



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>1392</u>
Company:	<u>CNX Gas Company LLC</u>
File Number:	<u>BU-3879</u>
Operations Name:	<u>CBM O28</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>5/14/2008</u>	Drilling Contractor:	<u>Noah Horn</u>
Date drilling completed:	<u>5/20/2008</u>	Rig Type:	<input checked="" type="checkbox"/> Rotary <input type="checkbox"/> Cable
Driller's Total Depth (feet):	<u>1775.00</u>		
Log Total Depth (feet):	<u>1782.54</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>996791.67</u>	Final Plat State Plane X:	<u>996786.67</u>
Permitted State Plane Y:	<u>339017.19</u>	Final Plat State Plane Y:	<u>339014.97</u>

Plat Previously Submitted Or...

List of Attached Items:

Description	FileName
Plat	O28 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	O28 EXHIBIT A.pdf

Gas and Oil Shows:

List of Attached Items:

Description	FileName
Gas Show	O28 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	O28 DEVIATION.pdf

6. Casing and Tubing Program

List of Attached Items:

Description	FileName
Casing	O28 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	O28 DRILL DATA.pdf

9. Comments

10. Signature

Permittee: CNX Gas Company LLC

Date: 7/21/2008

Signed By: Les Arrington

Title: Director Environmental Permitting

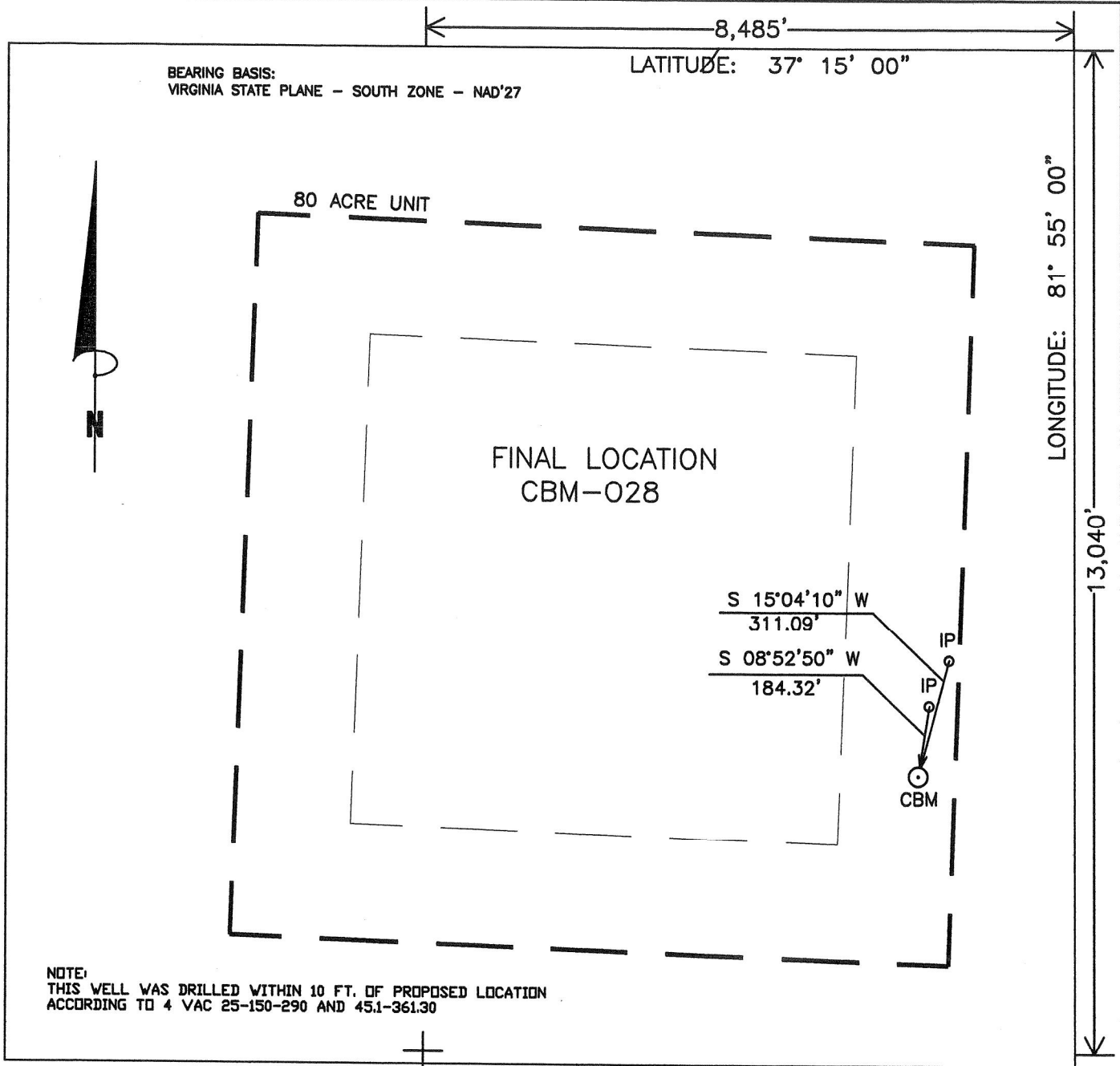
INTERNAL USE ONLY

Submit Date: 7/21/2008

Status: A

Date: 8/4/2008

Final PDF Date: 8/7/2008



WELL LOCATION PLAT

O28FNL
2N30/198-667/38

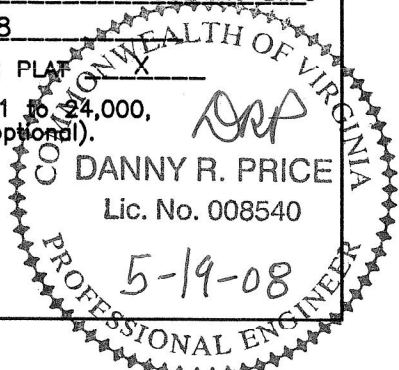
COMPANY CNX GAS COMPANY, LLC. WELL NAME OR NUMBER CBM-028
 TRACT NUMBER CONSOL COAL ET AL QUADRANGLE KEEN MOUNTAIN
 DISTRICT: GARDEN

WELL COORDINATES (VIRGINIA STATE PLANE): STATE PLANE: N 339,014.97 E 996,786.67
 ELEVATION: 2166.00' METHOD USED TO DETERMINE ELEVATION: BY TRIG. LEVELS FROM CONSOL INC BM'S
 COUNTY BUCHANAN Scale: 1" = 400' Date 5-19-08

THIS PLAT IS A NEW PLAT _____; AN UPDATED PLAT _____; OR A FINAL LOCATION PLAT _____

+ Denotes the location of a well on United States Topographic Maps, scale 1" = 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)



