

MEASURED SECTION NO. Roane-1020
 LOCALITY Rock Creek Field
 SETTING _____

DATE 5/1/91
 STRATIGRAPHIC UNIT Big Injun
 MEASURED BY AV

NOTE: This description is from core cutting, for every 1 foot of core we have 1/2 inch to 1 inch of core. ∴ No sedimentary structures may be observed

Interval	SEDIMENTARY TEXTURES & STRUCTURES			ROCK TYPE, CONTACTS & ACCESSORIES	Cement strength	DESCRIPTIONS
	GRAV	SAND	SILT CLAY			
2025	64 4	VCCM FVF			Good	
2027-2028					Very poor	at 2027-2028 - A dolomitic micrite (sandy) 25% sand grains (moderately well rounded) coarse grain size
2028-2029					Good	at 2028-2029 - a sandy dolomitic micrite of mostly medium size moderately well rounded sand grains (2-10%)
2030					Weak	white coarse ss w/ mafic fragments (1%) and weak calcite cement - note some partly sorted coarse grains
2030-2035						Missing
2035						A white ss speckled w/ pits filled w/ some unknown tan mineral making the rock appear buff colored. Grain size medium to coarse of predominantly Qtz. No calcite cement.
2035-2040						A fine Qtz ss - white in color on a fresh surface. However the chip is light brown in color and coated w/ a limonite color coating? so covered w/ cement can not determine grain size - looks just shy of medium - speckled w/ limonite color (siderite) dots. Grain size is hard to determine (?) - Fine (?) - lots of clay & cement - white - w/ 3% tan or limonite speckles. No calcite cement - predominantly Qtz w/ 1-2% Feldspar and 1% limonite color speckles (< 1mm in diameter).
2040						A porous ss - water just soaks in!! Dirty white - not w/ Fe; light greenish grey - wet speckled w/ 2-3% limonite color minerals (relict heavy minerals oxidized?).
2045						No calcite cement. piece 2045-2050 is very clay rich - water drop beads up. The rest of the samples are very porous with almost no cement holding the pieces together - very porous. Cemented w/ abundant clay.
2050						Light green almost fine-grain ss (both fine & very fine) 3-4% limonite color speckles cemented w/ abundant clay.
2055						No calcite cement. Porous - poor to moderately cemented. Speckled w/ 1-2% limonite color staining (relict heavy minerals?). Fine grain Qtz ss coated w/ clay.
2060						

(less than in diameter) ~ 10% very weakly cemented

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Interval	SEDIMENTARY TEXTURES & STRUCTURES			INTERVAL	ROCK TYPE, CONTACTS & ACCESSORIES	Cement strength 6000 very poor	DESCRIPTIONS
	GRAV 64 4	SAND VCCM F VF	SILT CLAY				
2060							A greenish grey fine ss porous, soaks up water No calcite cement poorly cemented speckled (1%) w/ limonite colored (< 1mm diameter spots (pelic opaque or heavy minerals?))
2065							
2070							Greenish grey very fine ss. coated w/ red dirt (which is clay and repeats water. However once you get past the clay coating the ss is porous - better cemented except for 2072-2073 which is very poor white mica specks on surface (1%) (< 1mm) (G12?)
2075							A dark grey shale coated w/ light brown or buff colored dirt
2080							At 2080-2081' - The very fine blue-grey ss breaks apart into thin horizontal fissile layers Blue-grey in color - no calcite cement Porous (very) - poorly cemented white mica (10%)
2085							A black shale
2090							A very porous, clay rich - note how water beads, poorly (very) cemented very fine ss Blue-grey in color - no calcite cement In each of these two bags we have 1 piece of shale and one piece of blue-grey very fine ss. I will show as alternating shale & ss porous, poorly cemented
2095							A very dark grey almost black siltstone
2100							A very porous, poorly cemented blue-grey very fine ss No calcite cement
2105							A black shale
2110							A porous, poorly cemented blue-grey very fine ss with abundant clays
2115							A black to very dark grey shale

== horizontal bedding

pp 2
 or 3

