



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: 280
Company: CNX Gas Company LLC
File Number: BU-2879
Operations Name: CBM C19 W/PL
Operation Type: Coalbed/Pipeline
Drilling Report Type: Original

DRILLING REPORT (DGO-GO-14)

1. Drilling Data

Date drilling commenced: 2/2/2006 Drilling Contractor: Noah Horn Well Drilling
Date drilling completed: 2/8/2006 Rig Type: Rotary Cable Tool
Driller's Total Depth (feet): 2,525
Log Total Depth (feet): 2,477 Coal Seam At Total Depth Pocahontas

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

Permitted State Plane X: 980,567 Final Plat State Plane X: 980,564
Permitted State Plane Y: 362,309 Final Plat State Plane Y: 362,302

Plat Previously Submitted Or...

List of Attached Items:

Description	FileName
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3. Geological Data

Fresh Water At:

Depth (in feet)	Rate	Unit of Measure
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Salt Water At:

Depth (in feet)	Rate	Unit of Measure
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Coal Seams

List of Attached Items:

Description	FileName
bu2879-exh a-page 1	bu2879-exh a-page 1.tif
bu2879-exh a-page 2	bu2879-exh a-page 2.tif

Gas and Oil Shows

List of Attached Items:

Description	FileName
bu2879-gas shows	bu2879-gas shows.tif

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	C19 Deviation.pdf

6. Casing and Tubing Program

List of Attached Items:

Description	FileName
bu2879-casing	bu2879-casing.tif

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
bu2879-drill data-page 1	bu2879-drill data-page 1.tif
bu2879-drill data-page 2	bu2879-drill data-page 2.tif

9. Comments

Hard copy approved by inspector on 4-13-06.
Needs deviation survey attached and resubmitted.

10. Signature

Permitee: CNX Gas Company LLC Date: 6/27/2007 (Company)

Signed By: Les Arrington Title: Manager (Signature)

INTERNAL USE ONLY

Submit Date: 6/27/2007

Status: Inspr Approved

Date: 7/20/2007

Final PDF Date: 7/20/2007

Exhibit A

Well Name: 06-CNX-C-19

SURFACE ELEV: 2272.84 EASTING: 980563.91 NORTHING: 362301.77

SEAM	DEPTH FROM (FT)	DEPTH TO (FT)	ELEVATION (TOSE)	THK. (FT)	REMARKS
COAL	138.00	139.00	2134.84	1.00	
	139.00	165.20	2133.84	26.20	
HG1	165.20	166.00	2107.64	0.80	
	166.00	215.90	2106.84	49.90	
COAL	215.90	216.00	2056.94	0.10	
	216.00	301.30	2056.84	85.30	
COAL	301.30	302.50	1971.54	1.20	
	302.50	319.10	1970.34	16.60	
SD1	319.10	320.00	1953.74	0.90	
	320.00	331.00	1952.84	11.00	
SD2	331.00	332.00	1941.84	1.00	
	332.00	335.90	1940.84	3.90	
COAL	335.90	336.10	1936.94	0.20	
	336.10	464.40	1936.74	128.30	
LB1	464.40	465.30	1808.44	0.90	
	465.30	521.10	1807.54	55.80	
LB2	521.10	521.60	1751.74	0.50	
	521.60	594.50	1751.24	72.90	
KN1	594.50	594.60	1678.34	0.10	
	594.60	660.10	1678.24	65.50	
KN2	660.10	661.50	1612.74	1.40	
	661.50	662.70	1611.34	1.20	
COAL	662.70	663.00	1610.14	0.30	
	663.00	773.90	1609.84	110.90	
AL1	773.90	774.00	1498.94	0.10	
	774.00	775.00	1498.84	1.00	
COAL	775.00	775.10	1497.84	0.10	
	775.10	776.10	1497.74	1.00	
AL2	776.10	776.30	1496.74	0.20	
	776.30	852.00	1496.54	75.70	
RA1	852.00	852.10	1420.84	0.10	
	852.10	863.60	1420.74	11.50	
RA2	863.60	865.00	1409.24	1.40	
	865.00	995.00	1407.84	130.00	
JB1	995.00	996.20	1277.84	1.20	
	996.20	1026.00	1276.64	29.80	
JB3	1026.00	1029.00	1246.84	3.00	
	1029.00	1065.50	1243.84	36.50	
T2	1065.50	1066.40	1207.34	0.90	
	1066.40	1082.20	1206.44	15.80	
T1	1082.20	1082.60	1190.64	0.40	
	1082.60	1191.00	1190.24	108.40	
*US1	1191.00	1191.10	1081.84	0.10	
	1191.10	1202.30	1081.74	11.20	
*COAL	1202.30	1202.40	1070.54	0.10	
	1202.40	1328.70	1070.44	126.30	
*GC2	1328.70	1328.80	944.14	0.10	
	1328.80	1372.70	944.04	43.90	
*SE1	1372.70	1373.00	900.14	0.30	
	1373.00	1412.10	899.84	39.10	
*SE2	1412.10	1413.20	860.74	1.10	
	1413.20	1447.40	859.64	34.20	
*LS1	1447.40	1447.50	825.44	0.10	
	1447.50	1448.90	825.34	1.40	
*LS2	1448.90	1449.00	823.94	0.10	
	1449.00	1528.00	823.84	79.00	
*UH1	1528.00	1529.30	744.84	1.30	
	1529.30	1567.70	743.54	38.40	