O28.CMP
Exhibit A

Well Name: 08 CBM O28
SURFACE ELEV: 2166.00 EASTING: 996786.67 NORTHING: 339104.97

SEAM	DEPTH FROM (FT)	DEPTH TO (FT)	ELEVATION (TOSE)	THK. (FT)	REMARKS
LB1	35.80	38.20	2130.20	2.40	
	38.20	104.00	2127.80	65.80	
COAL	104.00	105.80	2062.00	1.80	
	105.80	161.80	2060.20	56.00	
COAL	161.80	162.00	2004.20	0.20	
	162.00	180.30	2004.00	18.30	
KN1	180.30	182.20	1985.70	1.90	
	182.20	213.10	1983.80	30.90	
KN2	213.10	214.10	1952.90	1.00	
	214.10	330.10	1951.90	116.00	
AL1	330.10	331.00	1835.90	0.90	
	331.00	342.10	1835.00	11.10	
COAL	342.10	343.00	1823.90	0.90	
	343.00	417.20	1823.00	74.20	
RA1	417.20	419.10	1748.80	1.90	
	419.10	475.10	1746.90	56.00	
RA3	475.10	477.70	1690.90	2.60	
	477.70	553.70	1688.30	76.00	
JB1	553.70	554.80	1612.30	1.10	
	554.80	590.90	1611.20	36.10	
JB3	590.90	592.90	1575.10	2.00	
	592.90	654.90	1573.10	62.00	
TI	654.90	655.20	1511.10	0.30	
	655.20	675.10	1510.80	19.90	
COAL	675.10	675.40	1490.90	0.30	
	675.40	799.10	1490.60	123.70	
US1	799.10	799.20	1366.90	0.10	
	799.20	853.80	1366.80	54.60	
COAL	853.80	853.90	1312.20	0.10	
	853.90	1036.10	1312.10	182.20	
*SE1	1036.10	1036.40	1129.90	0.30	
	1036.40	1068.00	1129.60	31.60	
*SE2	1068.00	1069.80	1098.00	1.80	
	1069.80	1102.10	1096.20	32.30	
*LS1	1102.10	1103.90	1063.90	1.80	
	1103.90	1161.20	1062.10	57.30	
*UH1	1161.20	1162.90	1004.80	1.70	
	1162.90	1210.10	1003.10	47.20	
*COAL	1210.10	1210.90	955.90	0.80	
	1210.90	1219.00	955.10	8.10	
*UH2	1219.00	1220.20	947.00	1.20	
	1220.20	1222.90	945.80	2.70	
*UH3	1222.90	1223.90	943.10	1.00	
	1223.90	1325.10	942.10	101.20	
*MH2	1325.10	1325.60	840.90	0.50	
	1325.60	1350.00	840.40	24.40	
*P11	1350.00	1352.10	816.00	2.10	
	1352.10	1378.40	813.90	26.30	
*P10	1378.40	1379.10	787.60	0.70	
	1379.10	1434.00	786.90	54.90	
*LH1	1434.00	1434.50	732.00	0.50	
	1434.50	1506.30	731.50	71.80	
*COAL	1506.30	1507.00	659.70	0.70	
	1507.00	1517.30	659.00	10.30	
*P91	1517.30	1517.90	648.70	0.60	
	1517.90	1519.10	648.10	1.20	
*COAL	1519.10	1519.90	646.90	0.80	

