

P8
of 3

MEASURED SECTION NO. Boone 1021
 LOCALITY Rock Creek field
 SETTING _____

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

ELEVATION	SEDIMENTARY TEXTURES & STRUCTURES			INTERVAL	ROCK TYPE, CONTACTS & ACCESSORIES	TEXTURAL MATURITY		DESCRIPTIONS	
	GRAV	SAND				SILT CLAY	SUP MAT		SUB IM
	64 4	VCCM	FVF						
2085									
2090		▲						grey, heavily re-crystallized, ooid packstone-grainstone : some secondary porosity in ? solution voids at 2089-2092 = 1 chip " coarse - sparite of limestone	
2095								grey, heavily re-crystallized, ? ooid packstone-grainstone increasingly dolomitized down hole: small voids (< .5cm) filled w/ coarse calcite spar at 2094'-2095' - no solution voids visible	
2098		▲						H. grey, heavily re-crystallized, ? ooid packstone- grainstone: small solution voids in top 1' of this interval	
2100		??						H. brownish grey, heavily re-crystallized, sucrosic texture hides all original rock texture: poorly indurated-fragile	
2102		▲						H. brownish-grey, heavily re-crystallized, ooid packstone- grainstone: small solution voids w/ red hematite staining	
2105								H. grey, dolomitic, qtz ss wackestone: H. qtz ss, angular & well-sorted: inter-bedded w/ black, shaly siltstone (2102-2103): amount of qtz ss present decreases downhole By 2104' - rock is a quartzose, dolomicroite	
2110									
2115		?						H. grey, vcoarse-granular, qtz ss, poorly sorted & fining upwards to medium-fine qtz ss: calcite cement: coarse-fine cycles appear to be on a 1'-2' scale - difficult to tell because of nature of material - calcite cement stops at 2117'	
2120		?							

○ - oolites
 ▲ - dissolution voids
 ~~~~~ - unconformity  
 ⊙ - calcite cement

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PB 3  
of 3

MEASURED SECTION NO. Range 1021  
 LOCALITY Rock CK field  
 SETTING \_\_\_\_\_

DATE 5/3/91  
 STRATIGRAPHIC UNIT Big Injun  
 MEASURED BY AV & RM

|        | SEDIMENTARY TEXTURES & STRUCTURES |          |           | INTERVAL | ROCK TYPE, CONTACTS & ACCESSORIES | TEXTURAL MATURITY | DESCRIPTIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|--------|-----------------------------------|----------|-----------|----------|-----------------------------------|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|        | GRAV                              | SAND     | SILT CLAY |          |                                   |                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|        | 64 4                              | VCCM FVF |           |          |                                   |                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 2120.5 | 4                                 | 2120     |           |          |                                   |                   | Missing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|        |                                   |          |           |          |                                   |                   | cleaner gr ss than lower interval - fine ss white (w/ int of green)<br>cleaner fine gr ss w/ one grain layers of coarse sand size one grains - poorly sorted one of the granular size (6mm x 5mm x 4mm)                                                                                                                                                                                                                                                                                                               |
|        | 2                                 | 2125     |           |          |                                   |                   | at 2126-2127 a fine white ss w/ a granular layer<br>NOTE: 2-3% feldspars probably altered to clay                                                                                                                                                                                                                                                                                                                                                                                                                     |
|        |                                   | 2130     |           |          |                                   |                   | at 2130-2131: light green (white when dry) medium ss coated w/ light brown clay, white mica<br>at 2131-2132 - horizontal laminae - and clasts medium size light grey ss w/ poorly sorted granular size grains (max. 7mm x 3mm) - NOTE: how fine grains leads the bedding down                                                                                                                                                                                                                                         |
| 2132   |                                   |          |           |          |                                   |                   | at 2133-2134: unshaped horizontal burrows                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|        |                                   | 2135     |           |          |                                   |                   | 30°<br>5°                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|        | 1                                 | 2140     |           |          |                                   |                   | A greenish-grey fine ss (light in overall color) w/ white mica < 1µm<br>- note lithic fragments in some samples<br>- the samples contain (1-2%) white feldspar that appears to be altered to clay (or 2%)<br>- the ss is coated w/ auth. clay<br>- the rock is porous and soaks up water<br>- the rock is finely speckled w/ 10%-20% red iron-stained colored mineral (oxidized pyrite?)<br>- when you rub the ss - the sand grains pop out - poorly cemented, but better than 1020 at least the pieces hold together |
|        |                                   | 2145     |           |          |                                   |                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|        |                                   | 2150     |           |          |                                   |                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|        |                                   | 2155     |           |          |                                   |                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

== horizontal lamination  
 ~ irregular lamination  
 >>> x-bedding



MEASURED SECTION NO. Page 1021  
 LOCALITY Rock Creek Field  
 SETTING \_\_\_\_\_

DATE 5/3/91  
 STRATIGRAPHIC UNIT Big Taurus  
 MEASURED BY AV & RM

|      | SEDIMENTARY TEXTURES & STRUCTURES |           |           | INTERVAL | ROCK TYPE, CONTACTS & ACCESSORIES | TEXTURAL MATURITY |     | DESCRIPTIONS                                                                                                                                                                                                                                                                                                                                                          |
|------|-----------------------------------|-----------|-----------|----------|-----------------------------------|-------------------|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|      | GRAV                              | SAND      | SILT-CLAY |          |                                   | SUP               | SUB |                                                                                                                                                                                                                                                                                                                                                                       |
|      | 64 4                              | VCCM F VF | —         |          |                                   | MAT               | IM  |                                                                                                                                                                                                                                                                                                                                                                       |
| 2155 |                                   |           |           |          |                                   |                   |     | A greenish-grey fine ss w/ white mica (<1mm)<br>-some pieces in this interval contain up to 2% lithic fragments, while other intervals are<br>-note <1-2% white grains which may be feldspar<br>-the rock is fine, speckled w/ 1% red iron-stained color mineral (oxidized pyrite?)<br>-The ss is coated w/ auth. clay coatings<br>-The rock is porous soaks up water |
| 2160 |                                   |           |           |          |                                   |                   |     |                                                                                                                                                                                                                                                                                                                                                                       |
| 2165 |                                   |           |           |          |                                   |                   |     | 2165-2169 - A greenish grey almost fine ss (between very fine & fine) - coated w/ white clay<br>speckled w/ less 4% (<1mm diameter) red-iron stained color mineral (oxidized pyrite?)                                                                                                                                                                                 |
| 2170 |                                   |           |           |          |                                   |                   |     | A light reddish brown very fine ss<br>3/4 grains coated w/ clay coatings - very porous<br>A light green porous very fine ss<br>note: abundant white clay (?) coating grains<br>Porous soaks up water.                                                                                                                                                                 |
| 2175 |                                   |           |           |          |                                   |                   |     | at 2173-2174 - 2 pieces of very dark grey shale<br>F 2 pieces of light green grey very fine ss of same fine<br>A dark grey shale                                                                                                                                                                                                                                      |
| 2180 |                                   |           |           |          |                                   |                   |     | at 2176 & 2177 - two pieces - one a black shale<br>Dark green/dark grey very fine arg. ss<br>End of core cutting Set 2177                                                                                                                                                                                                                                             |

ss  
 site grains  
 Note: clay coatings around grains -  
 Very porous soaks like a sponge