



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>1101</u>
Company:	<u>CNX Gas Company LLC</u>
File Number:	<u>BU-3699</u>
Operations Name:	<u>CBM E13 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>11/30/2007</u>	Drilling Contractor:	<u>Noah Horn</u>
Date drilling completed:	<u>12/6/2007</u>	Rig Type:	<input checked="" type="checkbox"/> Rotary <input type="checkbox"/> Cable
Driller's Total Depth (feet):	<u>1960.00</u>		
Log Total Depth (feet):	<u>1971.47</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>968947.72</u>	Final Plat State Plane X:	<u>968945.27</u>
Permitted State Plane Y:	<u>359943.82</u>	Final Plat State Plane Y:	<u>359942.87</u>

Plat Previously Submitted Or...

List of Attached Items:

Description	FileName
Plat	E13 Plat.pdf

3. Geological Data

Fresh Water At:

Depth (in feet)	Rate	Unit of Measure
540	Damp	GPM

Salt Water At:

Depth (in feet)	Rate	Unit of Measure
1860	Damp	GPM

Coal Seams:

List of Attached Items:

Description	FileName
Exhibit A	E13 Exhibit A.pdf

Gas and Oil Shows:

List of Attached Items:

Description	FileName
Show Gas	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	E13 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/occurrence.

Void @ 618' ; 7" Casing cemented on the backside to surface

8. Drillers Log

Compiled By: Noah Horn

List of Attached Items:

Description	FileName
Drill Data	E13 Drill Data.pdf

9. Comments

Final Location Plat needs engineer signature and seal

10. Signature

Permitee: CNX Gas Company LLC Date: 1/28/2008

Signed By: Leslie K. Arrington Title: Manager

INTERNAL USE ONLY

Submit Date: 1/28/2008

Status: A

Date: 2/8/2008

Final PDF Date: 2/15/2008

695'

LATITUDE: 37° 12' 30"

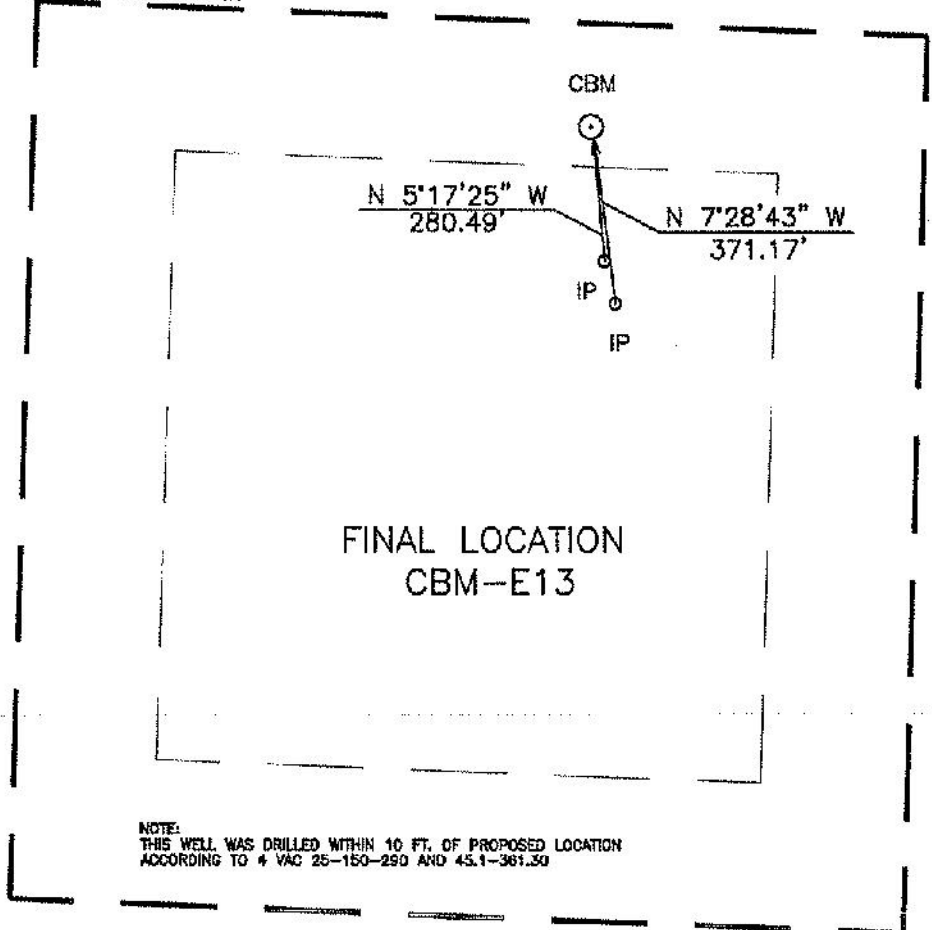
BEARING BASIS:
VIRGINIA STATE PLANE -- SOUTH ZONE -- NAD'27

