



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

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<b>Tracking Number:</b>	<u>1536</u>
<b>Company:</b>	<u>CNX Gas Company LLC</u>
<b>File Number:</b>	<u>BU-3842</u>
<b>Operations Name:</b>	<u>CBM P28 W/PL</u>
<b>Operation Type:</b>	<u>Coalbed/Pipeline</u>
<b>Drilling Report Type:</b>	<u>Original</u>

## DRILLING REPORT (DGO-GO-14)

### 1. Drilling Data

Date drilling commenced:	<u>5/5/2008</u>	Drilling Contractor:	<u>Noah Horn</u>
Date drilling completed:	<u>5/8/2008</u>	Rig Type:	<input checked="" type="checkbox"/> Rotary <input type="checkbox"/> Cable
Driller's Total Depth (feet):	<u>1860.00</u>		
Log Total Depth (feet):	<u>1875.42</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>996455.90</u>	Final Plat State Plane X:	<u>996448.98</u>
Permitted State Plane Y:	<u>338175.24</u>	Final Plat State Plane Y:	<u>338172.29</u>

Plat Previously Submitted Or...

List of Attached Items:

Description	FileName
plat	P28 PLAT.pdf

### 3. Geological Data

*Fresh Water At:*

Depth (in feet)	Rate	Unit of Measure
213	5	GPM

*Salt Water At:*

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

List of Attached Items:

Description	FileName
exhibit a	P28 EXHIBIT A.pdf

*Gas and Oil Shows:*

List of Attached Items:

Description	FileName
gas show	P28 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	P28 DEVIATION.pdf

## 6. Casing and Tubing Program

List of Attached Items:

Description	FileName
casing	P28 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.

## 8. Drillers Log

Compiled By: Noah Horn

List of Attached Items:

