

SYMBOL	MEMBER	DESCRIPTION	THICKNESS
102	CROUSE LIMESTONE	102R Shaly limestone, white, platy.*	7.4'±
		102AR Shaly limestone, light gray, platy, impure.*	0.5'±
		102BR Shaly limestone, buff, platy, contains local shale zones.	9.2'±
		103R Limestone, gray, weathers brown, blocky, somewhat massive.	4.1'±
		103AR Limestone, light gray, weathers brown, dense, blocky.	1.4'±
			11.1'-11.5'±
104-110	EASLY CREEK SHALE	104R Shale, dark gray, platy.*	1.9'±
		104AR Shale, dark gray, platy.*	1.9'±
		105R Shale, dark blue-gray, platy.*	5.1'±
		105AR Shale, dark blue-gray, platy.*	5.1'±
		106R Shale, black, platy.*	1.6'±
		106AR Shale, black, platy.*	1.6'±
		107R Shaly limestone, fossiliferous.	0.4'±
		107AR Limestone, gray, blocky, horizontal partings in center.	1.7'±
		108R Limestone, light gray, blocky.	1.3'±
		108AR Shaly limestone, gray-green, blocky.	1.0'±
		108BR Shale, green, blocky.*	0.3'±
		108CR Shaly limestone, gray-green, blocky.	0.4'±
		109R Shale, green, blocky.*	3.4'±
		109AR Shale, light gray, blocky.*	2.3'±
		109BR Shale, maroon, blocky, limy.*	1.0'±
109CR Shale, green, blocky.*	0.4'±		
109DR Shale, light gray, limy.*	0.1'±		
110R Shale, maroon and green, blocky.*	11.5'±		
110AR Shale, maroon, blocky.*	5.2'±		
110BR Shale, green, blocky.*	1.7'±		
110CR Limestone, blocky, dense.	0.2'±		
110DR Shale, gray-black, weathers tan, platy.*	0.5'±		
			23.4'-25.2'±
111-113	MIDDLEBURG LIMESTONE	111R Limestone, light gray, blocky.	0.9'±
		112R Shale, green, blocky.*	0.4'±
		113R Limestone, light gray, blocky, has several horizontal partings.	2.8'±
		113AR Limestone, light gray, blocky, shaly, weathers platy.	2.7'-4.1'±
114-118	HOOSER SHALE	114R Shale, green, blocky.*	3.7'±
		114AR Shale, gray-black, platy.*	2.8'±
		115R Shale, dark green, limy.*	0.3'±
		115AR Shaly limestone, gray.	0.3'±
		116R Shaly limestone, white, lenticular.	0.2'±
		117R Shale, green, blocky.*	0.5'±
		117AR Shale, gray-green, blocky.*	0.6'±
		118R Shale, maroon, blocky.*	2.4'±
		118AR Limy shale, light green, blocky, limy.*	1.3'±
		118BR Shale, green, blocky.*	1.3'±
		118CR Limy shale, light gray.*	0.4'±
		119R Shale, green, blocky.*	3.2'±
		119AR Shale, green, blocky.*	0.9'±
		119BR Shale, maroon, blocky.*	2.0'±
		119CR Shale, green, blocky.*	2.1'±
			9.6'-10.4'±
120-122	EISS LIMESTONE	120R Limestone, light gray, blocky.	2.0'±
		120AR Limestone, light gray, weathers tan, cellular and granular, blocky.	2.7'±
		121R Limestone, light brown, impure, nodular.	0.2'±
		121AR Limestone, brown, secondary, cellular.	1.3'±
		122R Shale, green, limy, blocky.*	1.2'±
		122AR Shale, green, blocky.*	0.8'±
		123R Limestone, light gray, blocky.	2.4'±
		123AR Limestone, light gray, shaly, blocky.	1.0'±
			5.8'-6.5'±
124-128	STEARNS SHALE	124R Shale, gray, weathers green, limy, blocky.*	3.7'±
		125R Shale, gray, platy.*	2.8'±
		125AR Shale, green, blocky.*	4.0'±
		125BR Shale, gray, platy.*	3.9'±
		125CR Shale, black, platy.*	3.8'±
		126R Shale, black, platy.*	1.2'±
		127R Shale, dark green, blocky.*	1.3'±
		128R Limestone, white, shaly, nodular.	0.5'±
		128AR Limestone, light gray, blocky, two horizontal partings.	1.1'±
		128BR Shale, dark green, limy, blocky.*	1.0'±
		128CR Shale, gray mottled with green, limy, has irregular partings.*	0.5'±
		129R Shale, light to dark green, blocky.*	3.9'±
		129AR Shale, green, blocky.*	0.7'±
		129BR Shale, maroon, blocky.*	0.6'±
		129CR Shale, gray-green, blocky.*	1.9'±
			13.4'-17.5'±
130-134	COTTONWOOD LIMESTONE	130R Limestone, light gray, blocky, contains three horizontal partings.	2.8'±
		130AR Limestone, light gray, blocky, dense.	1.0'±
		130BR Shale, light green, platy.*	1.4'±
		130CR Limestone, brown, impure, blocky.	0.3'±
		130R Shale, buff, limy, blocky.*	1.5'±
		130R Limestone, brown, impure, blocky.	0.7'±
		131R Shale, gray-green, blocky.*	2.7'±
		131AR Shale, light gray, blocky.*	1.5'±
		132R Shale, blue-gray, limy, platy.*	2.0'±
		132AR Shale, light green, weathers brown, blocky, limy.*	0.3'±
		132BR Shale, green, blocky, limy.*	1.5'±
		133R Shale, blue-gray, platy.*	2.7'±
		133AR Shale, gray, blocky.*	1.7'±
		133BR Shale, brown, fossiliferous.*	0.2'±
		133CR Shale, light green, platy.*	1.0'±
			0.2'-7.4'±

