



NE NE NE
26-185-11E

LEGEND

- ROADS AND ROADWAY FEATURES**
- UNIMPROVED ROAD
 - GRAVEL AND GRAVEL ROAD
 - SOIL SURFACED ROAD
 - GRAVEL OR STONE ROAD
 - GRAVEL OR STONE ROAD - NOT GRADED OR DRAINED
 - GRAVEL OR STONE ROAD - GRADED AND DRAINED
 - GRAVEL OR STONE ROAD WITH STABILIZED SURFACE
 - FLUMBOURD ROAD-LAW TYPE
 - PAVED ROAD
 - BRIDGE HIGHWAY
 - HIGHWAY WITH FULL CONTROL OF ACCESS AND INTERCHANGE
- ROAD SYSTEM DESIGNATION**
- FEDERAL-STATE HIGHWAY SYSTEM
 - FEDERAL-PRIMARY HIGHWAY SYSTEM
 - FEDERAL-SECONDARY HIGHWAY SYSTEM
 - INTERSTATE HIGHWAY SYSTEM
 - U.S. NUMBERED HIGHWAY
 - STATE HIGHWAY SYSTEM OR STATE NUMBERED HIGHWAY
 - END OF DESIGNATED SYSTEM OR "VALENTINE" ROAD



GENERAL HIGHWAY MAP
LYON COUNTY
KANSAS

STATE HIGHWAY COMMISSION OF KANSAS
DEPARTMENT OF PLANNING AND DEVELOPMENT

U. S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

1974

-0' to 90'
Wabaunsee Group
Pillsbury shale to
Harveyville shale

SOUNDING DATA

KANSAS DEPARTMENT OF TRANSPORTATION

Sheet 1 of 2

COUNTY LYON	PROJECT NO. 99-56-K0549-01	BRIDGE NO. 21.67
STA. 177+10	NAME Dow Creek	STA. 177+35
GROUNDWATER EL. 1109.0	VERTICAL SCALE 1 inch = 10 feet	DATE Feb. - 1981
B.M. NO. 20	B.M. EL. 1129.89	SUBMITTED BY Koontz

FORM	BIT	EL.	LOG	ACC. DEP.	GEOLOGIC DESCRIPTION AND REMARKS	CASING DRIVE REC. DEPTH	BL/10
					T.H.E. 1122.4		
Soil Mantle	5 1/2" Hawthorne NXM Core Barrel	1120			Silty clay, tan-brown, drills easy Some zones dark-brown, also some minor limestone gravel below		
		1115		13.5	1108.9		
				15.4	1107.0		
				16.0	1106.4		
				18.8	1103.6		
				20.0	1102.4		
				21.0	1101.4		
				25.7	1096.7		
		1090			Core 1 Cut 52 Rec. 52 2.8 Shale, green-gray, silty & clayey, soft, minor orange sandy zones	15.8	
					1.2 Limestone, gray-tan, fossils, hard	1106.6	
					1.0 Shale, light-gray, limy and silty-sandy, fairly firm, silty, micaceous		
					5.0 Total Recovery		
					Core 2 Cut 41 Rec. 41		
					1.3 Shale, sandy (fine) light-gray, fairly firm.		
					1.3 Sandstone, light-gray, fine grained, firm.		
					2.1 Shale, sandy to very sandy, light-gray, fairly firm to firm.		
					4.7 Total Recovery		
		1080			Shale, mostly gray to dark-gray, sandy and clayey with thin stringers of sandstone and siltstone, fairly firm.		
				58.6	1063.8		
				58.9	1063.5		
				60.9	1061.9		
		1070			Shale, clayey, green-gray		
					1059.9		
					Chatter Sandstone, fine grained, light-gray, fairly hard, poor reaction HCL		
					1055.2		
					Smoother Shale, gray to gray-green, silty and clayey		
		1060		62.5			
				67.2			
		1050					

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SCOUNDING DATA

KANSAS DEPARTMENT OF TRANSPORTATION

Sheet 2 of 2

COUNTY LYON	PROJECT NO. 99-56-K0549-01	BRIDGE NO. 21.67							
STA. 177+10	NAME Dow Creek	STA. 177+35							
GROUNDWATER EL. 1109.0	VERTICAL SCALE 1 inch = 10 feet	DATE Feb. - 1981							
B.M. NO. 20	B.M. EL. 1129.89	SUBMITTED BY Koontz							
POINT	B.S.	H.I.	F.S.	ELEV.	POINT	B.S.	H.I.	F.S.	ELEV.
See attached Sheet									

FORM	BIT	EL.	LOG	ACC. DEP.	GEOLOGIC DESCRIPTION AND REMARKS	CASING DRIVE REC.		
						DEPTH	BL/10	
Wamego - Willard Sh. Fm.	3 1/2" TRICONE				1043.9			
				78.5	Shale, clayey and silty, dark-gray, organic, somewhat softer			
				80.5	shale, silty and slightly sandy, gray with	1041.9		
				81.6	very thin sandstone stringers.	1040.8		
		Elmst Ls			83.7	chatter, limestone, brown-gray, hard, fine grained crystalline reacts HCL	1038.7	
					84.0	Smoother	1038.4	
		Harveyville Sh. Mbr.			84.5	Chatter, limestone, gray, hard	1037.9	
					84.8	Smoother, Shale break	1037.6	
					86.4	Chatter, limestone, tan-gray, hard fine grained	1036.0	
					87.8	Smoother, Shale, gray, limy with a few thin (limy) jerky zones.	1034.6	
			Shale, clayey, gray to blue-gray, drills smooth	1032.5				
			89.9	SIS 1032.5 = T.D.				