



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: 114
Company: CNX Gas Company LLC
File Number: BU-3108
Operations Name: CBM C22A W/PL
Operation Type: Coalbed/Pipeline
Drilling Report Type: Original

DRILLING REPORT (DGO-GO-14)

1. Drilling Data

Date drilling commenced: 9/6/2006 Drilling Contractor: Noah Horn Well Drilling Inc
Date drilling completed: 9/12/2006 Rig Type: Rotary Cable Tool
Driller's Total Depth (feet): 2,460
Log Total Depth (feet): 2,465 Coal Seam At Total Depth Pocahontas

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

Permitted State Plane X 985,039 Final Plat State Plane X: 985,039
Permitted State Plane Y: 362,408 Final Plat State Plane Y: 362,408

Plat Previously Submitted Or...

List of Attached Items:

Description	FileName
Plat	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	Exhibit A.pdf

Gas and Oil Shows

List of Attached Items:

Description	FileName
Gas Show	C22A Gas 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	C22A Deviations.pdf

6. Casing and Tubing Program

List of Attached Items:

Description	FileName
Casing	C22A Casing.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.

Grouted 7' casing to surface to backside

8. Drillers Log

Compiled By: Noah Horn Well Drilling Inc

List of Attached Items:

Description	FileName
Drill Data	Drill Data.pdf

9. Comments

10. Signature

Permitee: CNX Gas Company LLC Date: 1/13/2007 (Company)

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

INTERNAL USE ONLY

Submit Date: 1/13/2007

Status: Inspr Approved

Date: 1/25/2007

Final PDF Date: 1/30/2007

← 8,955' →

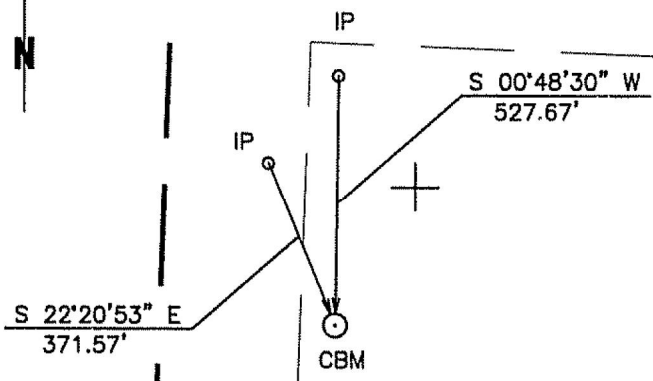
LATITUDE: 37° 17' 30"

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

LONGITUDE: 81° 57' 30"
5,280'



80 ACRE UNIT



FINAL LOCATION
CBM-C22A

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

C22AFNL
1N13/136-0602/70

COMPANY CNX GAS COMPANY, LLC. WELL NAME OR NUMBER CBM-C22A
 TRACT NUMBER C.L. RITTER QUADRANGLE PATTERSON
 DISTRICT: GARDEN

WELL COORDINATES (VIRGINIA STATE PLANE): STATE PLANE; N 362,408.19 E 985,039.42
 ELEVATION: 2215.10' METHOD USED TO DETERMINE ELEVATION: BY TRIG. LEVELS FROM CONSOL INC BM'S
 COUNTY BUCHANAN Scale: 1" = 400' Date 9-15-06

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).

D.H. Price

Licensed Professional Engineer or Licensed Land Surveyor (Affix Seal)

