Dickenson County Clinchfield Coal Corp. David Colley #204 VDMR W-130 Index No. 14 Elevation: 1888'4''

*Well location between Upper and Lower Banner coals.

Well is microscopically observed to identify Lee quartzose sands and coal intervals. The descriptions of Clark Jones have been used for all other correlations.

Summary below by Marshall S. Miller, February, 1971.

Depth	Thickness	Lithology
250- 252	2'	Coal, silty and impure, Kennedy coal?
508- 509	1'	Coàl, vitreous luster, blocky and conchoidàl fracture, depth and thickness from drillers log. Raven coal?
658- 665	7'	Coal, vitreous luster, blocky and conchoidal fracture, depth and thickness from drillers log. Probably Jawbone and Tiller coals together.
965-1007	42'	Sandstone, white, quartzose, fine to medium grained, occasionally coarse grained, grain size gradually increases downward, from fine to medium grained, subrounded, well sorted, over 95% quartz, appears loose with little or no cementing and matrix material
1007-1020	13'	Missing
1020 - 1033	13'	Sandstone, white, quartzose, over 95% quartz, fine to coarse grained, subround to subangular, conglomeratic throughout with granules up to 5 mm, little or no visible matrix material
1364-1366	21	Coal, vitreous luster, conchoidal fracture

a		(- 2-
	1433-1435	2'	Coal, vitreous luster, conchoidal and blocky fracture, scoriaceous
	1572-1580	81	Coal, vitreous luster, conchoidal and blocky fracture.
	1590-1592	21	Coal, estimated depth and thickness
	1633-1636	31	Coal, vitreous luster, blocky and conchoidal fracture
	1671-1673	21	Coal, silty, impure
	1763-1797	34'	Sandstone, white, quartzose, 90-100% quartz, fine to coarse grained, subround to subangular, moderately to poorly sorted, with occasional muscovite, and dark rounded rock fragments, conglomeratic (1773-1797), has some red interstitial clay present (1789-1797)
	1797-1802	51	Sandstone, white to light gray, and buff, fine to medium grained, moderately to poorly sorted, subangular to subround, interstitially silty, with abundant muscovite, biotite, chlorite, and silt and coaly partings, 85 to 90% quartz
	1802-1809	7'	Sandstone, white, quartzose, 95% quartz, conglomeratic (grains up to 5 mm), fine to coarse grained, subround to subangular, poorly sorted, little or no matrix material
	1809-1826	17'	Sandstone, light gray, white, buff, fine to coarse grained with scattered conglomerate, very poorly sorted, subangular to subround, generally silty, with abundant clay, and dark rounded argillaceous material, 80% quartz, 10 to 15% matrix
	1826-1865	39'	Sandstone, white, quartzose (almost 100% quartz) fine to coarse grained, subangular to subround, conglomeratic throughout, (granules up to 10 mm), moderately to poorly sorted, little or no cement material is present. Lithology abruptly changes to a coal at 1865
	1865-2165	300'	Pocahontas Formation. Interval consists of coal, shale, siltstones, and fine grained sandstones with relatively low quartz content, 55 to 75%. Coal beds present (1871-1875) (2094-2098) and possibly (2113-2115). Red and green calcareous shales present at 2165.

à

ł

ł

Operator: Clinchfield Coa	al Compa	ny							
Farm: David Colley									
Well No.: 204			4						
Index No.: 14		VI-J	φ						
Location: Dickenson Cour	aty								
12,550' S of 37	°05'								
850' W of 82	2°20'								
Elevation: 1888.4									
Total Depth: 6666' Demonstry, Flouration and location of well with reference to coal goalogy									
along McClure Riv	along McClure River and core section S-20. (Dickenson County								
Report) indicate th	at well s	pudded in below the upper Ban	iner coal						
and above the Low	er Banne	r coal. Correlations by Ma	rshall						
Miller, 1970-74,	VDMR.								
Formation	<u>Top</u>	Bottom	Thickness						
Pennsylvanian System									
Post I as Formation "in	at curfa.	965	9651						
Fost Dee Formation in	at Sulla	Kennedy coal 250-252	,05						
		Raven coal 508-509							
		Jawbone coal 658-666							
Lee Formation	965	1865	900'						
		quartzose sand 965-1033	68'						
		War Creek coal 1433-1435							
		quartzose sand 1763-1797	34'						
		quartzose sand 1802-1809	7'						
		quartzose sand 1826-1865	39'						
		total quartzose sand	148'						
Pocahontas Formation	1865	_2165	300'						
		Pocahontas #3 coal 1871-187	5 0						
		Pocahontas #2 coal $2094-209$	о Г						
		Pocanontas #1 coar 2113=211	0						
Mississippian System									
Bluestone Formation	2165	2678	513'						
Pride Shale	2430	2.678	248'						
Dringston Sand	2678	2809	131						
	2010	2800	101 001						
Little Stone Gap	2009	2077	90 0 ()						
Stony Gap Sand	3266	3352	80'						
Greenbrier Fm.	3782	4356	574'						
Maccrady	4356								

r

¥

Ι,

С

.

•

•

٠

.....