Description	FileName
drill data	P28 DRILL DATA.pdf

## 9. Comments

## 10. Signature

Permittee: CNX Gas Company LLC

Date: 10/25/2008

Signed By: Leslie Arrington

Title: Director Environmental Permitting

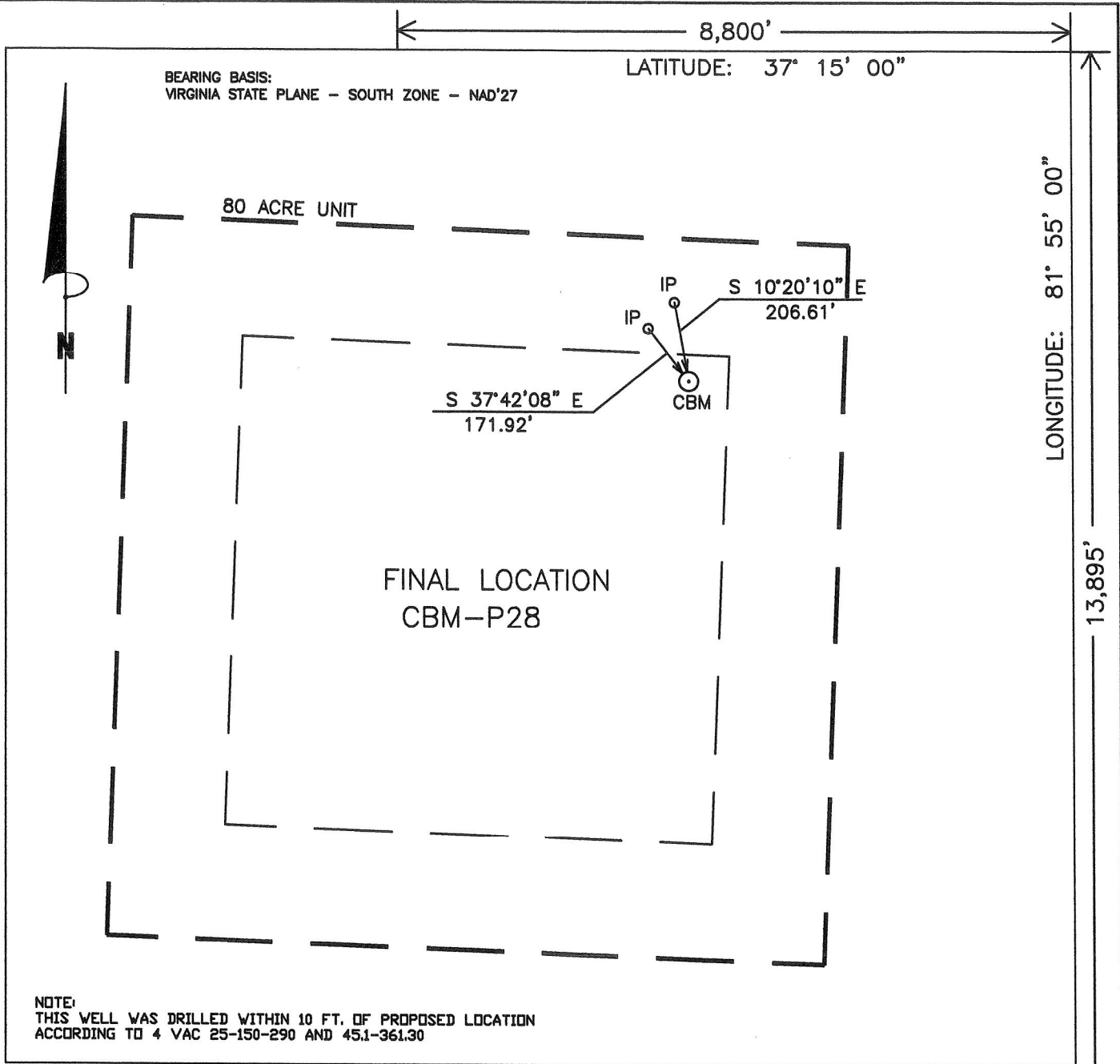
**INTERNAL USE ONLY**

Submit Date: 10/25/2008

Status: A

Date: 11/4/2008

Final PDF Date: 11/4/2008



## WELL LOCATION PLAT

P28FNL  
2N30/184-667/30

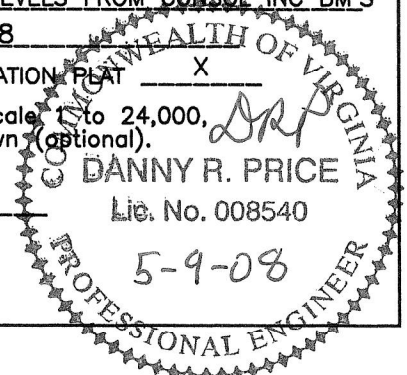
COMPANY CNX GAS COMPANY, LLC. WELL NAME OR NUMBER CBM-P28  
 TRACT NUMBER CONSOL COAL ET AL QUADRANGLE KEEN MOUNTAIN  
 DISTRICT: GARDEN

WELL COORDINATES (VIRGINIA STATE PLANE): STATE PLANE: N 338,172.29 E 996,448.98  
 ELEVATION: 2175.90' METHOD USED TO DETERMINE ELEVATION: BY TRIG. LEVELS FROM CONSOL INC BM'S  
 COUNTY BUCHANAN Scale: 1" = 400' Date 05-09-08

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)



P28.CMP  
Exhibit A

Well Name: 08 CBM P28  
SURFACE ELEV: 2175.90 EASTING: 996448.98 NORTHING: 338172.29

SEAM	DEPTH FROM (FT)	DEPTH TO (FT)	ELEVATION (TOSE)	THK. (FT)	REMARKS
LB1	36.90	39.00	2139.00	2.10	
	39.00	67.20	2136.90	28.20	
LB2	67.20	68.80	2108.70	1.60	
	68.80	99.60	2107.10	30.80	
COAL	99.60	100.10	2076.30	0.50	
	100.10	181.90	2075.80	81.80	
KN1	181.90	184.00	1994.00	2.10	
	184.00	218.20	1991.90	34.20	
KN2	218.20	220.00	1957.70	1.80	
	220.00	339.00	1955.90	119.00	
AL1	339.00	340.00	1836.90	1.00	
	340.00	427.30	1835.90	87.30	
RA1	427.30	429.80	1748.60	2.50	
	429.80	462.90	1746.10	33.10	
RA2	462.90	465.80	1713.00	2.90	
	465.80	475.00	1710.10	9.20	
COAL	475.00	475.80	1700.90	0.80	
	475.80	476.90	1700.10	1.10	
RA3	476.90	478.80	1699.00	1.90	
	478.80	509.50	1697.10	30.70	
COAL	509.50	510.00	1666.40	0.50	
	510.00	556.00	1665.90	46.00	
JB1	556.00	557.20	1619.90	1.20	
	557.20	595.90	1618.70	38.70	
JB3	595.90	597.90	1580.00	2.00	
	597.90	664.90	1578.00	67.00	
TI	664.90	665.10	1511.00	0.20	
	665.10	807.40	1510.80	142.30	
US1	807.40	807.50	1368.50	0.10	
	807.50	1083.80	1368.40	276.30	
*SE2	1083.80	1084.90	1092.10	1.10	
	1084.90	1118.80	1091.00	33.90	
*LS1	1118.80	1120.00	1057.10	1.20	
	1120.00	1176.90	1055.90	56.90	
*UH1	1176.90	1177.80	999.00	0.90	
	1177.80	1233.40	998.10	55.60	
*COAL	1233.40	1233.60	942.50	0.20	
	1233.60	1238.10	942.30	4.50	
*UH2	1238.10	1240.20	937.80	2.10	
	1240.20	1245.50	935.70	5.30	
*UH3	1245.50	1246.60	930.40	1.10	
	1246.60	1284.00	929.30	37.40	
*MH1	1284.00	1285.40	891.90	1.40	
	1285.40	1362.00	890.50	76.60	
*P11	1362.00	1364.10	813.90	2.10	
	1364.10	1392.20	811.80	28.10	
*P10	1392.20	1393.40	783.70	1.20	
	1393.40	1448.80	782.50	55.40	
*LH1	1448.80	1449.10	727.10	0.30	
	1449.10	1511.60	726.80	62.50	
*COAL	1511.60	1512.00	664.30	0.40	
	1512.00	1523.60	663.90	11.60	
*P91	1523.60	1524.00	652.30	0.40	
	1524.00	1525.20	651.90	1.20	
*P92	1525.20	1525.90	650.70	0.70	
	1525.90	1526.00	650.00	0.10	
*P92	1526.00	1526.40	649.90	0.40	

