



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: 304
 Company: CNX Gas Company LLC
 File Number: BU-3131
 Operations Name: CBM G22 W/PL
 Operation Type: Coalbed/Pipeline
 Drilling Report Type: Original

DRILLING REPORT (DGO-GO-14)

1. Drilling Data

Date drilling commenced: 11/13/2006 Drilling Contractor: Noah Horn
 Date drilling completed: 11/17/2006 Rig Type: Rotary Cable Tool
 Driller's Total Depth (feet): 2,020
 Log Total Depth (feet): 2,018 Coal Seam At Total Depth Pocahontas

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

Permitted State Plane X 985,276 Final Plat State Plane X: 985,279
 Permitted State Plane Y: 355,220 Final Plat State Plane Y: 355,226

Plat Previously Submitted Or...

List of Attached Items:

Description	FileName
Plat	G22 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
1,530	Damp	GPM

Coal Seams

List of Attached Items:

Description	FileName
Exhibit A	G22 Exhibit A.pdf

Gas and Oil Shows

List of Attached Items:

Description	FileName
Gas Show	G22Gas Show.doc

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	G22 Deviation.pdf

6. Casing and Tubing Program

List of Attached Items:

Description	FileName
Casing	G22Casing.doc

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	G22 Drill Data.pdf

9. Comments

10. Signature

Permitee: CNX Gas Company LLC Date: 4/19/2007 (Company)

Signed By: Leslie K Arrington Title: Manager Environmental Permitting (Signature)

INTERNAL USE ONLY

Submit Date: 4/19/2007

Status: Inspr Approved

Date: 5/4/2007

Final PDF Date: 6/4/2007

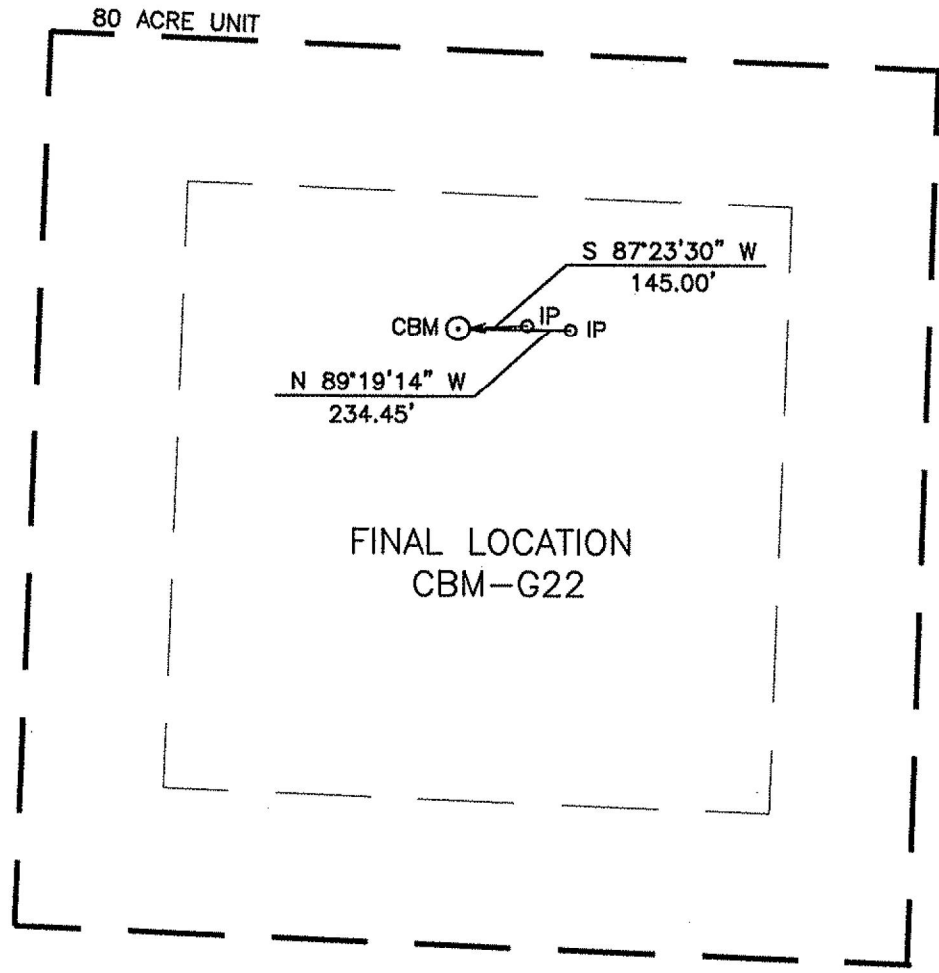
8,460'