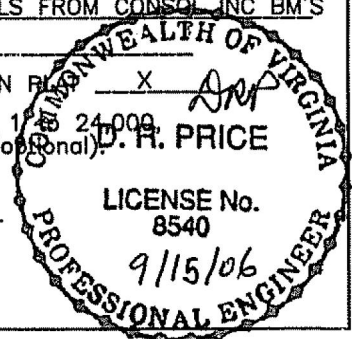


Exhibit A

Well Name: CBM-C22A

SURFACE ELEV: 2215.10 EASTING: 985039.42 NORTHING: 362408.19

SEAM	DEPTH FROM (FT)	DEPTH TO (FT)	ELEVATION (TOSE)	THK. (FT)	REMARKS
	1.00	123.90	2214.10	122.90	
NR1	123.90	124.70	2091.20	0.80	
	124.70	185.60	2090.40	60.90	
HG1	185.60	186.00	2029.50	0.40	
	186.00	270.60	2029.10	84.60	
SD1	270.60	270.90	1944.50	0.30	
	270.90	302.60	1944.20	31.70	
SD2	302.60	302.80	1912.50	0.20	
	302.80	369.00	1912.30	66.20	
UB2	369.00	369.70	1846.10	0.70	
	369.70	446.00	1845.40	76.30	
LB1	446.00	447.00	1769.10	1.00	
	447.00	501.00	1768.10	54.00	
LB2	501.00	502.30	1714.10	1.30	
	502.30	640.90	1712.80	138.60	
KN1	640.90	641.80	1574.20	0.90	
	641.80	643.00	1573.30	1.20	
COAL	643.00	643.20	1572.10	0.20	
	643.20	653.50	1571.90	10.30	
KN2	653.50	654.00	1561.60	0.50	
	654.00	654.30	1561.10	0.30	
KN2	654.30	655.00	1560.80	0.70	
	655.00	766.80	1560.10	111.80	
AL1	766.80	767.00	1448.30	0.20	
	767.00	860.20	1448.10	93.20	
RA2	860.20	861.70	1354.90	1.50	
	861.70	983.80	1353.40	122.10	
JB1	983.80	984.20	1231.30	0.40	
	984.20	1019.80	1230.90	35.60	
JB3	1019.80	1021.70	1195.30	1.90	
	1021.70	1045.00	1193.40	23.30	
COAL	1045.00	1045.90	1170.10	0.90	
	1045.90	1076.70	1169.20	30.80	
T1	1076.70	1077.20	1138.40	0.50	
	1077.20	1186.00	1137.90	108.80	
*US1	1186.00	1186.30	1029.10	0.30	
	1186.30	1227.50	1028.80	41.20	
*COAL	1227.50	1227.70	987.60	0.20	
	1227.70	1325.50	987.40	97.80	
*GC2	1325.50	1325.80	889.60	0.30	
	1325.80	1325.90	889.30	0.10	
*GC2	1325.90	1326.30	889.20	0.40	
	1326.30	1417.10	888.80	90.80	
*SE2	1417.10	1417.80	798.00	0.70	
	1417.80	1418.00	797.30	0.20	
*SE2	1418.00	1418.40	797.10	0.40	
	1418.40	1523.80	796.70	105.40	
*UH1	1523.80	1524.80	691.30	1.00	
	1524.80	1574.00	690.30	49.20	
*UH2	1574.00	1574.70	641.10	0.70	
	1574.70	1617.50	640.40	42.80	
*MH1	1617.50	1619.00	597.60	1.50	
	1619.00	1731.60	596.10	112.60	
*P11	1731.60	1736.70	483.50	5.10	

	1736.70	1755.50	478.40	18.80
*COAL	1755.50	1755.90	459.60	0.40
	1755.90	1827.20	459.20	71.30
*P91	1827.20	1827.70	387.90	0.50
	1827.70	1827.90	387.40	0.20
*P91	1827.90	1828.70	387.20	0.80
	1828.70	1835.70	386.40	7.00
*P92	1835.70	1837.00	379.40	1.30
	1837.00	1926.00	378.10	89.00
*P81	1926.00	1926.50	289.10	0.50
	1926.50	1926.70	288.60	0.20
*P81	1926.70	1927.50	288.40	0.80
	1927.50	1929.80	287.60	2.30
*COAL	1929.80	1930.20	285.30	0.40
	1930.20	2108.00	284.90	177.80
*P52	2108.00	2110.00	107.10	2.00
*P52	2110.00	2113.00	105.10	3.00
	2113.00	2138.90	102.10	25.90
*P41	2138.90	2139.20	76.20	0.30
	2139.20	2142.00	75.90	2.80
*P42	2142.00	2142.60	73.10	0.60
	2142.60	2224.00	72.50	81.40
*P3	2224.00	2228.40	-8.90	4.40
	2228.40	2464.60	-13.30	236.20

NOTE: FOOTAGE NOT ADJUSTED FOR DEVIATION
 COAL SEAMS TO BE STIMULATED WERE ADJUSTED DUE TO THE GAS
 WELL'S PROXIMITY TO MIDWAY BRANCH.
 GAMMA-CALIPER LOG FROM 0 TO 232.00
 GAMMA-DENSITY LOG FROM 232.00 TO TD.

FILE: C:\VP\APPS\C22A.CMP

DATE: 10/02/06

Oil & Gas Show

FORMATION	TOP	BOTTOM	THICKNESS	IPF (MCFD/BOPD)	PRESSURE	HOURS TESTED
Lee/Norton	1524	1837	313	No Show		
Pocahontas	2108	2228	120	No Show		

