

SYMBOL	MEMBER	DESCRIPTION	THICKNESS	
1	SOIL MANTLE	1C Topsoil: Silty clay, gray-brown, contains chert fragments in some locations.	1.5'±	
2		2C Glacial Till: Silty clay, reddish-brown to a tan-brown, contains occasional sand grains.	18.0'±	
3		3C Silty clay; tan.		
4		4C Alluvium: Silty clay; gray brown to tan brown, with some chert and limestone fragments.	10'±	
5	FORT RILEY LIMESTONE	5C Residual clay: Clay, dark red brown.	2.5'±	0'-32'±
6		6R Shaly limestone, buff, platy.*	6.0'±	
7	OKETO SHALE	7R "Rimrock" limestone, white, weathers buff, blocky, has a prominent horizontal break in its center.	4.0'±	10.0'±
8		8R Very limy shale or shaly limestone, buff, platy.*	5.8'±	
9		9R Limy shale, green, blocky.*	3.9'±	
10	FLORENCE LIMESTONE	10R Shaly limestone, buff, platy.*	0.9'±	
11		11R Limy shale, green, blocky.*	0.7'±	11.3'±
12		12R Limestone, buff, blocky, contains scattered chert nodules.	1.8'±	
13		13R Limy shale, green, platy.*	1.2'±	
14		14R Limestone, buff, contains chert layers and nodules.	5.2'±	
15	SCHROYER LIMESTONE	15R Limy shale, green, platy.*	2.2'±	
16		16R Limestone, buff, contains numerous chert bands.	17.7'±	
17		17R Limy shale, green, platy.*	0.6'±	
18		18R Limestone, buff, blocky, has scattered chert, varies in thickness.	0.7'±	
19	BLUE SPRINGS SHALE	19R Limy shale, green, platy, varies in thickness.*	0.1'±	
20		20R Limestone, buff, blocky, has scattered chert, varies in thickness.	1.1'±	30.6'±

SYMBOL	MEMBER	DESCRIPTION	THICKNESS	
21	BLUE SPRINGS SHALE	21R Shale, green, blocky, limy.*	2.1'±	
22		22R Shale, black, platy.*	0.3'±	
23		23R Shale, green, blocky, limy.*	6.4'±	
24		24R Shale, dark maroon, blocky, limy.*	1.3'±	
25		25R Shale, maroon, blocky, limy.*	1.8'±	
26		26R Shale, green, blocky, limy.*	0.8'±	
27		27R Shale, maroon, blocky, limy.*	1.6'±	
28		28R Shale, green, blocky, limy.*	0.8'±	
29		29R Shale, maroon, blocky, limy.*	3.5'±	
30		30R Shale, dark green, blocky, limy.*	1.9'±	
31	KINNEY LIMESTONE	31R Limestone, buff, blocky.	0.1'±	
32		32R Shale, dark green, blocky, limy.*	0.9'±	21.5'±
33		33R Limestone, gray, blocky, shaly, weathers brown.	2.7'±	
34		34R Shale, bright green, platy.*	0.4'±	
35		35R Limestone, gray, blocky.	0.5'±	
36		36R Shale, dark gray, blocky.*	13.6'±	
37		37R Limestone, buff, blocky.	1.3'±	
38		38R Shale, green, platy.*	0.3'±	
39		39R Limestone, buff, blocky, a variable zone, lenses.	0.9'±	19.7'±
40		WYMORE SHALE	40R Shale, tan, limy, silty, blocky.*	9.2'±
41	41R Impure limestone, light green, blocky.		0.2'±	
42	42R Shale, bright green, platy.*		0.9'±	
43	43R Impure limestone, light green, nodular.		1.0'±	
44	44R Shale, green, blocky, limy.*		3.3'±	
45	45R Shale, maroon, blocky, limy.*		0.9'±	
46	46R Impure limestone, light green, blocky, weathers to shale.*		0.7'±	
47	47R Shale, dark green, blocky, limy.*		0.4'±	
48	48R Shale, maroon, blocky, limy.*		2.0'±	
49	49R Shale, green, blocky, limy.*		1.4'±	
50	50R Impure limestone, light green, blocky.	0.3'±		
51	HAVENSVILLE SHALE	51R Shale, green, blocky, limy.*	4.8'±	25.1'±
52		52R Limestone, light gray, blocky, somewhat massive, pitted and solutioned ordinarily.	2.2'±	
53		53R Shale, green, platy.*	0.1'±	
54		54R Limestone, buff, blocky.	0.2'±	
55		55R Shale, green, platy, limy.*	0.8'±	
56		56R Limestone, buff, blocky, contains some chert.	0.3'±	
57		57R Shale, green, platy.*	2.4'±	
58		58R Limestone, buff, contains 3 chert bands that are persistent. The chert bands vary in thickness from 0.4 to 0.8'.	2.2'±	
59		59R Shale, green, platy.*	0.1'±	
60		60R Limestone, buff, contains a 0.3' chert band in its center plus scattered chert nodules.	2.2'±	
61	61R Shale, green, platy.*	1.0'±		
62	HAVENSVILLE SHALE	62R Limestone, buff, blocky, sometimes contains chert. Variable in thickness.	1.2'±	12.7'±