*UH2	1567.70	1568.00	705.14	0.30
	1568.00	1606.60	704.84	38.60
*MH1	1606.60	1608.00	666.24	1.40
	1608.00	1720.00	664.84	112.00
*P11	1720.00	1721.00	552.84	1.00
	1721.00	1721.60	551.84	0.60
*113	1721.60	1721.80	551.24	0.20
	1721.80	1722.00	551.04	0.20
*P10	1722.00	1725.00	550.84	3.00
	1725.00	1769.00	547.84	44.00
*LH3	1769.00	1771.00	503.84	2.00
	1771.00	1805.70	501.84	34.70
*P91	1805.70	1805.90	467.14	0.20
	1805.90	1813.50	466.94	7.60
*P92	1813.50	1814.70	459.34	1.20
	1814.70	1901.10	458.14	86.40
*P81	1901.10	1903.00	371.74	1.90
	1903.00	2030.00	369.84	127.00
*P62	2030.00	2030.90	242.84	0.90
	2030.90	2047.60	241.94	16.70
*P51	2047.60	2048.00	225.24	0.40
	2048.00	2056.20	224.84	8.20
*COAL	2056.20	2057.00	216.64	0.80
	2057.00	2072.40	215.84	15.40
*P51	2072.40	2073.90	200.44	1.50
*P52	2073.90	2078.10	198.94	4.20
	2078.10	2102.70	194.74	24.60
*P41	2102.70	2103.00	170.14	0.30
	2103.00	2169.00	169.84	66.00
*P3	2169.00	2172.60	103.84	3.60
	2172.60	2219.21	100.24	46.61
*P21	2219.21	2219.45	53.63	0.24
	2219.45	2223.90	53.39	4.45
*P22	2223.90	2224.94	48.94	1.04
	2224.94	2335.50	47.90	110.56
*SJ3	2335.50	2335.60	-62.66	0.10
	2335.60	2476.61	-62.76	141.01

NOTE: FOOTAGE NOT ADJUSTED FOR DEVIATION
 COAL SEAMS TO BE STIMULATED WERE ADJUSTED DUE TO TOPOGRAPHY.
 GAMMA-CALIPER LOG FROM 0 TO 231.50
 GAMMA-DENSITY LOG FROM 231.50 TO TD.

