

Operator: Columbia Gas Transmission Corp.  
 Farm: Lynn Camp Coal Corp.  
 Well No.: 9639  
 Location: Buchanan County  
           6300' W of 82°10'  
           2200' S of 37°20'

Elevation: 1613.26'

Remarks: Elevation and location of well site with reference to coal geology of the area, and measured section No. 134, indicate that the well site is located about 80' above the Dorchester coal, about 360' above the Splash Dam coal, about 630' above the Kennedy coal, and about 1500' above the War Creek coal horizon. Formational boundaries determined from electrical logs by Marshall S. Miller, May 1972. Depths below are measured from electrical logs which are measured 11 feet above ground level.

<u>Formation</u>	<u>Top</u>	<u>Bottom</u>	<u>Thickness</u>
Pennsylvanian System			
Post Lee Formation "in at surface"		1144	1144'
Dorchester coal at 80'			
Gladeville Sand Interval 100-150			50'
Splash Dam coal 382-387			(Driller) 5'
Kennedy coal at 630'			
Lee Formation	1144	1890	746'
Middle Member (1144-1478)			
quartzose sand 1144-1199			55'
quartzose sand 1204-1213			9'
quartzose sand 1216-1227			11'
quartzose sand 1239-1257			20'
quartzose sand 1290-1348			58'
quartzose sand 1402-1480			78'
War Creek coal horizon at 1500'			
Lower Member (1681-1890)			
quartzose sand 1681-1780			99'
quartzose sand 1785-1832			47'
quartzose sand 1862-1890			28'
total quartzose sand			405'
Pocahontas Formation	1890	1950	60'

Mississippian System

Bluestone Formation	1950	2357	407'
Pride Shale	2210	2357	147'
Princeton Interval	2357	2538	181'
Little Stone Gap Member	2538	?	?
Maxton Sands	2660 No	2680	20'
	2794	2824	30'
	2971	3048	77'
Greenbrier Limestone	3092	3524	432'
MacCrady	3524		

Geologic supplementary log by Marshall S. Miller, May 1972,  
of Columbia Gas Well No. 9639.

1800-1820	20'	Siltstone, tan, siliceous, with high quartz content, rare muscovite, rock fragments
1820-1830	10'	No samples
1830-1860	30'	Siltstone, as in 1800-1820, with scattered gray shale fragments
1860-1870	10'	No samples
1870-1905	25'	Siltstone, as in 1800-1820, slightly micaceous
1905-1950	45'	Siltstone, gray to grayish brown, argillaceous, calcareous in part, locally siliceous
1950-		Siltstone, red, calcareous

CGT LYNN CAMP 9639 - W-3601

1700-1780 - SS, white, med grained

1780-1790 - SS, w/coal

1790-1830 - SS, white, med grained

1830-1860 - slst, dk. gray

1860-1900 - SS, white

1900-1910 - SS, w/coal

1910-1940 - slst, gray

1940-1950 - SS, yellow

1950-1960 - slst, red

1960-1990 - missing

1990-2030 - slst, Lt olive gray-gray

2030-2150 - missing

2150-2230 - slst, gray

2230-2330 - shale, gray

2330-2380 - shale, blk

2380-2520 - SS, u.f. P

2520-2630 - slst, red, calc.

2630-2650 - shale, red

2650-2680 - SS

2680-2740 - slst, red

2740-2780 - slst, gray

2780-2820 - SS

2820-2850+ - slst, Gray