SYMBOL	MEMBER	DESCRIPTION	THICKNESS		
63	HAVENSVILLE SHALE	63R Shale, green, weathers tan-green, platy, a variable zone, contains lensing limestone.*	4.4'±		
64		64R Limestone, light green, platy, shaly.	0.7'±		
65		65R Limestone, light gray, weathers tan, somewhat shaly, platy.	4.6'±		
66		66R Shale, gray, platy.*	4.5'±		
67		67R Limestone, brown, blocky.	0.2'±		
68		68R Shale, black, weathers, blue-gray, platy.*	3.2'±		
69		69R Shaly limestone, blue-gray, platy.	0.6'±		
70		70R Shale, black, weathers blue-gray, platy.*	3.3'±	21.5'±	
71		THREE MILE LIMESTONE	71R Limestone, buff, blocky, cherty.	6.6'±	
72			72R Limy shale, blue-gray, weathers green, platy.*	0.5'±	
73	73R Limestone, buff, blocky, cherty.		1.2'±	8.3'±	
74	SPEISER SHALE	74R Shale, green, blocky.*	2.2'±		
75		74A Shale, gray-green, limy, platy.*	1.8'±		
76		75R Limestone, buff, blocky.	1.1'±		
77		75A Limestone, buff, blocky.*	0.4'±		
78		76R Shale, green, blocky.*	3.1'±		
79		76AR Shale, green, blocky, limy.*	3.4'±		
80		77R Shale, maroon, blocky.*	0.3'±		
81		78R Shale, green, blocky.*	0.6'±		
82		79R Shale, maroon, with a few green bands, blocky.*	6.0'±		
83		79AR Shale, vari-colored, green and maroon, blocky, limy.*	9.9'±		
84	80R Shale, dark green with a maroon band, blocky.*	1.4'±			
85	81R Shale, maroon, blocky.*	1.6'±			
86	82R Shale, green, blocky.*	0.3'±			
87	83R Limestone, light green, weathers tan, blocky.	0.9'±			
88	83AR Limestone, light gray, blocky, varies in thickness.	1.1'±			
89	84R Shale, green, blocky.*	0.4'±			
90	85R Shale, maroon, blocky.*	0.8'±			
91	86R Shale, green, blocky.*	0.4'±			
92	87R Impure limestone, light green, nodular.	1.0'±			
93	88R Shale, green, blocky.*	0.4'±			
94	89R Shale, maroon, blocky.*	0.2'±			
95	90R Shale, green, blocky.*	0.2'±			
96	91R Shaly limestone, light green, blocky.*	0.2'±			
97	92R Shale, green, blocky.*	0.2'±			
98	92AR Shale, green, blocky, limy.*	3.1'±	19.7'-21.5'±		
99	93R Limestone, light gray, blocky, sometimes massive.	2.0'±			
100	93AR Limestone, light gray, blocky, weathers platy. Gray-green shale parting in center.	1.6'±			
101	94R Limy shale, green, blocky.*	2.2'±			
102	94AR Shale, light green, blocky, limy, contains three 0.1' lenses of shaly limestone.*	1.8'±			
103	95R Limestone, light gray, nodular.	1.2'±			
104	95AR Impure limestone, light gray, shale parting in center.	5.2'±	8.6'-5.4'±		
105	BLUE RAPIDS SHALE	96R Shale, green, blocky.*	4.4'±		
106		96AR Shale, green, blocky, limy.*	4.2'±		
107		97R Shale, gray, blocky.*	2.6'±		
108		97AR Shale, gray, blocky.*	2.6'±		
109		98R Shale, olive, blocky, somewhat limy.*	3.1'±		
110		98AR Shale, olive, blocky, somewhat limy.*	3.1'±		
111		99R Shale, limy, light green, blocky.*	0.8'±		
112		99AR Shale, limy, light green, blocky.*	0.8'±		
113		100R Shale, olive, blocky.*	2.9'±		
114		100AR Shale, olive, blocky, somewhat limy.*	2.9'±		
115	101R Shale, gray, blocky.*	0.6'±	14.2'±		
116	101AR Shale, gray, blocky.*	0.6'±	14.4'±		

Note: Use this section for Sta. 96+00 to Sta. 130+00

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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. 11 OF	SCALE	APP'D	QUANTITIES	TRACED
DESIGNED	DETAILED	QUAN. CK.	TRACE CK.	