

192
192
A

Doddridge

MEASURED SECTION NO. 17-1410
 LOCALITY E H DOTSON #1
 SETTING Greenwood oil field

DATE 7/24/92
 STRATIGRAPHIC UNIT Big Lime, Keener, Big Injun
 MEASURED BY R M & AV

DEPTH	SEDIMENTARY TEXTURES & STRUCTURES			INTERVAL	ROCK TYPE, CONTACTS & ACCESSORIES	TEXTURAL MATURITY		DESCRIPTIONS		
	GRAV	SAND				SILT	CLAY		SUP	MAT
	64 4	VCCM	FVF							SUB
1915		⊗						2	black, fossiliferous micrite, very "foetid" when treated w/ acid, horizontal stylolites; stringer of black shale seen infrequently; at 1921'7" - impression of brachiopods also shell material & ostracod valves in cross-section	
1920								3		
1925								4		
1930								5		
1935								6		
1940								7	dk grey dolomitic w/ a black shale layer from 1935'1" - 1935'9": material appears bioturbated - nodules of coarse calcite xtals (→ 2cm diameter) occur sporadically	
1945								8		
1950								9		
1955								10		
1960								11	dk grey, qtz sand-grainstone w/ lots of calcite-coated qtz grains, crinoid columnals (poorly preserved) & ostracods - fossil material decreases down hole: upper contact appears scoured to a depth of ~ 5cm - grades into calcite-cemented medium qtz ss at base	
1965								12		
1970								13	lt. grey-mottled dk grey, weakly calcite cemented, fine- to med. qtz ss: heavily bioturbated at top below 1949' interbedded w/ dk grey siltstone	
1975								14	-flower bedding	

- stylolite
- ⊗ - calcareous fossils
- ⊕ - pyrite
- ⊖ - bioturbation
- ⊙ - calcite
- - ooid, coated grain
- ⊗⊗ - carbonate intercasts
- C - calc - calcite cement
- horizontal laminae
- flower bedding

Box 3
Box 4

Doddridge

MEASURED SECTION NO. 17-1410
 LOCALITY E H Dotson #1
 SETTING Greenwood oil field

DATE 7/24/92
 STRATIGRAPHIC UNIT Keener, Big Line, Big Injun
 MEASURED BY RM & AV

Box 15
Box 16
Box 17
Box 18
Box 19
Box 20
Box 21
Box 22
Box 23
Box 24
Box 25

Interval	SEDIMENTARY TEXTURES & STRUCTURES			INTERVAL	ROCK TYPE, CONTACTS & ACCESSORIES	TEXTURAL MATURITY	DESCRIPTIONS
	GRAV	SAND	SILT CLAY				
1950	64 4	VCCM FVF	SILT CLAY				increasingly fine grained down hole - interbedded siltstone & dk grey shale
1955			SILT CLAY				lt. grey & tan, dolomitic qtz sand - pocketone - sandy dolomite - algal laminae & laminated intraclasts - mats - not a stromatolitic head
1960			SILT CLAY				lt grey, calcite-cemented, poorly sorted m-fine qtz ss - mottled appearance suggests bioturbation - no visible bedding until just above scoured base - ripple & beds
1965			SILT CLAY				dk grey, dolomitic w/ common horizontal stylolites, rare fractures healed w/ coarse calcite cement - may be oil stained
1970			SILT CLAY				dk grey, sugrosic dolomite w/ moldic porosity after brachiopod fragments & ooids - minor pyrite in voids w/ some qtz sand grains - weak horizontal laminae
1975			SILT CLAY				1962'7' - nice mold of rugose coral
1980			SILT CLAY				~1977' - possible algal laminae - crenulated but discontinuous
1985			SILT CLAY				dk grey - brownish grey dolomite w/ horizontal stylolites & black shale laminae
			SILT CLAY				light tan dolomitic qtz sand (course of a few granules to fine) grainstone. The dolomite grains are clay size w/ lots of crushed qtz-grains (90%) and only 10% dolomite
			SILT CLAY				see next page for Box Description

< - weak bioturbation
 ss - moderate "
 sss - strong "
 vsss - very strong "
 = - horizontal bedding