			P28.CMP	
	1526.40	1645.00	649.50	118.60
*P82	1645.00	1646.10	530.90	1.10
	1646.10	1696.20	529.80	50.10
*P71	1696.20	1696.90	479.70	0.70
	1696.90	1723.90	479.00	27.00
*COAL	1723.90	1724.50	452.00	0.60
	1724.50	1727.80	451.40	3.30
*COAL	1727.80	1727.90	448.10	0.10
	1727.90	1728.10	448.00	0.20
*P72	1728.10	1729.30	447.80	1.20
	1729.30	1796.20	446.60	66.90
*P51	1796.20	1797.00	379.70	0.80
	1797.00	1797.20	378.90	0.20
*P51	1797.20	1798.90	378.70	1.70
	1798.90	1808.80	377.00	9.90
*COAL	1808.80	1809.20	367.10	0.40
	1809.20	1875.42	366.70	66.22

COAL SEAMS TO BE STIMULATED WERE ADJUSTED DUE TO THE GAS WELL'S PROXIMITY TO AUS KEEN BRANCH AND WATER WELL VP2-114.  
 GAMMA-CALIPER LOG FROM 0 TO 546.00  
 GAMMA-DENSITY LOG FROM 546.00 TO TD.  
 NOTE: FOOTAGE NOT ADJUSTED FOR DEVIATION  
 FILE: H:\JIMHAZ~1\PROJECTS\GAS\P28.CMP  
 DATE: 05/22/08

Well: P28

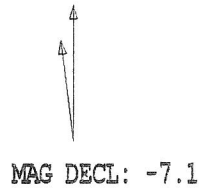
**Oil & Gas Show**

Formation	Top	Bottom	Thickness	IPF (MCFD/BOPD)	Pressure	Hours Tested
Lee/Norton	1083.8	1646.1	562.3			
Pocahontas	1728.1	1798.9	70.8			
Total IPF				10500		

