

NWG Treusdell 11-05

4/84/

Sample Number	Described by: Steinhart		Bed Number	Unit Name	Features	<table border="1"> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> </table>										County/State <u>Rice, KS</u>
Date: <u>10/11/1997</u>		Measured section	ft.	10 cm	No.	Stratigraphic Description	Section <u>11</u> , T. <u>20S</u> , R. <u>8W</u>									
							Remarks: <u>SE SE NW</u>									

3192							
3193							
3194							
3195							
3196							
3197							
3198							

TOP Cored Interval
 Silty to
 Shaly green wackstone
 red shale
 (maroon)
 Shaly green pack/wackstone
 chert clasts.
 silty shale - red-maroon

40 of 41

Sample Number	Described by:		Bed Number	Unit Name	Features	County/State _____ Section _____ T. _____ R. _____ Remarks:
	ft.	10 cm				
		Measured section				
						No. Stratigraphic Description
3198						
3199						
3200						Silt stone red & green some burrowed - mostly tubble
3201						
3202						
3203						
3204						

39A41

Sample Number	Described by:		Bed Number	Unit Name	Features	<table border="1"> <tr><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td></tr> </table>																	County/State _____
Date: __/__/19__						Section _____ T. _____ R. _____																	
ft.	10 cm	Measured section				Remarks:																	
						No.	Stratigraphic Description																
3204							Siltstone																
05																							
06																							
07							Red bed congl.																
08							Red siltstone																
09							Red bed congl.																
3210							Siltstone ? Palao soil																

38 d41

Sample Number	Described by:		Bed Number	Unit Name	Features	<table border="1"> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </table>																	County/State _____
Date: __/__/19__		Measured section	ft.	10 cm	No.	Stratigraphic Description	Section ____, T. ____, R. ____																
Remarks:																							

3210		<p>Rubble ? paleo soil</p> <p>Red bed congl.</p> <p>Clast supported</p> <p>Red bed Congl. chert and ss Clasts up to 30mm across Clast supported</p> <p>Reddish shale</p>
11		
12		
13		
14		
15		

3216

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Sample Number	Described by:		Bed Number	Unit Name	Features	County/State _____ Section _____ T. _____ R. _____ Remarks:
	Date: __ / __ / 19__					
	ft.	10 cm				
	Measured section					
						No. Stratigraphic Description
32	16					Grey green shale
32	17					
	18					
	19					Red Bed Rubble Same as below
	20					
	21					
	22					

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Sample Number	Described by:		Bed Number	Unit Name	Features	<table border="1"><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr></table>										County/State _____
Date: ___ / ___ / 19__						Section _____ T. _____ R. _____										
ft.	$\frac{10}{\text{cm}}$	Measured section				Remarks:										
						No.	Stratigraphic Description									
						<p>Red Rubble Same as below</p>										


35 & 41

Sample Number	Described by:		Bed Number	Unit Name	Features	County/State _____ Section _____, T. _____, R. _____ Remarks:
	ft.	10 cm				
		Measured section				
						No. Stratigraphic Description
28						
29						
30						Red bed Rubble
31						Same as below
32						
33						
34						

NNG 11-05 Tvesdell

33 of 41

Sample Number	Described by: <u>Steinhaufl</u>		Bed Number	Unit Name	Features	County/State <u>Rice Co</u>
	Date: <u>10/13/1997</u>					
ft.	10 cm	Measured section				Remarks:
						No.
						Stratigraphic Description
3240				Band		red siliciclastic Congl. - matrix siltstone
41				mud		"Slickensides" like surface
42				wack/blk		Rubble red carbonate
43				blk/blk		
44				blk/blk		Dark Green shale ? Simpson
45				blk/blk		lt. Green shale Pel. Pack/wack
					w/p	Pel wack matrix
					w/p	
3246						

Sauk / 
 Renn.
 unconf.