10° - planar inclined bedding
 ↘ - trough x-beds
 ~ - flex bedding
 ~ - ripples

sss - algal laminae
 ↑ - fluid escape
 ~ - stylolites

MISSING Core

brachiopod

Rugose coral

ccc

SSR

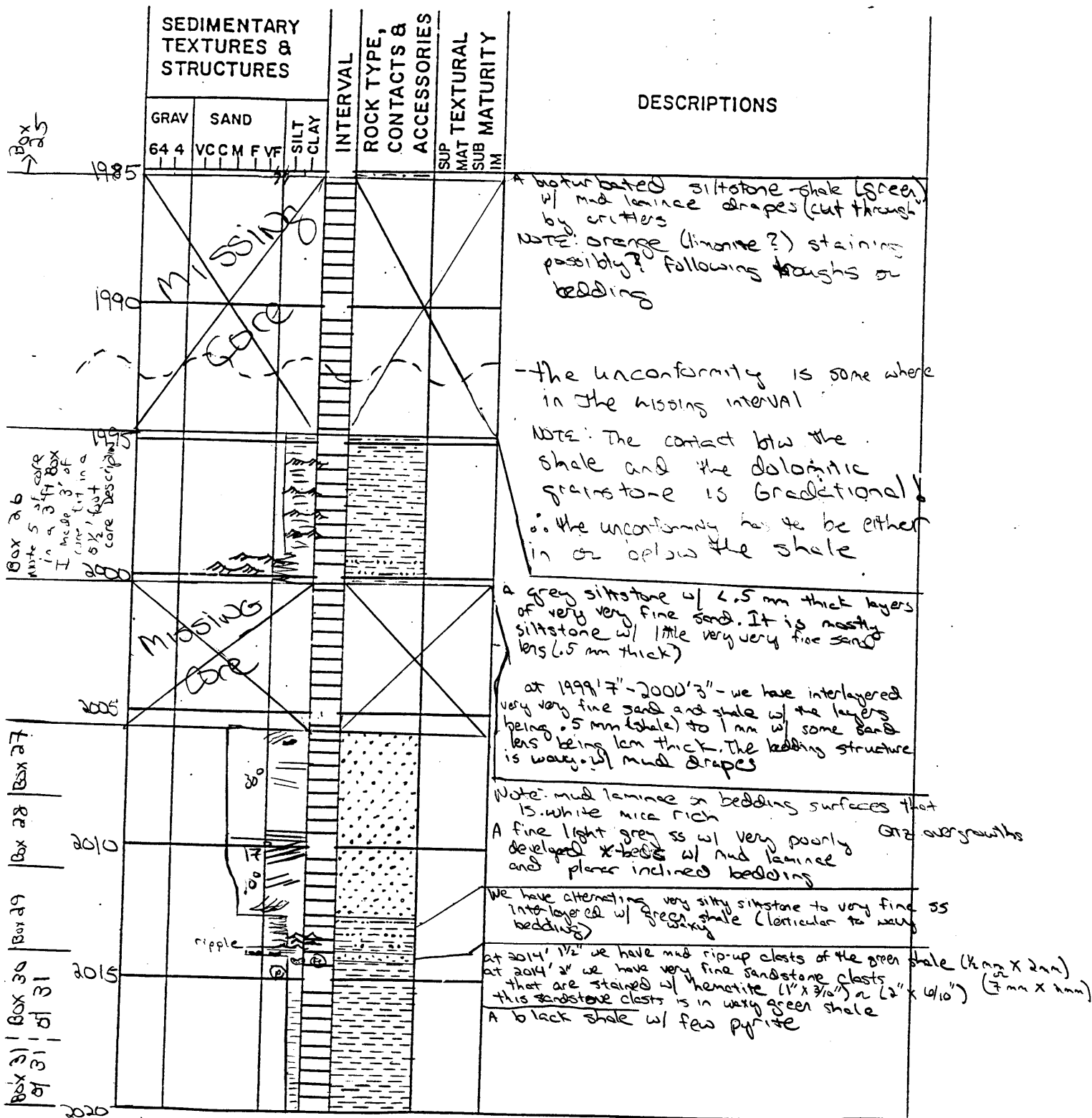
←

98
of 4

Doddridge

MEASURED SECTION NO. 17-1410
 LOCALITY F H Dotson #1
 SETTING Greenwood oil field

DATE 7/24/92
 STRATIGRAPHIC UNIT Big Line, Keefer, B5 Igou
 MEASURED BY RM & AV



Box 25
Box 26
Box 27
Box 28
Box 29
Box 30
Box 31
Box 32
Box 33
Box 34
Box 35
Box 36
Box 37
Box 38
Box 39
Box 40
Box 41
Box 42
Box 43
Box 44
Box 45
Box 46
Box 47
Box 48
Box 49
Box 50
Box 51
Box 52
Box 53
Box 54
Box 55
Box 56
Box 57
Box 58
Box 59
Box 60
Box 61
Box 62
Box 63
Box 64
Box 65
Box 66
Box 67
Box 68
Box 69
Box 70
Box 71
Box 72
Box 73
Box 74
Box 75
Box 76
Box 77
Box 78
Box 79
Box 80
Box 81
Box 82
Box 83
Box 84
Box 85
Box 86
Box 87
Box 88
Box 89
Box 90
Box 91
Box 92
Box 93
Box 94
Box 95
Box 96
Box 97
Box 98
Box 99
Box 100

- ⊕ - pyrite
- ≡ - horizontal bedding
- ~ - ripples
- ↖ - trough x-beds
- ⊙ - sandstone clasts
- ⊙ (Fe) - sandstone clasts stained w/ hematite
- - mud rip-up clasts
- 12° ≡ - planar inclined bedding w/ slope
- ≡ - crossbedding
- ↔ - weak bioturbation
- SS - moderate
- SSS - strong
- ↖ - ripple scale x-bedding (climbing ripples)