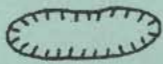


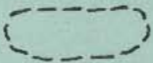
APPENDIX I

The following site data forms are designated as "open sites; not sampled." The sites described herein are depicted on the county materials map as a "●".

LEGEND



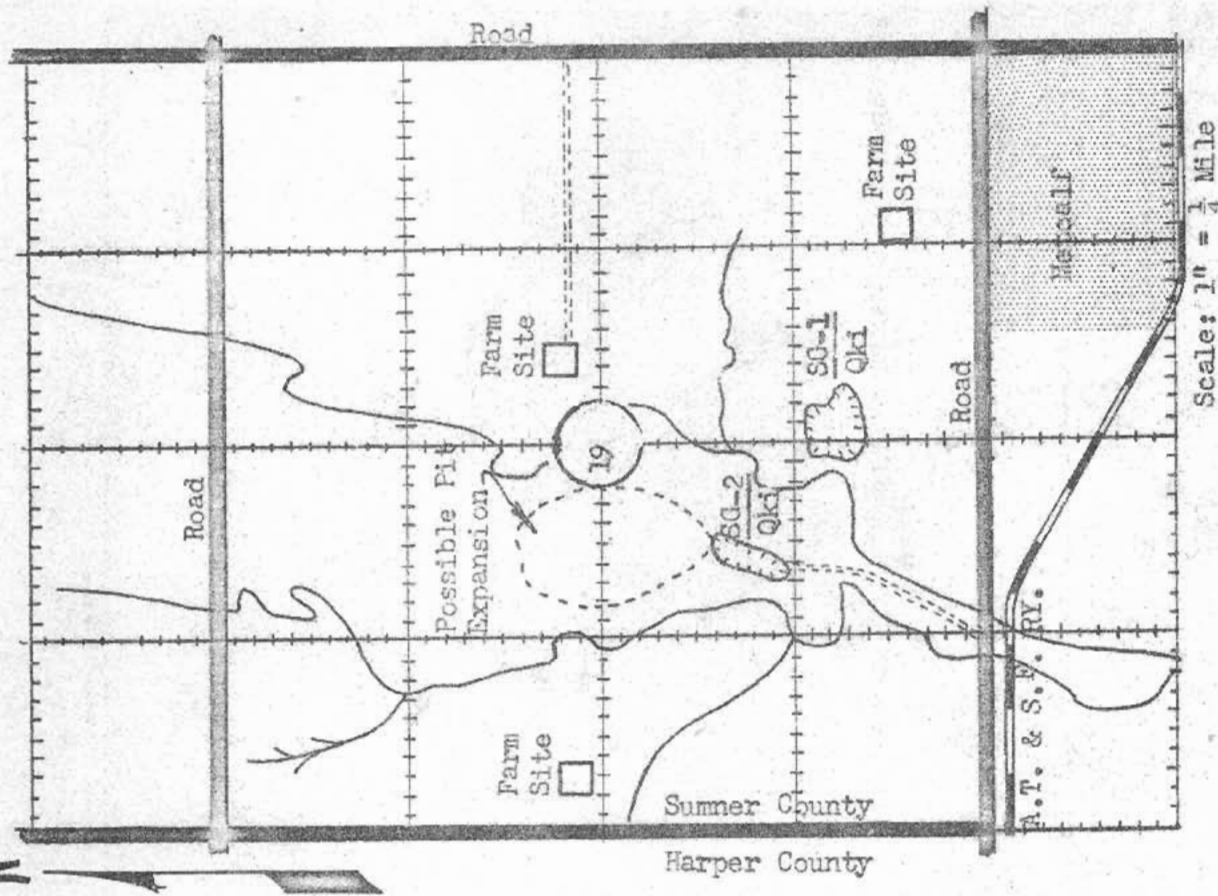
This symbol on the site data form represents an open site.



This symbol on the site data form represents an area of possible pit expansion.

STATE HIGHWAY COMMISSION OF KANSAS
MATERIAL SURVEY REPORT

SITE NO. SG-1
Qkl
MATERIAL Sand and Gravel
LOCATION SW $\frac{1}{4}$ SEC. 19 TWP. 34S RANGE 11W
OWNER Jos. Baker c/o Kenneth Baker Rt. 3 Caldwell, Kan.
TENANT _____
NATURE OF DEPOSIT Dry ACCESSIBILITY Good
STATUS OF SITE Open site; not sampled



EXPLORATION DATA

Test Hole	Material at Bottom of Hole	Depth of Overburden	Depth of Materials Hole	Depth of Hole	Percent Retained																			
					1/2	3/4	7/8	4	8	10	16	30	40	50	100	200	Wash	RL						

CORRELATION DATA

GEOLOGICAL AGE Pleistocene GEOLOGICAL SOURCE High terrace
MATERIAL SIMILAR TO _____
REMARKS: _____

STATE HIGHWAY COMMISSION OF KANSAS
MATERIAL SURVEY REPORT

SITE NO. SG-2
QKI

MATERIAL Sand and Gravel COUNTY Sumner

LOCATION SW 1/4 SEC. 19 TWP. 34S RANGE 14W

OWNER Jos. Baker c/o Kenneth Baker Rt. 3 Caldwell, Kan.

TENANT _____ name _____ address _____

NATURE OF DEPOSIT Dry ACCESSIBILITY Good

STATUS OF SITE Open site; not sampled

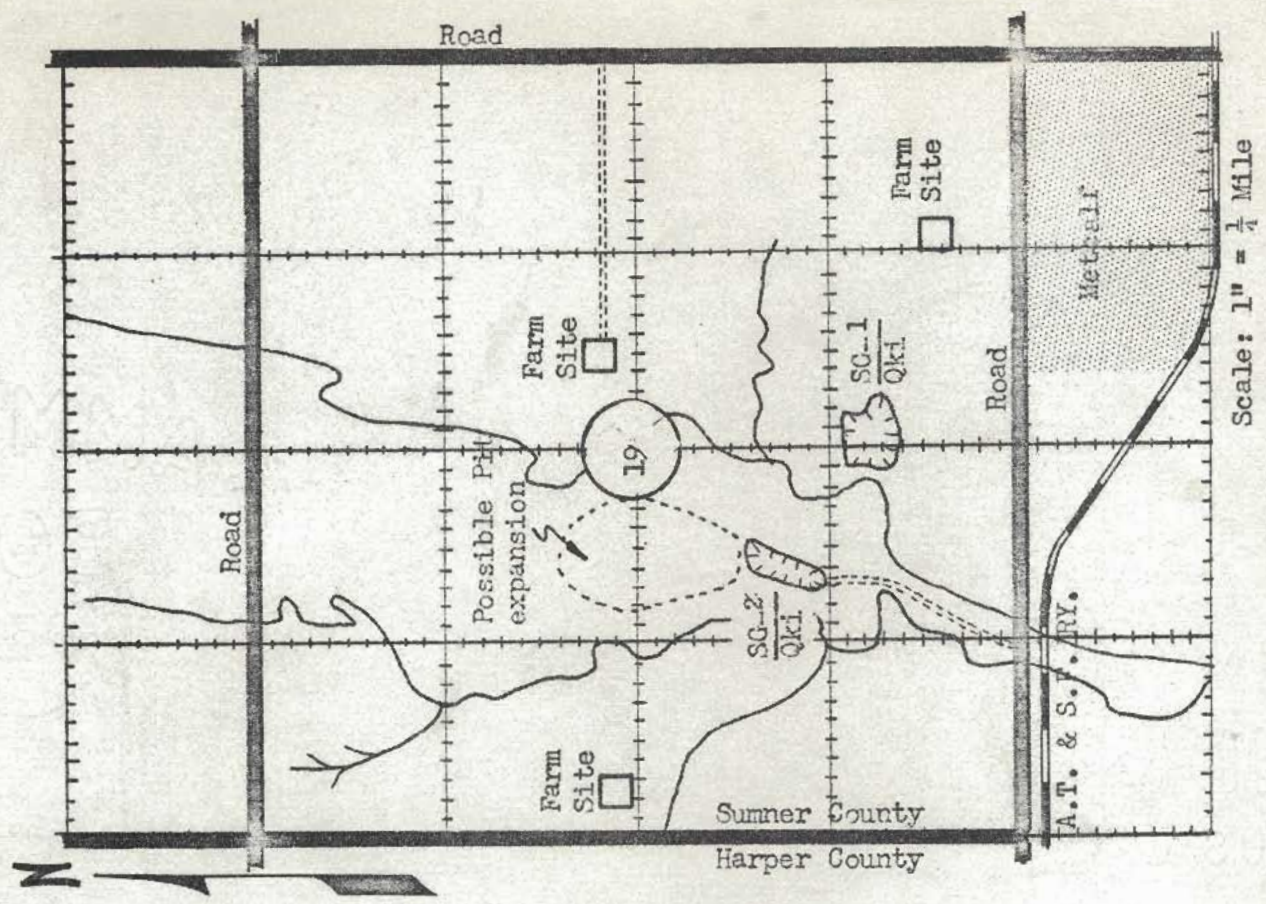
Test Hole	Material at Bottom of Hole	Depth of Overburden	Depth of Materials Hole	EXPLORATION DATA													
				Percent Retained													
				1 1/2	3/4	3/8	4	8	10	16	30	40	50	100	200	Wash	
																	P.L.

CORRELATION DATA

GEOLOGICAL AGE Pleistocene GEOLOGICAL SOURCE High terrace

MATERIAL SIMILAR TO _____

REMARKS: _____



STATE HIGHWAY COMMISSION OF KANSAS
MATERIAL SURVEY REPORT

SITE NO. SG-3
Qn

DATE May, 1964

MATERIAL Sand and Gravel

COUNTY Sumner

LOCATION NE 1/4 SEC. 13 TWP. 30S RANGE 4W

OWNER Jenny Smith 2177 N. Riverside Blvd. Wichita, Kansas

TENANT _____ address _____

NATURE OF DEPOSIT Dry ACCESSIBILITY Good

STATUS OF SITE Open site; not sampled

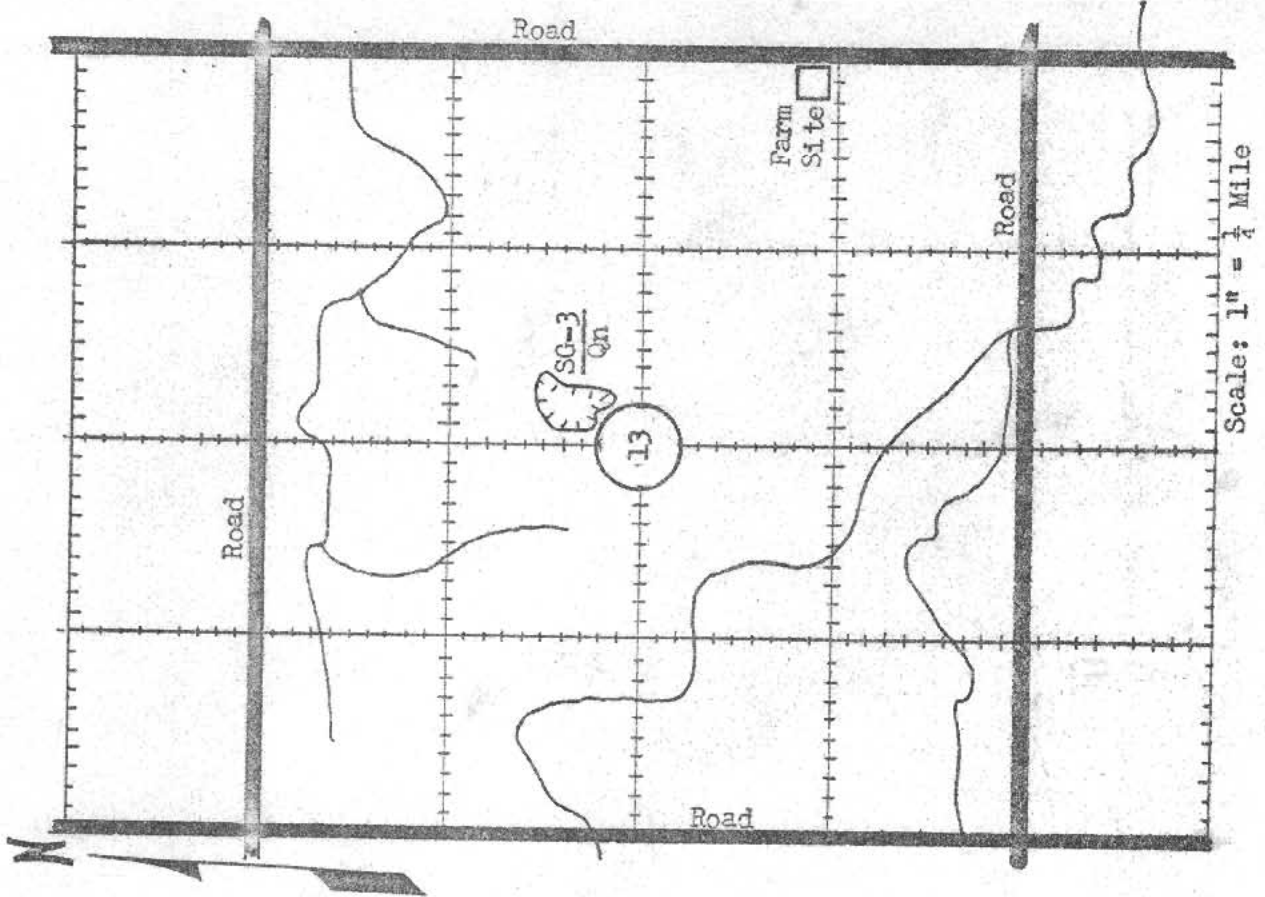
Test Holes	Material at Bottom of Hole	Depth of Overburden	Depth of Material Hole	EXPLORATION DATA													
				Percent Retained													
				1 1/2	3/4	3/8	4	8	10	16	30	40	50	100	200	Wash	P.L.