SYMBOL	MEMBER	DESCRIPTION	THICKNESS		
134	COTTONWOOD LIMESTONE	134R Limestone, light gray, shaly, blocky.	0.3'±		
		135R Limestone, light gray, blocky, several horizontal partings, fossiliferous.	7.3'±		
			7.6'±		
136-149	ESKRIDGE SHALE	136R Shale, bright green, blocky.*	2.9'±		
		137R Shale, green, blocky, limy.*	2.9'±		
		138R Shale, pale maroon, blocky, limy.*	0.3'±		
		139R Shale, light green, blocky, limy.*	1.1'±		
		140R Shale, gray-green, blocky, limy.*	2.0'±		
		141R Shale, dark gray, blocky, limy.*	1.6'±		
		142R Shale, maroon, blocky, limy.*	3.1'±		
				143R Shale, green, blocky.*	3.3'±
				144R Limestone, light green, shaly, platy.	0.8'±
				145R Limestone, cream colored, with brown streak, blocky.	0.6'±
				146R Shale, green with dark green bands, blocky, limy.*	2.4'±
				147R Shale, maroon, blocky, limy.*	2.5'±
				148R Shale, green, blocky, limy.*	1.0'±
				149R Limestone, white, blocky.	1.1'±
				150R Shale, green, limy, nearly limestone, blocky.*	4.6'±
151-154	NEVA LIMESTONE	151R Limestone, buff, blocky, contains several horizontal partings and impure lensing zones.	4.4'±		
		152R Shale, light green, limy, blocky.*	0.4'±		
		153R Limestone, brown, impure, honey-combed.	3.1'±		
		154R Limestone, brown, blocky, impure, solution pitted.	2.2'±		
		155R Shale, green, platy.*	1.6'±		
		156R Limestone, light gray, blocky.	0.6'±		
			18.0'±		
157-161	SALEM POINT SHALE	157R Shale, green, blocky.*	3.1'±		
		158R Shale, dark green, very platy.*	0.8'±		
		159R Limestone, white, shaly, chalky, blocky, lenticular.	1.9'±		
		160R Shale, dark green, very platy.*	0.3'±		
		161R Shale, green, blocky.*	3.2'±		
			9.3'±		
162-164	BURR LIMESTONE	162R Limestone, light gray, blocky.	4.0'±		
		163R Shale, black, very platy.*	1.4'±		
		164R Limestone, light gray, blocky.	2.3'±		
			7.7'±		
165-166	LEGION SHALE	165R Shale, green, platy.*	1.4'±		
		166R Shale, blue-gray, platy.*	0.7'±		
167	SALLYARDS LS.	167R Shale, gray-green, platy.*	2.1'±		
			4.2'±		
168	ROCA SHALE	168R Limestone, light gray, blocky.	1.4'±		
		169R Shale, vari-colored, usually blocky, limy.*	10.1'±		
			10'±		

GEOLOGICAL COLUMNAR SECTION  
 Scale 1" = 5'  
 \* Common where weathered (See Cross Sections.)

3				
2				
1				
NO.	DATE	REVISIONS	BY	APP'D

STATE HIGHWAY COMMISSION OF KANSAS  
 GEOLOGICAL  
 PLAN AND PROFILE  
 POTTAWATOMIE COUNTY  
 PROJ. 13-75-S 311 (3)

SHEET NO. 1 OF 1	SCALE	APP'D	
DESIGNED	DETAILED	QUANTITIES	TRACED
DESIGN CK.	DETAIL CK.	QUAN. CK.	TRACE CK.