113.0	2.2	87.1
2220.0	2218.98	-15.75	37.05	40.3	112.8	2.3	93.1
2230.0	2228.97	-15.73	37.43	40.6	112.6	2.2	88.7
2240.0	2238.97	-15.73	37.82	41.0	112.4	2.2	96.2
2250.0	2248.96	-15.71	38.20	41.3	112.2	2.3	81.4
2260.0	2258.95	-15.71	38.57	41.6	111.9	2.3	92.9
2270.0	2268.94	-15.70	38.96	42.0	111.7	2.2	93.0
2280.0	2278.94	-15.70	39.35	42.4	111.6	2.1	90.9
2290.0	2288.93	-15.71	39.73	42.7	111.4	2.1	101.4
2300.0	2298.92	-15.72	40.11	43.1	111.3	1.9	85.9
2310.0	2308.92	-15.76	40.46	43.4	111.3	1.1	53.1
2320.0	2318.91	-15.76	40.50	43.5			
2321.0	2319.91						

COMPANY CNX
 HOLE P-27A
 RIG #: 243
 LOCATION: KEEN MTN.
 DATE STARTED: 5/1/2008
 DATE COMPLETED: 5/7/2008
 ELECTRIC LOGGED: YES
 GROUTED: YES

DEPTH FROM	THICKNESS TO	FT	STRATA DESCRIPTION, VOIDS ETC.
	0	12	12 OVERBURDEN
	12	32	20 SAND/SHALE
	32	62	30 SANDY SHALE/SHALE
	62	92	30 SANDY SHALE/COAL/SHALE
	92	122	30 SHALE/SANDY SHALE
	122	150	28 SANDY SHALE/SHALE/COAL
	150	152	2
	152	182	30 SANDY SHALE/COAL/SANDY SHALE
	182	212	30 SANDY SHALE/COAL/SANDY SHALE
	212	246	34 SHALE/SANDY SHALE
	246	272	26 SANDY SHALE/SHALE
	272	302	30 SANDSTONE/SANDY SHALE
	302	332	30 SANDY SHALE/SANDSTONE/SHALE
	332	362	30 SANDY SHALE/COAL/SANDY SHALE
	362	392	30 SANDY SHALE/SANDSTONE
	392	422	30 SANDSTONE
	422	452	30 SANDY SHALE/SHALE
	452	482	30 SHALE/SANDY SHALE/COAL
	482	512	30 SANDSTONE
	512	542	30 SANDSTONE/SANDY SHALE
	542	572	30 SANDY SHALE
	572	602	30 SANDY SHALE/COAL/SANDY SHALE
	602	632	30 SANDY SHALE/COAL/SANDY SHALE
	632	645	13 SANDY SHALE
	645	665	20 CEMENT/SANDY SHALE/SANDSTONE
	665	695	30 SANDY SHALE/SHALE
	695	725	30 SHALE/COAL/SANDY SHALE
	725	755	30 SANDSTONE/COAL
	755	785	30 SANDSTONE/SANDY SHALE
	785	815	30 SANDSTONE/SANDY SHALE/SHALE
	815	845	30 SANDSTONE/SANDY SHALE
	845	875	30 SANDSTONE
	875	905	30 SANDSTONE
	905	935	30 SANDSTONE
	935	965	30 SANDSTONE
	965	995	30 SANDSTONE/SANDY SHALE/COAL

995	1025	30 SANDSTONE/SHALE/COAL
1025	1055	30 SANDSTONE/SHALE/COAL
1055	1085	30 SAND/SHALE
1085	1115	30 SAND/SHALE
1115	1145	30 SAND/SHALE
1145	1175	30 SAND/SHALE
1175	1205	30 SAND/SHALE
1205	1235	30 SAND/SHALE
1235	1265	30 SAND/SHALE
1265	1295	30 SAND/SHALE
1295	1325	30 SANDSTONE
1325	1355	30 SANDSTONE/SANDY SHALE
1355	1385	30 SANDY SHALE/COAL/SANDSTONE
1385	1415	30 SANDY SHALE/COAL/SANDY SHALE
1415	1445	30 SANDY SHALE/SHALE
1445	1475	30 SHALE/COAL/SANDY SHALE
1475	1505	30 SANDY SHALE/COAL/SANDSTONE
1505	1535	30 SANDY SHALE/COAL/SANDY SHALE
1535	1565	30 SANDSTONE
1565	1595	30 SANDSTONE/COAL/SANDY SHALE
1595	1625	30 SANDSTONE/SANDY SHALE
1625	1655	30 SANDY SHALE/COAL/SANDY SHALE
1655	1685	30 SANDY SHALE/SHALE
1685	1715	30 SANDY SHALE/SHALE
1715	1745	30 SANDY SHALE/SANDSTONE
1745	1775	30 SANDY SHALE
1775	1805	30 SANDY SHALE/COAL
1805	1835	30 SANDY SHALE/SHALE
1835	1865	30 SANDY SHALE/COAL/SHALE
1865	1895	30 SANDY SHALE
1895	1925	30 SANDSTONE/SANDY SHALE
1925	1955	30 SANDY SHALE
1955	1985	30 SANDY SHALE
1985	2015	30 SANDSTONE/SANDY SHALE
2015	2045	30 SANDY SHALE/LITTLE COAL
2045	2075	30 SANDSTONE/SANDY SHALE/COAL
2075	2105	30 COAL/SANDY SHALE
2105	2135	30 SAND
2135	2165	30 SAND
2165	2195	30 SAND/SHALE
2195	2225	30 SAND
2225	2255	30 SAND
2255	2285	30 SAND
2285	2315	30 SAND
2315	2325	10 SAND

2325' TOTAL DEPTH
12' OF 13 3/8" CASING
221' OF 9 5/8" CASING
620.5' OF 7" CASING
2157.05' OF 4 1/2" CASING