CORRELATION DATA

GEOLOGICAL AGE Pleistocene GEOLOGICAL SOURCE High terrace

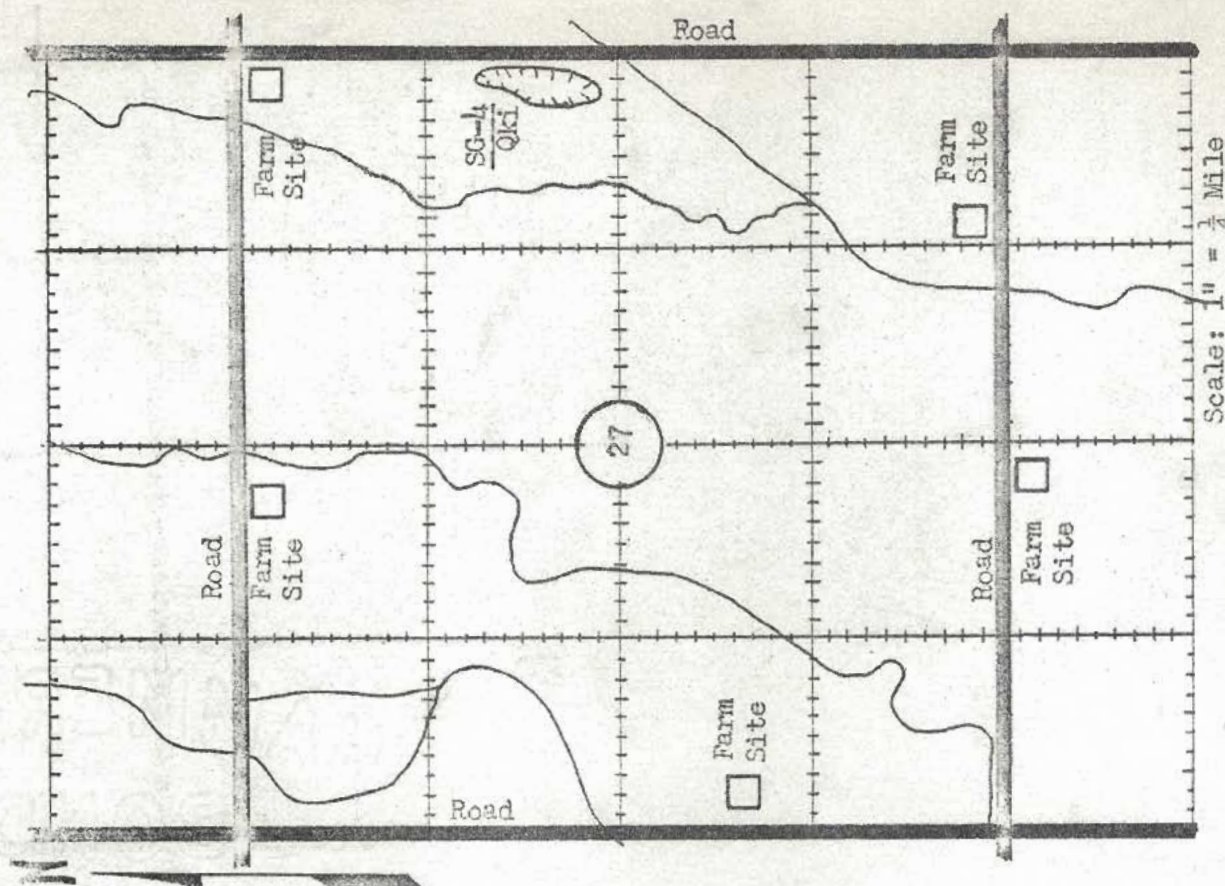
MATERIAL SIMILAR TO _____

REMARKS: _____



STATE HIGHWAY COMMISSION OF KANSAS
MATERIAL SURVEY REPORT

SITE NO. SC-4 DATE May, 1964
 MATERIAL Sand and Gravel COUNTY Summer
 LOCATION NE $\frac{1}{4}$ SEC. 27 TWP. 31S RANGE 4W
 OWNER C. B. Castor address 4747 High Street, Denver, Colo.
 TENANT _____ address _____
 NATURE OF DEPOSIT Dry ACCESSIBILITY Good
 STATUS OF SITE Open site; not sampled



EXPLORATION DATA

Test Hole	Material at Bottom of Hole	Depth of Overburden	Depth of Materials Hole	Percent Retained																						
				1 1/2	3/4	3/8	4	8	10	16	30	40	50	100	200	Wash	L.L.L.	P.L.								

CORRELATION DATA
 GEOLOGICAL AGE Pleistocene GEOLOGICAL SOURCE High terrace
 MATERIAL SIMILAR TO _____
 REMARKS: _____

STATE HIGHWAY COMMISSION OF KANSAS
MATERIAL SURVEY REPORT

SG-5
Qki

SITE NO. SG-5 / Qki DATE May, 1964

MATERIAL Sand and Gravel COUNTY Summer

LOCATION SW $\frac{1}{4}$ SEC. 2 TWP. 32S RANGE 4W

OWNER E $\frac{1}{2}$, SW $\frac{1}{4}$, Robert Schmidt Caldwell, Kansas

TENANT _____ address _____

NATURE OF DEPOSIT Dry ACCESSIBILITY Good

STATUS OF SITE Open site; not sampled

EXPLORATION DATA

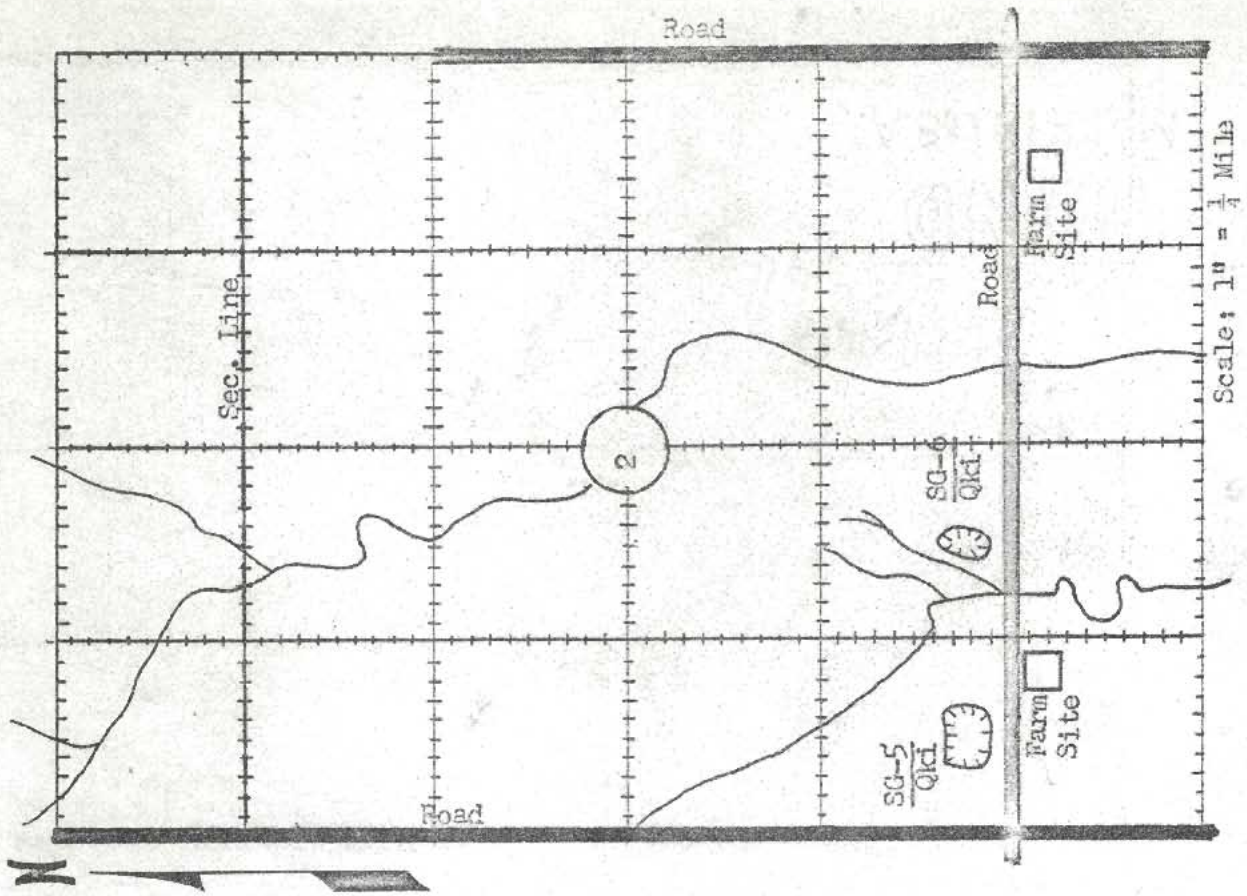
Test Hole	Material at Bottom of Hole	Depth of Overburden	Depth of Materials Hole	Depth of Hole	Percent Retained							Wash	L.L.	P.L.				
					1/2	3/4	1	2	4	8	16				30	40	50	100

CORRELATION DATA

GEOLOGICAL AGE Pleistocene GEOLOGICAL SOURCE High terrace

MATERIAL SIMILAR TO _____

REMARKS: _____

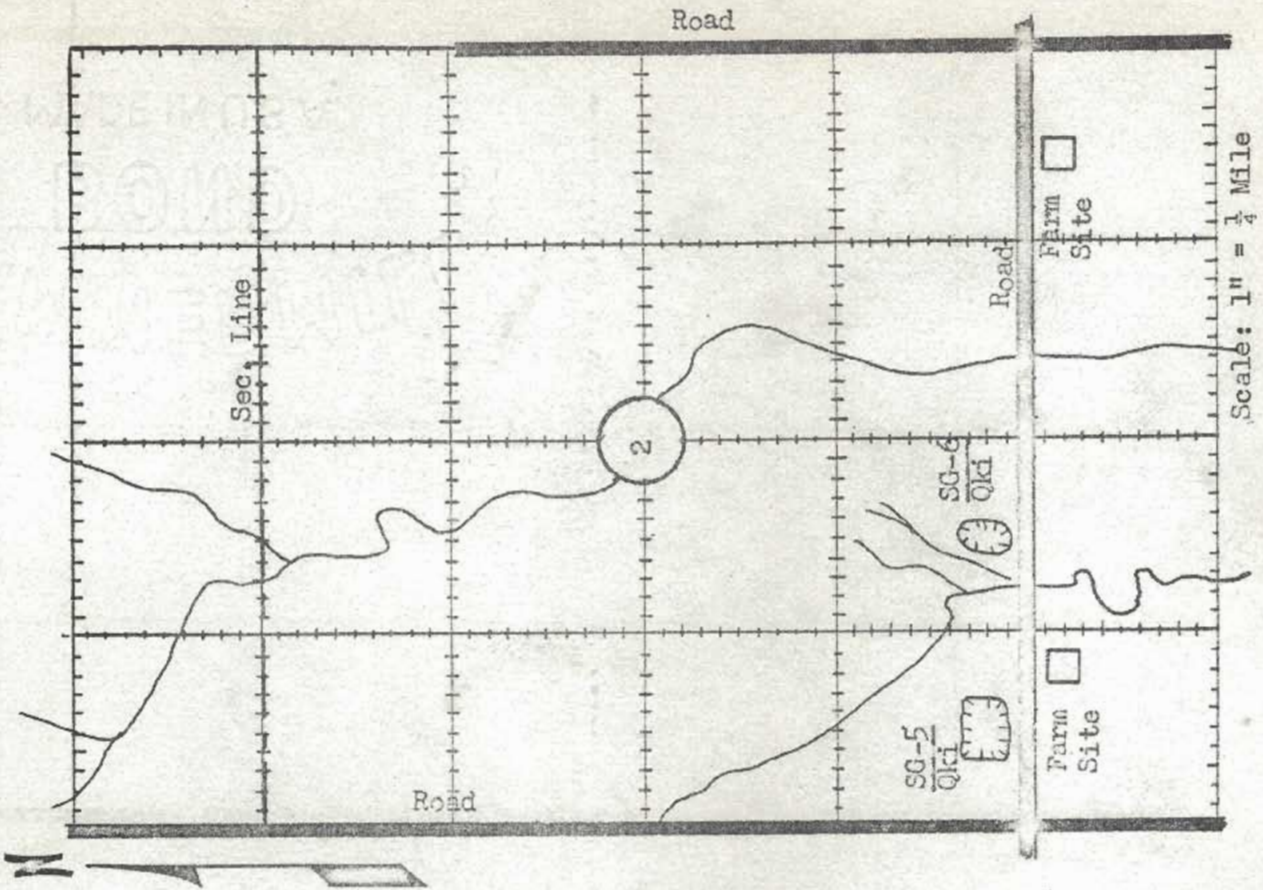


STATE HIGHWAY COMMISSION OF KANSAS
MATERIAL SURVEY REPORT

SG-6
SITE NO. Qld DATE May, 1964
MATERIAL Sand and Gravel COUNTY Summer
LOCATION SW $\frac{1}{4}$ SEC. 2 TWP. 32S RANGE 11W
OWNER E $\frac{1}{2}$, SW $\frac{1}{4}$, Robert Schmidt Caldwell, Kansas
TENANT _____ address _____
NATURE OF DEPOSIT Dry ACCESSIBILITY Good
STATUS OF SITE Open site; not sampled

Test Hole	Material at Bottom of Hole	Depth of Overburden	Depth of Materials in Hole	Depth of Hole	EXPLORATION DATA													
					Percent Retained													
					1/2	3/4	1	2	4	8	16	30	40	50	100	200	Pt.	