LONGITUDE: 81° 55' 00"

8,335'



80 ACRE UNIT



FINAL LOCATION
CBM-E13

NOTE:
THIS WELL WAS DRILLED WITHIN 10 FT. OF PROPOSED LOCATION
ACCORDING TO 4 VAC 25-150-290 AND 45.1-361.50

WELL LOCATION PLAT

E13FNL
1N17/153-812/16

COMPANY CNX GAS COMPANY, LLC. WELL NAME OR NUMBER CBM-E13

TRACT NUMBER ERMA R RUNAIS, ET AL QUADRANGLE KEEN MOUNTAIN

DISTRICT: GARDEN

WELL COORDINATES (VIRGINIA STATE PLANE): STATE PLANE: N 359,942.87 E 968,945.27

ELEVATION: 2218.85' METHOD USED TO DETERMINE ELEVATION: BY TRIG. LEVELS FROM CONSOL INC BM'S

COUNTY BUCHANAN Scale: 1" = 400' Date 12-08-07

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

+ 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)

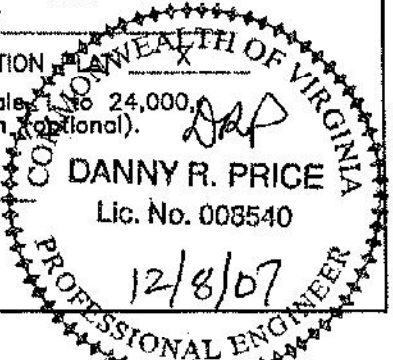


Exhibit A

Well Name: 07 CBM E13
 SURFACE ELEV: 2218.85 EASTING: 968945.27 NORTHING: 359942.87

SEAM	DEPTH FROM (FT)	DEPTH TO (FT)	ELEVATION (FOSE)	THK. (FT)	REMARKS
HG1	92.00	92.90	2126.85	0.90	
	92.90	191.10	2125.95	98.20	
COAL	191.10	192.20	2027.75	1.10	
	192.20	221.10	2026.65	28.90	
SD1	221.10	223.50	1997.75	2.40	
	223.50	243.70	1995.35	20.20	
SD2	243.70	244.90	1975.15	1.20	
	244.90	260.30	1973.95	15.40	
SD3	260.30	261.50	1958.55	1.20	
	261.50	262.10	1957.35	0.60	
SD3	262.10	263.10	1956.75	1.00	
	263.10	375.90	1955.75	112.80	
LB1	375.90	377.10	1842.95	1.20	
	377.10	511.10	1841.75	134.00	
KN1	511.10	511.80	1707.75	0.70	
	511.80	688.10	1707.05	176.30	
AL2	688.10	689.20	1530.75	1.10	
	689.20	753.50	1529.65	64.30	
RA2	753.50	754.80	1465.35	1.30	
	754.80	862.60	1464.05	107.80	
JB1	862.60	863.10	1356.25	0.50	
	863.10	887.60	1355.75	24.50	