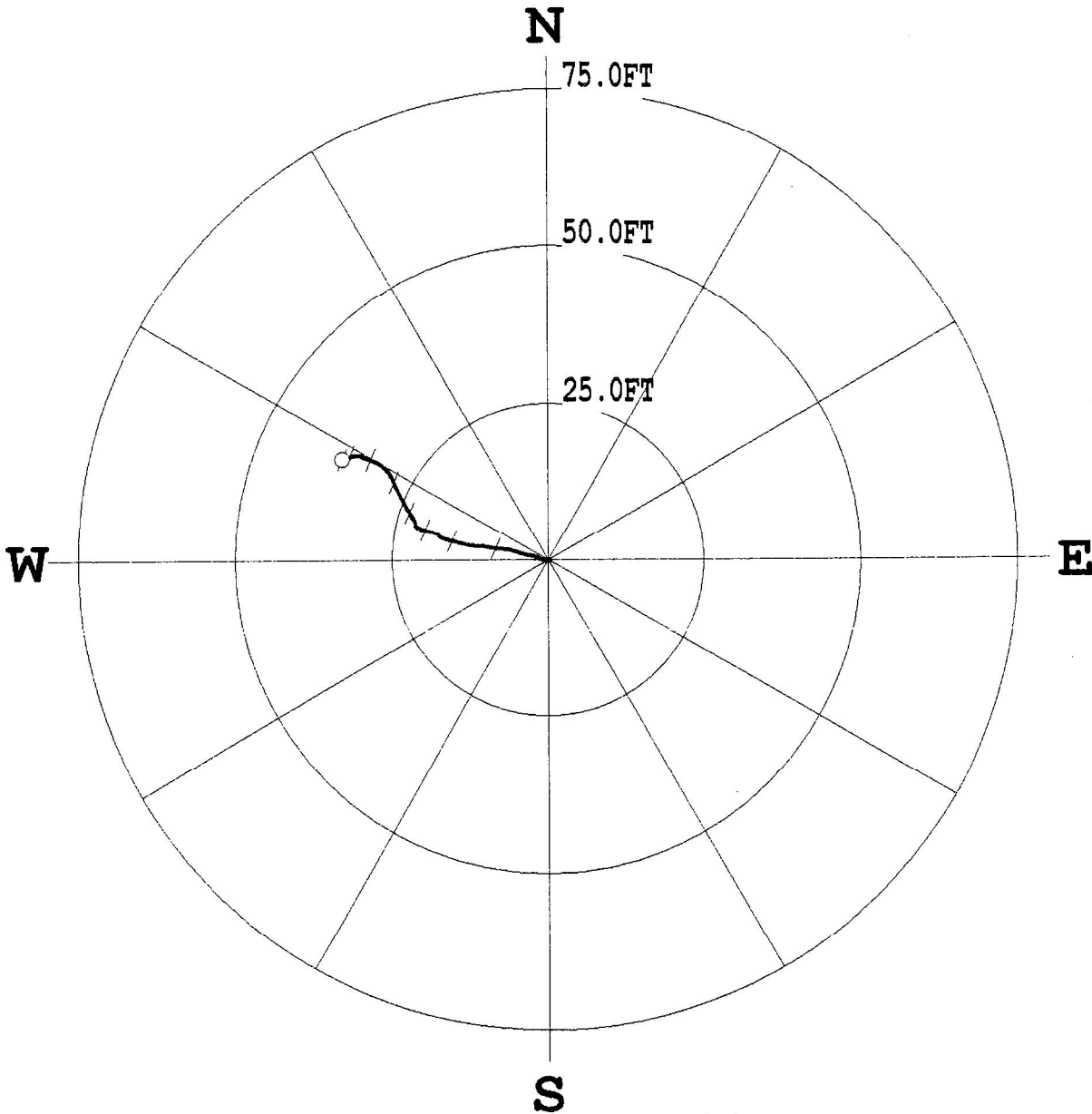
PLAN VIEW COMPU-LOG DEVIATION

CLIENT: CONSOL ENERGY
 FIELD OFFICE: -
 HOLE ID: 06-CNX-C-22A
 DATE OF LOG: 09/11/06
 PROBE: 9136CH 1244



MAG DECL: -7.1

SCALE: 25 FT/IN
 TRUE DEPTH: 2463.96 FT
 AZIMUTH: 296.1
 DISTANCE: 36.6 FT
 + = 300 FT INCR
 ○ = BOTTOM OF HOLE



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

CLIENT	: CONSOL ENERGY	HOLE ID.	: 06-CNX-C-22A
FIELD OFFICE	: O'DRISCOLL	DATE OF LOG	: 09/11/06
DATA FROM	: -	PROBE	: 9136CH , 1244
MAG. DECL.	: -7.100	DEPTH UNITS	: FEET
LOG: 06-CNX-C-22A_09-11-06_14-40_9136CH_1_0.00_2464.50_DEVI.log			

BLE DEPTH	TRUE DEPTH	NORTH DEV.	EAST DEV.	DISTANCE	AZIMUTH	SANG	SANGB
0.0	0.00	0.00	0.00	0.0	0.0	0.0	0.0
10.0	10.00	-0.05	0.02	0.1	157.1	0.5	154.1
20.0	20.00	-0.05	-0.00	0.1	182.4	1.1	246.8
30.0	30.00	-0.09	-0.11	0.1	231.3	0.5	329.5

