

Operator: New York Mining and Manufacturing Co.

Farm: Graham

Well No.: 1

Index No.: 24

Location: Wise County

12,850' north of 36°55'

1,550' west of 82°40'

Elevation: 2136'

Remarks: R. Miller, U.S.G.S., 1969, referred to this well as the 'most reliable measurement of the Norton Formation.' He also noted that 'this well spudded in at about 40 feet below the Norton coal bed and about 90 feet below the base of the Gladeville sandstone.' He further added that 'the top of the Bee Rock Sandstone Member is clearly recognizable in the well at a depth of 701 feet' and concluded that the Norton Formation was about 790 feet thick at this location.

Correlated section with [redacted] core located 4 3/4 miles NE.

<u>Formation</u>	<u>Top</u>	<u>Bottom</u>	<u>Thickness</u>
Pennsylvanian System			
Post Lee Formation "in at surface"		702	702'
		Norton coal at 40'	
		Hagy coal 178-179	
		Splash Dam coal 258-259	
		Upper Banner coal horizon at 340'	
		Lower Banner coal 466-467	
		Kennedy coal 643-644	
Lee Formation	702	2103	1401'
(Bee Rock)		quartzose sand 702-783	81'
		Jawbone coal 911-929	
		Tiller coal 1016-1017	
		quartzose sand 1207-1244	37'
		quartzose sand 1334-1387	53'
		quartzose sand 1407-1422	15'
		quartzose sand 1442-1534	92'
		quartzose sand 1591-1629	38'
		*War Creek coal intervals 1629-1639	
		1643-1658	
		quartzose sand 1658-1756	98'
		quartzose sand 1803-2051	248'
		quartzose sand 2060-2103	43'
		total quartzose sand	705'

\*Recorrelation indicated War Creek coal seam absent.

Correlations by Marshall Miller, 1970-74, VDMR.

Mississippian System

Bluestone Formation	2103	2575	472'
Pride Shale	2354	2575	221'
Princeton Interval	2575	2725	150'
Little Stone Gap Mem.	2725	2800	75'
Stony Gap Sand	2856	3015	159'
Greenbrier Formation	3428	3865	437'
Maccrady	3865		