CORRELATION DATA
GEOLOGICAL AGE Pleistocene GEOLOGICAL SOURCE High terrace
MATERIAL SIMILAR TO _____
REMARKS: _____



STATE HIGHWAY COMMISSION OF KANSAS
MATERIAL SURVEY REPORT

SITE NO. SG+8
OkI DATE May, 1964
MATERIAL Sand and Gravel COUNTY Sumner
LOCATION SE $\frac{1}{4}$ SEC. 3 TWP. 35S RANGE 1W
OWNER V. B. Hollingsworth South Haven, Kansas
TENANT _____ address _____
NATURE OF DEPOSIT Dry ACCESSIBILITY Good
STATUS OF SITE Open site; not sampled

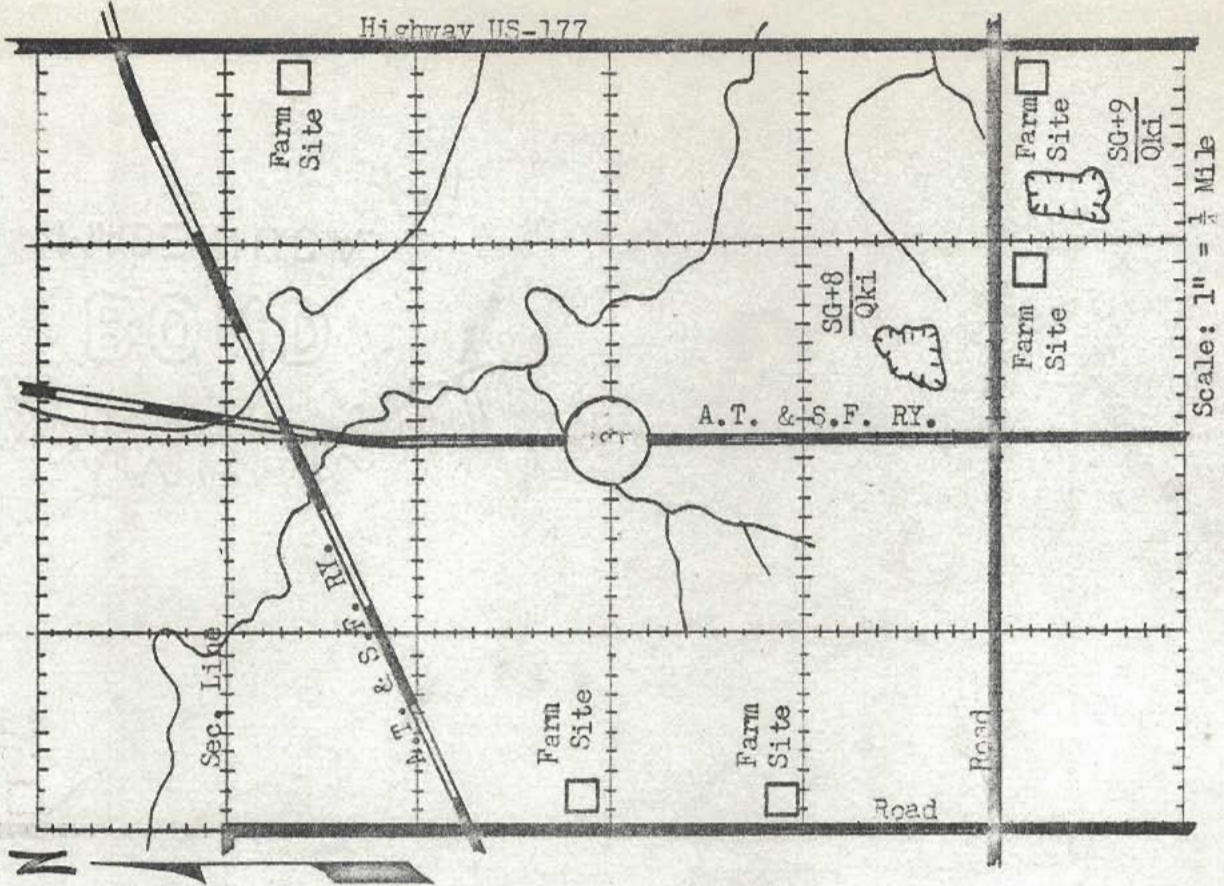
EXPLORATION DATA

Test Hole	Material at Bottom of Hole	Depth of Overburden	Depth of Hole	Percent Retained								Wash	L.L.	P.I.										
				1/2	3/4	1	2	4	8	16	30				40	50	100	200						
				1/2	3/4																			

CORRELATION DATA

GEOLOGICAL AGE Pleistocene GEOLOGICAL SOURCE High terrace
MATERIAL SIMILAR TO _____

REMARKS: _____



STATE HIGHWAY COMMISSION OF KANSAS
MATERIAL SURVEY REPORT

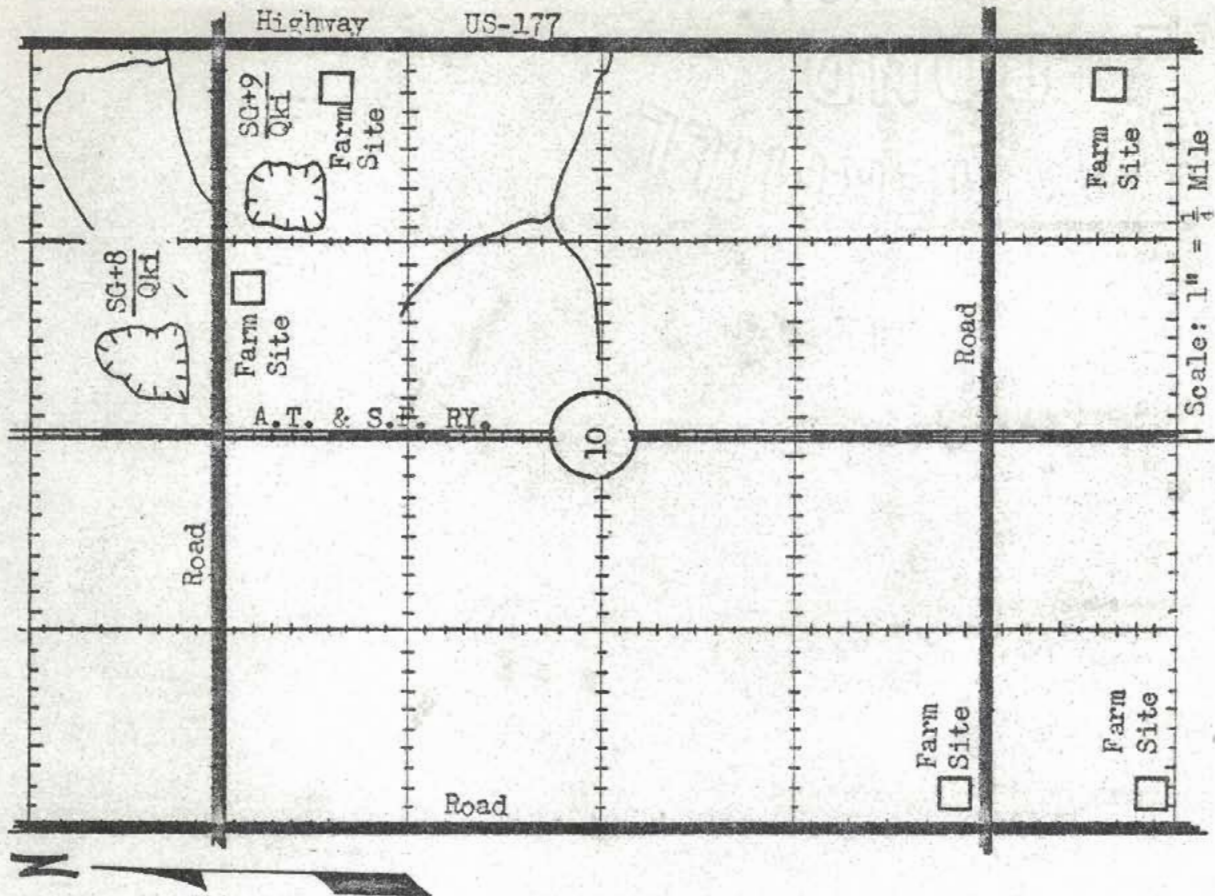
SITE NO. SG+9 / Qk1 DATE May, 1964
 MATERIAL Sand and Gravel COUNTY Sumner
 LOCATION NE 1/4 SEC. 10 TWP. 35S RANGE 1W
 OWNER Harold F. Crow address South Haven, Kansas
 TENANT _____ address _____
 NATURE OF DEPOSIT Dry ACCESSIBILITY Good
 STATUS OF SITE Open site; not sampled

EXPLORATION DATA

Test Hole	Material at Bottom of Hole	Depth of Overburden	Depth of Materials Hole	Percent Retained																					
				1 1/2	3/4	3/8	4	8	10	16	30	40	50	100	200	Wash	L.L.	P.L.							

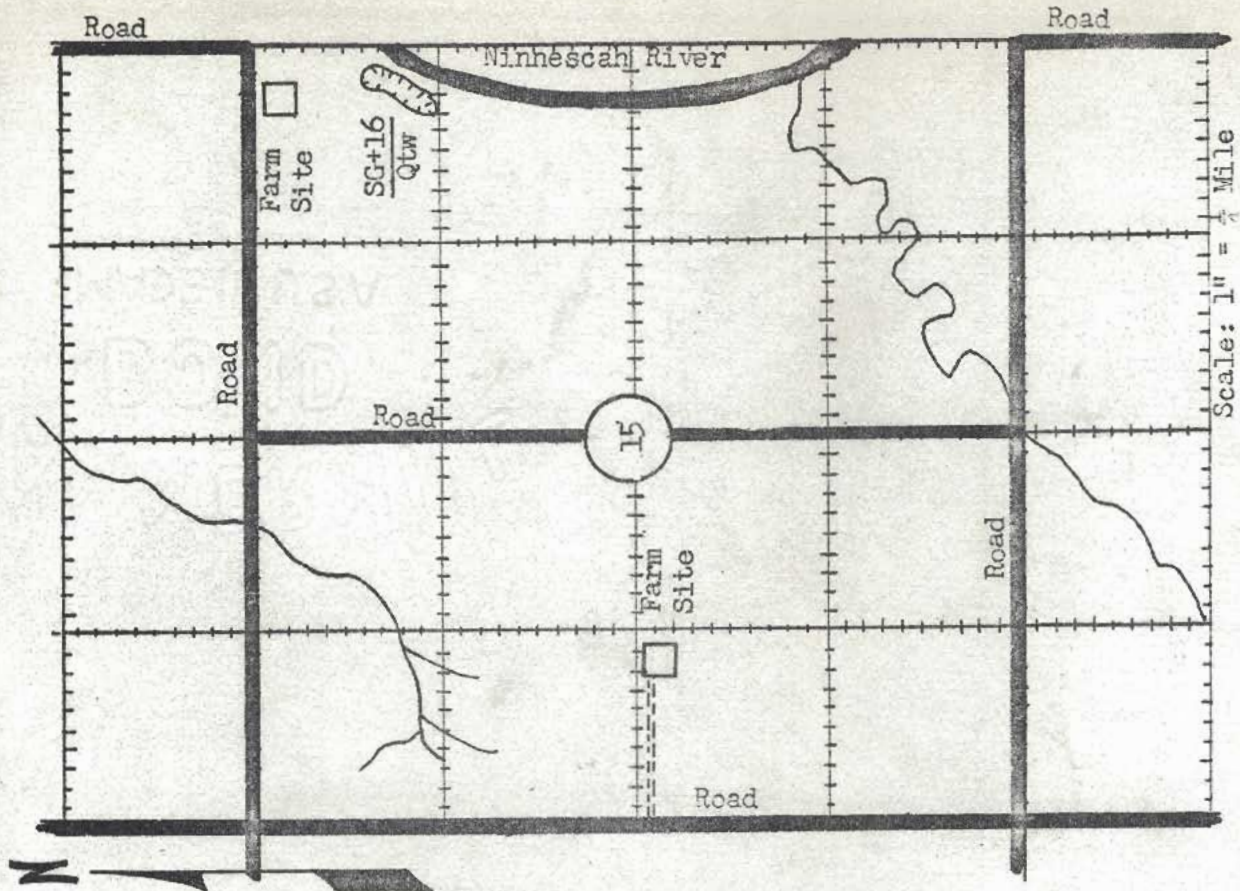
CORRELATION DATA

GEOLOGICAL AGE Pleistocene GEOLOGICAL SOURCE High terrace
 MATERIAL SIMILAR TO _____
 REMARKS: _____



STATE HIGHWAY COMMISSION OF KANSAS
MATERIAL SURVEY REPORT

SITE NO. SG+16
Qtw
MATERIAL Sand and Gravel
LOCATION N $\frac{1}{2}$, NE $\frac{1}{4}$ SEC. 15 TWP. 30S RANGE 1W
OWNER Almeda Berger Peck, Kansas
TENANT _____
NATURE OF DEPOSIT Wet ACCESSIBILITY Good
STATUS OF SITE Open site; not sampled



EXPLORATION DATA

Test Hole	Material at Bottom of Hole	Depth of Overburden	Depth of Materials Hole	Depth of Hole	Percent Retained							Wash	L.L.L	P.L.				
					1 1/2	3/4	3/8	4	8	10	16				30	40	50	100

CORRELATION DATA
GEOLOGICAL AGE Pleistocene GEOLOGICAL SOURCE Stream terrace
MATERIAL SIMILAR TO _____
REMARKS: _____

STATE HIGHWAY COMMISSION OF KANSAS
MATERIAL SURVEY REPORT

SG+19
Qal

SITE NO. _____ DATE May, 1964

MATERIAL Sand and Gravel COUNTY Sumner

LOCATION NE 1/4 SEC. 34 TWP. 31S RANGE 2E

OWNER Gilbert D. Spencer Oxford, Kansas

TENANT _____
name _____ address _____

NATURE OF DEPOSIT Wet ACCESSIBILITY Good

STATUS OF SITE Open site; not sampled

Test Hole	Material at Bottom of Hole	Depth of Overburden	Depth of Materials	Depth of Hole	EXPLORATION DATA																
					Percent Retained																
					1 1/2	3/4	3/8	4	6	10	16	30	40	50	100	200	400	600	800	1000	