			028.CMP	
	1519.90	1523.00	646.10	3.10
*COAL	1523.00	1523.40	643.00	0.40
	1523.40	1525.00	642.60	1.60
*COAL	1525.00	1525.50	641.00	0.50
	1525.50	1621.90	640.50	96.40
*P82	1621.90	1622.10	544.10	0.20
	1622.10	1678.50	543.90	56.40
*P71	1678.50	1678.60	487.50	0.10
	1678.60	1715.00	487.40	36.40
*COAL	1715.00	1715.80	451.00	0.80
	1715.80	1718.30	450.20	2.50
*P72	1718.30	1719.20	447.70	0.90
	1719.20	1719.40	446.80	0.20
*P73	1719.40	1721.80	446.60	2.40
	1721.80	1782.54	444.20	60.74

COAL SEAMS TO BE STIMULATED WERE ADJUSTED DUE TO THE GAS WELL'S PROXIMITY TO AUS KEEN BRANCH AND WATER WELL VP2-108.
 GAMMA-CALIPER LOG FROM 0 TO 498.00
 GAMMA-DENSITY LOG FROM 498.00 TO TD.
 NOTE: FOOTAGE NOT ADJUSTED FOR DEVIATION
 FILE: H:\JIMHAZ~1\PROJECTS\GAS\028.CMP
 DATE: 05/27/08

Well: 028

Oil & Gas Show

Formation	Top	Bottom	Thickness	IPF (MCFD/BOPD)	Pressure	Hours Tested
Lee/Norton	1068	1352.1	284.1			
Pocahontas	1719.4	1721.8	2.4			
Total IPF				NOT TAKEN		