LATITUDE: 37° 17' 30"

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



80 ACRE UNIT



LONGITUDE: 81° 57' 30"

12,445'

FINAL LOCATION
CBM-G22

NOTE:
THIS WELL WAS DRILLED WITHIN 10 FT. OF PROPOSED LOCATION
ACCORDING TO 4 VAC 25-150-290 AND 45.1-361.30.

G22FNL
1N14/54-531/52

COMPANY CNX GAS COMPANY, LLC. WELL NAME OR NUMBER CBM-G22
TRACT NUMBER CONSOLIDATION COAL CO ETAL QUADRANGLE PATTERSON
DISTRICT: GARDEN

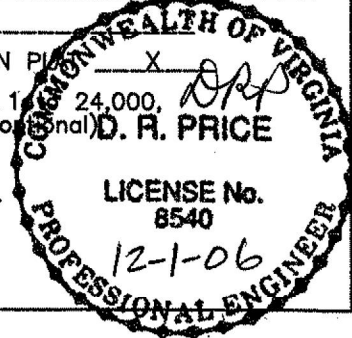
WELL COORDINATES (VIRGINIA STATE PLANE): STATE PLANE: N 355,226.32 E 985,279.38

ELEVATION: 1824.09' METHOD USED TO DETERMINE ELEVATION: BY TRIG. LEVELS FROM CONSOL INC BM'S
COUNTY BUCHANAN Scale: 1" = 400' Date 11-30-06

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" = 24,000, latitude and longitude lines being represented by border lines as shown (optional)

D.R. Price



Licensed Professional Engineer or Licensed Land Surveyor (Affix Seal)

Exhibit A

Well Name: 06-CNX-G-22

SURFACE ELEV: 1824.09 EASTING: 985279.38 NORTHING: 355226.32

SEAM	DEPTH FROM (FT)	DEPTH TO (FT)	ELEVATION (TOSE)	THK. (FT)	REMARKS
LB2	30.90	31.50	1793.19	0.60	
	31.50	74.80	1792.59	43.30	
COAL	74.80	75.80	1749.29	1.00	
	75.80	111.70	1748.29	35.90	
COAL	111.70	112.10	1712.39	0.40	
	112.10	157.20	1711.99	45.10	
KN1	157.20	158.40	1666.89	1.20	
	158.40	399.00	1665.69	240.60	
RA2	399.00	400.50	1425.09	1.50	
	400.50	524.70	1423.59	124.20	
JB1	524.70	526.00	1299.39	1.30	
	526.00	551.10	1298.09	25.10	
JB3	551.10	552.60	1272.99	1.50	
	552.60	594.00	1271.49	41.40	
T2	594.00	595.10	1230.09	1.10	
	595.10	616.90	1228.99	21.80	
TI	616.90	617.10	1207.19	0.20	
	617.10	738.10	1206.99	121.00	
US1	738.10	738.80	1085.99	0.70	
	738.80	887.10	1085.29	148.30	
GC2	887.10	887.80	936.99	0.70	
	887.80	888.10	936.29	0.30	
GC2	888.10	888.40	935.99	0.30	
	888.40	968.30	935.69	79.90	
SE2	968.30	969.70	855.79	1.40	
	969.70	1003.20	854.39	33.50	
LS1	1003.20	1004.10	820.89	0.90	
	1004.10	1093.00	819.99	88.90	
UH1	1093.00	1093.80	731.09	0.80	
	1093.80	1094.00	730.29	0.20	
UH1	1094.00	1094.50	730.09	0.50	
	1094.50	1116.40	729.59	21.90	
UH2	1116.40	1117.00	707.69	0.60	
	1117.00	1145.20	707.09	28.20	
*MH1	1145.20	1146.00	678.89	0.80	
	1146.00	1293.00	678.09	147.00	
*P11	1293.00	1296.80	531.09	3.80	
	1296.80	1297.00	527.29	0.20	
*P10	1297.00	1298.10	527.09	1.10	
	1298.10	1324.00	525.99	25.90	
*COAL	1324.00	1324.10	500.09	0.10	
	1324.10	1364.40	499.99	40.30	
*LH3	1364.40	1364.80	459.69	0.40	
	1364.80	1365.70	459.29	0.90	
*LH3	1365.70	1366.00	458.39	0.30	
	1366.00	1380.50	458.09	14.50	
*P91	1380.50	1380.60	443.59	0.10	