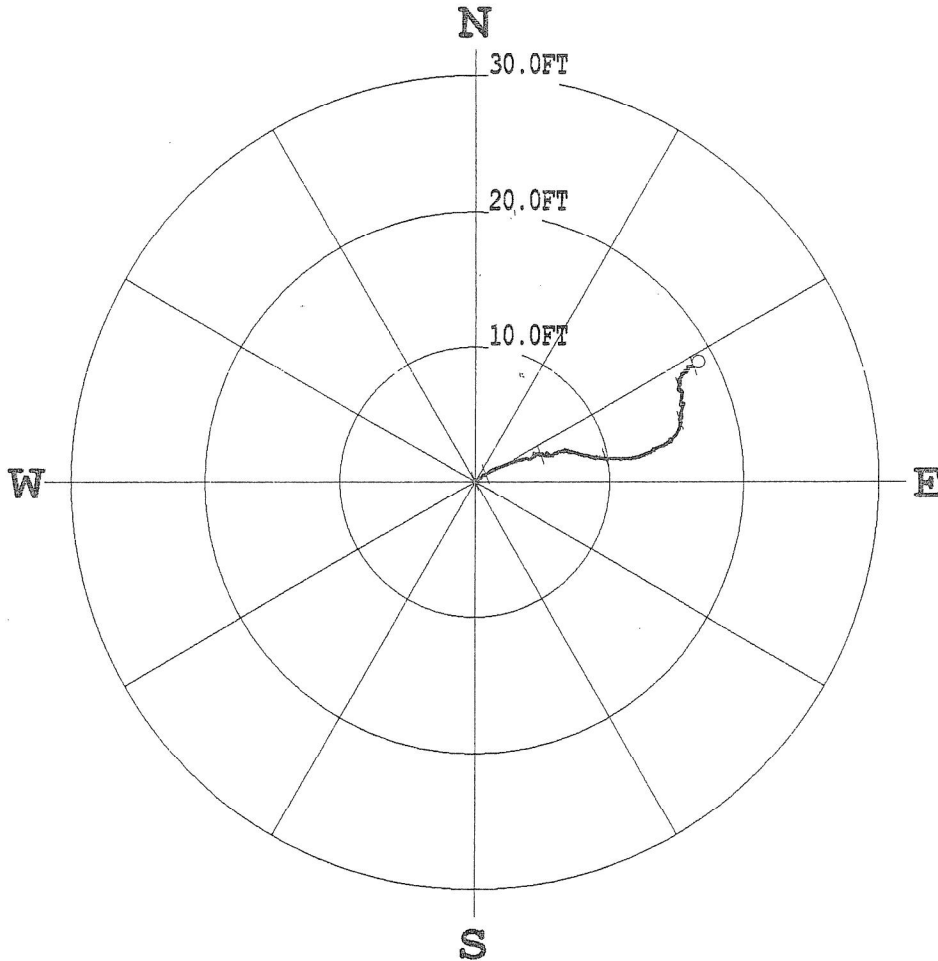


# PLAN VIEW COMPU-LOG DEVIATION

CLIENT: CONSOL ENERGY  
 LOCATION:  
 HOLE ID: 08-CNX-P-28  
 DATE OF LOG: 05/07/08  
 PROBE: 9136CH 1279



SCALE: 10 FT/IN  
 TRUE DEPTH: 1874.11 FT  
 AZIMUTH: 61.9  
 DISTANCE: 18.8 FT  
 + = 300 FT INCR  
 ○ = BOTTOM OF HOLE



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

CLIENT : CONSOL ENERGY	HOLE ID. : 08-CNX-P-28
FIELD OFFICE : O'DRISCOLL	DATE OF LOG : 05/07/08
DATA FROM :	PROBE : 9136CH , 1279
MAG. DECL. : -7.100	DEPTH UNITS : FEET
LOG: 08-CNX-P-28_05-07-08_23-03_9136CH_10_0.00_1874.40_DEVI.log	

TABLE 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	0.01	0.00	0.0	22.4	0.1	39.4
20.00	20.00	0.02	0.01	0.0	17.7	0.2	243.8
30.00	30.00	-0.00	0.00	0.0	116.0	0.1	173.2
40.00	40.00	-0.01	-0.01	0.0	238.2	0.1	278.4
50.00	50.00	0.01	-0.02	0.0	287.4	0.1	327.0
60.00	60.00	0.03	-0.03	0.0	319.2	0.2	342.4
70.00	70.00	0.05	-0.05	0.1	318.8	0.2	294.6
80.00	80.00	0.05	-0.07	0.1	306.1	0.0	333.5
90.00	90.00	0.03	-0.08	0.1	292.6	0.1	173.1
100.00	100.00	0.02	-0.07	0.1	283.6	0.2	118.9
110.00	110.00	0.02	-0.03	0.0	307.5	0.2	58.1
120.00	120.00	0.05	-0.00	0.1	358.8	0.3	33.2
130.00	130.00	0.09	0.01	0.1	7.4	0.2	21.6
140.00	140.00	0.12	0.01	0.1	6.5	0.2	6.3

CLIENT : CONSOL ENERGY HOLE ID. : 08-CNX-P-28  
 FIELD OFFICE : O'DRISCOLL DATE OF LOG : 05/07/08  
 DATA FROM : PROBE : 9136CH , 1279  
 MAG. DECL. : -7.100 DEPTH UNITS : FEET  
 LOG: 06-CNX-P-28\_05-07-08\_23-03\_9136CH\_10\_0.00\_1874.40\_DEVI.log