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	147.4	0.1	138.8
20.00	20.00	-0.01	-0.00	0.0	195.2	0.1	277.6
30.00	30.00	0.00	0.01	0.0	57.4	0.1	117.7
40.00	40.00	0.02	0.02	0.0	52.5	0.2	12.2
50.00	50.00	0.04	0.03	0.1	36.2	0.1	21.3
60.00	60.00	0.06	0.04	0.1	31.5	0.1	22.7
70.00	70.00	0.09	0.04	0.1	25.0	0.2	352.5
80.00	80.00	0.12	0.05	0.1	21.2	0.2	36.5
90.00	90.00	0.15	0.07	0.2	26.1	0.3	45.2
100.00	100.00	0.17	0.10	0.2	29.8	0.2	96.3
110.00	110.00	0.18	0.11	0.2	29.8	0.3	125.2
120.00	120.00	0.17	0.10	0.2	31.7	0.2	193.3
130.00	130.00	0.14	0.10	0.2	34.7	0.2	189.9
140.00	140.00	0.10	0.11	0.1	48.1	0.4	153.0
150.00	150.00	0.04	0.15	0.2	76.4	0.5	131.9
160.00	160.00	-0.02	0.23	0.2	95.0	1.1	129.9
170.00	170.00	-0.05	0.31	0.3	98.4	0.3	98.1
180.00	180.00	-0.10	0.39	0.4	103.7	0.5	124.3
190.00	190.00	-0.14	0.47	0.5	106.7	0.7	128.4
200.00	200.00	-0.19	0.56	0.6	108.3	0.7	120.2
210.00	210.00	-0.22	0.64	0.7	108.6	0.3	118.8
220.00	220.00	-0.27	0.73	0.8	110.6	0.6	117.5
230.00	229.99	-0.34	0.83	0.9	112.2	0.8	126.7
240.00	239.99	-0.41	0.93	1.0	113.8	0.7	118.6
250.00	249.99	-0.47	1.02	1.1	114.8	0.6	129.0
260.00	259.99	-0.53	1.11	1.2	115.6	0.6	117.5
270.00	269.99	-0.60	1.20	1.3	116.6	0.7	128.3
280.00	279.99	-0.65	1.29	1.4	116.9	0.5	122.8
290.00	289.99	-0.69	1.37	1.5	116.6	0.6	107.6
300.00	299.99	-0.73	1.46	1.6	116.6	0.5	109.0
310.00	309.99	-0.78	1.55	1.7	116.7	0.8	119.1
320.00	319.99	-0.88	1.65	1.9	118.1	0.8	127.0
330.00	329.99	-0.95	1.75	2.0	118.6	0.5	123.9
340.00	339.99	-0.98	1.81	2.1	118.6	0.2	102.9
350.00	349.99	-1.01	1.87	2.1	118.3	0.5	121.6
360.00	359.99	-1.09	1.94	2.2	119.3	0.9	154.7
370.00	369.99	-1.21	1.99	2.3	121.3	0.8	145.2
380.00	379.99	-1.31	2.07	2.5	122.4	0.8	144.7
390.00	389.98	-1.42	2.14	2.6	123.5	0.7	147.2
400.00	399.98	-1.56	2.19	2.7	125.4	0.7	171.7
410.00	409.98	-1.71	2.22	2.8	127.6	0.7	175.2
420.00	419.98	-1.85	2.25	2.9	129.4	0.8	177.7
430.00	429.98	-2.00	2.28	3.0	131.3	0.8	169.3
440.00	439.98	-2.15	2.29	3.1	133.1	0.9	171.2
450.00	449.98	-2.29	2.31	3.3	134.8	0.8	181.3
460.00	459.98	-2.41	2.30	3.3	136.3	0.6	183.8
470.00	469.98	-2.52	2.28	3.4	137.8	0.5	196.5
480.00	479.98	-2.62	2.25	3.5	139.3	0.7	189.2
490.00	489.97	-2.74	2.22	3.5	141.0	0.7	200.1
500.00	499.97	-2.83	2.18	3.6	142.4	0.3	235.7
510.00	509.97	-2.91	2.08	3.6	144.5	1.0	200.4
520.00	519.97	-3.08	2.05	3.7	146.4	0.9	197.8
530.00	529.97	-3.22	1.99	3.8	148.3	0.8	198.5
540.00	539.97	-3.36	1.95	3.9	149.8	0.8	190.8
550.00	549.97	-3.50	1.96	4.0	150.7	0.8	199.8
560.00	559.97	-3.61	1.93	4.1	151.8	0.8	129.2
570.00	569.97	-3.72	1.99	4.2	151.9	0.7	182.9
580.00	579.97	-3.84	2.06	4.4	151.8	1.0	110.7
590.00	589.96	-3.92	2.17	4.5	151.0	0.6	109.4
600.00	599.96	-3.97	2.18	4.5	151.2	0.4	215.9
610.00	609.96	-4.03	2.16	4.6	151.8	0.5	199.7
620.00	619.96	-4.08	2.12	4.6	152.5	0.3	216.6
630.00	629.96	-4.12	2.09	4.6	153.1	0.4	200.9
640.00	639.96	-4.19	2.05	4.7	153.9	0.5	215.0
650.00	649.96	-4.24	2.01	4.7	154.6	0.5	216.8
660.00	659.96	-4.31	2.00	4.7	155.1	0.4	249.6
670.00	669.96	-4.31	1.97	4.7	155.5	0.1	225.2
680.00	679.96	-4.30	1.96	4.7	155.4	0.3	70.6
690.00	689.96	-4.32	1.97	4.7	155.5	0.3	137.6
700.00	699.96	-4.35	1.98	4.8	155.5	0.3	139.2
710.00	709.96	-4.39	2.00	4.8	155.5	0.1	173.3
720.00	719.96	-4.43	2.03	4.9	155.4	0.3	156.1
730.00	729.96	-4.49	2.06	4.9	155.4	0.2	185.8
740.00	739.96	-4.54	2.08	5.0	155.4	0.5	139.4
750.00	749.96	-4.58	2.10	5.0	155.4	0.2	156.2
760.00	759.96	-4.61	2.11	5.1	155.4	0.2	158.4
770.00	769.96	-4.67	2.15	5.1	155.2	0.5	150.7
780.00	779.96	-4.72	2.20	5.2	155.1	0.3	159.3
790.00	789.96	-4.77	2.23	5.3	155.0	0.3	149.0
800.00	799.96	-4.82	2.26	5.3	154.9	0.4	138.6
810.00	809.96	-4.87	2.31	5.4	154.6	0.4	136.7
820.00	819.96	-4.92	2.35	5.5	154.4	0.6	141.7
830.00	829.96	-4.97	2.40	5.5	154.2	0.4	161.6
840.00	839.96	-5.02	2.44	5.6	154.1	0.4	150.0
850.00	849.96	-5.08	2.49	5.7	153.9	0.4	142.1
860.00	859.96	-5.13	2.55	5.7	153.6	0.6	125.7
870.00	869.96	-5.22	2.63	5.8	153.3	0.8	136.5
880.00	879.96	-5.32	2.73	6.0	152.8	0.8	135.5
890.00	889.96	-5.42	2.82	6.1	152.5	0.9	130.7
900.00	899.96	-5.52	2.92	6.2	152.1	0.8	135.1
910.00	909.95	-5.63	3.02	6.4	151.8	0.8	137.7
920.00	919.95	-5.73	3.12	6.5	151.4	0.9	138.0

