



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: 289
Company: CNX Gas Company LLC
File Number: BU-2981
Operations Name: CBM C18 W/PL
Operation Type: Coalbed/Pipeline
Drilling Report Type: Original

DRILLING REPORT (DGO-GO-14)

1. Drilling Data

Date drilling commenced: 2/8/2006 Drilling Contractor: Noah Horn Well Drilling
Date drilling completed: 2/15/2006 Rig Type: Rotary Cable Tool
Driller's Total Depth (feet): 2,490
Log Total Depth (feet): 2,491 Coal Seam At Total Depth Pocahontas

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

Permitted State Plane X: 978,659 Final Plat State Plane X: 978,659
Permitted State Plane Y: 361,994 Final Plat State Plane Y: 361,995

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
bu2981-exh a-page 2	bu-2981-exh a-page 2.tif
bu2981-exh a-page 1	bu2981-exh a-page 1.tif

Gas and Oil Shows

List of Attached Items:

Description	FileName
bu2981-gas shows	bu2981-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	C18 Deviation.pdf

6. Casing and Tubing Program

List of Attached Items:

Description	FileName
bu2981-casing	bu2981-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: CNX

List of Attached Items:

Description	FileName
bu2981-drill data-page 1	bu2981-drill data-page 1.tif
bu2981-drill data-page 2	bu2981-drill data-page 2.tif

9. Comments

Hard copy approved by inspector on 4-13-06.
Deviation survey not attached, please do so and resubmit

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

	1774.60	1775.10	525.86	0.50
*COAL	1775.10	1775.40	525.36	0.30
	1775.40	1794.00	525.06	18.60
*P92	1794.00	1795.00	506.46	1.00
	1795.00	1883.10	505.46	88.10
*P81	1883.10	1884.80	417.36	1.70
	1884.80	1997.00	416.86	113.40
*P61	1997.00	1997.10	303.46	0.10
	1997.10	2023.00	303.36	25.90
*P62	2023.00	2023.40	277.46	0.40
	2023.40	2047.50	277.06	24.10
*P51	2047.50	2048.20	252.96	0.70
*P52	2048.20	2052.60	252.26	4.40
	2052.60	2160.83	247.86	108.23
*P3	2160.83	2162.01	139.63	1.18
	2162.01	2202.40	138.45	40.39
*P21	2202.40	2202.60	98.06	0.20
	2202.60	2207.10	97.86	4.50
*P22	2207.10	2207.20	93.36	0.10
	2207.20	2209.10	93.26	1.90
*COAL	2209.10	2209.30	91.36	0.20
	2209.30	2264.60	91.16	55.30
*P01	2264.60	2264.70	35.86	0.10
	2264.70	2491.38	35.76	226.68

NOTE: FOOTAGE NOT ADJUSTED FOR DEVIATION
COAL SEAMS TO BE STIMULATED WERE ADJUSTED DUE TO THE GAS
WELL'S PROXIMITY TO GRAPEVINE FORK.
GAMMA-CALIPER LOG FROM 0 TO 865.00
GAMMA-DENSITY LOG FROM 865.00 TO TD.