	1380.60	1395.80	443.49	15.20
*P92	1395.80	1397.10	428.29	1.30
	1397.10	1440.20	426.99	43.10
*P81	1440.20	1442.00	383.89	1.80
	1442.00	1609.40	382.09	167.40
*COAL	1609.40	1609.70	214.69	0.30
	1609.70	1657.20	214.39	47.50
*P41	1657.20	1662.50	166.89	5.30
	1662.50	1674.80	161.59	12.30
*P42	1674.80	1675.00	149.29	0.20
	1675.00	1687.90	149.09	12.90
*COAL	1687.90	1688.10	136.19	0.20
	1688.10	1690.50	135.99	2.40
*P43	1690.50	1690.90	133.59	0.40
	1690.90	1761.10	133.19	70.20
*P31	1761.10	1762.50	62.99	1.40
	1762.50	1762.80	61.59	0.30
*P32	1762.80	1765.00	61.29	2.20
	1765.00	1810.40	59.09	45.40
*COAL	1810.40	1810.70	13.69	0.30
	1810.70	1850.60	13.39	39.90
*P01	1850.60	1851.60	-26.51	1.00
	1851.60	2017.82	-27.51	166.22

COAL SEAMS TO BE STIMULATED WERE ADJUSTED DUE TO THE GAS WELL'S PROXIMITY TO DISMAL CREEK AND WATER WELL G22-1.

GAMMA-CALIPER LOG FROM 0 TO 233.00

GAMMA-DENSITY LOG FROM 233.00 TO TD.