860.00	859.96	-5.13	2.55	5.7	153.6	0.6	125.7
870.00	869.96	-5.22	2.63	5.8	153.3	0.8	136.5
880.00	879.96	-5.32	2.73	6.0	152.8	0.8	135.5
890.00	889.96	-5.42	2.82	6.1	152.5	0.9	130.7
900.00	899.96	-5.52	2.92	6.2	152.1	0.8	135.1
910.00	909.95	-5.63	3.02	6.4	151.8	0.8	137.7
920.00	919.95	-5.73	3.12	6.5	151.4	0.9	138.0
930.00	929.95	-5.84	3.22	6.7	151.1	0.8	133.8
940.00	939.95	-5.95	3.31	6.8	150.9	0.9	140.3
950.00	949.95	-6.07	3.42	7.0	150.6	0.9	140.4
960.00	959.95	-6.18	3.51	7.1	150.4	0.8	139.1
970.00	969.95	-6.29	3.59	7.2	150.3	0.7	140.7
980.00	979.95	-6.40	3.69	7.4	150.0	0.9	141.8
990.00	989.95	-6.53	3.80	7.6	149.8	0.9	138.0
1000.00	999.94	-6.65	3.92	7.7	149.5	1.0	138.4
1010.00	1009.94	-6.76	4.00	7.9	149.4	0.6	152.1
1020.00	1019.94	-6.88	4.09	8.0	149.2	1.2	131.5
1030.00	1029.94	-7.01	4.24	8.2	148.8	1.1	153.7
1040.00	1039.94	-7.12	4.33	8.3	148.7	1.0	179.7
1050.00	1049.94	-7.21	4.44	8.5	148.4	1.1	99.2
1060.00	1059.94	-7.12	4.54	8.4	147.4	1.2	108.9
1070.00	1069.93	-7.22	4.76	8.6	146.6	1.4	120.8
1080.00	1079.93	-7.37	4.91	8.9	146.4	1.2	135.7
1090.00	1089.93	-7.50	5.06	9.1	146.0	1.5	116.9
1100.00	1099.93	-7.63	5.24	9.3	145.5	1.1	137.4
1110.00	1109.92	-7.76	5.36	9.4	145.4	1.1	131.5
1120.00	1119.92	-7.91	5.50	9.6	145.2	1.2	132.4
1130.00	1129.92	-8.02	5.65	9.8	144.8	0.9	136.7
1140.00	1139.92	-8.12	5.77	10.0	144.6	0.8	139.6
1150.00	1149.92	-8.23	5.84	10.1	144.6	0.7	142.3
1160.00	1159.92	-8.34	5.96	10.2	144.4	1.2	132.9
1170.00	1169.92	-8.47	6.10	10.4	144.3	1.1	135.9
1180.00	1179.91	-8.61	6.23	10.6	144.1	1.1	147.1
1190.00	1189.91	-8.73	6.37	10.8	143.9	0.8	133.3
1200.00	1199.91	-8.84	6.48	11.0	143.8	1.0	139.1
1210.00	1209.91	-8.95	6.62	11.1	143.5	0.9	124.4
1220.00	1219.91	-9.04	6.69	11.3	143.5	0.5	142.8
1230.00	1229.91	-9.12	6.77	11.4	143.4	0.8	132.1
1240.00	1239.91	-9.19	6.87	11.5	143.2	0.6	126.5
1250.00	1249.91	-9.23	6.97	11.6	143.0	0.7	102.4
1260.00	1259.91	-9.28	7.03	11.6	142.8	0.5	220.6
1270.00	1269.91	-9.26	7.00	11.6	142.9	0.1	29.0
1280.00	1279.91	-9.32	7.01	11.7	143.1	0.5	141.1
1290.00	1289.90	-9.37	7.07	11.7	143.0	0.4	124.5
1300.00	1299.90	-9.40	7.12	11.8	142.9	0.3	115.3
1310.00	1309.90	-9.43	7.18	11.8	142.7	0.4	107.2
1320.00	1319.90	-9.44	7.23	11.9	142.5	0.3	99.0
1330.00	1329.90	-9.45	7.29	11.9	142.4	0.3	106.7