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	0.01	0.00	0.0	22.4	0.1	39.4
20.00	20.00	0.02	0.01	0.0	17.7	0.2	243.8
30.00	30.00	-0.00	0.00	0.0	116.0	0.1	173.2
40.00	40.00	-0.01	-0.01	0.0	236.2	0.1	278.4
50.00	50.00	0.01	-0.02	0.0	287.4	0.1	327.0
60.00	60.00	0.03	-0.03	0.0	319.2	0.2	342.4
70.00	70.00	0.05	-0.05	0.1	318.8	0.2	294.6
80.00	80.00	0.05	-0.07	0.1	306.1	0.0	333.5
90.00	90.00	0.03	-0.08	0.1	292.8	0.1	173.1
100.00	100.00	0.02	-0.07	0.1	283.6	0.2	118.9
110.00	110.00	0.02	-0.03	0.0	307.5	0.2	58.1
120.00	120.00	0.05	-0.00	0.1	358.8	0.3	33.2
130.00	130.00	0.09	0.01	0.1	7.4	0.2	21.6
140.00	140.00	0.12	0.01	0.1	6.5	0.2	6.3
150.00	150.00	0.13	0.02	0.1	9.1	0.2	86.4
160.00	160.00	0.13	0.04	0.1	17.2	0.2	92.2
170.00	170.00	0.14	0.09	0.2	34.3	0.3	82.8
180.00	180.00	0.16	0.17	0.2	45.8	0.4	68.8
190.00	190.00	0.21	0.24	0.3	48.7	0.5	55.2
200.00	200.00	0.25	0.31	0.4	51.2	0.6	74.8
210.00	210.00	0.28	0.39	0.5	54.5	0.3	44.9
220.00	220.00	0.33	0.46	0.6	54.4	0.6	55.1
230.00	230.00	0.37	0.51	0.6	53.5	0.5	44.6
240.00	240.00	0.43	0.54	0.7	51.5	0.3	39.8
250.00	250.00	0.47	0.57	0.7	50.3	0.3	62.7
260.00	260.00	0.49	0.60	0.8	51.0	0.2	62.0
270.00	270.00	0.50	0.63	0.8	51.7	0.2	68.8
280.00	280.00	0.52	0.65	0.8	51.5	0.2	52.1
290.00	290.00	0.54	0.70	0.9	52.6	0.4	68.3
300.00	300.00	0.56	0.77	1.0	54.1	0.4	78.6
310.00	310.00	0.59	0.86	1.0	55.7	0.7	62.9
320.00	319.99	0.66	0.98	1.2	55.9	0.9	57.0
330.00	329.99	0.73	1.05	1.3	55.1	0.6	44.9
340.00	339.99	0.79	1.12	1.4	54.7	0.6	70.2
350.00	349.99	0.83	1.18	1.4	54.9	0.3	52.0
360.00	359.99	0.87	1.26	1.5	55.5	0.6	64.3
370.00	369.99	0.90	1.35	1.6	56.4	0.7	80.4
380.00	379.99	0.93	1.45	1.7	57.4	0.6	69.3
390.00	389.99	0.97	1.55	1.8	57.9	0.5	65.1
400.00	399.99	1.00	1.63	1.9	58.5	0.6	59.7
410.00	409.99	1.05	1.74	2.0	58.9	0.6	68.9
420.00	419.99	1.09	1.84	2.1	59.5	0.4	76.8
430.00	429.99	1.13	1.96	2.3	60.1	0.7	71.8
440.00	439.99	1.18	2.11	2.4	60.7	1.2	62.0
450.00	449.99	1.24	2.26	2.6	61.2	1.0	72.0
460.00	459.98	1.31	2.41	2.7	61.5	0.8	69.9
470.00	469.98	1.36	2.54	2.9	61.9	0.8	69.2
480.00	479.98	1.40	2.67	3.0	62.4	1.1	54.7
490.00	489.98	1.44	2.81	3.2	62.9	1.2	70.9
500.00	499.98	1.50	2.99	3.3	63.4	1.1	69.2
510.00	509.98	1.55	3.17	3.5	63.9	1.0	75.2
520.00	519.98	1.60	3.35	3.7	64.4	1.2	76.6
530.00	529.97	1.65	3.55	3.9	65.0	1.2	76.7
540.00	539.97	1.70	3.76	4.1	65.7	1.2	78.9
550.00	549.97	1.67	4.00	4.3	67.4	1.8	93.4
560.00	559.96	1.84	4.28	4.7	66.7	2.0	66.8
570.00	569.96	2.00	4.47	4.9	65.9	1.8	278.0
580.00	579.95	2.07	4.41	4.9	64.8	1.2	88.6
590.00	589.95	2.05	4.62	5.1	66.1	1.1	99.5
600.00	599.95	2.01	4.84	5.2	67.5	1.5	79.3
610.00	609.95	1.99	5.05	5.4	68.5	1.1	129.7
620.00	619.94	1.93	5.22	5.6	69.7	1.1	108.0
630.00	629.94	1.99	5.34	5.7	69.5	1.2	304.9
640.00	639.94	2.06	5.39	5.8	69.1	1.7	146.1
650.00	649.93	1.92	5.66	6.0	71.3	1.9	92.5
660.00	659.93	2.12	5.93	6.3	70.3	1.9	67.1
670.00	669.92	2.22	6.17	6.6	70.2	1.5	49.0
680.00	679.92	2.23	6.39	6.8	70.8	1.3	75.0
690.00	689.92	2.22	6.58	6.9	71.3	1.1	72.0
700.00	699.91	2.34	6.67	7.1	70.7	0.9	146.3
710.00	709.91	2.31	6.82	7.2	71.3	1.1	50.6
720.00	719.91	2.21	6.92	7.3	72.3	1.0	188.3
730.00	729.91	2.20	7.03	7.4	72.6	1.2	107.2
740.00	739.91	2.23	7.11	7.4	72.6	1.1	12.7
750.00	749.91	2.18	7.28	7.6	73.3	1.0	115.0
760.00	759.90	2.12	7.48	7.8	74.2	1.4	117.9
770.00	769.90	2.07	7.64	7.9	74.9	0.9	101.1
780.00	779.90	2.01	7.81	8.1	75.6	1.1	105.4
790.00	789.90	1.96	7.99	8.2	76.2	1.0	103.0
800.00	799.90	1.93	8.18	8.4	76.7	1.1	98.5
810.00	809.90	1.91	8.37	8.6	77.1	1.1	94.5
820.00	819.89	1.85	8.52	8.7	77.8	0.9	120.9
830.00	829.89	1.81	8.69	8.9	78.2	1.3	104.3
840.00	839.89	1.78	8.90	9.1	78.7	1.1	91.8
850.00	849.89	1.76	8.91	9.1	78.8	1.3	190.4