FILE: C:\VP\GAS\C18.CMP

DATE: 02/28/06

Exhibit A

Well Name: 06-CNXC-18

SURFACE ELEV: 2300.46 EASTING: 978658.57 NORTHING: 361994.86

SEAM	DEPTH FROM (FT)	DEPTH TO (FT)	ELEVATION (TOSE)	THK. (FT)	REMARKS
COAL	145.30	145.90	2155.16	0.60	
	145.90	175.50	2154.56	29.60	
HG1	175.50	176.10	2124.96	0.60	
	176.10	299.40	2124.36	123.30	
COAL	299.40	299.60	2001.06	0.20	
	299.60	317.30	2000.86	17.70	
SD1	317.30	319.00	1983.16	1.70	
	319.00	336.60	1981.46	17.60	
SD2	336.60	337.70	1963.86	1.10	
	337.70	352.10	1962.76	14.40	
SD3	352.10	353.00	1948.36	0.90	
	353.00	393.10	1947.46	40.10	
UB1	393.10	394.40	1907.36	1.30	
	394.40	458.90	1906.06	64.50	
LB1	458.90	460.60	1841.56	1.70	
	460.60	497.90	1839.86	37.30	
COAL	497.90	498.50	1802.56	0.60	
	498.50	520.50	1801.96	22.00	
LB2	520.50	520.80	1779.96	0.30	
	520.80	656.60	1779.66	135.80	
KN2	656.60	659.10	1643.86	2.50	
	659.10	776.00	1641.36	116.90	
AL1	776.00	776.20	1524.46	0.20	
	776.20	777.10	1524.26	0.90	
AL2	777.10	777.30	1523.36	0.20	
	777.30	860.50	1523.16	83.20	
RA2	860.50	862.70	1439.96	2.20	
	862.70	975.50	1437.76	112.80	
JB1	975.50	976.80	1324.96	1.30	
	976.80	1001.00	1323.66	24.20	
JB3	1001.00	1002.40	1299.46	1.40	
	1002.40	1076.10	1298.06	73.70	
T2	1076.10	1076.30	1224.36	0.20	
	1076.30	1087.00	1224.16	10.70	
T1	1087.00	1087.10	1213.46	0.10	
	1087.10	1179.90	1213.36	92.80	
*US1	1179.90	1180.00	1120.56	0.10	
	1180.00	1315.00	1120.46	135.00	
*GC2	1315.00	1315.30	985.46	0.30	
	1315.30	1398.10	985.16	82.80	
*SE2	1398.10	1399.00	902.36	0.90	
	1399.00	1429.30	901.46	30.30	
*LS1	1429.30	1429.50	871.16	0.20	
	1429.50	1430.50	870.96	1.00	
*LS2	1430.50	1430.90	869.96	0.40	
	1430.90	1502.60	869.56	71.70	
*UH1	1502.60	1503.20	797.86	0.60	
	1503.20	1545.70	797.26	42.50	
*UH2	1545.70	1546.00	754.76	0.30	
	1546.00	1584.00	754.46	38.00	
*MH1	1584.00	1585.40	716.46	1.40	
	1585.40	1692.40	715.06	107.00	
*P11	1692.40	1694.00	608.06	1.60	
*P10	1694.00	1695.50	606.46	1.50	
	1695.50	1749.80	604.96	54.30	
*LH3	1749.80	1751.50	550.66	1.70	
	1751.50	1774.10	548.96	22.60	
*P91	1774.10	1774.60	526.36	0.50	

Gas and Oil Shows

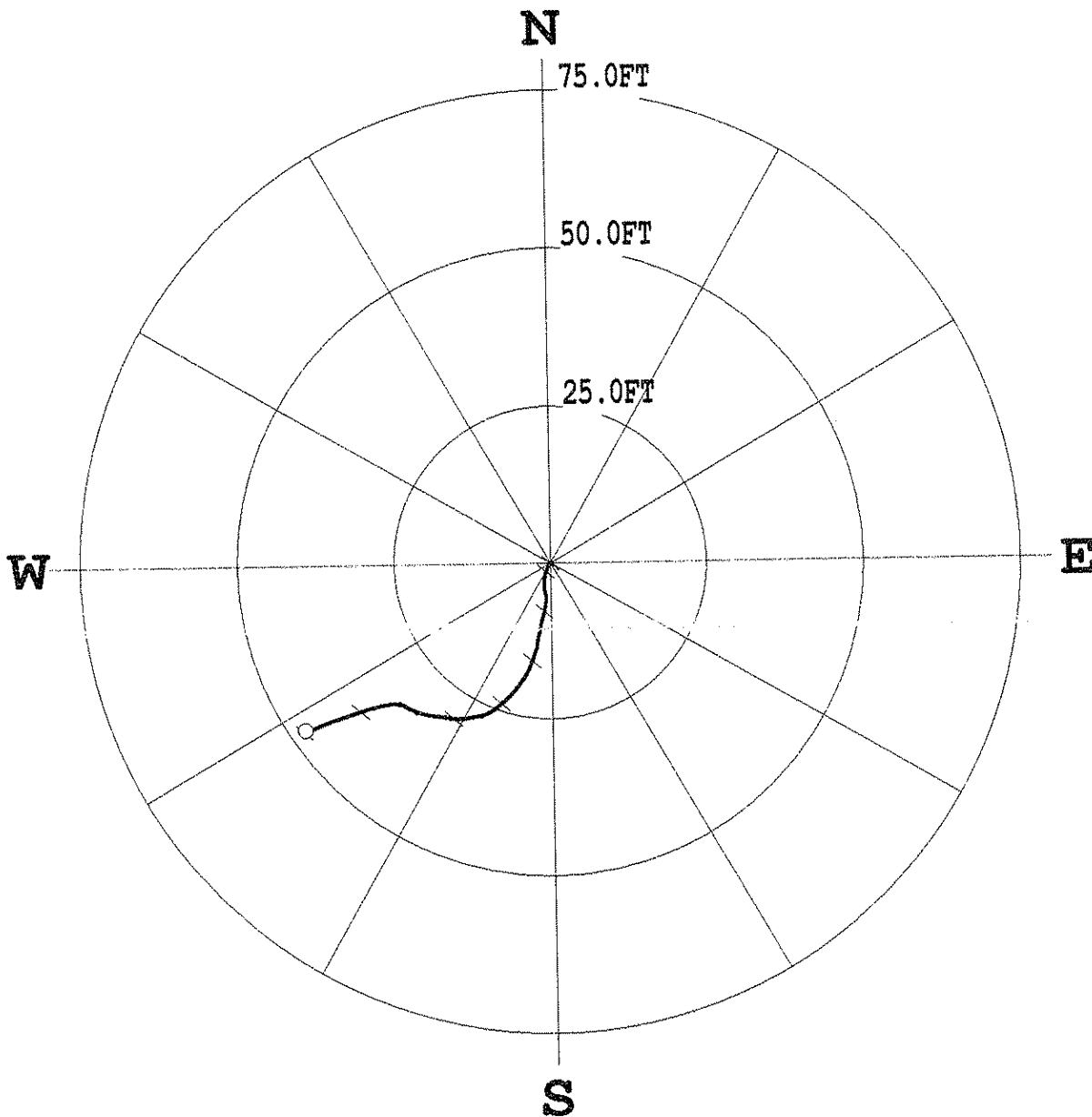
FORMATION	TOP	BOTTOM	THICKNESS	IPF (MCFD/BOPD)	PRESSURE	HOURS TESTED
Lee/Norton	1584	1885	301	(See Below)		
Pocahontas	2048	2162	114	(See Below)		
Total IPF				76.9 thru 1" Orifice		

