

CORE + 3 1/2 = LOG

MEASURED SECTION NO. 87-2052
 LOCALITY E Lewis Pt. #1
 SETTING Rock Creek Field

DATE 2/21/92
 STRATIGRAPHIC UNIT Big Injun
 MEASURED BY RM & AV

ELEVATION	SEDIMENTARY TEXTURES & STRUCTURES			INTERVAL	ROCK TYPE, CONTACTS & ACCESSORIES	SUP MAT SUB IM	TEXTURAL M M M M	M M M M	DESCRIPTIONS		
	GRAV	SAND								SILT	CLAY
	64 4	VCC	M F VF							SILT	CLAY
2045									tan to lt. gray, strongly retexturized, dolomitic ooid-gtz grain packstone & interbedded gtz oolite: planar x beds & horizontal laminar marked by medium- to coarse gtz sand grains: horizontal stylolites common - NOTE: ss. intraclasts & pronounced red staining at unconform surface also erosional scour evident		
2050											
3									brownish gray, fine- to fine-gtz sandstone w/ faint horizontal laminas & sporadic iron staining: single grain layers of white, gtz pebbles & granules common in top 5' : 2057'2" - 2057'6" - gray green waxy, micaceous shale: 2060'6" - heavy iron stain may be sideritic: becomes massive down core w/ increasing amounts of pyrite in blebs & spherical nodules - .5cm diameter: rare trough bed at 2070'6"		
2055											
2057.5											
2060											
2065											
2069.5											
2070											
2075											
2080											

~ - stylolite
 o - ooids
 ● - intraclasts

Ⓢ - siderite
 Ⓟ - pyrite

∩ - trough xbeds
 // - planar xbeds
 = - horizontal bedding

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Interval	SEDIMENTARY TEXTURES & STRUCTURES			ROCK TYPE, CONTACTS & ACCESSORIES	TEXTURAL MATURITY	DESCRIPTIONS
	GRAV	SAND	SILT CLAY			
2080	64 4	VCCM FVF				light grey fine to very fine sandstone with very weak calcite cement (very light reaction to HCl). white mica occurs < 19s and is < 0.5 mm in diameter. speckled with iron-staining (siderite?) color dots < 0.5 mm in diameter. The core commonly has darker staining at the edges.
2085		vc				at 2087.8" we have a horizontal diagenetic front - red below - clay rich sedimentary horizontal layers above - note how grain size is the same above and below red layers
2090		vc				at 2089.9" two siderite diagenetic layers
2095						at 2097.2" we have a 1 to 1 1/2' siderite layer
2100						at 2098.10" - note layer of bivalve fossils at note the one bivalve is standing on the edge suggesting <u>fast</u> sediment deposition
						at 2085.7" note large pyrite mass (approx 1" x 1" x 1") w/ iron staining (limonite) edge
						at 2086' on under surface of sand we have tool marks and we have a 0 to 3/4" thick mud drape over the sandstone w/ tool marks into the mud.

o o o : a few scattered chert pebbles in a dominant matrix of very fine to fine ss
 ⊙ : siderite
 ~ : mud rip-up clasts
 = : horizontal layers
 ⊕ : pyrite
 vc - very weak calcite bedding

↑ sitting on edge