1340.00	1339.90	-9.47	7.35	12.0	142.2	0.3	105.5
1350.00	1349.90	-9.47	7.42	12.0	141.9	0.4	93.3
1360.00	1359.90	-9.50	7.46	12.1	141.8	0.4	112.8
1370.00	1369.90	-9.51	7.55	12.1	141.5	0.4	75.1
1380.00	1379.90	-9.52	7.61	12.2	141.4	0.2	118.1
1390.00	1389.90	-9.53	7.67	12.2	141.2	0.5	92.5
1400.00	1399.90	-9.54	7.73	12.3	141.0	0.3	124.8
1410.00	1409.90	-9.57	7.77	12.3	140.9	0.3	117.9
1420.00	1419.90	-9.60	7.83	12.4	140.8	0.4	112.7
1430.00	1429.90	-9.62	7.91	12.5	140.6	0.4	88.6
1440.00	1439.90	-9.64	7.97	12.5	140.4	0.3	132.6
1450.00	1449.90	-9.69	7.99	12.6	140.5	0.4	146.6
1460.00	1459.90	-9.72	8.05	12.6	140.4	0.6	110.4
1470.00	1469.90	-9.75	8.11	12.7	140.2	0.3	141.0
1480.00	1479.90	-9.72	8.16	12.7	140.0	0.2	106.1
1490.00	1489.90	-9.73	8.17	12.7	140.0	0.1	299.7
1500.00	1499.90	-9.75	8.15	12.7	140.1	0.1	232.0
1510.00	1509.90	-9.77	8.13	12.7	140.3	0.6	238.1
1520.00	1519.90	-9.82	8.10	12.7	140.5	0.3	199.7
1530.00	1529.90	-9.88	8.08	12.8	140.7	0.4	190.0
1540.00	1539.90	-9.95	8.06	12.8	141.0	0.5	201.1
1550.00	1549.90	-10.03	8.04	12.9	141.3	0.5	184.7
1560.00	1559.90	-10.14	8.04	12.9	141.6	0.7	177.1
1570.00	1569.90	-10.26	8.04	13.0	141.9	0.9	170.9
1580.00	1579.90	-10.42	8.06	13.2	142.3	1.1	170.5
1590.00	1589.90	-10.58	8.10	13.3	142.6	1.0	168.8
1600.00	1599.89	-10.77	8.16	13.5	142.8	1.1	157.3
1610.00	1609.89	-10.94	8.21	13.7	143.1	1.2	162.5
1620.00	1619.89	-11.17	8.30	13.9	143.4	1.3	150.7
1630.00	1629.89	-11.38	8.39	14.1	143.6	1.6	164.0
1640.00	1639.88	-11.65	8.52	14.4	143.8	1.8	144.7
1650.00	1649.88	-11.93	8.67	14.7	144.0	1.8	151.8
1660.00	1659.87	-12.21	8.82	15.1	144.1	1.9	148.1
1670.00	1669.87	-12.49	9.00	15.4	144.2	1.9	147.8
1680.00	1679.86	-12.78	9.19	15.7	144.3	2.1	149.4
1690.00	1689.85	-13.06	9.37	16.1	144.3	2.0	142.9
1700.00	1699.85	-13.39	9.54	16.4	144.5	2.4	133.2
1710.00	1709.84	-13.72	9.76	16.8	144.6	2.1	143.2
1720.00	1719.83	-14.05	9.95	17.2	144.7	2.0	131.9
1730.00	1729.82	-14.29	10.17	17.5	144.6	2.2	5.3
1740.00	1739.82	-14.23	9.96	17.4	145.0	2.4	320.3
1750.00	1749.81	-14.28	9.84	17.3	145.4	2.2	226.5
1760.00	1759.81	-14.36	9.88	17.4	145.5	1.8	174.5
1770.00	1769.80	-14.44	9.91	17.5	145.6	1.8	292.4
1780.00	1779.80	-14.42	9.96	17.5	145.4	1.9	126.5
1781.80	1781.59	-14.46	9.98	17.6	145.4	1.5	189.4