CORRELATION DATA

GEOLOGICAL AGE Recent GEOLOGICAL SOURCE Flood Plain

MATERIAL SIMILAR TO _____

REMARKS: _____



STATE HIGHWAY COMMISSION OF KANSAS
MATERIAL SURVEY REPORT

SITE NO. SG+24
Qa1

MATERIAL Sand and Gravel

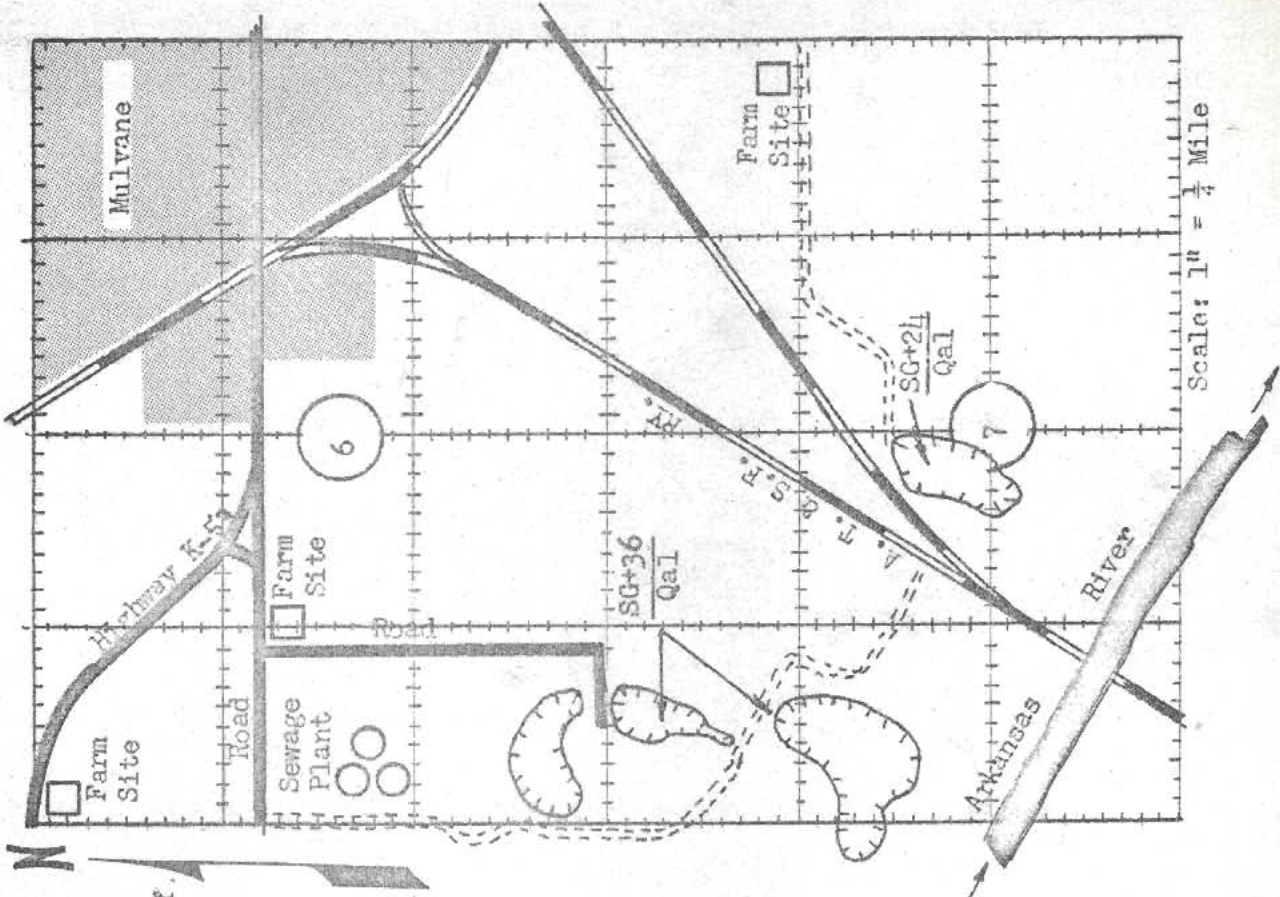
LOCATION SE 1/4, NW 1/4 SEC. 7 TWP. 30S RANGE 2E

OWNER George Y. Blair
name address

TENANT _____ name Wet _____ address

NATURE OF DEPOSIT _____ Wet _____ ACCESSIBILITY Good

STATUS OF SITE Open site; not sampled



EXPLORATION DATA

Test Holes	Material at Bottom of Hole	Depth of Over-burden	Depth of Material Hole	Percent Retained											Wash 200	L.L.	P.L.
				1 1/2	3/4	3/8	4	8	10	16	30	40	50	100			
				1 1/2	3/4	3/8	4	8	10	16	30	40	50	100			

CORRELATION DATA

GEOLOGICAL AGE Recent GEOLOGICAL SOURCE Flood Plain

MATERIAL SIMILAR TO _____

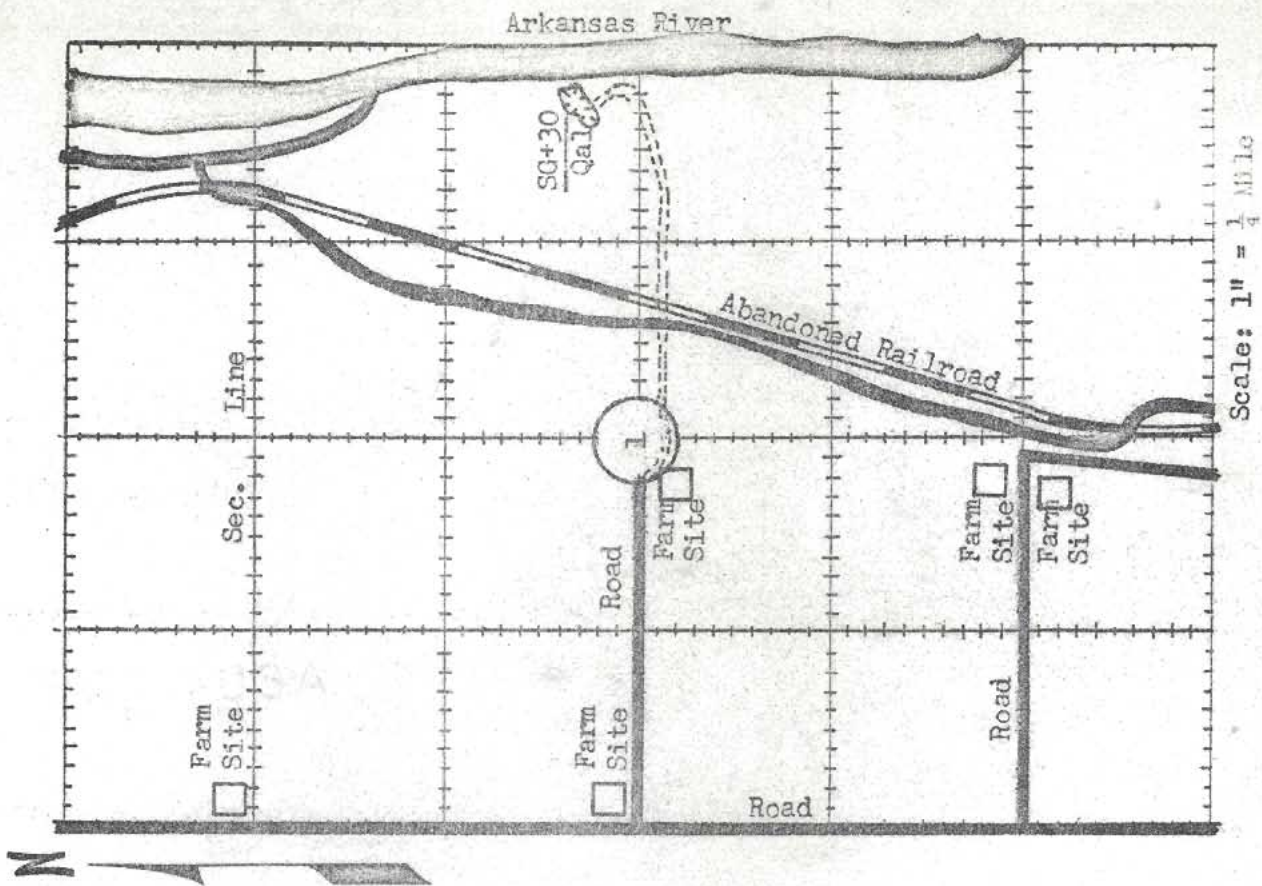
REMARKS: _____

STATE HIGHWAY COMMISSION OF KANSAS
MATERIAL SURVEY REPORT

SITE NO. SG+30 DATE May, 1964
 MATERIAL Sand and Gravel COUNTY Summer
 LOCATION NE 1/4 SEC. 1 TWP. 32S RANGE 2E
 OWNER Harry J. Champney address Oxford, Kansas
 TENANT _____ address _____
 NATURE OF DEPOSIT Wet ACCESSIBILITY Good
 STATUS OF SITE Open site; not sampled

Test Hole	Material at Bottom of Hole	Depth of Overburden	Depth of Materials	Depth of Holes	EXPLORATION DATA														
					Percent Retained														
					1/2	3/4	1	2	4	8	16	30	40	50	100	200	Wash	PI	

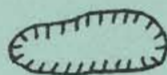
CORRELATION DATA
 GEOLOGICAL AGE Recent GEOLOGICAL SOURCE Flood Plain
 MATERIAL SIMILAR TO _____
 REMARKS: _____



APPENDIX II

The following site data forms are designated as "open site; sampled." The sites described herein are depicted on the county materials maps as a "■".

LEGEND



This symbol on the site data form represents an open site.

STATE HIGHWAY COMMISSION OF KANSAS
MATERIAL SURVEY REPORT

SITE NO. SG-31
Qkd

MATERIAL Sand and Gravel

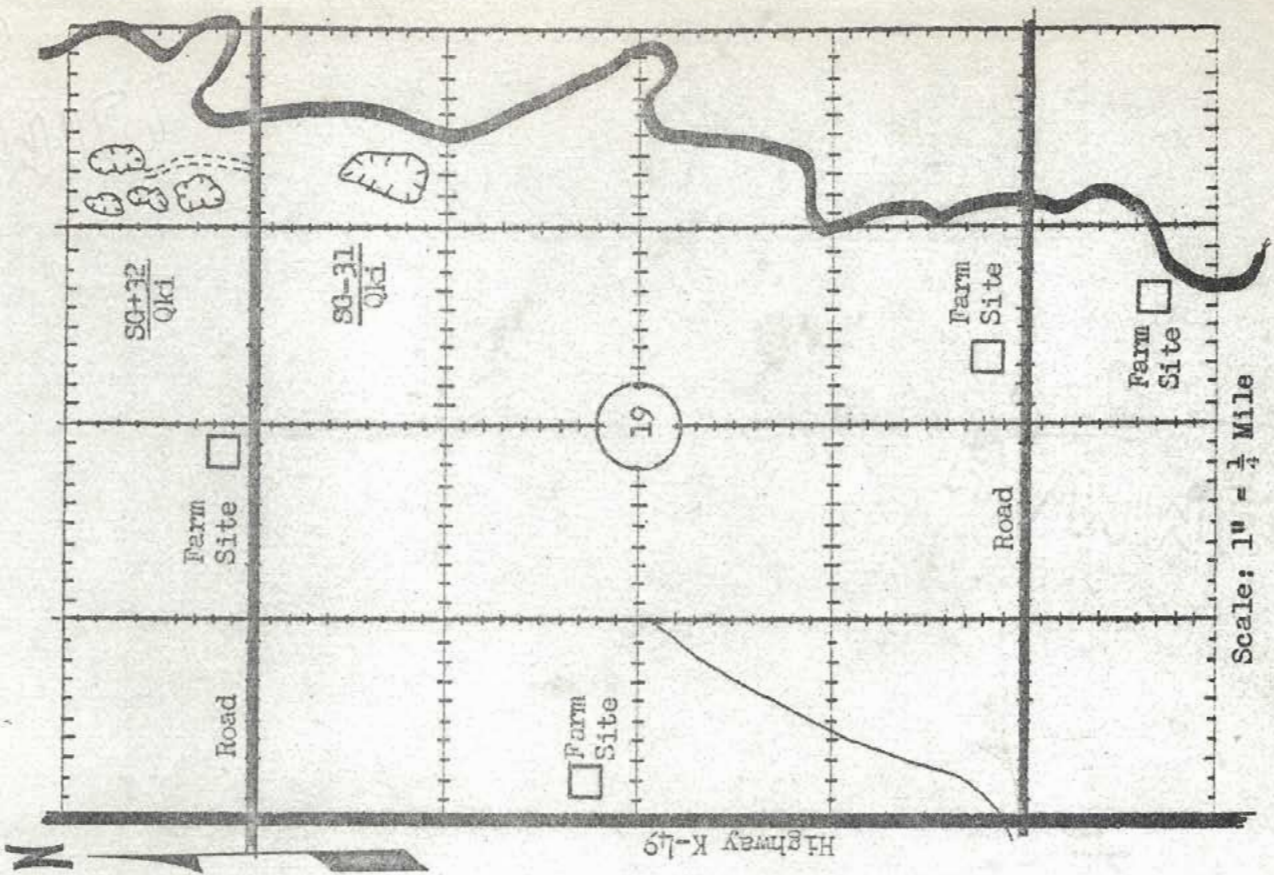
LOCATION NE 1/4 SEC. 19 TWP. 33S RANGE 2W

