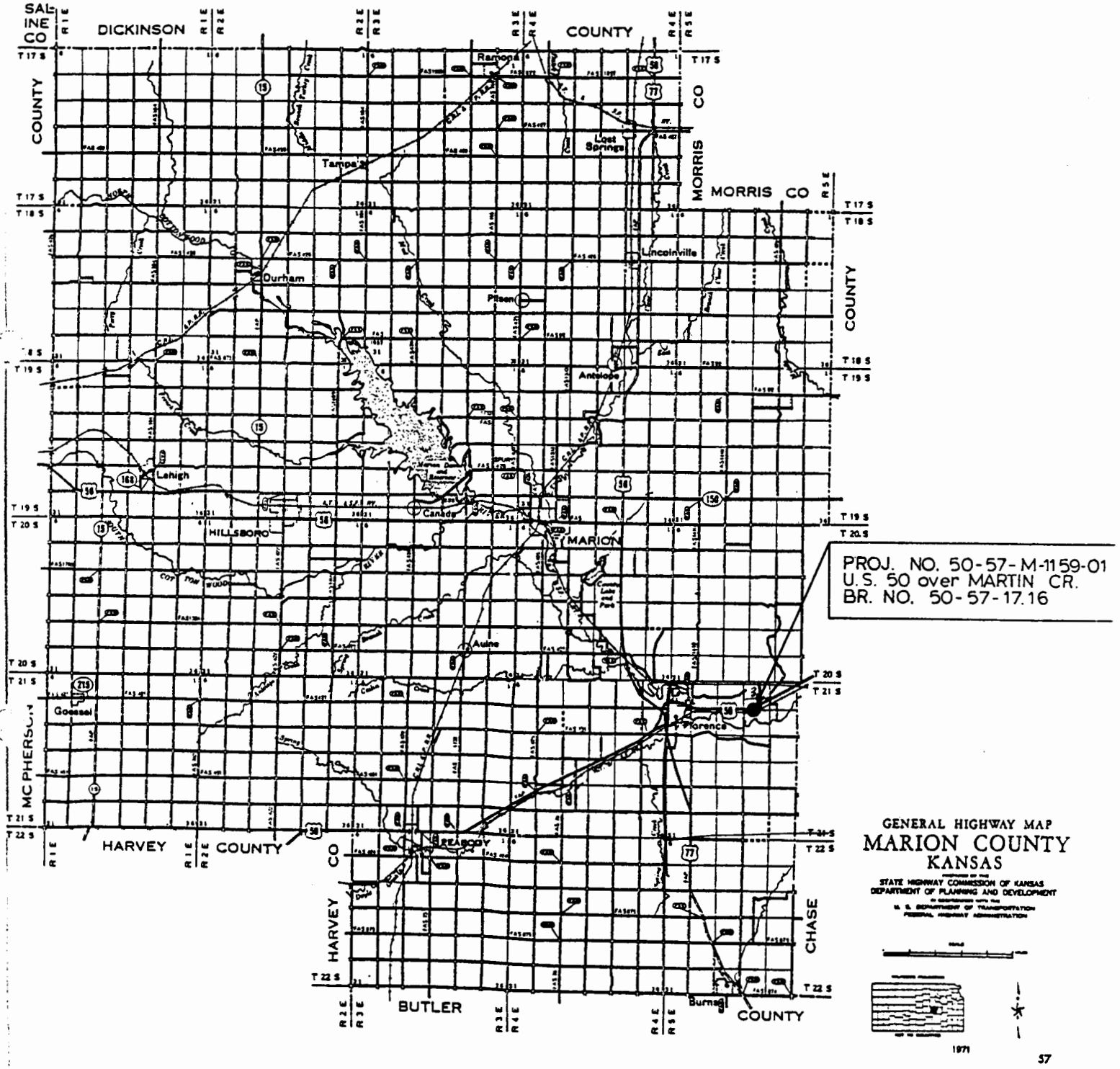

Do two entries

SE-SW-3-21S-5E

0'-71'