NVG 11-05 Truesdell

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Sample Number	Described by: Steinhauff		Bed Number	Unit Name	Features	County/State Rice Co.	
	Date: 10/13/1997						Section 11, T. 20, R. 8W
ft.	10 cm	Measured section	Remarks:				
						No.	Stratigraphic Description
				Beakst			
				Med			
				Wack/Pack			
				Pack/Gr			
				Siltst			
46					w/p		alternating laminae Peloid packst/wackst
					P		Pack Stone
					P		Grainst. moldic
					P		Bedded
47							
					P		Packst
48					w/p		Intercalated laminae and wackstone
					w/p		Packst
					P		Shaly Grainst. (? Shale fills moldic pores)
49							? x-bedded
					P/G		Pack/Grain-moldic
					P/G		no apparent contact mostly Packstone
					P		
					P		
					P		Green shaly carbam "on top packst/grst"
50							
					P/G		
					P/G		
51							
52							

m

m

Is this "Fill?"

32

3251

31

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31
08
41

Sample Number	Described by: Steinhilff		Bed Number	Features				County/State Rice, Co KS
	ft	10 cm		Unit Name	Pack	Grain	Silic	
Date: ___/___/1997			Measured section		Remarks:			
No.	Stratigraphic Description							
32 52			X					Algal Pel. Pack/wack
			X					Algal Pel. Pack/wack
32 53								Drusy cont filled vugs Pel. wack
32 54					W/P			Pel. wack/Pack
					W/P			Green shale fill
32 55					w/p			Bedded Peloidal Pack/wack
					w/p			Pack/grainst beds (lenses) w/ large ~ 1mm across round allothems. some che- -filled
32 56					P/K			Drusy cont filled vugs
					P/K	X		modst. mot text
					T w/P			Pel. wack/Pack
					T w/P			Fen. modst
32 57					w/p			Packstone lit with midstone
					w/p			? grainless lenses
32 58					P			

3253
7/30

3256

F

NMB #1-05 Truesdell

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41

Sample Number	Described by: Steinhauff		Bed Number	Unit Name	Features	No.	Stratigraphic Description
	Date: ___/___/1997						
	ft.	10 cm					
	Measured section						
m F	3258		T	Boundst Mud Wack / Pack Pack Grain Silice	P		Green shale / Pack middle porosity ? Thrombolite
	59						Green shale
FV	3200		m	cup			wack/mudst.
	61		m				Green shale algal - pel pack/wack matrix Sheet wgs
V	3262		m				Green Shaly Carbonate
	63		m				Pel wackstone lam. to bedded Some proturbation
	3264		m				mudstone laminated

D 3262
28

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Sample Number	Described by:		Bed Number	Unit Name	Features				County/State	Section	T.	R.	Remarks:		
	Steinhauff				No.	Stratigraphic Description	w/p	p						g	s
	ft.	10 cm													
3288			R					X	?Renalis-like structures pebbled wackstone						
3289			R					X	Pel wack/pack lam. to bedded ?Renalis Bandstone						
3290															
3291															
3292								X							
3293			333					X	Green shale Green shale nodstone Pack/gran. ?algal Fen mudstone mudst. congl w/ rud clasts						
3294															

3292
↑
(23)

NNG #1-05 Truesdell

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Entire interval is ~~carbonate~~
 stains red for calcite is this P. 11?

Sample Number	Described by: Steinhauff		Bed Number	Unit Name	Features		County/State Rice, Co KS
	ft.	10 cm			Measured section		
							Remarks:
							No.
							Stratigraphic Description
3306							Green shale Pel pack
3307							Pel. Pack breccia - reddish
3308							Green clay Pel pack
3309							Bedded Pel pack - reddish Green clay Coarse spar. filled vug
3310							Green clay Pel Pack reddish Pel Pack - reddish
3311							Pel Pack - reddish oncolite bearing w/pack/pack spar filled vug
3312							Pel pack - pink

9306
 D
 2

NMG ~~11~~-05 Truesdell

19 241

Sample Number	Described by:		Bed Number	Features				County/State	Section	T.	R.	Remarks:
	Steinbauff			Unit Name	Pack	Grain						
	ft.	10 cm	Measured section									
3324				Bandst								
3325				Mud								
3326				Wack								
3327				Pack								
3328				Silt								
3329												
3330												

No.	Stratigraphic Description
	Pel Pack/wack ? Fract Fill
	rock clasts Mudstone Pel Pack
	shale fill ?ool & gr. stone clasts
	Green Shale Congl Pyrite Shale matrix -rich zone
	Gr Shale breccia/congl
	Congl. mud clasts Green shale in matrix
	Pel Pack