COMPU-LOG DEVIATION

CLIENT: CONSOL ENERGY
 LOCATION: -
 HOLE ID: 06-CNX-C-18
 DATE OF LOG: 02/14/06
 PROBE: 9136CH 1244



SCALE: 25 FT/IN
 TRUE DEPTH: 2490.22 FT
 AZIMUTH: 236.3
 DISTANCE: 47.4 FT
 + = 300 FT INCR
 ○ = BOTTOM OF HOLE



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

CLIENT : CONSOL ENERGY HOLE ID. : 06-CNX-C-18
 FIELD OFFICE : O'DRISCOLL DATE OF LOG : 02/14/06
 DATA FROM : - PROBE : 9136CH , 1244
 MAG. DECL. : -7.100 DEPTH UNITS : FEET
 LOG: 06-CNX-C-18_02-14-06_18-55_9136CH_10_0.00_2491.30_DEVI.log

TABLE 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	338.1	0.4	308.0
20.0	20.00	0.05	-0.04	0.1	316.2	0.3	12.3
30.0	30.00	0.06	-0.04	0.1	330.2	0.1	66.8
40.0	40.00	0.08	-0.01	0.1	350.6	0.1	33.9
50.0	50.00	0.09	0.01	0.1	8.8	0.4	78.8
60.0	60.00	0.10	0.03	0.1	17.8	0.2	79.2

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"	19.5'	15"		<input type="checkbox"/>	X	2-8-06	
Surface	7"	840.3'	8 7/8"	232.2 Cu/ft	X		2-9-06	Basket@575' and 620'
Water Protection	4 1/2"	2239.77'	6 1/2"	341.6 Cu/ft	X	<input type="checkbox"/>	2-15-06	
Coal Protection	4 1/2"	2239.77'	6 1/2"	341.6 Cu/ft	X	<input type="checkbox"/>	2-15-06	
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-18