OWNER Ernest J. Evans name address Rt. 4 Wellington, Kansas

TENANT _____ name address _____

NATURE OF DEPOSIT Dry ACCESSIBILITY Good

STATUS OF SITE Open site; sampled



EXPLORATION DATA

Test Hole	Material at Bottom of Hole	Depth of Overburden	Depth of Material	Depth of Hole	Percent Retained							Wash	PI
					1 1/2	3/4	3/8	1/4	1/8	1/16	1/32		
	Stockpiles				14	26	61	86	96	97	2		

Tested March, 1954

CORRELATION DATA

GEOLOGICAL AGE Pleistocene GEOLOGICAL SOURCE High terrace

MATERIAL SIMILAR TO material reported on SHC Form 619 No. 96-14

REMARKS: Soundness 0.98

Specific Gravity 2.56

Weight/Cu.Ft. 107.4

L.A. Wear (Grading D) 34.0

Strength Ratio (1 Day) 1.23 (3 Day) 1.26

STATE HIGHWAY COMMISSION OF KANSAS
MATERIAL SURVEY REPORT

SITE NO. SG+32
Okla DATE May, 1964

MATERIAL Sand and Gravel COUNTY Sumner

LOCATION E $\frac{1}{2}$, SE $\frac{1}{4}$ SEC. 18 TWP. 33S RANGE 2W

OWNER Louis Eckerman address Caldwell, Kansas

TENANT _____ address _____

NATURE OF DEPOSIT Dry ACCESSIBILITY Good

STATUS OF SITE Open site; sampled

EXPLORATION DATA

Test Hole	Material at Bottom of Hole	Depth of Over-burden	Depth of Materials Hole	Depth of Hole	Percent Retained							Wash	L.L	P.I.			
					1/2	3/4	7/8	4	8	10	16				30	40	50
	Lab. No. 6778				1 1/2	3/4	7/8	1 6	19	42	71	87	92	7			

Tested May, 1959

CORRELATION DATA

GEOLOGICAL AGE Pleistocene GEOLOGICAL SOURCE High terrace

MATERIAL SIMILAR TO material reported on SHC Lab. Sheet No. 6778

REMARKS: Soundness 0.98

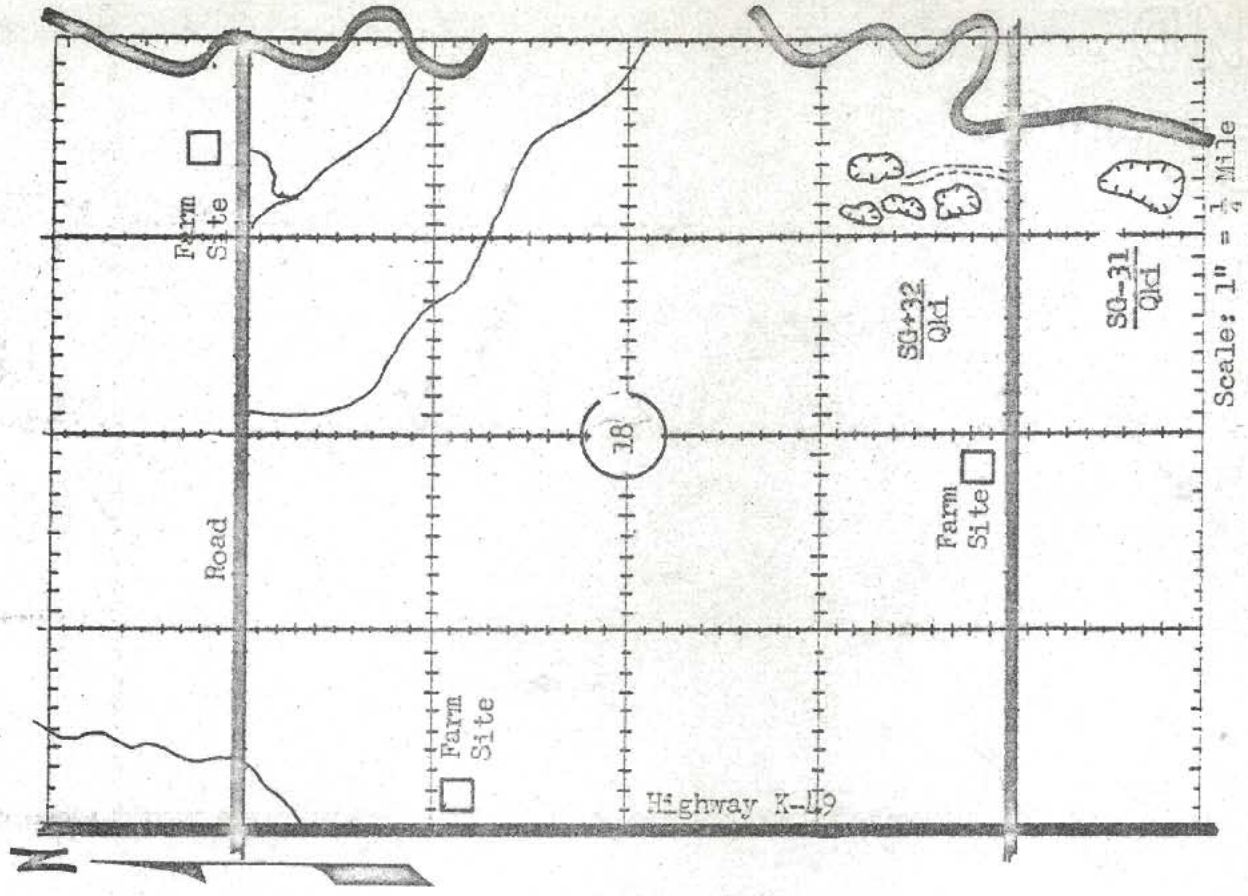
Specific Gravity 2.51

Weight/Cu.Ft. 95.5

L.A. Wear (Grading D) 32.6

Absorption 2.35%

Strength Ratio (1 Day) 0.98 (3 Day) 0.96



STATE HIGHWAY COMMISSION OF KANSAS
MATERIAL SURVEY REPORT

SG-33
On

SITE NO. _____ DATE May, 1964
 MATERIAL Sand and Gravel COUNTY Summer
 LOCATION SE 1/4 SW 1/4 SEC. 33 TWP. 30S RANGE 3W
 OWNER J. S. Andra address Conway Springs, Kansas
 TENANT _____ address _____
 NATURE OF DEPOSIT Dry ACCESSIBILITY Good
 STATUS OF SITE Open site; sampled

EXPLORATION DATA

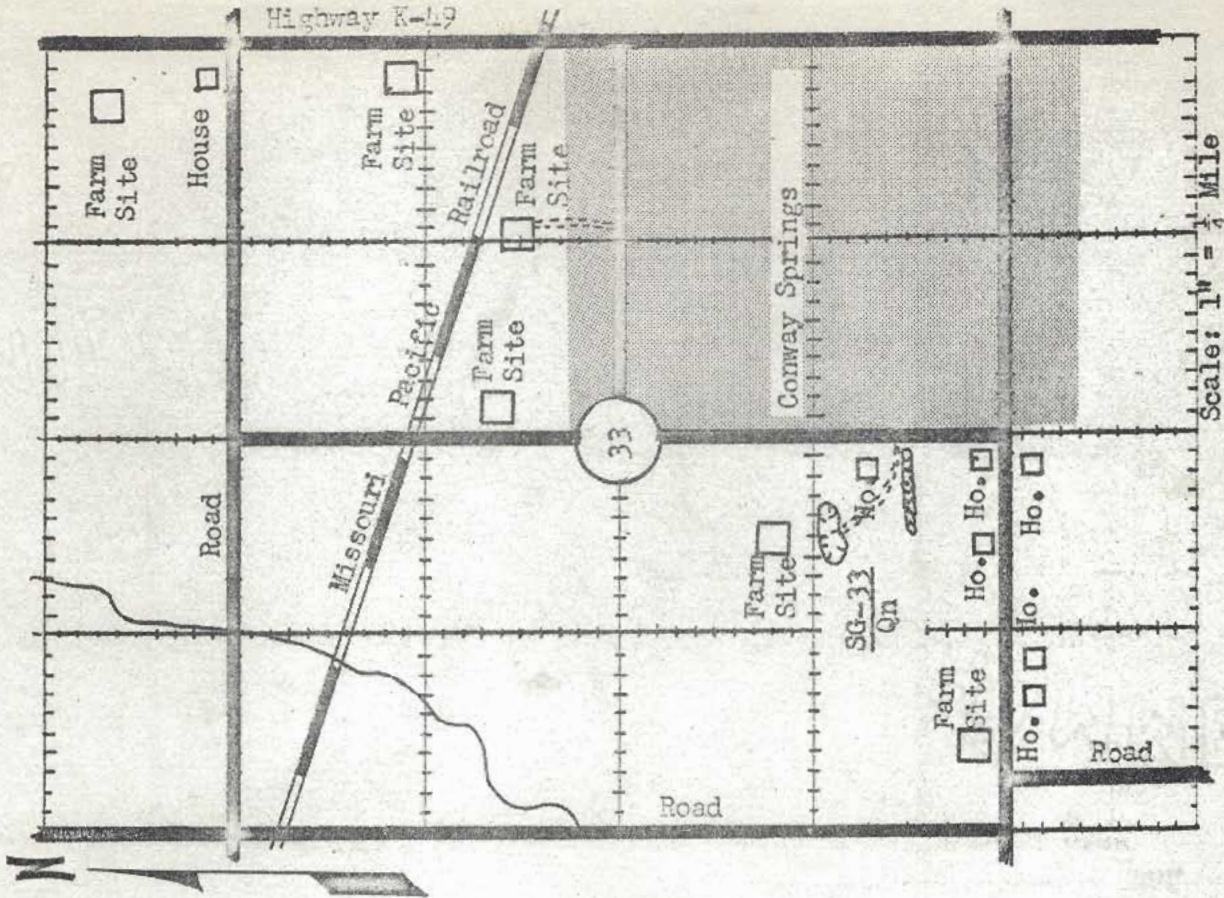
Test Hole	Material at Bottom of Hole	Depth of Overburden	Depth of Materials	Percent Retained											Wash	P.I.
				1 1/2	3/4	3/8	4	8	10	16	30	40	50	100		
Average		2	5	1	3	9	26	51	79	97	100	8	42	25		

Tested February, 1954

CORRELATION DATA

GEOLOGICAL AGE Pleistocene GEOLOGICAL SOURCE High terrace
 MATERIAL SIMILAR TO material reported on SHC Form 619, No. 96-10

REMARKS: This site can be expanded to the west and south.



STATE HIGHWAY COMMISSION OF KANSAS
MATERIAL SURVEY REPORT

SITE NO. SG+34 DATE May, 1961
Qa1
 MATERIAL Sand and Gravel COUNTY Summer
 LOCATION S $\frac{1}{2}$, NE $\frac{1}{4}$ SEC. 36 TWP. 32S RANGE 2E
 OWNER D. L. Donley 2802 Ida Wichita, Kansas
 name address
 TENANT _____ name address
 NATURE OF DEPOSIT Wet ACCESSIBILITY Good
 STATUS OF SITE Open sites sampled

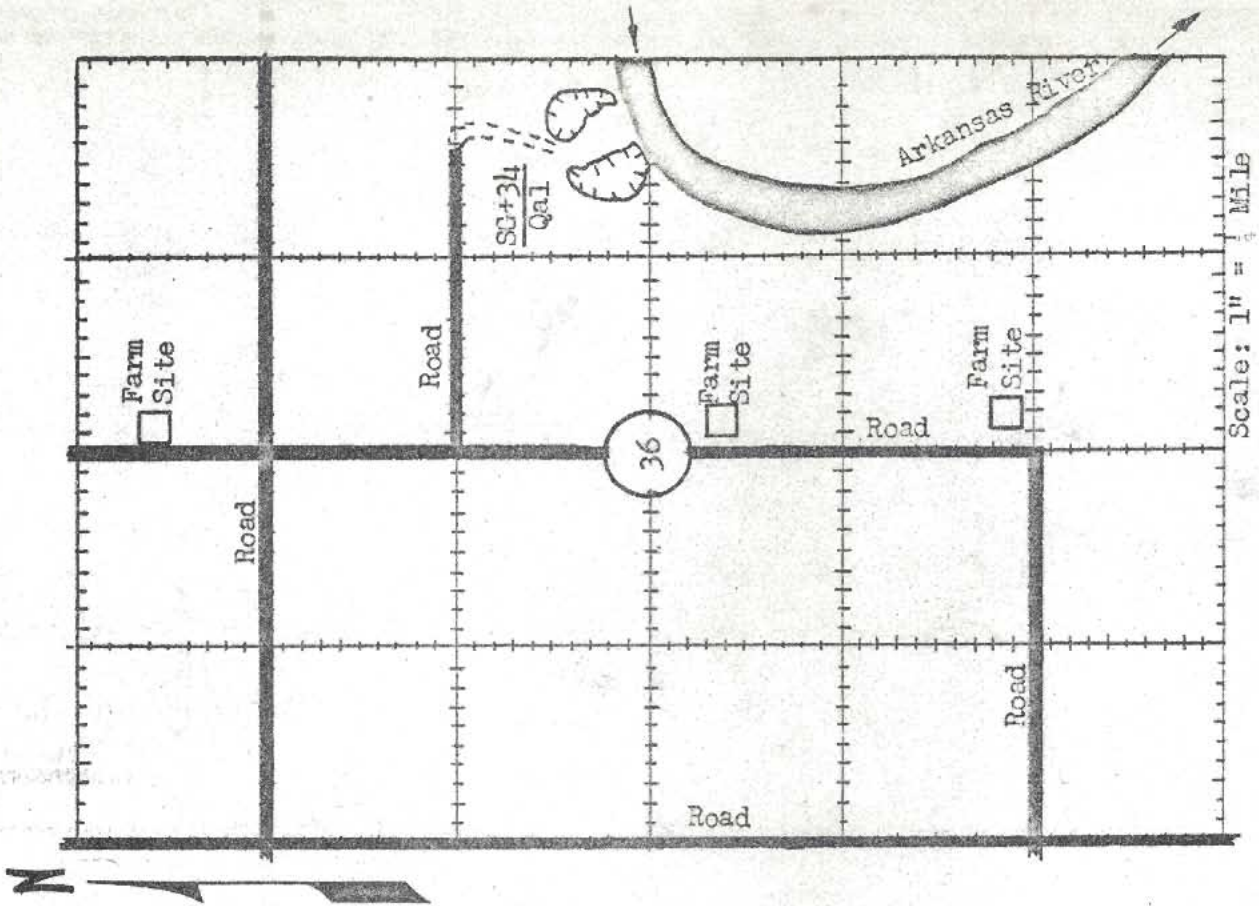
Test Hole	Material at Bottom of Hole	Depth of Overburden	Depth of Materials	Depth of Hole	EXPLORATION DATA										L.L. Ft.		
					Percent Retained												
					1 1/2	3/4	2/8	4	8	10	16	30	40	50	100	200	
	Lab. No.	8551					2	10	35		73	87		91	93	6	
	Lab. No.	18596					1	6	21		48	78		95	99	1	
	Lab. No.	32933					1	6	20		46	77		94	98	1	

