



C-5-265-SE
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GENERAL HIGHWAY MAP
 BUTLER COUNTY
 KANSAS
 PREPARED BY THE
 STATE HIGHWAY COMMISSION OF KANSAS
 DEPARTMENT OF PLANNING AND DEVELOPMENT
 IN COOPERATION WITH THE
 U. S. DEPARTMENT OF TRANSPORTATION
 FEDERAL HIGHWAY ADMINISTRATION

KANSAS DEPARTMENT OF TRANSPORTATION

COUNTY *Butler* PROJECT NO. *196-8K 1853-01* BRIDGE NO. *15.95*

DESCRIPTION *K-196 over K.T.A.* STA. *49 + 51.5* Lt *21*

GEOLOGIST *Koontz* VERTICAL SCALE *1 inch = 10 feet* DATE *11-23-82*

BIT TYPE & NO.	GEOLOGIC NAME	GEOLOGIC COLUMN	GROUNDWATER ELEVATION	DEPTH	ELEVATION	GEOLOGIC DESCRIPTION AND REMARKS	UNCONFINED COMPRESSION	STANDARD PENETRATION OR CASING DRIVE	
								BLOWS	ELEV.
						<i>T.H.E. 1351.0</i>			
	<i>5 1/2" Hawthorne</i>	<i>Mantle</i>		<i>8°</i>	<i>1350</i>	<i>Silty clay, dark brown</i>			
				<i>9 1/2</i>		<i>Rough, residual limestone and chert gravel, below 6°</i>			
				<i>10 3/8</i>	<i>1340</i>	<i>Core #1 Cut 5° Rec 4°</i>		<i>10'</i>	<i>1340.9</i>
	<i>4" casing</i>					<i>(See attached sheet) 1335.7</i>			
	<i>Core #2</i>			<i>15 3/8</i>		<i>Core #2 Cut 5° Rec 5°</i>			
				<i>20 3/8</i>	<i>1330</i>	<i>(See attached sheet) 1330.7</i>			
						<i>T.D. 20 3/8 Elev. 1330.7</i>			
					<i>1320</i>				

CD #1

196-8 K 1853-01

Sta. 49+51.5 Lt 21

Core 1

Cut 5°

Rec 4⁷

4⁷ Limestone, cherty, tan, with light gray chert, mostly firm to hard, contains chalky punky zones in limestone.

Total Recovery 4⁷

Core 2

Cut 5°

Rec 5°

1⁷ Limestone, tan-white, fairly hard with very hard light gray chert

0⁵ Some joint clay cuttings, firm to hard.

2⁸ Hard cherty limestone, tan-white limestone, with light gray very hard chert.

5°