3328

19

F

Sample Number	Described by:		Bed Number	Features				County/State	Section	T.	R.	SW	Remarks:	
	Steinhilff			Unit Name	Pack	Grain								Rice, Co KS
	ft.	10 cm	Measured section											
							No.	Stratigraphic Description						
	33	30		Boundst	Mud	Pack			Green shale					
								Cave						
	33	31					P	mud text						
							P	Pel Pack ?						
	33	32						Green shale in matrix						
								mud st w/ mud text.						
	33	33						Pack/Gr. lones						
								Late Clay-fill						
	33	34						Curly mud clasts						
								Curly w/ Green shale in matrix						
								Fract. fill						
	33	35					P	Pel Pk						
							G	Pel G						
	33	36						Gr. shale						
							P	Pel Pk/Gr						

3332.2

7/18

Facts

NMB ~~11~~-05 Truesdell

Sample Number	Described by: Steinhauff		Bed Number	Unit Name	Features			County/State Rice, Co KS Section 11 T. 20 R. 8W Remarks:
	Date: ___/___/1997				No.	Stratigraphic Description		
	ft.	10 cm					Bandst	
33 30								Green shale
33 31					P			mud text
33 32					P			Bl Pack ?
33 33								Green shale in matrix
33 34								mud st w/ mud text. Pack/Gr. lenses
33 35								Late Clay-fill
33 36								Contg mud clasts
								Contg w/ Green shale in matrix
								Fract fill
					P			Pel Pk
					G			Pel Gc
								Gr. shale