COMPANY CNX
 HOLE **O-28**
 RIG #: 19
 LOCATION: KEEN MTN.
 DATE STARTED: 5/14/2008
 DATE COMPLETED: 5/20/2008
 ELECTRIC LOGGED: YES
 GROUTED: YES

DEPTH FROM	THICKNESS TO	FT	STRATA DESCRIPTION, VOIDS ETC.
0	17.35	17.35	
17.35	35	17.65	SAND
35	65		30 SAND/COAL/SHALE
65	95		30 SHALE
95	125		30 SAND/SHALE
125	155		30 SAND/SHALE
155	185		30 SAND/COAL/SHALE
185	215		30 SHALE/SAND/COAL
215	245		30 SAND/SHALE
245	275		30 SHALE/SAND/COAL
275	305		30 SAND/SHALE
305	335		30 SAND/COAL/SHALE
335	365		30 SAND/SHALE
365	395		30 SHALE/SAND
395	425		30 COAL/SHALE/SAND/COAL
425	455		30 SAND/COAL/SHALE
455	485		30 SAND/COAL/SHALE
485	507	22	
507	515		8 SAND/SHALE
515	545		30 SAND/SHALE/COAL
545	575		30 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/COAL/SHALE
755	785		30 SAND/COAL/SHALE
785	815		30 SHALE/SAND
815	845		30 SAND/SHALE
845	875		30 SAND/COAL/SHALE
875	905		30 SHALE/SAND
905	935		30 SHALE/SAND
935	965		30 SAND/SHALE

965	995	30 SAND/COAL/SHALE
995	1025	30 SHALE/SAND
1025	1055	30 SAND/COAL/SHALE
1055	1085	30 SAND/COAL/SHALE
1085	1115	30 SAND/SHALE/COAL
1115	1145	30 SAND/SHALE
1145	1175	30 SAND/SHALE
1175	1205	30 SAND/SHALE/COAL
1205	1235	30 SAND/SHALE
1235	1265	30 SAND/SHALE
1265	1295	30 SAND/SHALE
1295	1325	30 SAND/SHALE/COAL
1325	1355	30 SAND/SHALE
1355	1385	30 SAND/COAL/SHALE
1385	1415	30 SHALE/SAND
1415	1445	30 SAND/COAL/SHALE
1445	1475	30 SAND/SHALE
1475	1505	30 SAND/COAL/SHALE
1505	1535	30 SAND/COAL/SHALE
1535	1565	30 SHALE/SAND
1565	1595	30 SHALE/SAND
1595	1625	30 SAND/COAL/SHALE
1625	1655	30 SAND/SHALE
1655	1675	20 SANDSTONE
1675	1685	10 SAND/SHALE
1685	1715	30 SAND/SHALE/COAL
1715	1745	30 SAND/SHALE
1745	1775	30 SAND/SHALE/COAL

1775' TOTAL DEPTH
 17.85' OF 13 3/8" CASING
 487.85' OF 7" CASING
 1753.35' OF 4 1/2" CASING
