

MEASURED SECTION NO. 087-2067
 LOCALITY Pennzoil - Lewis #29
 SETTING _____

DATE 4/23/91
 STRATIGRAPHIC UNIT Big Injun
 MEASURED BY AV & RRC

	SEDIMENTARY TEXTURES & STRUCTURES			INTERVAL	ROCK TYPE, CONTACTS & ACCESSORIES	TEXTURAL MATURITY		DESCRIPTIONS
	GRAV	SAND	SILT CLAY			SUP	SUB	
	64 4	VCCM FVF	— —			IM	IM	
1930								Pale grey green - pinkish grey, fine- to fine-grained quartz ss: w/ thin micaceous partings & ripple scale x-bedding
		OS						Pale grey green - pinkish grey, fine-grained quartz ss - appears "dirty" under high magnification due to chert & heavy mineral grains - appears massive but actually has faint horizontal laminae that are marked by organic debris or clay: locally oil stained, or "mottled" with siderite blobs or carbonaceous streaks 2 cm. 5 cm in diameter - may indicate bioturbation
1935		OS	*					Rare, qtz (or qtz) pebble layers - single grain thick at high angle (>20°) to core: Oil staining appears to be associated w/ finer grain size: unit as a whole appears poorly cemented but finer material is more well indurated
		OS	SS					1943 - 1 mm diameter (pyrite?)
1940		OS	SS					1945' 6" - Horizontal burrow 3 w/ thin clay lining
		OS	*					
1945		OS	*					
		OS	*					
1950		OS	*					
		OS	*					
1955		OS	*					
		OS	*					
1960		OS	*					
		OS	*					
1965		OS	*					

Siderite "mottled"

* - organics
 S - Bioturbation S (weak) SS (moderate) SS (strong)
 OS - Oil stain
 ≡ - Horizontal lamination
 ~~~~~ Scour surface

MEASURED SECTION NO. 087-2067  
 LOCALITY Penner - Lewis #29  
 SETTING \_\_\_\_\_

DATE 4/23/91  
 STRATIGRAPHIC UNIT Big Lajun  
 MEASURED BY AV & RR

|      | SEDIMENTARY TEXTURES & STRUCTURES |          |           | INTERVAL | ROCK TYPE, CONTACTS & ACCESSORIES | TEXTURAL MATURITY | DESCRIPTIONS                                                                                                                                                                                                                                                                 |
|------|-----------------------------------|----------|-----------|----------|-----------------------------------|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|      | GRAV                              | SAND     | SILT CLAY |          |                                   |                   |                                                                                                                                                                                                                                                                              |
| 1965 | 64 4                              | VCCM FVF | ⊙         |          |                                   |                   | at 1965' 5" - one bre quartz pebble -                                                                                                                                                                                                                                        |
| 1970 |                                   |          | ⊙         |          |                                   |                   | grey-green - maroon vf. - fine qtz sandstone<br>faint horizontal laminae & rare layers of white qtz granules & sideritic rfs:<br>green/maroon boundaries are sharp but not necessarily horizontal → diagenetic effect from Fe-staining possibly controlled by grain size (?) |
| 1975 |                                   |          | ⊙         |          |                                   |                   | flattened<br>- 1976' sideritic rfs → 2cm length                                                                                                                                                                                                                              |
| 1980 |                                   |          |           |          |                                   |                   |                                                                                                                                                                                                                                                                              |