FILE: C:\VP\GAS\C19.CMP

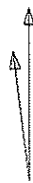
DATE: 02/14/06

Gas and Oil Shows

FORMATION	TOP	BOTTOM	THICKNESS	IPF (MCFD/BOPD)	PRESSURE	HOURS TESTED
Lee/Norton	1412	1903	491	(See Below)		
Pocahontas	2077	2225	153	(See Below)		
Total IPF				8.8 thru 1/2" Orifice		

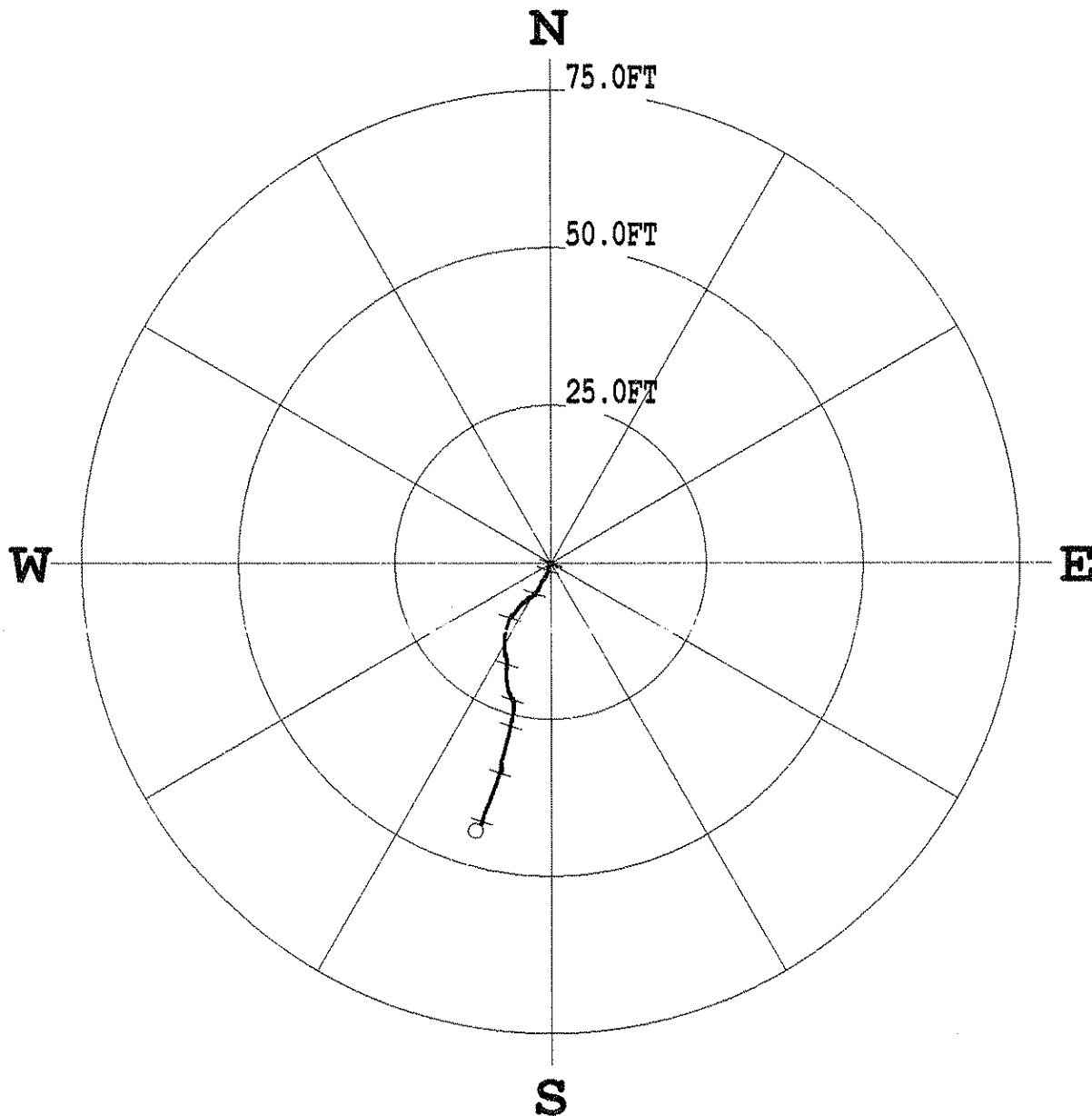
COMPU-LOG DEVIATION

CLIENT: CONSOL ENERGY
 LOCATION: -
 HOLE ID: 06-CNX-C-19
 DATE OF LOG: 02/08/06
 PROBE: 9136CH 1244



MAG DECL: -7.1

SCALE: 25 FT/IN
 TRUE DEPTH: 2475.75 FT
 AZIMUTH: 195.8
 DISTANCE: 44.3 FT
 + = 300 FT INCR
 ○ = BOTTOM OF HOLE



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

CLIENT : CONSOL ENERGY HOLE ID. : 06-CNX-C-19
 FIELD OFFICE : O'DRISCOLL DATE OF LOG : 02/08/06
 DATA FROM : - PROBE : 9136CH , 1244
 MAG. DECL. : -7.100 DEPTH UNITS : FEET
 LOG: 06-CNX-C-19_02-08-06_06-02_9136CH_10_0.00_2476.50_DEVI.log

CABLE DEPTH	TRUE DEPTH	NORTH DEV.	EAST DEV.	DISTANCE	AZIMUTH	SANG	SANGB