770.00	769.90	2.07	7.64	7.9	74.9	0.9	101.1
780.00	779.90	2.01	7.81	8.1	75.6	1.1	105.4
790.00	789.90	1.96	7.99	8.2	76.2	1.0	103.0
800.00	799.90	1.93	8.16	8.4	76.7	1.1	98.5
810.00	809.90	1.91	8.37	8.6	77.1	1.1	94.5
820.00	819.89	1.85	8.52	8.7	77.8	0.9	120.9
830.00	829.89	1.81	8.69	8.9	78.2	1.3	104.3
840.00	839.89	1.78	8.90	9.1	78.7	1.1	91.6
850.00	849.89	1.76	8.91	9.1	78.8	1.3	190.4
860.00	859.89	1.79	8.89	9.1	78.6	0.9	103.0
870.00	869.89	1.79	9.06	9.2	78.8	1.1	101.5
880.00	879.88	1.80	9.23	9.4	79.0	0.8	102.0
890.00	889.88	1.74	9.38	9.5	79.5	1.1	112.3
900.00	899.88	1.73	9.64	9.8	79.8	1.7	96.8
910.00	909.87	1.72	9.94	10.1	80.2	1.6	96.4
920.00	919.87	1.70	10.21	10.3	80.6	1.6	87.4
930.00	929.87	1.70	10.47	10.6	80.8	1.5	94.1
940.00	939.86	1.69	10.73	10.9	81.0	1.5	98.6
950.00	949.86	1.71	10.98	11.1	81.2	1.4	73.4
960.00	959.86	1.70	11.23	11.4	81.4	1.3	98.7
970.00	969.85	1.73	11.47	11.6	81.4	1.5	78.4
980.00	979.85	1.77	11.72	11.8	81.4	1.5	79.1
990.00	989.85	1.80	11.97	12.1	81.4	1.5	75.8
1000.00	999.84	1.87	12.22	12.4	81.3	1.5	71.1
1010.00	1009.84	1.97	12.48	12.6	81.0	1.6	60.8
1020.00	1019.84	2.07	12.74	12.9	80.8	1.6	70.5
1030.00	1029.83	2.18	13.01	13.2	80.5	1.7	74.9
1040.00	1039.83	2.34	13.22	13.4	80.0	1.7	42.3
1050.00	1049.82	2.32	13.30	13.5	80.1	0.8	230.1
1060.00	1059.82	2.44	13.34	13.6	79.6	1.7	62.7
1070.00	1069.82	2.54	13.60	13.8	79.4	1.5	66.5
1080.00	1079.81	2.63	13.82	14.1	79.2	1.4	95.9
1090.00	1089.81	2.71	13.99	14.2	79.0	1.0	63.1
1100.00	1099.81	2.82	14.19	14.5	78.8	1.5	58.2
1110.00	1109.81	2.91	14.37	14.7	78.5	1.3	102.5
1120.00	1119.81	3.01	14.51	14.8	78.3	1.1	27.0
1130.00	1129.80	3.10	14.38	14.7	77.8	1.4	11.5
1140.00	1139.80	3.16	14.59	14.9	77.8	1.5	42.1
1150.00	1149.80	3.36	14.75	15.1	77.2	1.6	43.5
1160.00	1159.79	3.54	14.91	15.3	76.6	1.4	30.5
1170.00	1169.79	3.76	15.02	15.5	75.9	1.6	21.0
1180.00	1179.79	4.01	15.15	15.7	75.2	1.8	15.9
1190.00	1189.78	4.32	15.18	15.8	74.1	1.5	32.4
1200.00	1199.78	4.53	15.19	15.8	73.4	1.6	315.1
1210.00	1209.77	4.70	15.26	16.0	72.9	1.6	62.9
1220.00	1219.77	4.77	15.24	16.0	72.6	1.7	155.1
1230.00	1229.77	4.71	15.19	15.9	72.8	1.3	6.2
1240.00	1239.76	4.85	15.23	16.0	72.4	1.1	163.6
1250.00	1249.76	4.86	15.21	16.0	72.3	0.8	21.1
1260.00	1259.76	4.89	15.30	16.1	72.3	0.7	341.4
1270.00	1269.76	4.95	15.25	16.0	72.0	0.5	35.8
1280.00	1279.76	5.02	15.26	16.1	71.8	0.9	245.7
1290.00	1289.76	5.06	15.22	16.0	71.6	0.9	30.2
1300.00	1299.76	5.14	15.25	16.1	71.4	0.5	348.2
1310.00	1309.76	5.25	15.28	16.2	71.1	0.6	12.5
1320.00	1319.76	5.35	15.32	16.2	70.7	0.7	19.9
1330.00	1329.76	5.47	15.36	16.3	70.4	0.7	18.4
1340.00	1339.76	5.59	15.40	16.4	70.1	0.5	17.7
1350.00	1349.76	5.70	15.45	16.5	69.7	0.7	49.7
1360.00	1359.75	5.81	15.49	16.5	69.4	1.0	305.3
1370.00	1369.75	5.74	15.36	16.4	69.5	1.2	308.0
1380.00	1379.75	5.72	15.25	16.3	69.4	0.7	159.7
1390.00	1389.75	5.70	15.20	16.2	69.4	0.8	286.8
1400.00	1399.75	5.84	15.22	16.3	69.0	1.0	10.5
1410.00	1409.75	6.00	15.24	16.4	68.5	0.8	5.5
1420.00	1419.75	6.11	15.29	16.5	68.2	0.6	11.2
1430.00	1429.75	6.23	15.31	16.5	67.9	0.6	20.8
1440.00	1439.74	6.31	15.29	16.5	67.6	0.6	284.3
1450.00	1449.74	6.45	15.33	16.6	67.2	1.4	12.6
1460.00	1459.74	6.69	15.35	16.7	66.5	1.4	321.0
1470.00	1469.74	6.77	15.19	16.6	66.0	1.2	252.3
1480.00	1479.74	6.80	15.03	16.5	65.7	0.9	303.2
1490.00	1489.74	6.91	15.05	16.6	65.3	0.6	23.4
1500.00	1499.74	7.02	15.08	16.6	65.0	0.6	10.4
1510.00	1509.73	7.11	15.12	16.7	64.8	0.7	22.6
1520.00	1519.73	7.21	15.19	16.8	64.6	0.6	50.7
1530.00	1529.73	7.29	15.21	16.9	64.4	0.7	28.5
1540.00	1539.73	7.40	15.24	16.9	64.1	0.6	277.3
1550.00	1549.73	7.50	15.15	16.9	63.7	1.4	344.3
1560.00	1559.73	7.46	15.05	16.8	63.6	1.0	231.2
1570.00	1569.73	7.52	15.06	16.8	63.5	0.6	46.8
1580.00	1579.73	7.59	15.12	16.9	63.3	0.6	39.6
1590.00	1589.73	7.66	15.17	17.0	63.2	0.4	31.6
1600.00	1599.73	7.72	15.24	17.1	63.1	0.7	46.6
1610.00	1609.73	7.79	15.31	17.2	63.0	0.5	41.7
1620.00	1619.73	7.86	15.28	17.2	62.8	0.5	325.0
1630.00	1629.72	7.95	15.35	17.3	62.6	0.9	73.9
1640.00	1639.72	8.03	15.49	17.5	62.6	0.9	58.8
1650.00	1649.72	8.19	15.54	17.6	62.2	1.3	270.9
1660.00	1659.72	8.09	15.48	17.5	62.4	0.4	42.0
1670.00	1669.72	8.12	15.52	17.5	62.4	0.7	254.5
1680.00	1679.72	8.13	15.50	17.5	62.3	0.7	110.7
1690.00	1689.72	8.12	15.65	17.6	62.6	1.1	62.5
1700.00	1699.72	8.22	15.79	17.8	62.5	1.1	27.9
1710.00	1709.71	8.38	15.83	17.9	62.1	0.8	354.8