JB3	887.60	888.80	1331.25	1.20	
	888.80	959.80	1330.05	71.00	
T1	959.80	960.10	1259.05	0.30	
	960.10	978.90	1258.75	18.80	
TI	978.90	979.20	1239.95	0.30	
	979.20	1084.90	1239.65	105.70	
*US1	1084.90	1085.90	1133.95	1.00	
	1085.90	1188.70	1132.95	102.80	
*GC2	1188.70	1188.90	1030.15	0.20	
	1188.90	1258.10	1029.95	69.20	
*SE2	1258.10	1258.90	960.75	0.80	
	1258.90	1288.50	959.95	29.60	
*LS1	1288.50	1289.20	930.35	0.70	
	1289.20	1365.80	929.65	76.60	
*UH1	1365.80	1365.90	853.05	0.10	
	1365.90	1427.50	852.95	61.60	
*MH1	1427.50	1428.90	791.35	1.40	
	1428.90	1527.10	789.95	98.20	
*P11	1527.10	1529.20	691.75	2.10	
	1529.20	1555.90	689.65	26.70	
*P10	1555.90	1556.90	662.95	1.00	
	1556.90	1601.90	661.95	45.00	
*LH3	1601.90	1603.40	616.95	1.50	
	1603.40	1627.90	615.45	24.50	
*COAL	1627.90	1628.20	590.95	0.30	
	1628.20	1643.10	590.65	16.90	

*P91	1645.10	1645.70	573.75	0.60
	1645.70	1706.50	573.15	60.80
*COAL	1706.50	1707.30	512.35	0.80
	1707.30	1707.90	511.55	0.60
*COAL	1707.90	1708.10	510.95	0.20
	1708.10	1880.00	510.75	171.90
*P52	1880.00	1880.30	338.85	0.30
	1880.30	1971.47	338.55	91.17

COAL SEAMS TO BE STIMULATED WERE ADJUSTED DUE TO THE GAS WELL'S PROXIMITY TO HARPER BRANCH.

GAMMA-CALIPER LOG FROM 0 TO 709.00

GAMMA-DENSITY LOG FROM 709.00 TO TD.

NOTE: FOOTAGE NOT ADJUSTED FOR DEVIATION

FILE: H:\JIMHAZ~1\PROJECTS\GAS\E13.CMP

DATE: 01/11/08

Well: E13

Oil & Gas Show

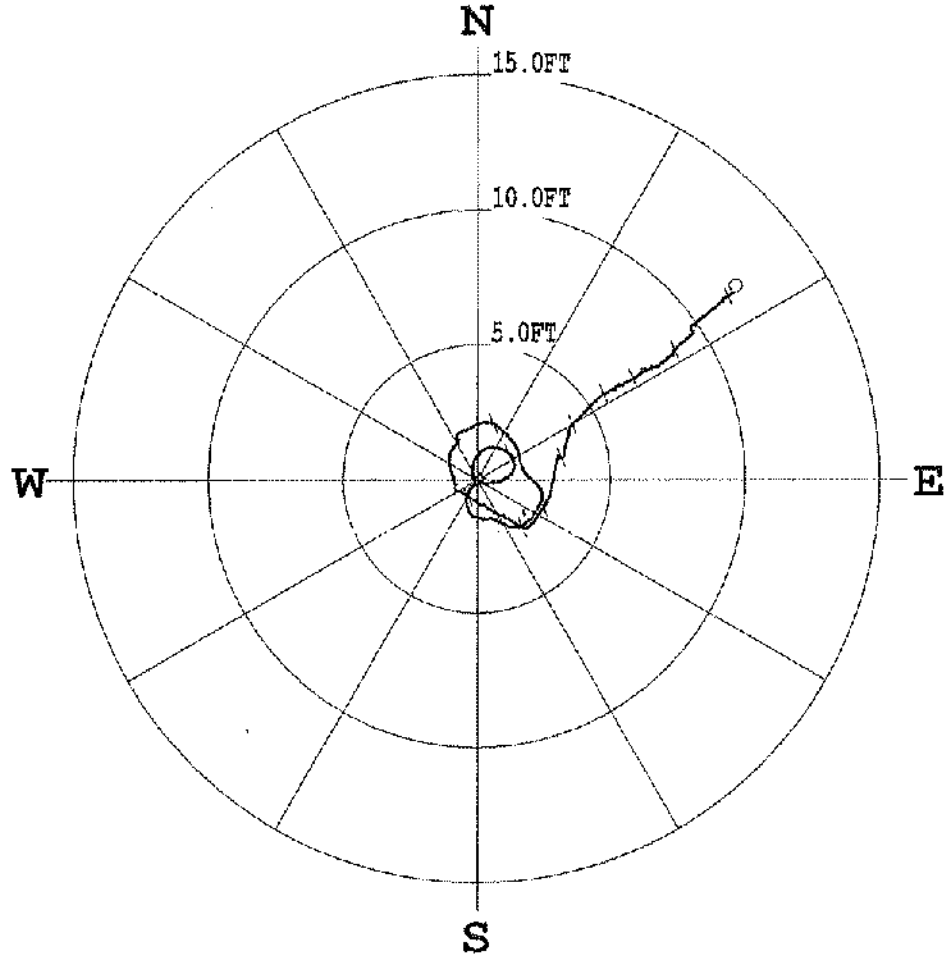
Formation	Top	Bottom	Thickness	IPF (MCFD/BOPD)	Pressure	Hours Tested
Lee/Norton	1085	1603.4				
Pocahontas	0	0				
Total IPF				Not Taken		

