Operator: Columbia Gas Trans. Corp. Farm: The Pittston Co. Well No.: 9645 Elevation: 1732' Location: Buchanan County 5950' N of 37°15' 7600' E of 82°15' Total Depth: 4585'73'

Formational boundaries determined from geophysical well logs which are measured 6 feet above ground level. Elevation and location of well site indicates that well located near the Dorchestor coal horizon.

Formation	Тор	Bot	tom	Thickness
Pennsylvanian Syste	m			
Post Lee Formati	on "in	at surface"	1289	1289'
		Kennedy coal	L horizon at 70	01
		McClure sand	l interval 745-	815 70'
Lee Formation	1289		1987	698'
		quartzose sa	and 1289-1323	34'
		guartzose sa	and 1337-1347	10'
		quartzose sa	and 1387-1393	6'
		quartzose sa	and 1400-1421	21'
		War Creek co	al horizon at	1640'
		quartzose sa	and 1825-1873	48'
		quartzose sa	and 1878-1908	30'
		quartzose sa	and 1932-1987	55'
		total quartz	ose sand	204'
Pocahontas Forma	tion 1	L987	2040	53'
Mississippian Syste	m			
Bluestone Format	ion 2	2040	2548	508'
Pride Shale	2	2340	2548	208'
Princeton Interv	al 2	2548	2716	168'
Little Stone Gap	Mem. 2	2716	?	?
Maxon Sands	3	3014	3160	146'
Greenbrier Fm.	3	3290	3826	536'
MacCrady	. 3	826		

Geologic log supplement by Marshall S. Miller, May 1972.

- 1800-1815 15' Shale and sandstone; shale about 50%, gray to dark gray, locally carbonaceous, and micaceous, hard, brittle; sandstone, about 50%, light gray to white, fine to medium grained, subround to subangular, moderately sorted, slightly micaceous, abundant clay-silt matrix material, and red, brown, and black rock fragments, about 75 to 80% quartz
- 1815-1860 45' Sandstone, white, quartzose, medium to granular grained, scattered conglomerate, quartz fragments up to 6 mm, small amount of matrix material, scattered dark rock fragments and micas, over 95% quartz. Fragments of black carbonaceous and pyritic shale occur locally within the interval.
- 1860-1890 30' Sandstone, white, quartzose, fine to coarse grained, rounded to subangular, appears loose and friable, with scattered rock fragments and muscovite, over 95% quartz
- 1890-1900 10' No samples
- 1900-1930 30' Sandstone, light gray to white, fine to medium grained, subround to subangular, moderately sorted, with considerable dark shaly and carbonaceous rock fragments, coarse grained muscovite, white clay matrix material, about 85 to 90% quartz
- 1930-1995 65' Sandstone, white, fine to granular grained, with scattered conglomeratic quartz pebble, subround to subangular, poorly sorted, small amount of matrix material, (quartz overgrowths are visible) rare dark rock fragments, 95 to 100% quartz. A coal interval present within 1940-1950, pure, high vitreous luster, blocky fracture
- 1995-2000 5' Shale, dark gray to black, locally carbonaceous, finely micaceous

2000-2008 8' Siltstone, gray, argillaceous

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2008-2012	4 '	Coal, dull to high luster, bony and shaly in part, conchoidal fracture (thickness and depth estimated)
2012-2020	8 '	Siltstone, gray, argillaceous, locally shaly
2020-2040	20'	Shale, siltstone, and mudstone; shale, dark gray, silty, carbonaceous; siltstone, gray, shaly; mudstone, brownish gray, with rounded yellowish-brown siderite nodules
2040-2050	10'	Shale, red, green, and gray, slightly calcareous

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