

Dickenson County  
 Clinchfield Coal Corp.  
 David Colley #107  
 Index No. 13  
 VDMR W-143

Elevation: 1517.4'

Remarks: Location and elevation of well site indicate well spudded below  
 Kennedy Coal Seam.

\*The quartzose sands, conglomeratic intervals and coal beds were determined from Milichi's geological log, and a microscopic review of the well. A final check and verification of the coals and quartzose intervals was done before the final summary was prepared below. Correlations by Marshall Miller, 1970-74, VDMR.

<u>Depth</u>	<u>Thickness</u>	<u>Description</u>
190-191	1'	Coal, pure, with vitreous luster, conchoidal fracture, <u>Aily coal or</u> <u>Raven coal</u>
285-287	2'	Coal, pure with vitreous luster, conchoidal fracture, <u>[possibly Raven coal?]</u> <u>omit</u>
321-322	1'	Coal, pure to impure, vitreous luster, Jawbone coal?
354-?	?	Coal, impure, silty, Tiller coal
631-659	28'	Sandstone, white, quartzose, fine to medium to coarse grained, with the grain size increasing downward, subround to subangular grains, moderately to well sorted, over 95% quartz, quartz grains 2 to 3 mm <u>[is]</u> size by interval 654'
659-662	3'	Sandstone, white, quartzose, over 95% quartz, fine to medium grained, subrounded, well sorted
662-700	38'	Sandstone, white, quartzose, fine to coarse grained, with occasional quartz pebbles, grains present up to 5 mm, subround to subangular, moderately sorted, becomes very conglomeratic (684-700)
783-784	1'	Coal, vitreous, conchoidal fracture

1083-1084	1'	Coal, vitreous, conchoidal fracture
1141'1/2" - 1142'1/2"	1'	Coal, vitreous, conchoidal fracture
1234-1236	2'	Coal, vitreous, conchoidal fracture
1444-1509	65'	Sandstone, white, quartzose, fine to coarse grained, subround to subangular, sorting varies, moderate to well sorting, large quartz granules, which are fragments of larger quartz pebbles are present in intervals (1447-1461) and (1466-1477). Some non-quartzose material in upper intervals is occasionally present; shaly or carbonaceous material, which is probably due to contamination (caving). Sand for the most part remains quartzose, over 95% quartz, with very rare muscovite, and occasional dark rounded pebbles present. The quartz sand appears to pick up some shaly material and "chunks" of less sorted, non-quartzose sand in interval (1477-1493) which may be due to re-working of the Pocahontas sediment below. The bottom interval is pure white 100% quartz sand, which lies upon a black shaly coal at 1509'
1509-1810	301'	Interval consists of gray, fine grained, poorly sorted sand with abundant carbonaceous material, micas and feldspar, dark gray silty shales, and coal seams in intervals (1509-1511), (1530-1533), (1731-1734), and (1769-1770)
1810-		Red and green calcareous shales

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Remarks: Location and elevation of well indicate well spudded in about 50' below the Kennedy coal. Referred to sections 139, 145, and coal correlations in McClure River Basin and Frying Pan Basin. See page 137. Correlations by Marshall Miller, 1970-74, VDMR.

<u>Formation</u>	<u>Top</u>	<u>Bottom</u>	<u>Thickness</u>	<u>Remarks</u>
<b>Pennsylvanian System</b>				
Post Lee Formation "in at surface"		631	631'	Coal horizons Kennedy coal at -50
		Raven coal 190-191 Jawbone coal 321-322 Tiller coal 354-355? War Creek coal 1083-1084		
Lee Formation	631	1509	878'	Coal horizons
		quartzose sand 631- 700	69'	
		quartzose sand 1444-1509	65'	
			<u>134'</u>	
		conglomeratic 662- 700	38'	
		conglomeratic 1447-1461	14'	
		conglomeratic 1466-1477	<u>11'</u>	
			<u>63'</u>	
Pocahontas Formation	1509	1810	301'	Coal horizons
		Pocahontas #4 (1509-1511) Pocahontas #3 coal (1530-1533) Pocahontas #2 coal (1731-1734) Pocahontas #1 coal (1769-1770)		
<b>Mississippian System</b>				
Bluestone Formation	1810	2348	538'	
Pride Shale	2140	<u>2348</u>	<u>208'</u>	
Princeton SS	<u>2348</u>	2420	<u>72'</u>	
Little Stone Gap Mem.	2420	2491	71'	
Stony Gap SS	2820?	2955?	135'	
Bluefield Formation	2955			