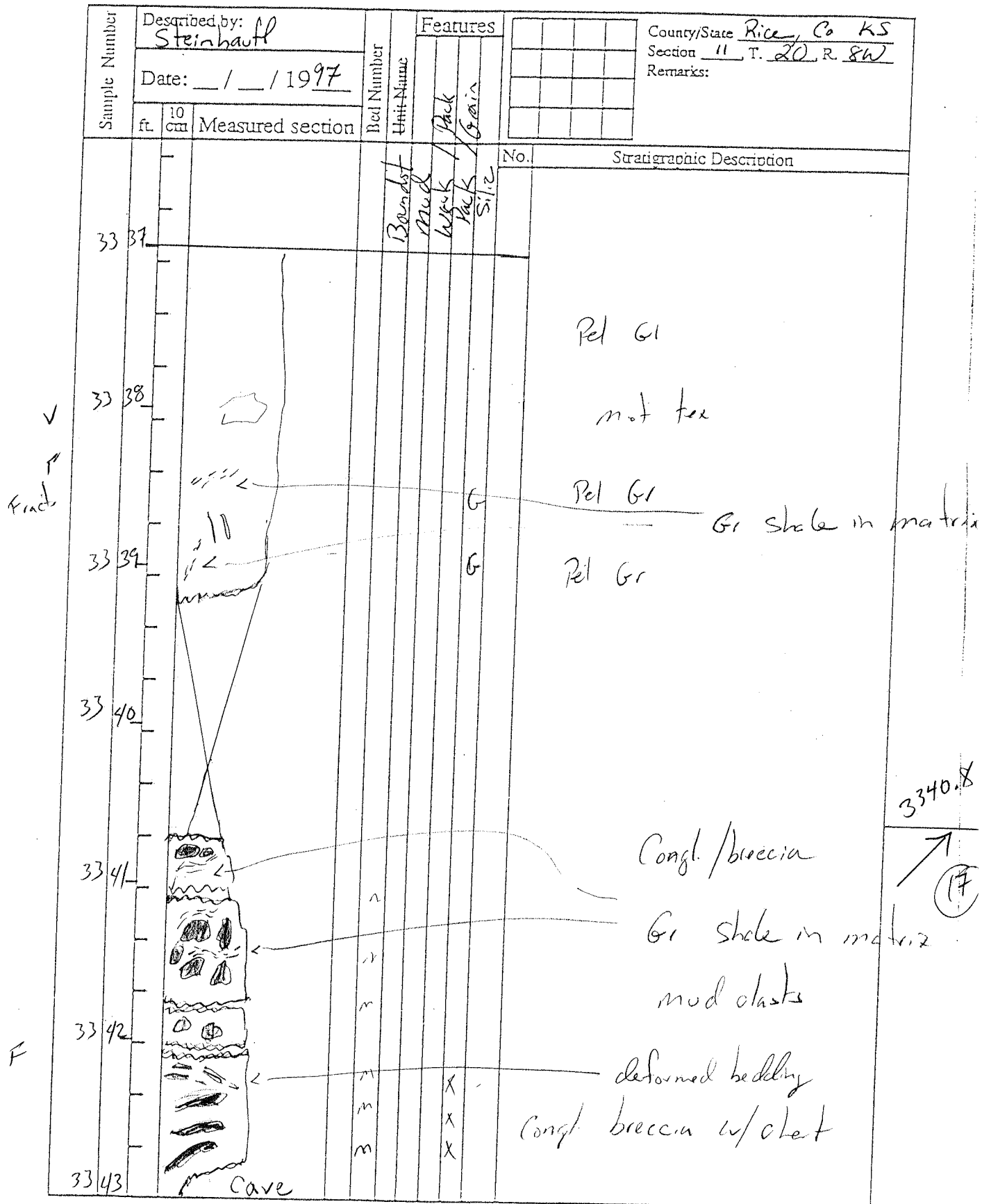
Fract

3332.2

(18)

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Sample Number	Described by: Steinhauff		Bed Number	Features			Country/State <u>Rice, Co KS</u>
	ft.	10 cm		Unit Name	Pack	Grain	
Date: ___/___/1997		Measured section					Remarks:
3343				Boundst			
				Mud			
				W/ck			
				Pack			
				Silic			
							No. Stratigraphic Description
3344							? Pack/Gr
3345							P/G
							Pack/Grain
							↑ Grades
3346							Pel Grain
3347							↑ matrix
							Grades to Pel Grain
							Green Shale in matrix
3348							Pel Pack -
3349							

F

D 3348
↑
(16)

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Sample Number	Described by: Steinhauff		Bed Number	Unit Name	Features				County/State Rice, Co KS
	ft.	10 cm			Measured section	Pack	Grain	No.	
									Section 11, T. 20, R. 8W
									Remarks:
3349									? Pel Pack
									Green shale
3350									? Pel Pack
3351			m						Green Shaly Carbonate
3352			m						
3353			m						lam mud grades into congl. / into fine $\frac{1}{2}$ "
3354									Intex Km Congl. ? 11 -pack
3355									

335

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Sample Number	Described by: Steinhauff		Bed Number	Features				Country/State Rice, Co KS
	ft.	10 cm		Unit Name	Pack	Grain	Remarks:	
	Date: ___/___/1997						Section 11, T. 20, R. 8W	
	Measured section							
			Bandst	Pack	Grain	No.	Stratigraphic Description	
3355							Green Shale w/ chert breccia / congl.	
3356				P			↑ Grades into pel pack/wacke	
3357				P			Shale - ? dep.	
3358				P			Chert breccia	
3359				P			Chert breccia	
3360				P			Thrombolite facies Pel. Pack	
3361				P			Green Shale along contact	

large
Vert
fract

D
3358
14

NMB #1-05 Truesdell

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Sample Number	Described by: Steinhauff		Bed Number	Unit Name	Features		County/State Rice Co KS	Section 11 T. 20 R. 8W	Remarks:
	ft.	10 cm			Pack	Grain			
Date: ___/___/1997		Measured section			No.	Stratigraphic Description			
3373			W	M					fen m/dst oncoid bearing Stromat
3374			W	M					oncoid wackst Pack mot text
3375					PW				Pack/wack w/ chert nods.
3376									
3377					PW				Pel wack
3378			m	m					Pel wack - "chalky"
3379			m	m					Boturb mudst fenestral mudst

3378.
↑

Troxell

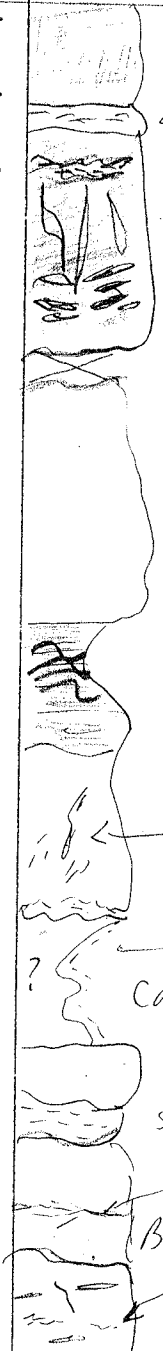
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Sample Number	Described by:		Bed Number	Unit Name	Features				County/State _____ Section _____ T. _____ R. _____ Remarks:
	ft.	10 cm			measured section	m d	lens/bed	part of	
34 03				m					shaly w/ chert
34 04				m	mpeconium				Congl. to brecciated complex fract. fill mudst matrix, mud clasts
34 05				m	w				Pel. wack B mudst
34 06				m					Algal laminae
34 07				w					Shale in matrix
				w					green shale
34 08				w					Pel wack
34 09				w					Pel. wack shale
34 10				w					Pel. wack shale
34 11				w					Pel. wack Fracture