PLAN VIEW COMPU-LOG DEVIATION

CLIENT: CNX-GAS
 LOCATION: -
 HOLE ID: 07-CNX-E-13
 DATE OF LOG: 12/06/07
 PROBE: 9136CH 1279

↑
MAG DECL: -7.1

SCALE: 5 FT/IN
 TRUE DEPTH: 1971.
 AZIMUTH: 53.3
 DISTANCE: 12.0 FT
 + = 150 FT INCR
 O = BOTTOM OF HOI



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

CLIENT	: CNX-GAS	HOLE ID.	: 07-CNX-E-13
FIELD OFFICE	: O'DRISCOLL	DATE OF LOG	: 12/06/07
DATA FROM	: -	PROBE	: 9136CH , 1279
MAG. DECL.	: -7.100	DEPTH UNITS	: FEET
LOG: 07-CNX-E-13_12-06-07_09-44_9136CH_10_0.00_1971.50_DEVI.log			

CABLE DEPTH	TRUE DEPTH	NORTH DEV.	EAST DEV.	DISTANCE	AZIMUTH	SANG	SANGE
0.50	0.50	0.00	0.00	0.0	0.0	0.0	0.0
10.00	10.00	-0.06	0.08	0.1	128.9	2.0	116.7
20.00	19.99	0.09	0.22	0.2	68.8	2.0	4.6
30.00	29.99	0.22	0.03	0.2	7.6	2.0	201.4
40.00	39.98	-0.03	-0.02	0.0	210.3	1.9	320.9
50.00	49.97	0.07	-0.11	0.1	302.7	1.3	209.4
60.00	59.97	0.16	-0.19	0.3	313.9	1.5	11.3
70.00	69.97	0.43	-0.18	0.5	337.2	1.4	3.5
80.00	79.96	0.68	-0.13	0.7	349.4	1.4	22.4
90.00	89.96	0.89	-0.01	0.9	359.6	1.4	38.4
100.00	99.96	1.05	0.15	1.1	8.3	1.3	48.6
110.00	109.96	1.16	0.36	1.2	17.2	1.2	70.8
120.00	119.95	1.19	0.57	1.3	25.7	1.4	103.5
130.00	129.95	1.16	0.78	1.4	34.1	1.2	94.3
140.00	139.95	1.09	0.99	1.5	42.0	1.2	122.9
150.00	149.95	0.99	1.16	1.5	49.6	1.2	123.4
160.00	159.94	0.83	1.30	1.5	57.4	1.2	143.4
170.00	169.94	0.64	1.37	1.5	64.9	1.3	172.7
180.00	179.94	0.43	1.36	1.4	72.5	1.1	180.7
190.00	189.94	0.23	1.28	1.3	79.6	1.3	226.8
200.00	199.93	0.08	1.09	1.1	85.6	1.3	230.4
210.00	209.93	-0.04	0.88	0.9	92.5	1.4	235.1
220.00	219.93	-0.10	0.63	0.6	98.9	1.5	261.4
230.00	229.92	-0.12	0.37	0.4	108.0	1.6	273.5
240.00	239.92	-0.12	0.11	0.2	119.1	1.4	262.8