DRILL DATA HOLE-NOAH HORN WELL DRILLING, INC

COMPANY: CNX HOLE #: C-22A
LOCATION: LOWER BIG BRANCH DRILL RIG #: 17
DATE STARTED: 09-06-06 DATED COMPLETED: 09-12-06
ELECTRIC LOGGED: YES GROUTED: YES

DEPTH		THICKNESS	STRATA	REMARKS
FROM	TO	FT	DESCRIPTION, VOIDS ETC	
0	14	14	OVERBURDEN/COAL/SAND STONE	
14	35	21	SAND/SANDY SHALE	
35	65	30	SANDY SHALE/SAND	
65	95	30	SAND/SANDY SHALE	
95	125	30	SANDY SHALE	
125	155	30	SANDY SHALE/ COAL /SAND/COAL	
155	185	30	SANDY SHALE/SAND	
185	215	30	SAND/COAL/SAND	
215	245	30	SAND/SANDY SHALE	
245	270	25	SANDY SHALE	
270	360	90	SAND	
360	390	30	SAND/COAL	
390	420	30	SAND/SANDY SHALE	
420	450	30	SANDY SHALE/COAL	
450	510	60	SAND/SHALE/COAL	
510	570	60	SANDY SHALE	
570	630	60	SANDY SHALE	
630	660	30	SANDY SHALE/COAL	
660	690	30	SANDY SHALE/SAND	
690	720	30	SAND/SANDY SHALE	
720	750	30	SANDY SHALE	
750	780	30	SANDY SHALE/COAL/SANDY SHALE	
780	810	30	SAND/SANDY SHALE	
810	840	30	SANDY SHALE/SAND	
840	870	30	SAND/COAL/SAND	
870	900	30	SANDY SHALE/COAL/SAND	
900	930	30	SANDY SHALE/SAND	
930	960	30	SANDY SHALE/COAL/SAND	
960	990	30	SANDY SHALE/SAND/SANDY SHALE	
990	1020	30	SANDY SHALE/COAL/SANDY SHALE	
1020	1050	30	SANDY SHALE/SAND/SANDY SHALE	
1050	1080	30	SANDY SHALE/COAL/SANDY SHALE	
1080	1110	30	SANDY SHALE/SAND	
1110	1140	30	SAND/SANDY SHALE	
1140	1170	30	SANDY SHALE	
1170	1200	30	SANDY SHALE/COAL/SANDY SHALE	
1200	1260	60	SANDY SHALE	
1260	1290	30	SANDY SHALE/COAL	
1290	1320	30	COAL/SAND/SANDY SHALE	
1320	1350	30	SANDY SHALE/SAND	
1350	1380	30	SAND/SANDY SHALE	
1380	1410	30	SANDY SHALE/COAL/SAND	

1410	1470	60	SANDY SHALE/SAND
1470	1500	30	SAND/COAL/SANDY SHALE
1500	1530	30	SANDY SHALE/COAL/SAND
1530	1560	30	SAND/SANDY SHALE
1560	1590	30	SANDY SHALE/COAL/SANDY SHALE
1590	1620	30	SAND/SHALE/COAL
1620	1650	30	SANDY SHALE
1650	1680	30	SANDY SHALE/SAND
1680	1710	30	SAND/SANDY SHALE
1710	1740	30	SAND/SANDY SHALE/COAL
1740	1800	60	SAND
1800	1830	30	SAND/COAL/SANDY SHALE
1830	1860	30	SAND
1860	1890	30	SAND/SANDY SHALE
1890	1920	30	SANDY SHALE
1920	1980	60	SAND/SANDY SHALE
1980	2070	90	SAND
2070	2100	30	SAND/SANDY SHALE
2100	2130	30	SANDY SHALE/COAL/SANDY SHALE
2130	2160	30	SANDY SHALE/SAND
2160	2190	30	SANDY SHALE/COAL/SAND
2190	2192	2	COAL P-3
2192	2220	28	SANDY SHALE/SAND
2220	2250	30	SAND/SANDY SHALE
2250	2280	30	SANDY SHALE
2280	2340	60	SAND/SANDY SHALE
2340	2370	30	SANDY SHALE
2370	2400	30	SAND/SANDY SHALE
2400	2430	30	SANDY SHALE
2430	2460	30	SAND/SHALE

2460.00 FT. TOTAL DEPTH
14.00 FT. OF 13 3/8" CASING
221.00 FT. OF 7" CASING
2290.85 FT. OF 4 1/2" CASING