LOCATION: LOWER BIG BRANCH

DRILL RIG #: 88

DATE STARTED: 02-08-06

DATED COMPLETED: 02-15-06

ELECTRIC LOGGED: YES

GROUTED: YES

DEPTH		THICKNESS	STRATA	REMARKS
FROM	TO	FT	DESCRIPTION, VOIDS ETC	
0	4	4	OVERBURDEN	
4	19.50	15.50	SHALE/SOFT SAND/SAND STONE	
19.50	30	10.50	SAND STONE	
30	60	30	SAND/SHALE	
60	90	30	SAND/SHALE/COAL	
90	120	30	SAND/SHALE	
120	180	60	SAND/SHALE/COAL	
180	210	30	SAND/SHALE	
210	240	30	SAND	
240	420	180	SAND/SHALE/COAL	
420	630	210	SAND/SHALE	
630	660	30	SAND/SHALE/COAL	
660	720	60	SAND	
720	750	30	SAND/SHALE	
750	780	30	SAND/SHALE/COAL	
780	810	30	SANDY SHALE/SAND STONE /SANDY SHALE/SAND STONE	
810	840	30	SAND STONE	
840	870	30	SAND STONE/SANDY SHALE/COAL STRK/SAND STONE	
870	960	90	SAND/SHALE	
960	990	30	SAND/SHALE/COAL	
990	1020	30	SAND STONE/SANDY SHALE /COAL /SAND STONE	
1020	1050	30	SANDY SHALE/SAND STONE	
1050	1080	30	SAND STONE/SANDY SHALE/SAND STONE STR/COAL/SANDY SHALE	
1080	1110	30	SANDY SHALE/COAL/SAND STONE/SANDY SHALE	
1110	1140	30	SANDY SHALE/COAL/SAND STONE	
1140	1170	30	SAND STONE/COAL/SANDY SHALE/SAND STONE	
1170	1200	30	SANDY SHALE/COAL/SAND STONE	
1200	1230	30	SAND STONE/SANDY SHALE	
1230	1260	30	SANDY SHALE/SAND STONE STR	
1260	1290	30	SANDY SHALE/SAND STONE/SANDY SHALE	
1290	1320	30	SAND STONE/SANDY SHALE /COAL /SAND STONE/SANDY SHALE	
1320	1350	30	SAND STONE/SANDY SHALE/SAND STONE	
1350	1380	30	COAL/SANDY SHALE/SAND STONE /SANDY SHALE	
1380	1410	30	COAL/SANDY SHALE/COAL/SAND STONE	

1410	1440	30	SANDY SHALE/COAL STRK/SAND STONE
1440	1470	30	SANDY SHALE/SAND STONE
1470	1500	30	SANDY SHALE/COAL/SAND STONE
1500	1530	30	SAND STONE/SANDY SHALE/SAND STONE
1530	1560	30	SAND STONE/COAL/SANDY SHALE
1560	1590	30	SANDY SHALE/COAL/SANDY SHALE/SAND
	STONE STR		
1590	1620	30	SAND STONE/SANDY SHALE
1620	1650	30	SANDY SHALE STR/SAND STONE /
	COAL/SANDY SHALE		
1650	1680	30	SAND/SHALE
1680	1710	30	SAND/SHALE/COAL
1710	1740	30	SAND/SHALE
1740	1770	30	SAND/SHALE/COAL
1770	1800	30	SANDY SHALE/COAL/SAND STONE
1800	1835	35	SANDY SHALE/SAND STONE
1835	1865	30	SAND STONE/SANDY SHALE/SAND STONE
1865	1895	30	SANDY SHALE/COAL/SANDY SHALE/SAND
	STONE		
1895	1925	30	SAND STONE/COAL/SANDY SHALE
1925	1955	30	SANDY SHALE/SAND STONE
1955	1985	30	SAND STONE/SANDY SHALE/SAND STONE
1985	2015	30	SANDY SHALE/SAND STONE
2015	2045	30	SANDY SHALE/SAND STONE/COAL
2045	2075	30	COAL/SAND STONE
2075	2105	30	SAND STONE
2105	2135	30	SANDY SHALE/SAND STONE
2135	2165	30	SANDY SHALE/SAND STONE/COAL P-
	4/SANDY SHALE/SAND STONE		
2165	2187	22	SAND
2187	2189	2	COAL P-3
2189	2195	6	SAND
2195	2315	120	SAND/SHALE
2315	2345	30	SAND
2345	2370	25	SAND STONE/SHALE STRKS
2370	2400	30	SAND STONE/SANDY SHALE/SAND STONE
	STR		
2400	2430	30	SAND STONE/SHALE/SANDY SHALE
2430	2460	30	SANDY SHALE/SAND STONE
2460	2490	30	SAND STONE

2490.00 FT. TOTAL DEPTH
19.50 FT. OF 13 3/8" CASING
840.30 FT. OF 7" CASING
2239.77 FT. OF 4 1/2" CASING