249.92	-0.20	-0.12	0.4	220.7	1.1	217.6
259.92	-0.33	-0.29	0.6	215.2	1.2	221.3
269.91	-0.51	-0.36	0.8	210.3	1.2	179.0
279.91	-0.69	-0.41	1.0	204.4	1.0	159.5
289.91	-0.87	-0.40	1.0	198.7	1.0	183.4
299.91	-1.04	-0.35	1.1	194.2	1.1	153.4
309.91	-1.22	-0.31	1.3	187.9	1.1	124.0
319.90	-1.35	-0.19	1.4	178.9	1.3	104.6
329.90	-1.42	0.03	1.4	169.3	1.6	83.7
339.90	-1.46	0.28	1.5	159.3	1.5	110.9
349.89	-1.45	0.55	1.6	153.4	1.5	118.0
359.89	-1.56	0.78	1.7	149.2	1.5	132.5
369.89	-1.69	1.00	2.0	145.0	1.5	98.1
379.89	-1.77	1.24	2.2	139.8	1.5	97.8
389.88	-1.78	1.50	2.3	134.1	1.5	58.0
399.88	-1.69	1.74	2.4	127.9	1.8	50.1
409.87	-1.51	1.93	2.5	122.0	1.5	31.0
419.87	-1.32	2.11	2.5	116.1	1.5	25.5
429.87	-1.09	2.23	2.5	110.3	1.5	18.9
439.86	-0.86	2.34	2.5	104.5	1.5	12.0
449.86	-0.62	2.41	2.5	98.9	1.5	334.6
459.86	-0.37	2.38	2.4	94.4	1.5	305.6
469.85	-0.17	2.22	2.2	90.0	1.5	303.6
479.85	-0.00	2.04	2.0	85.0	1.4	325.0
489.85	0.16	1.86	1.9	78.3	1.2	338.8
499.85	0.36	1.72	1.8	70.9	1.6	346.5
509.84	0.57	1.63	1.7	63.8	1.2	346.7
519.84	0.77	1.57	1.7	57.5	1.2	338.5
529.94	0.97	1.53	1.8	51.4	1.4	335.9
539.84	1.17	1.47	1.9	45.0	1.2	322.4
549.83	1.35	1.35	1.9	38.6	1.4	306.0
559.83	1.51	1.20	1.9	32.4	1.1	327.7
569.83	1.68	1.07	2.0	26.5	1.3	301.9
579.83	1.82	0.91	2.0	21.5	1.2	326.1
589.82	1.95	0.77	2.1	16.2	1.1	305.1
599.82	2.06	0.60	2.1	10.4	1.3	272.6
609.82	2.11	0.39	2.1	4.0	1.5	258.8
619.82	2.10	0.15	2.1	356.8	1.7	245.6
629.81	2.00	-0.11	2.0	348.9	1.6	242.8
639.81	1.87	-0.37	1.9	340.7	1.6	246.0
649.80	1.75	-0.62	1.9	333.1	2.5	157.0
659.80	1.54	-0.78	1.7	329.6	1.4	249.4
669.79	1.31	-0.77	1.5			

