



SE-NE-30-27S-5E
 0-55'
 Chase
 Gage shale to Fort Riley Ls



GENERAL HIGHWAY MAP
 BUTLER COUNTY
 KANSAS

PREPARED BY THE
 STATE HIGHWAY COMMISSION OF KANSAS
 DEPARTMENT OF PLANNING AND DEVELOPMENT
 U. S. DEPARTMENT OF TRANSPORTATION
 FEDERAL HIGHWAY ADMINISTRATION

SOUNDING DATA

KANSAS DEPARTMENT OF TRANSPORTATION

Sheet 1 of 1

COUNTY	Butler	PROJECT NO.	54-8-K 0152-01	BRIDGE NO.	13.07
Q STA.	192+77.78	NAME	Co. Rd. over US 54 STA. 48+61	RT/HT	20
GROUNDWATER EL.	Caved	VERTICAL SCALE	1 inch = 10 feet	DATE	July 1980
B.M. NO.	22	B.M. EL.	1333.205	SUBMITTED BY	Koontz
POINT	B.S.	H.I.	F.S.	ELEV.	POINT
See attached sheet:					

FORM	BIT	EL.	LOG	ACC. DEP.	GEOLOGIC DESCRIPTION AND REMARKS	CASING DRIVE REC.	
						DEPTH	BL/10
		1320			T.H.E. 1320.6		
		1319.1	1.5		Soil-mantle - Silty-clay, brown.		
		1316.9	3.7		Shale, gray-green, clayey, contains limy nodules, weathered.	3.7	1316.9
		1311.9	8.7		Core 1 Cut 5° Rec. 42 (description on attached sheet)		
		1306.8			Core 2 Cut 5' Rec. 18		
		1303.7	13.8		Core 3 Cut 3' Rec. 28		
		1298.7	16.9		Core 4 Cut 5° Rec. 35		
		1293.7	21.9		Core 5 Cut 5° Rec. 37		
		1288.7	26.9		Core 6 Cut 5° Rec. 38		
		1283.7	31.9		Core 7 Cut 5° Rec. 27		
		1278.7	36.9		Core 8 Cut 5° Rec. 31		
		1273.7	41.9				

Soil-mantle

5 1/2" New Home

Gage Shale Member

NXM Core Barrel

Towanda
Ls.
Mb.

Core Description

Proj. 54-8-K 0152-01

Br. No. 13.07 - Butler Co.

CO # 1, Sta. 48+61, 20RT.

Core 1	Cut 5°	Rec. 42
2.7	Shale, limy and clayey with limy nodules	
0.8	Shale, gray, clayey	
0.7	Shale, dk. gray w/some maroon, silty and clayey	
4.2	Total Recovery	
Core 2	Cut 5'	Rec. 18 (poor circ while cutting core-using water)
1.0	Shale, maroon, silty and clayey	
0.8	Shale, green to gray-green, clayey and limy	
1.8	Total Recovery	
Core 3	Cut 3'	Rec. 28
0.2	Shale, gray green, limy with limy nodules	
2.6	Shale, maroon, silty and clayey	
2.8	Total Recovery	
Core 4	Cut 5°	Rec. 35
3.5	Shale, maroon, silty and clayey with a few thin gray-green limy zones.	
3.5	Total Recovery	
Core 5	Cut 5°	Rec. 37
0.4	Shale, limy, with lime nodules, carrying water, gray-green	
3.3	Shale, maroon, with thin gray-green limy zones	
3.7	Total Recovery	
Core 6	Cut 5°	Rec. 38
2.7	Shale, maroon, silty and clayey w/some green zones	
1.1	Shale, light gray with some maroon zones, silty	
3.8	Total Recovery	
Core 7	Cut 5°	Rec. 27
0.4	Shale, gray-green, limy with thin limestone stringers	
1.3	Shale, clayey, green	
1.0	Shale, light gray, limy with calcite and limestone stringers	
2.7	Total Recovery	

(continued)

Core Description

CD.#1 (continued)

Core #8	Cut 5° Rec. 3'
1.1	Limestone, porous, yellow-tan, firm, water carrying
1.6	Shale, tan-green, with impure limestone stringers
0.4	Limestone, tan to orange-tan, water carrying
3.1	Total Recovery