3404.
↑
⑨

3408.
⑧

VF
VF
F



Tvesdell

Sample Number	Described by: Stein		Bed Number	Unit Name Band				Features	County/State _____ Section _____ T. _____ R. _____ Remarks:
	ft.	10 cm		Measured section	Mod	Wack/P	Dark/Lgr		
34 09					w				Rel. wackstone
34 10				m					Fract. mudst.
34 11				m					? chert after Evaps
34 11				m	wf				wack/mod - Pak lenes
34 12					wf				wackst. w/ gr. lenes
34 12					wf			X	fract. ? wack
34 13					w				fract. wack/mod
34 14					w				fract.
34 14					shale				
34 14					core				
34 15				m					mod. moll.

? 3410
↑ (7)

3411
↑ (6)

3412.8
↑ (5)

F

Truesdell

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Sample Number	Described by: Stein		Bed Number	Unit Name	Features				County/State _____ Section _____ T. _____ R. _____ Remarks:																	
	Date: 10/2/1997				mud	w/blk	blk/gr	Silice		<table border="1"> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </table>																
ft.	10 cm	Measured section																								
					No.	Stratigraphic Description																				
F F F F	34 15		2	w	w	w	w	w	Pel. wack	3416 ↑ (4)																
	34 16								Shale lam. - green																	
	34 17								Algal ?																	
	34 17								Pel. wack																	
	34 17								Marginal thrombolite facies																	
F F	34 18	Cave?	?	w	w	w	w	w	Pack/wack - clothed?	3419.8 ↑ (3)																
	34 19	Gap		w	w	w	w	w	Int. fm congl.																	
V	34 20	Gap		w	w	w	w	w	Pel. wack mudst.	shale fill Pel. wack st. Pel wack																
	34 20			w	w	w	w	w																		
	34 21		B																							

Truesdell

Sample Number	Described by Steinhilf		Bed Number	Unit Name B	Features				County/State <u>Rice, KS</u> Section ____ T. ____ R. ____ Remarks:	
	ft.	10 cm			Mud/w	s/Pack	Pebbles	S.I.		
										Measured section
									No.	Stratigraphic Description
	3427									
m										
	3428									
v F										
	3429									
F										
	3430									
	3431									
f										
	3432									
	33									

m

v F

F

f

vert frags

3428.
↗ (2)

3427

3428

3429

3430

3431

3432

33

? cave

shale

cave

shale

cave-shale

shale

shale

P

w/p
w/p
w/p

Z

w/p
w/p
w/p

w/p

w/p

w/p
w/p

w/p

w

m

lam. pack st.
moldic

lam. pel. wack

Thromb - clothed
? algal - wack

Pel wack

Pel wack

Pel. wack

Pel. wack

Pel. wack
mud st. vert frags

Pel. wack

mudst, lam. st.

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C766

Trues dell

Sample Number	Described by: <u>Stenhardt</u>		Bed Number	Unit Name <u>Bound</u>	Features				County/State <u>Rice, KS</u>	Section <u>11 T. 20 S. R. 8 W</u>	Remarks: <u>S1E S1E NW</u>		
	ft.	10 cm			Measured section	m-d/pack	Wacke/Pack	Dol. / Sil.				Silic. / Sil.	
No.											Stratigraphic Description		
VF	34	33										m	midstone vet fract mat. text
												P	Rel Pack
v	34	34										P	Rel. Pack
m												C	
m	34	35										G	shale
v	34	36										P	Rel. Pack
m												G	clay
												G	
m	34	37										G	Grain/Pack with green shale stringers
												G	
												G	Grainstone/Pack - laminated
m	34	38										G	Grainstone/Packstone
v												G	

3435.1
↑
①

Note bottom described from rock slab

Bottom of core