Tested August, 1961

CORRELATION DATA

GEOLOGICAL AGE Recent GEOLOGICAL SOURCE Flood Plain
 MATERIAL SIMILAR TO material reported on SHC Lab Sheet Nos.
8551 18596 32933

REMARKS: Soundness 0.97 0.98 0.98
 Specific Gravity 2.62 2.61 2.62
 Weight/Cu. Ft. 111.8 111.11 105.76
 L.A. Wear (Grading D) 33.4 35.3 34.2
 Absorption 0.5% 0.5% 0.7%
 Strength Ratio
 (1 Day) 1.37 1.53
 (3 Day) 1.29 1.62



STATE HIGHWAY COMMISSION OF KANSAS
MATERIAL SURVEY REPORT

SITE NO. SG+35
Qal

MATERIAL Sand and Gravel

LOCATION NE 1/4 SEC. 3 TWP. 31S RANGE 2E

OWNER Mary E. Barner
name address

TENANT _____
name address

NATURE OF DEPOSIT Wet ACCESSIBILITY Good

STATUS OF SITE Open site; sampled (Abandoned)

EXPLORATION DATA

Test Hole	Material at Bottom of Hole	Depth of Over-burden	Depth of Materials Hole	Depth of Hole	Percent Retained										Wash 200	L.L.	P.L.		
					1 1/2	3/4	3/8	4	8	10	16	30	40	50				100	
	Clay	0	24	24															
	Stockpile				1	6	20	42	76	94	99	1							
					Gradation factor		3.38												

Tested March, 1954

CORRELATION DATA

GEOLOGICAL AGE Recent GEOLOGICAL SOURCE Flood Plain

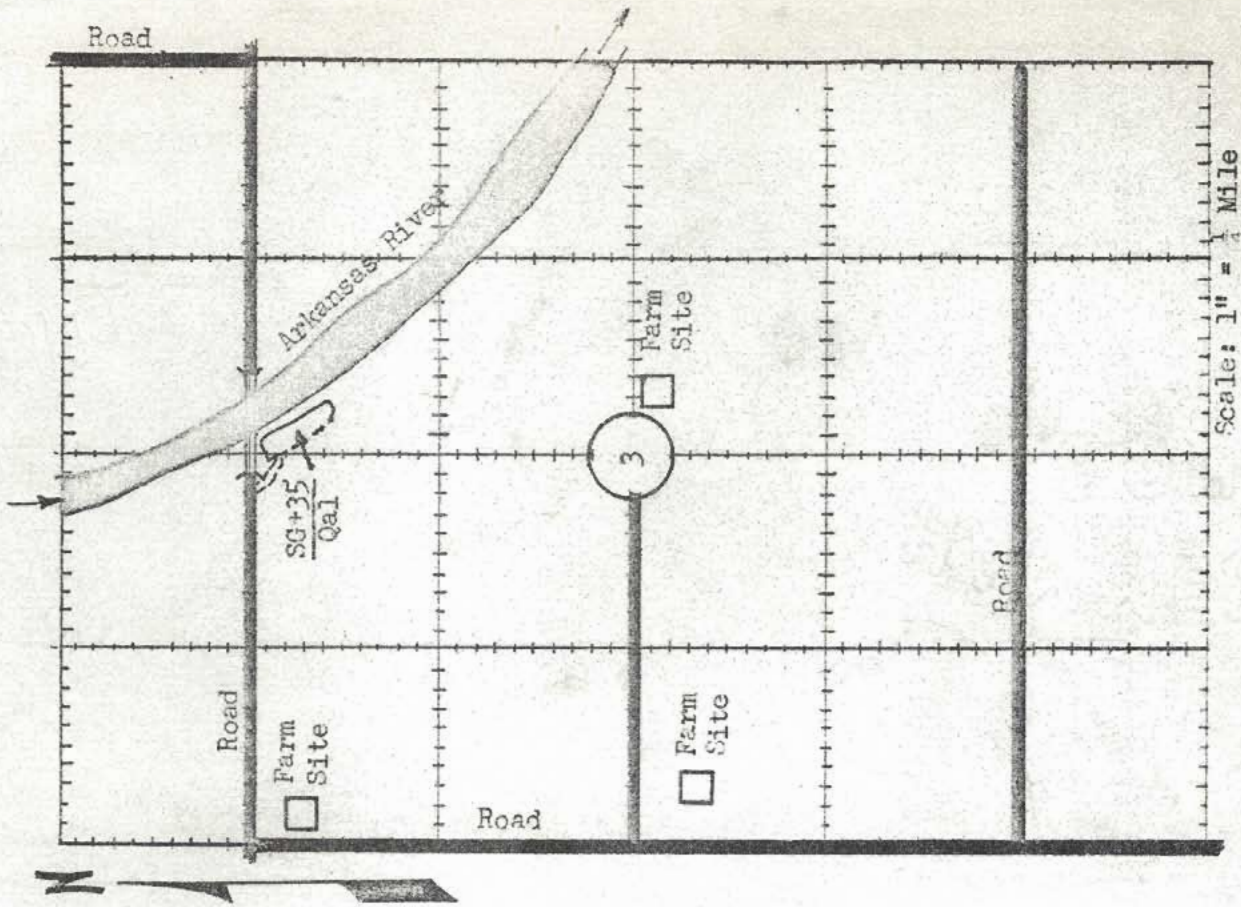
MATERIAL SIMILAR TO material reported on SHC Form 619, No. 96-1.

REMARKS: This pit has been silted in, but similiar material is available at this site.

Soundness 0.97 L.A. Wear (Grading D) 34.4

Specific Gravity 2.61 Strength Ratio (1 Day) 1.60

Wt./Cu.Ft. 114.6 (3 Day) 1.43



STATE HIGHWAY COMMISSION OF KANSAS
MATERIAL SURVEY REPORT

SITE NO. SG+36
Qa1
 MATERIAL Sand and Gravel
 LOCATION SW $\frac{1}{4}$, Sec. 6 & NW $\frac{1}{4}$, Sec. 7 COUNTY Summer RANGE 2E
 TWP. 30S
 OWNER Mulvane Sand and Gravel Co. Mulvane, Kansas
 address
 TENANT _____ address _____
 NATURE OF DEPOSIT _____ Wet _____ ACCESSIBILITY _____ Good
 STATUS OF SITE _____ Open site; sampled

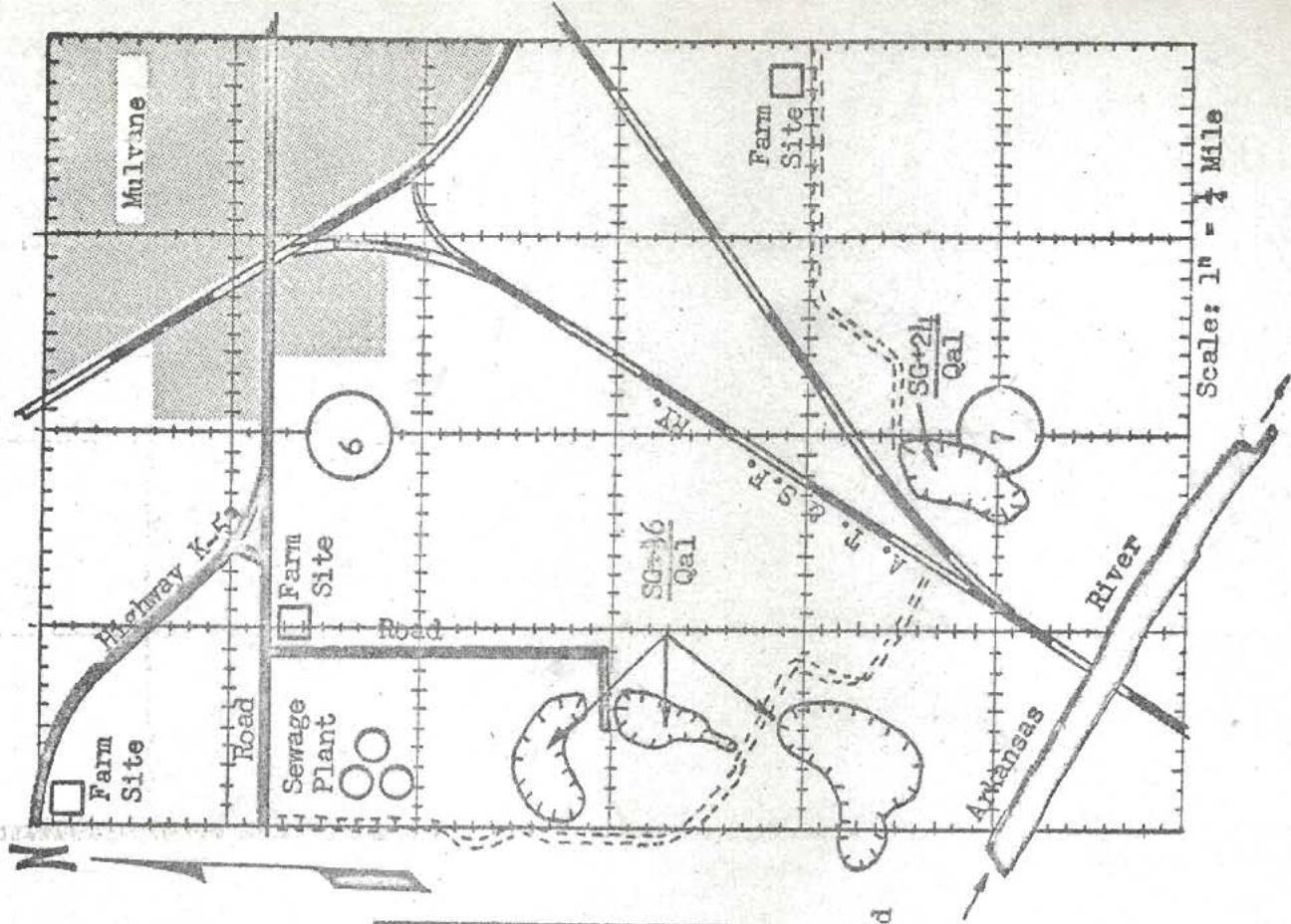
EXPLORATION DATA

Test Hole	Material at Bottom of Hole	Depth of Core, Meters	Depth of Hole	Percent Retained											Wash	Rt.		
				1 1/2	3/4	3/8	4	8	10	16	30	40	50	100			200	
		1.5	60			3	11	35				73	93		98	99	1	
						1	3	13				41	76		94	98	4	

Tested March, 1960

CORRELATION DATA
 GEOLOGICAL AGE _____ Recent _____ GEOLOGICAL SOURCE _____ Flood Plain
 MATERIAL SIMILAR TO material reported on SHC Form 619, Nos. 96-7 and 96-19 and on Lab. Sheet Nos. 10534 & 10530

REMARKS: Soundness 0.98
Specific Gravity 2.60
Weight/Cu.Ft. 110.96
L.o.A. Wear (Grading D) 34.5
Absorption 0.4%
Strength Ratio
 (1 Day) 1.39
 (3 Day) 1.41



STATE HIGHWAY COMMISSION OF KANSAS
MATERIAL SURVEY REPORT

SITE NO. SG+37 DATE May, 1964
Qa1
 MATERIAL Sand and Gravel COUNTY Sumner
 LOCATION E $\frac{1}{4}$ SEC. 1 & 12 TWP. 30S RANGE 1E
 OWNER E $\frac{1}{4}$, Sec. 1 A. P. Marrison & L. F. Pray Mulvane, Kansas
E $\frac{1}{4}$, Sec. 12 A. Ripple address Mulvane, Kansas
 name address
 NATURE OF DEPOSIT Wet ACCESSIBILITY Good
 STATUS OF SITE Open site, sampled