1540.00	1539.73	7.40	15.24	16.9	64.1	0.6	277.3
1550.00	1549.73	7.50	15.15	16.9	63.7	1.4	344.3
1560.00	1559.73	7.46	15.05	16.8	63.6	1.0	231.2
1570.00	1569.73	7.52	15.06	16.8	63.5	0.6	46.8
1580.00	1579.73	7.59	15.12	16.9	63.3	0.6	39.6
1590.00	1589.73	7.66	15.17	17.0	63.2	0.4	31.6
1600.00	1599.73	7.72	15.24	17.1	63.1	0.7	46.6
1610.00	1609.73	7.79	15.31	17.2	63.0	0.5	41.7
1620.00	1619.73	7.86	15.28	17.2	62.8	0.5	325.0
1630.00	1629.72	7.95	15.35	17.3	62.6	0.9	73.9
1640.00	1639.72	8.03	15.49	17.5	62.6	0.9	58.8
1650.00	1649.72	8.19	15.54	17.6	62.2	1.3	270.9
1660.00	1659.72	8.09	15.48	17.5	62.4	0.4	42.0
1670.00	1669.72	8.12	15.52	17.5	62.4	0.7	254.5
1680.00	1679.72	8.13	15.50	17.5	62.3	0.7	110.7
1690.00	1689.72	8.12	15.65	17.6	62.6	1.1	62.5
1700.00	1699.72	8.22	15.79	17.8	62.5	1.1	27.9
1710.00	1709.71	8.38	15.83	17.9	62.1	0.8	354.8
1720.00	1719.71	8.46	15.78	17.9	61.8	0.2	3.0
1730.00	1729.71	8.48	15.80	17.9	61.8	0.5	84.6
1740.00	1739.71	8.49	15.86	18.0	61.8	0.4	105.1
1750.00	1749.71	8.48	15.90	18.0	61.9	0.3	75.2
1760.00	1759.71	8.50	15.97	18.1	62.0	0.5	72.7
1770.00	1769.71	8.51	16.04	18.2	62.1	0.4	80.5
1780.00	1779.71	8.53	16.10	18.2	62.1	0.5	61.4
1790.00	1789.71	8.55	16.18	18.3	62.2	0.5	96.8
1800.00	1799.71	8.56	16.20	18.3	62.1	0.6	54.6
1810.00	1809.71	8.52	16.26	18.4	62.3	1.0	228.5
1820.00	1819.71	8.57	16.31	18.4	62.3	0.7	39.2
1830.00	1829.71	8.61	16.38	18.5	62.3	0.4	72.9
1840.00	1839.71	8.65	16.46	18.6	62.3	0.6	53.2
1850.00	1849.71	8.72	16.54	18.7	62.2	0.7	52.9
1860.00	1859.71	8.79	16.64	18.8	62.2	0.7	50.1
1870.00	1869.71	8.85	16.66	18.9	62.0	0.7	265.9
1874.40	1874.11	8.85	16.60	18.8	61.9	1.2	320.3