0.0	0.20	0.00	0.00	0.0	0.0	0.0	0.0
10.0	10.00	0.03	0.01	0.0	22.2	0.4	353.9
20.0	20.00	0.09	0.01	0.1	5.8	0.4	347.3
30.0	30.00	0.12	-0.03	0.1	347.4	0.4	307.3
40.0	40.00	0.16	-0.08	0.2	333.9	0.3	296.3
50.0	50.00	0.17	-0.14	0.2	320.6	0.3	264.9
60.0	60.00	0.17	-0.18	0.3	313.3	0.2	252.2
70.0	70.00	0.15	-0.22	0.3	304.4	0.3	233.6

CASING AND TUBING PROGRAM

	Casing	Casing Interval	Hole Size	Cement Used In Cu/Ft	Cemented To Surface		Date Cemented	Packers Or Bridge Plugs Kind/Size/Set
					Yes	No		
Conductor	13 3/8"	18.3'	16"		<input type="checkbox"/>	X	2-2-06	
Surface	9 5/8"	220.4'	12 3/8"	94.4 Cu/ft	X		2-3-06	Basket@88'
Water Protection	4 1/2"	2281.38'	6 1/2"	341.6 Cu/ft	X	<input type="checkbox"/>	2-8-06	
Coal Protection	4 1/2"	2281.38'	6 1/2"	341.6 Cu/ft	X	<input type="checkbox"/>	2-8-06	
Other Casing And Tubing Left In Well					<input type="checkbox"/>	<input type="checkbox"/>		
Liners					<input type="checkbox"/>	<input type="checkbox"/>		