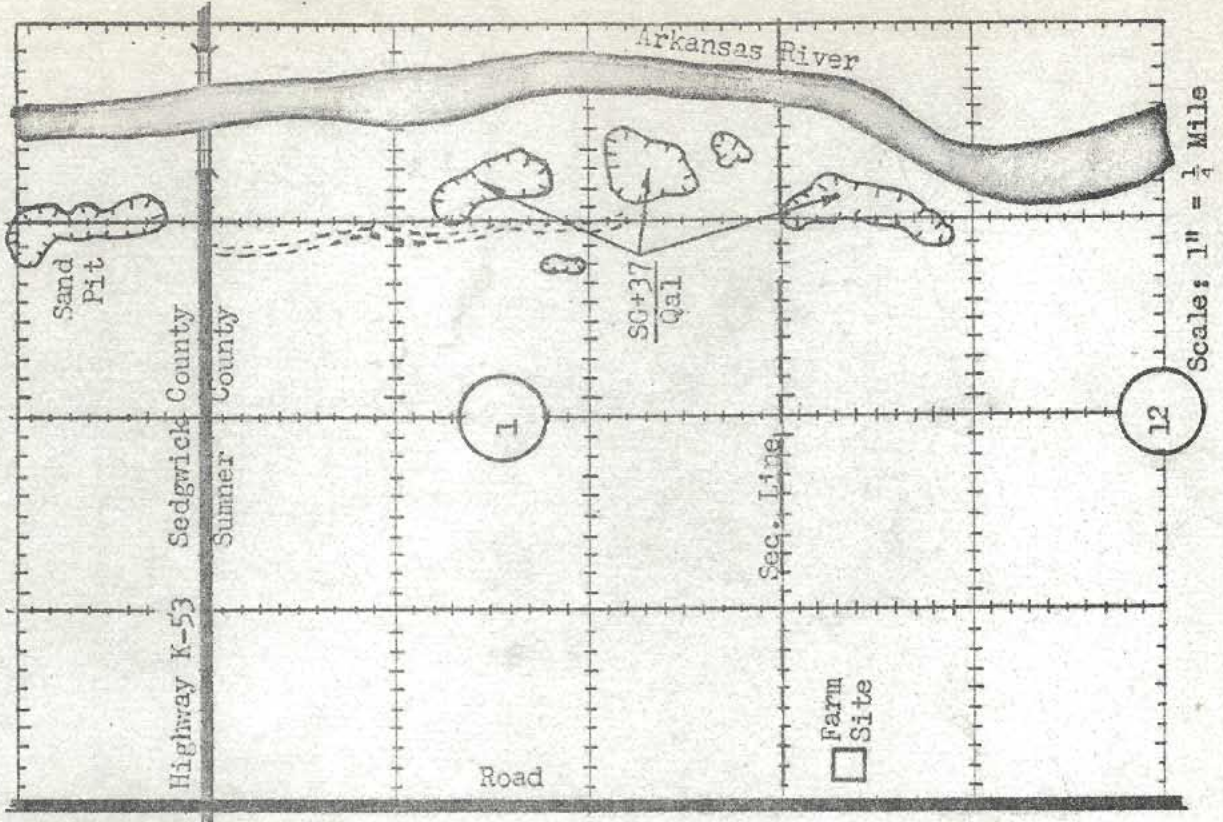
EXPLORATION DATA

Test hole	Material at Bottom of Hole	Depth of Over-burden	Depth of Materials Hole	Percent Retained										Wash	L.L.	P.L.				
				1 1/2	3/4	3/8	2	4	6	10	16	30	40				50	100	200	
	Lab. No.	25079				2	11	30		63	81				92	98		1		
	Lab. No.	24543				3	10	26		55	75				90	97		2		
	Lab. No.	100708				1	7	27		61	79				90	97		2		

Tested September, 1962

CORRELATION DATA

GEOLOGICAL AGE Recent GEOLOGICAL SOURCE Flood Plain
 MATERIAL SIMILAR TO material reported on SHC Lab Sheet Nos. 25079 24543 100708
 REMARKS: Soundness 0.98 2.60 0.95 0.98
Specific Gravity 2.60 2.60 2.60 2.60
Weight/Cu. Ft. 116.47 115.02 114.7
L. A. Wear (Grading D) 33.4 33.8 32.6
Absorption 0.5% 0.5% 0.3%
Strength Ratio (1 Day) 1.57 1.30 1.41
(3 Day) 1.50 1.36 1.36



STATE HIGHWAY COMMISSION OF KANSAS

MATERIAL SURVEY REPORT

SG-39

SITE NO. QKI DATE May, 1964
 MATERIAL Sand and Gravel COUNTY Sumner
 LOCATION NW 1/4 SEC. 25 TWP. 32S RANGE 1W
 OWNER Thomas R. Reneau Rt. 1 Wellington, Kansas
 address address
 TENANT _____
 NATURE OF DEPOSIT Dry ACCESSIBILITY Good
 STATUS OF SITE Open site; sampled

EXPLORATION DATA

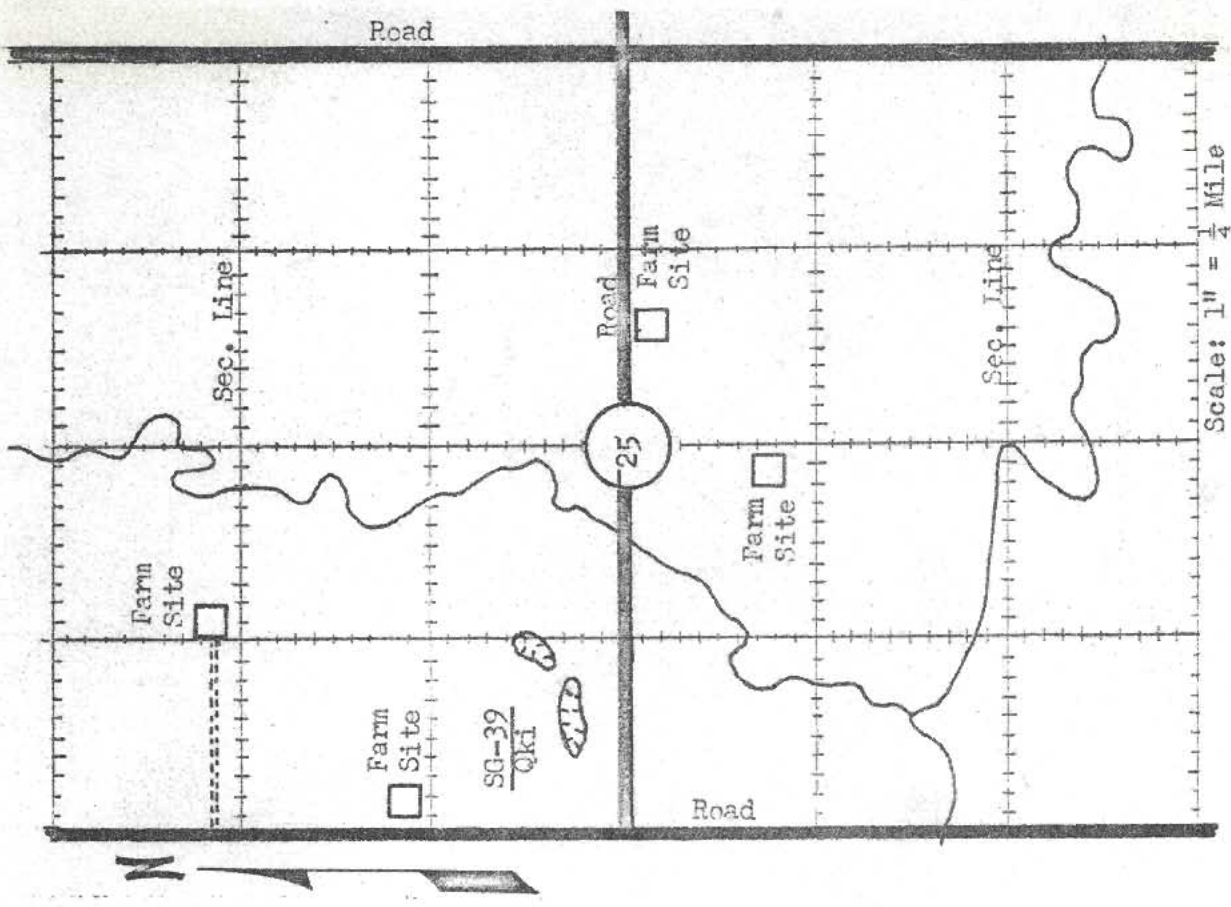
Test Hole	Material of Bottom of Hole	Depth of Overburden	Depth of Materials Hole	Percut Related											Wash	PI.	
				1/2	3/4	1	5/8	4	8	10	16	30	40	50			100
Average		4	8	1	5	11	19	24	33	58	68	81	86	11	22	9	

Tested February, 1954

CORRELATION DATA

GEOLOGICAL AGE Pleistocene GEOLOGICAL SOURCE High terrace
 MATERIAL SIMILAR TO material reported on SHC form 619 No. 96-9 and
 SHC Lab. Sheet Nos. 81949 and 82087.

REMARKS: _____



STATE HIGHWAY COMMISSION OF KANSAS
MATERIAL SURVEY REPORT

SITE NO. SG+40 DATE May, 1964
 MATERIAL Sand and Gravel COUNTY Summer
 LOCATION NW 1/4 SEC. 22 TWP. 34S RANGE 2W
 OWNER Quem Allen address 723 S. Washington Wellington, Ks.
 TENANT _____ name _____ address _____
 NATURE OF DEPOSIT Wet ACCESSIBILITY Good
 STATUS OF SITE Open site; sampled

EXPLORATION DATA

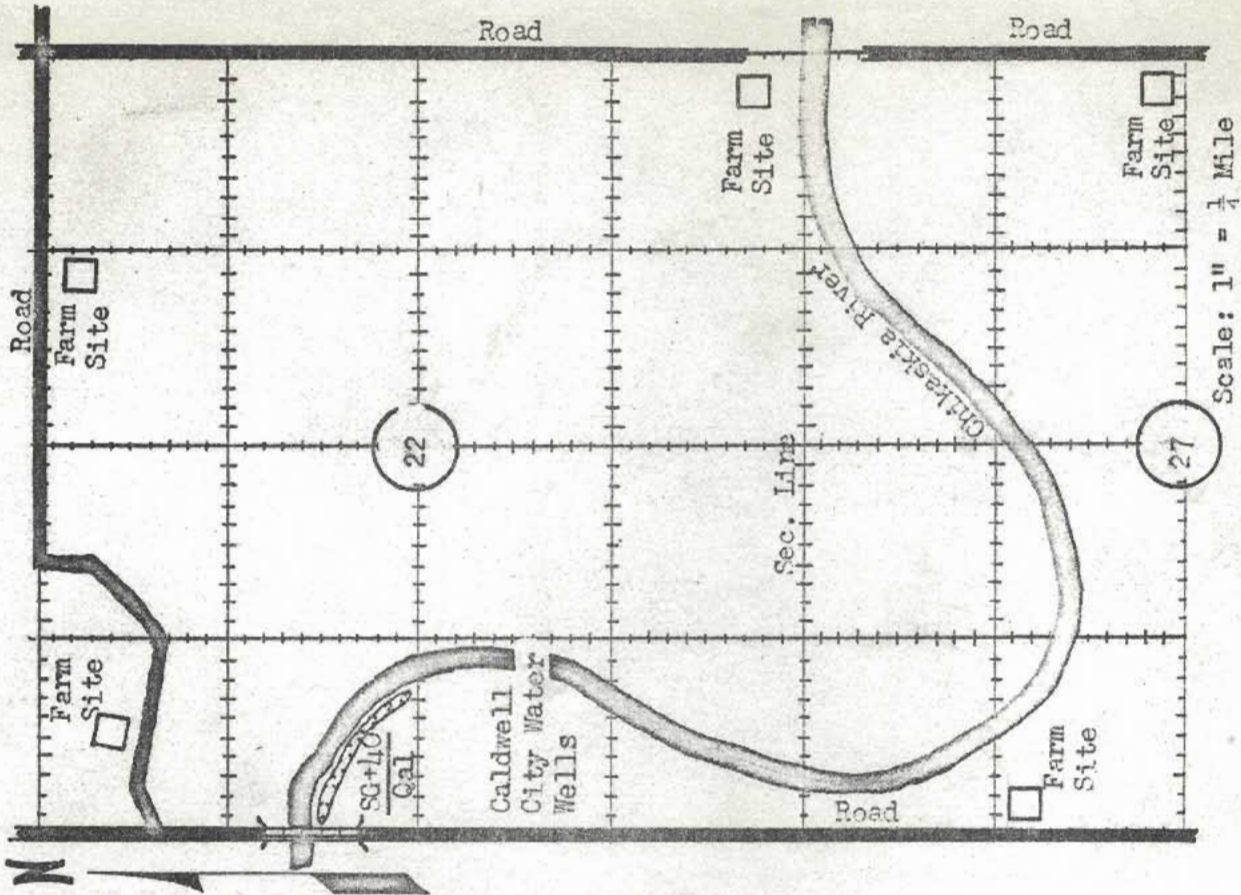
Test Hole	Material at Bottom of Hole	Depth of Overburden	Depth of Materials Hole	Depth of Hole	Percent Retained								Wash 200 L.L. P.			
					1 1/2	3/4	2	3/8	4	8	10	16		30	40	50
	Lab. No.	2734						2	4	11	26	57	85	91	9	
	Lab. No.	26788						2	4	8	19	55	93	97	3	
	Lab. No.	28060						3	3	5	12	28	72	95	97	3

Tested May, 1963

CORRELATION DATA

GEOLOGICAL AGE Recent GEOLOGICAL SOURCE Flood Plain
 MATERIAL SIMILAR TO material reported on SHC Lab Sheet Nos.
 2734 26788 28060
 REMARKS: Soundness 0.98 0.86
Specific Gravity 2.58 2.54
Weight/Cu. Ft. 101.0 105.29 105.69
L.A. Wear (Grading D) 35.2 33.9
Absorption 1.42% 1.44% 1.14%

Strength Ratio
{ 1 Day } 0.91
{ 3 Day } 1.14



STATE HIGHWAY COMMISSION OF KANSAS

MATERIAL SURVEY REPORT

SITE NO. SG-142
Okla DATE May, 1961
 MATERIAL Sand and Gravel COUNTY Sumner
 LOCATION NW 1/4 SEC. 15 TWP. 33S RANGE 2W
 OWNER Ralph Krisely Rt. 4 Wellington, Kansas
 name address
 TENANT _____ address _____
 NATURE OF DEPOSIT Dry ACCESSIBILITY Good
 STATUS OF SITE Open site; sampled