NOTE: FOOTAGE NOT ADJUSTED FOR DEVIATION

FILE: D:\PROJECTS\VP_JJK\GAS\G22.CMP

DATE: 01/30/07

Oil & Gas Show

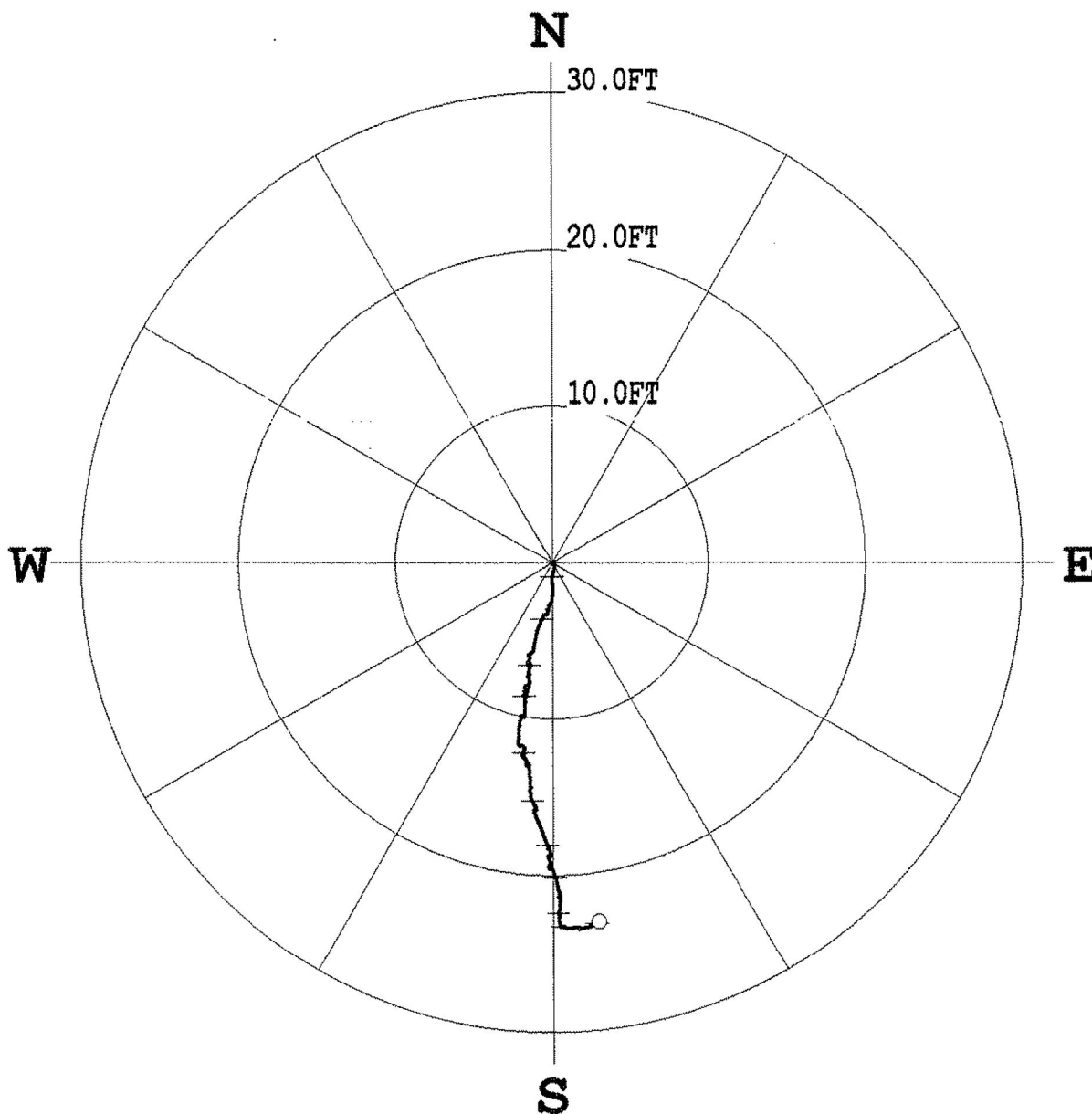
FORMATION	TOP	BOTTOM	THICKNESS	IPF (MCFD/BOPD)	PRESSURE	HOURS TESTED
Lee/Norton	1293	1442	149			
Pocahontas	1657	1851	194			
Total				4.49		

