

RW-6 P1 of 4

426 WEL 1455 SW/4
21 265 21E Allen Co Kansas
7/28/93
AWA waltun
COMMENTS

STRATIGRAPHY	UNIT #	UNIT THICKNESS	COLOR	DIAGENESIS (cement, mineral alterations)	GRAIN SIZE											SEDIMENTARY STRUCTURES SCALE & PALEOCURRENTS	LITHOLOGY AND OUTCROP	COMMENTS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
					φ	ρ	g	b	c	d	e	f	g	h	i				j																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
680	ca 640.5																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															

* This is called B₃, not C, because it is too thick to be C if lt blue marl is not removed by erosion.

Page 2 of 9
RW-6

660	STRATIGRAPHY	UNIT #	UNIT THICKNESS	COLOR	DIAGENESIS (cement, mineral alterations)	GRAIN SIZE											SEDIMENTARY STRUCTURES SCALE & PALEOCURRENTS	LITHOLOGY AND OUTCROP	COMMENTS	
						φ	ρ	g	c	b	g	p	v	c	s	m	s			
660.5				tan, silty																Sandstone & shale, laminated some ripple in ss. in some lower upper part deformed.
				tan, silty																Shale, lt gray, core breaks brittle w. smooth surfaces. vt. ss @ 663.
663.7				tan, silty																ss grading into zs. tan to red gray.
664.05				tan, silty																Shale, breaks rocky along, with sp. in laminar, linear, & burrow filled of white silt. Shale - med gray
665.5				tan, silty																Sandstone, vt. consolidated and in bedding, silty. Tan clay subtle chert at base
667.1				tan, silty																ss. vt. laminated, plant debris & mica in laminar
667.2				tan, silty																shale, lt gray silt laminar (sp. rare) med ss. vt. laminated or block, plant and define bedding surfaces.
667.45				tan, silty																Shale, silt laminar & burrow fillings, med gray
668.8				tan, silty																Sandstone, plant fragments and fossils define bedding surfaces. Tan
670				tan, silty																Shale, vt. or of Sandstone, crossbedded in places, dark brown to brown.
670.1				tan, silty																
675.5				tan, silty																Base of B2 sand (?) Sandstone, vt. laminated with plant debris and mica Several rippled intervals
679.				tan, silty																Shale, dark gray, blocky with silt burrow fill of laminar at top.
680				tan, silty																

P 3 of 4
RW-6

640	STRATIGRAPHY	UNIT #	UNIT THICKNESS	COLOR	DIAGENESIS (cement, mineral alterations)	GRAIN SIZE										SEDIMENTARY STRUCTURES SCALE & PALEOCURRENTS	LITHOLOGY AND OUTCROP	COMMENTS
						φ	p	g	c & b	q & p	v c s	m s	f s	v f s	z			
640																		Shale, intensely mottled. siderite in lower part siderite in upper part.
643.3																		Shale interlaminated mud and light gray - Sparingly to intensely mottled, with birds' foot siderite in mottles, including possible pyroretic.
648.4																		Shale, medium gray, laminated birds' foot siderite in diagonal fracture (claystone) Shale laminated with clay filled diagonal fracture, dark gray
649.9																		Shale (clay shale) fissile, pyritic, v. dark gray
650																		C.A. shale streaked, mud gray at base (w. birds' foot siderite) to sparse luster ~ 650.7 - 651.4 to more luster ~ 650.1 ss - of ssat; sparse luster.
652.5																		SS, ss & silt, laminated or rippled - wavy & lenticular bedded.
653.3																		Shale, brown brown fills lenses, & luster of silt. deformed just below 654
655.4																		SS, rippled or laminated v.f. streaked shale, close laminae of silt (+ white) in gray or brown shale - lenses of silt, small burrows.
656.6																		Fu. lgt below Fu. lense or rippled ss to gray shale. lens defined by ss - shale changes v. abruptly
657.9																		Interbedded shale & laminated shale & silt with py. Some burrows in silt
658.4																		Shale, mud gray, silt lenses laminar & burrows in upper part.