DRILL DATA HOLE-NOAH HORN WELL DRILLING, INC

COMPANY: CNX

HOLE #: C-19

LOCATION: LOWER BIG BRANCH

DRILL RIG #: 88

DATE STARTED: 02-02-06

DATED COMPLETED: 02-08-06

ELECTRIC LOGGED: YES

GROUTED: YES

DEPTH		THICKNESS	STRATA	REMARKS
FROM	TO	FT	DESCRIPTION, VOIDS ETC	
0	8	8	OVERBURDEN	
8	18	10		
18	120	102	SAND/SHALE	
120	150	30	SAND/SHALE/COAL	
150	180	30	SAND/SHALE	
180	250	70	SAND	
250	270	20	SAND STONE/COAL/SANDY SHALE	
270	300	30	SAND STONE/COAL/SANDY SHALE /COAL	
300	330	30	SANDY SHALE/COAL/SAND STONE	
330	360	30	COAL/SANDY SHALE /COAL/ SAND STONE	
360	420	60	SAND STONE	
420	450	30	SAND STONE/SANDY SHALE /COAL /SANDY SHALE	
450	480	30	SANDY SHALE/COAL/SANDY SHALE /SAND STONE	
480	510	30	SANDY SHALE/SAND STONE	
510	540	30	SANDY SHALE/COAL/SAND STONE	
540	570	30	SAND STONE/SANDY SHALE/SAND STONE	
570	600	30	SAND STONE/SANDY SHALE /COAL /SAND STONE	
600	630	30	SAND STONE/SANDY SHALE	
630	660	30	SANDY SHALE/SAND STONE/COAL	
660	690	30	COAL/SANDY SHALE/SAND STONE	
690	720	30	SAND STONE	
720	750	30	SAND STONE/SANDY SHALE	
750	780	30	SANDY SHALE/COAL KN2/SAND STONE	
780	840	60	SAND STONE	
840	870	30	SAND STONE/COAL STR/SANDY SHALE /COAL/SAND STONE	
870	930	60	SAND STONE	
930	960	30	SAND STONE/SANDY SHALE	
960	990	30	SANDY SHALE/SAND STONE STR	
990	1020	30	SAND STONE STR/COAL/SAND STONE	
1020	1050	30	SANDY SHALE/SAND STONE	
1050	1080	30	SAND STONE/COAL/SANDY SHALE /COAL/SAND STONE	
1080	1110	30	SAND STONE/SANDY SHALE /COAL /SAND STONE	
1110	1140	30	SAND STONE/SANDY SHALE	
1140	1170	30	SANDY SHALE/COAL STR	
1170	1200	30	SANDY SHALE/COAL/SAND STONE	
1200	1230	30	SAND STONE/SANDY SHALE/SAND STONE	

1230	1260	30	SAND STONE STR/SANDY SHALE
1260	1290	30	SAND STONE/SANDY SHALE
1290	1320	30	SAND/SHALE
1320	1380	60	SAND/SHALE/COAL
1380	1410	30	SAND/SHALE
1410	1470	60	SAND/SHALE/COAL
1470	1560	90	SAND/SHALE
1560	1620	60	SAND/SHALE/COAL
1620	1710	90	SAND/SHALE
1710	1770	60	SAND/SHALE/COAL
1770	1800	30	
1800	1830	30	SAND/SHALE
1830	1865	35	SAND
1865	1895	30	SAND/SHALE
1895	1955	60	SAND
1955	1985	30	SAND STONE/COAL STR
1985	2015	30	SAND STONE/SANDY SHALE/COAL STRK
2015	2045	30	SANDY SHALE/SAND STONE/SANDY SHALE
2045	2075	30	SANDY SHALE/SAND STONE /COAL /SANDY
	SHALE		
2075	2105	30	SANDY SHALE/SAND STONE STR /SANDY
	SHALE		
2105	2135	30	SANDY SHALE/SAND STONE
2135	2165	30	SAND STONE/COAL
2165	2195	30	COAL/SANDY SHALE/SAND STONE /SANDY
	SHALE		
2195	2225	30	SAND STONE/SANDY SHALE/COAL P3-2220-
	2223/SAND STONE		
2225	2255	30	SAND STONE/SANDY SHALE STR
2255	2285	30	SANDY SHALE/SAND STONE
2285	2315	30	SAND STONE/SANDY SHALE/SAND STONE
2315	2345	30	SAND STONE/SANDY SHALE W/COAL
	STR/SAND STONE		
2345	2375	30	SANDY SHALE/SAND STONE
2375	2405	30	SAND STONE/SANDY SHALE
2405	2435	30	SANDY SHALE/SAND STONE
2435	2525	90	SAND/SIALE

2525.00 FT. TOTAL DEPTH
18.30 FT. OF 13 3/8" CASING
220.40 FT. OF 9 5/8" CASING
2281.38 FT. OF 4 1/2" CASING