Chase Gp → Council Grove Gp

↓ ↓

Threemile ls to Speiser shale

SOUNDING DATA

KANSAS DEPARTMENT OF TRANSPORTATION — Sheet of

COUNTY Marion — PROJECT NO. 50-57-M 1159-01 — BRIDGE NO. 17.16

& STA. 150+20 — NAME Martin Creek STA. 149+47 — RT/[redacted]31 — SOUND. NO. 1

GROUNDWATER EL. 1236.7 — VERTICAL SCALE 1 inch = 10 feet — DATE January 1982

B.M. NO. 100 — B.M. EL. 1260.81 — SUBMITTED BY Koontz

POINT	B.S.	H.I.	F.S.	ELEV.	POINT	B.S.	H.I.	F.S.	ELEV.
BM#100				1260.81					
↑	3.85	1264.66							
CD#1			8.82	1255.84					
BM#100			3.85	1260.81					

FORM	BIT	EL.	LOG	ACC. DEP.	GEOLOGIC DESCRIPTION AND REMARKS	CASING DRIVE REC. DEPTH	CASING DRIVE REC. BL/10
					THE = 1255.8		
Alluvium	5½" Hawthorne	1250		8	Silty Clay brown to tan-brown with a few minor sand and gravel zones — 1247.8		
				10	Silt, brown, clayey — 1245.8		
		40		24	Silt, clayey, brown and tan-brown drills easy — 1231.0		
				30	Slightly firmer, gravel, limestone and chert (various sizes) with considerable clay binder — 1224.9		
		30		33	Gravel, some rather large (upto 1½") chert (dark gray) and limestone, tan-gray with gray-brown clay binder — 1222.3		
	N Hawthorne			37	Clay, gray brown with minor thin zones of limestone and chert gravel (small) — 1218.4		
		20		38	Firmer, Slight chatter, limestone, white-tan porous and rather Soft (H_2O carrying) — 1217.8	1219.0	
Threemile Limestone Member	NXM Core barrel			39½	— 1216.5		
				42	Core 1 - Core descriptions on attached Sheet — 1213.0		
		10		46	Core 2 — 1210.3		
				49½	Core 3 — Base Threemile — 1206.5		
Speiser Shale	3" Tricone without Thorne N			50	— 1205.4		
				52	Shale, dark gray, limy, fairly firm — 1203.1		
		1200		55	Shale, light-gray to gray-green clayey — 1200.8		
				56	Shale, clayey, gray-green, cuts better with insert bit — 1199.3		
				60	Shale, clayey, maroon — 1195.8		
				60	Shale, clayey, maroon and gray — 1194.9		
					= T.D.		
		1190					

Core Descriptions Proj. 50-57-M1159-01 Sta. 149+47, 31 Rt.
Br. No. 17.16 CD #1

Core 1 Cut 4.8 Rec. 3.6

1.3	Limestone, porous tan broken contains chert zones and nodules weathered
2.3	Limestone, porous tan-gray, contains small chert nodules and inclusions, hard (left 0.4 in hole Rec. on next Core.
Total Recovery 3.6	

Core 2 cut 2.7 Rec. 3.1

0.4	Limestone, cherty, tan-white (Rec. from Core 1)
2.7	Limestone, gray-brown, hard with several thick dark gray chert bands
Total Recovery 3.1	

Core 3 Cut 4.9 Rec. 4.8

0.2	Limestone, gray, cherty, very hard
1.2	Limestone, shaly, dark-gray, Quartz mineral inclusions in vugs and pores
1.1	Shale, limy, dark gray, firm to hard
Base Threemile Ls. Mbr. 1.3	Limestone, very hard, fossils, non cherty
1.0	Shale, limy, dark gray, fossil fragments, firm to hard.
Total Recovery 4.8	