PLAN VIEW COMPU-LOG DEVIATION

CLIENT: CONSOL ENERGY
 LOCATION:
 HOLE ID: 06-CNX-G-22
 DATE OF LOG: 11/16/06
 PROBE: 9136CH 1244



SCALE: 10 FT/IN
 TRUE DEPTH: 2017.22 FT
 AZIMUTH: 172.6
 DISTANCE: 23.0 FT
 + = 150 FT INCR
 ○ = BOTTOM OF HOLE



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

CLIENT : CONSOL ENERGY
 FIELD OFFICE : O'DRISCOLL
 DATA FROM : -

HOLE ID. : 06-CNX-G-22
 DATE OF LOG : 11/16/06
 PROBE : 9136CH , 1244

DRILL DATA HOLE-NOAH HORN WELL DRILLING, INC

COMPANY: CNX

HOLE #: G-22

LOCATION: LOWER BIG BRANCH

DRILL RIG #: 17

DATE STARTED: 11-13-06

DATED COMPLETED: 11-17-06

ELECTRIC LOGGED: YES

GROUTED: YES

DEPTH		THICKNESS	STRATA	REMARKS
FROM	TO	FT	DESCRIPTION, VOIDS ETC	
0	15	15		
15	35	20		SAND/COAL
35	65	30		SANDY SHALE/SAND
65	95	30		SANDY SHALE/COAL/SANDY SHALE
95	125	30		SANDY SHALE/COAL/SAND
125	155	30		SAND/SANDY SHALE
155	185	30		SANDY SHALE/COAL/SANDY SHALE
185	215	30		SANDY SHALE/SAND
215	245	30		SAND/SANDY SHALE
245	270	25		SAND STONE
270	300	30		SAND/SANDY SHALE
300	330	30		SANDY SHALE
330	360	30		SAND/SANDY SHALE
360	420	60		SANDY SHALE/COAL/SANDY SHALE
420	450	30		SANDY SHALE/SAND
450	480	30		SAND STONE/SANDY SHALE
480	510	30		SANDY SHALE/COAL/SANDY SHALE
510	540	30		SANDY SHALE/COAL/SAND
540	570	30		SANDY SHALE
570	600	30		SANDY SHALE/COAL
600	630	30		SANDY SHALE/COAL/SANDY SHALE
630	660	30		SANDY SHALE/SAND
660	690	30		SAND/SANDY SHALE
690	750	60		SANDY SHALE/COAL/SANDY SHALE
750	780	30		SAND/SANDY SHALE
780	810	30		SANDY SHALE/SAND
810	840	30		SAND/SANDY SHALE
840	870	30		SANDY SHALE
870	930	60		SANDY SHALE/SAND
930	960	30		SANDY SHALE
960	1020	60		SANDY SHALE/COAL/SANDY SHALE
1020	1050	30		SANDY SHALE/SAND
1050	1080	30		SAND/COAL/SANDY SHALE
1080	1170	90		SANDY SHALE
1170	1200	30		SANDY SHALE/SAND
1200	1230	30		SAND/SANDY SHALE
1230	1260	30		SANDY SHALE/COAL/SANDY SHALE
1260	1290	30		SANDY SHALE
1290	1320	30		SANDY SHALE/COAL/SAND
1320	1350	30		SAND/COAL/SANDY SHALE
1350	1380	30		SANDY SHALE/COAL/SAND
1380	1410	30		SANDY SHALE/COAL/SANDY SHALE

1410	1440	30	SANDY SHALE/SAND
1440	1620	180	SAND
1620	1650	30	SAND/SANDY SHALE
1650	1680	30	SANDY SHALE/COAL/SAND
1680	1710	30	SAND/COAL/SANDY SHALE
1710	1727	17	SANDY SHALE
1727	1731	4	P-3 COAL
1731	1740	9	SAND
1740	1758	18	SAND
1758	1761	3	P-3 COAL
1761	1770	9	SANDY SHALE
1770	1800	30	SANDY SHALE/SAND
1800	1830	30	SAND/SANDY SHALE
1830	1860	30	SANDY SHALE/COAL/SAND
1860	1890	30	SAND STONE
1890	1920	30	SAND/SANDY SHALE
1920	1950	30	SANDY SHALE/SAND
1950	2020	70	SAND STONE

2020.00 FT. TOTAL DEPTH
15.40 FT. OF 13 3/8" CASING
221.00 FT. OF 7" CASING
1833.00 FT. OF 4 1/2" CASING