NOAH HORN WELL DRILLING
DRILL DATA

COMPANY: CNX
HOLE: E-13
RIG #: 17
LOCATION: DISMAL, VA

DATE STARTED: 11/30/2007
DATE COMPLETED 12/6/2007

ELECTRIC LOGGED: YES
GROUTED: YES

DEPTH FROM	THICKNESS TO	FT	STRATA DESCRIPTION, VOIDS ETC
0	49	49	OVERBURDEN
49	60	11	SAND/SANDY SHALE
60	90	30	SANDY SHALE
90	120	30	SANDY SHALE/SAND
120	150	30	SAND/COAL/SAND
150	180	30	SAND/SANDY SHALE
180	210	30	SANDY SHALE/COAL/SANDY SHALE
210	240	30	SANDY SHALE
240	270	30	SANDY SHALE/COAL/SANDY SHALE
270	300	30	SANDY SHALE
300	330	30	SANDY SHALE/SAND
330	360	30	SAND
360	390	30	SAND
390	420	30	SAND/COAL/SANDY SHALE
420	450	30	SANDY SHALE/COAL/SANDY SHALE
450	480	30	SAND
480	510	30	SAND/COAL/SANDY SHALE
510	540	30	SANDY SHALE
540	570	30	SANDY SHALE/SAND
570	600	30	SAND
600	618	18	SANDY SHALE
618	618	0	LOST RETURN
618	630	12	SANDY SHALE
630	660	30	SANDY SHALE
660	690	30	SANDY SHALE
690	720	30	SANDY SHALE
720	725	5	SANDY SHALE
725	730	5	SANDY SHALE
730	760	30	SANDY SHALE/COAL/SAND
760	790	30	SAND/COAL/SAND
790	820	30	SAND/COAL/SANDY SHALE
820	850	30	SANDY SHALE
850	880	30	SANDY SHALE
880	910	30	SAND/COAL/SAND
910	940	30	SAND/COAL/SANDY SHALE
940	970	30	SANDY SHALE

DEPTH FROM	THICKNESS TO	FT	STRATA DESCRIPTION,VOIDS ETC
970	1000	30	SANDY SHALE
1000	1030	30	SANDY SHALE/COAL/SANDY SHALE
1030	1060	30	SANDY SHALE
1060	1090	30	SANDY SHALE
1090	1120	30	SANDY SHALE/COAL/SAND
1120	1150	30	SAND/COAL/SANDY SHALE
1150	1180	30	SANDY SHALE/SAND
1180	1210	30	SAND/COAL/SANDY SHALE
1210	1240	30	SANDY SHALE
1240	1270	30	SANDY SHALE/COAL/SAND
1270	1300	30	SAND/COAL/SANDY SHALE
1300	1330	30	SANDY SHALE/COAL/SANDY SHALE
1330	1360	30	SANDY SHALE/COAL/SANDY SHALE
1360	1390	30	SANDY SHALE/COAL/SAND
1390	1420	30	SAND STONE
1420	1450	30	SAND/COAL/SANDY SHALE
1450	1480	30	SANDY SHALE
1480	1510	30	SANDY SHALE/COAL/SAND
1510	1540	30	SAND/SANDY SHALE
1540	1570	30	SANDY SHALE/COAL/SANDY SHALE
1570	1600	30	SANDY SHALE/COAL/SAND
1600	1630	30	SAND/SANDY SHALE
1630	1660	30	SANDY SHALE/COAL/SAND
1660	1690	30	SAND STONE
1690	1720	30	SAND/COAL/SANDY SHALE
1720	1750	30	SANDY SHALE
1750	1780	30	SANDY SHALE
1780	1810	30	SANDY SHALE/SAND
1810	1840	30	SAND/SANDY SHALE
1840	1870	30	SANDY SHALE/COAL
1870	1900	30	SANDY SHALE/SAND
1900	1930	30	SAND
1930	1960	30	SAND

TOTALS

1960'	TOTAL DEPTH
49'	13 3/8" CASING
707.85'	7" CASING
1975'	4 1/2" CASING