COMPANY            CNX  
 HOLE                P-28  
 RIG #:                            19  
 LOCATION:            KEEN MTN.  
 DATE STARTED:            5/5/2008  
 DATE COMPLETED:        5/8/2008  
 ELECTRIC LOGGED: YES  
 GROUTED:            YES

DEPTH FROM	THICKNESS TO	FT	STRATA DESCRIPTION, VOIDS ETC.
0	17.45	17.45	BROWN SAND
17.45	30	12.55	SAND
30	61	31	SAND/SHALE/COAL
61	92	31	SAND/SHALE/COAL
92	123	31	SAND/SHALE
123	153	30	SAND/SHALE
153	183	30	SAND/SHALE
183	213	30	SAND/SHALE/COAL
213	243	30	SAND/SHALE/COAL
243	273	30	SAND/SHALE
273	303	30	SAND/SHALE
303	333	30	SAND/SHALE/COAL
333	363	30	SAND/SHALE/COAL
363	393	30	SAND/SHALE
393	423	30	SAND/SHALE
423	453	30	SAND/SHALE/COAL
453	483	30	SAND/SHALE/COAL
483	513	30	SAND/SHALE
513	575	62	SAND/SHALE/COAL
575	605	30	SAND/SHALE/COAL
605	635	30	SAND/SHALE
635	665	30	SAND/SHALE/COAL
665	695	30	SAND/SHALE/COAL
695	725	30	SAND/SHALE
725	755	30	SAND/SHALE
755	785	30	SAND/SHALE/COAL
785	815	30	SAND/SHALE/COALD
815	845	30	SAND/SHALE
845	975	130	SAND/SHALE
975	905	-70	SAND/SHALE
905	935	30	SAND/SHALE
935	965	30	SAND/SHALE
965	995	30	SAND/SHALE
995	1025	30	SAND/SHALE

1025	1055	30 SAND/SHALE/COAL
1055	1085	30 SAND/SHALE/COAL
1085	1115	30 SAND/SHALE/COAL
1115	1145	30 SAND/SHALE
1145	1175	30 SAND/SHALE/COAL
1175	1205	30 SAND/SHALE
1205	1235	30 SAND/SHALE/COAL
1235	1265	30 SAND/SHALE/COAL
1265	1295	30 SAND/SHALE
1295	1325	30 SAND/SHALE
1325	1355	30 SAND/SHALE/COAL
1355	1385	30 COAL/SAND/SHALE
1385	1415	30 SAND/SHALE/COAL
1415	1445	30 SAND/SHALE
1445	1475	30 SAND/SHALE
1475	1505	30 SAND
1505	1535	30 SAND/SHALE/COAL
1535	1565	30 SHALE/SAND
1565	1595	30 SAND/SHALE
1595	1625	30 SHALE/SAND
1625	1655	30 SAND/COAL/SHALE
1655	1685	30 SAND/SHALE
1685	1715	30 SAND/COAL/SHALE
1715	1745	30 COAL/SAND/SHALE
1745	1775	30 SHALE/SAND
1775	1805	30 SAND/COAL/SHALE
1805	1835	30 SAND/SHALE
1835	1860	25 SAND/SHALE

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1860' TOTAL DEPTH  
17.45' OF 13 3/8" CASING  
532.2' OF 7" CASING  
1830.89' OF 4 1/2" CASING