EXPLORATION DATA

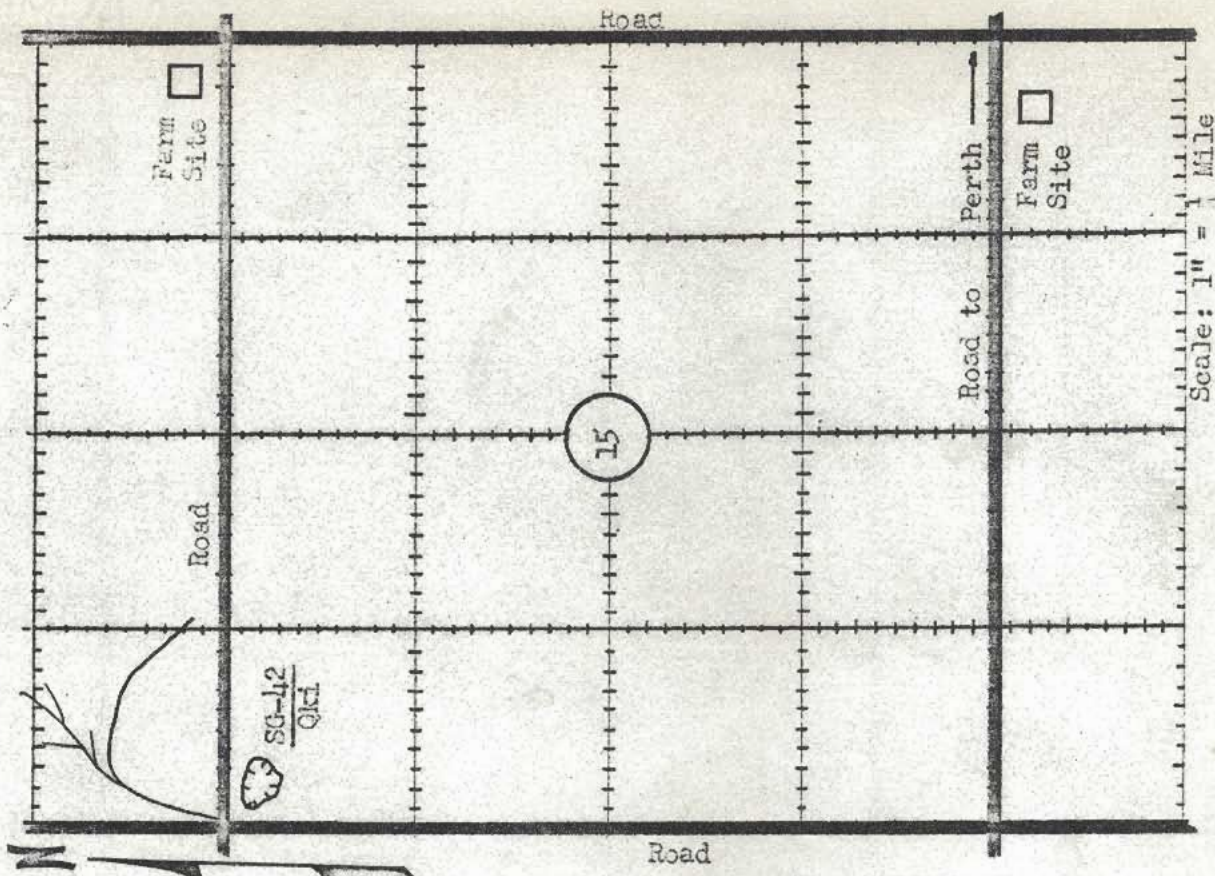
Test Hole Bottom of Hole	Material at Bottom of Hole	Depth of Over-burden	Depth of Materials Hole	Percent Retained								Wash 200	L.L	P.I		
				1/2	3/4	1	2	4	8	10	16				30	40
Lab. No. 30827						1	2	8	20	40	67	82	86	13		

Tested September, 1963

CORRELATION DATA

GEOLOGICAL AGE Pleistocene GEOLOGICAL SOURCE High terrace
 MATERIAL SIMILAR TO material reported on SHC Lab Sheet No. 30827

REMARKS: Soundness 0.99
Specific Gravity 2.55
Weight/Cu.Ft. 98.83
L.A. Wear (Grading D) 38.2
Absorption 1.7%



STATE HIGHWAY COMMISSION OF KANSAS
MATERIAL SURVEY REPORT

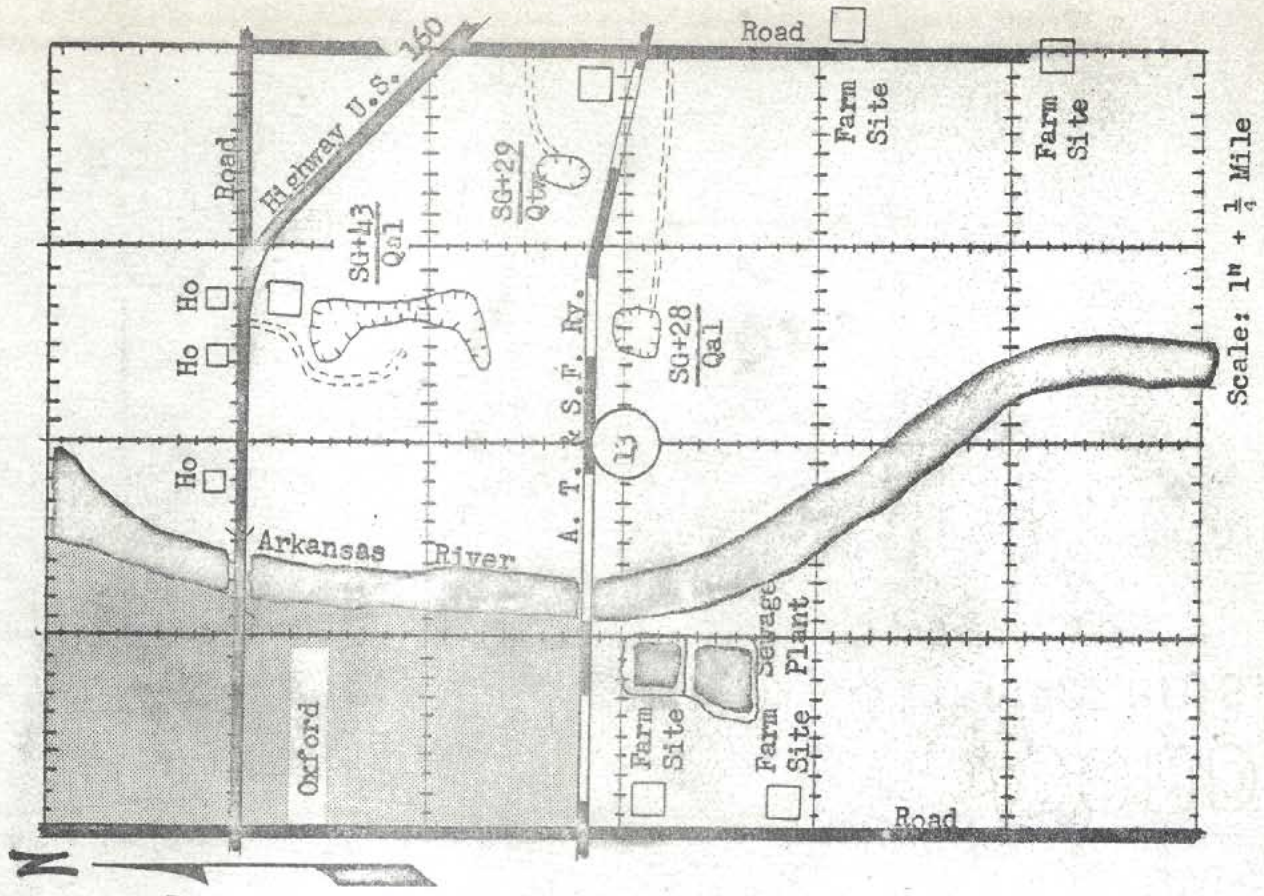
SITE NO. SG+43 / Qa1 DATE May, 1964
 MATERIAL Sand and Gravel COUNTY Summer
 LOCATION NE 1/4 SEC. 13 TWP. 32S RANGE 2E
 OWNER J. L. Cooper address Oxford, Kansas
 TENANT _____ address _____
 NATURE OF DEPOSIT Wet ACCESSIBILITY Good
 STATUS OF SITE Open site; sampled

Test Hole	Material at Bottom of Hole	Depth of Overburden	Depth of Materials	Depth of Hole	EXPLORATION DATA						Wash 200	PI				
					Percent Retained											
					1/2	3/4	7/8	4	8	10	16	30	40	50	100	200
	Lab. No. 96195				0	7	18	31	52	73	89	96				
					Gradation Factor 3.66											

Tested December, 1956

CORRELATION DATA
 GEOLOGICAL AGE Recent GEOLOGICAL SOURCE Flood Plain
 MATERIAL SIMILAR TO Material reported on SHC Lab. Sheet No. 96195

REMARKS: Soundness 0.99
Specific Gravity 2.62
Weight/Cu.Ft. 114.4
L. A. Wear (Grading D) 32.2
Absorption 0.3%
Strength Ratio (1 Day) 1.67 (3 Day) 1.46



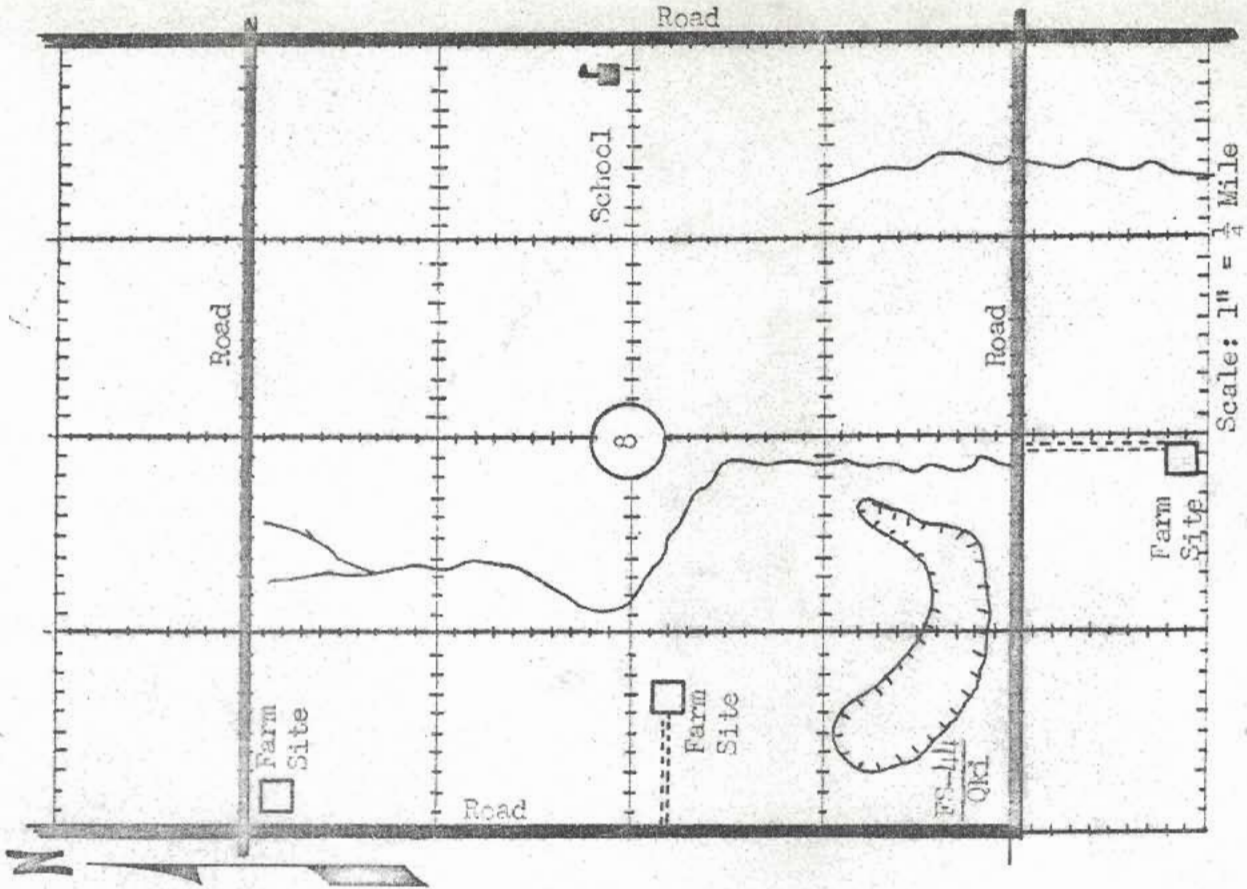
STATE HIGHWAY COMMISSION OF KANSAS
MATERIAL SURVEY REPORT

SITE NO. FS-114 Okla DATE May, 1964
 MATERIAL Fine Sand COUNTY Summer
 LOCATION SW $\frac{1}{4}$ SEC. 8 TWP. 35S RANGE 2W
 OWNER Milton R. Green RR2 Caldwell, Kansas
 TENANT _____ address _____
 NATURE OF DEPOSIT Dry ACCESSIBILITY Good
 STATUS OF SITE Open site; sampled

Test Hole	Material at Bottom of Hole	Depth of Overburden	Depth of Molerible Hole	EXPLORATION DATA											
				Percent Retained											
Lab. No.		1 1/2	3/4	3/8	4	8	10	16	30	40	50	100	200	Wash	P.L.
2736					1	1	1	1	1	1	19	87	6		

Tested August, 1958

CORRELATION DATA
 GEOLOGICAL AGE Pleistocene GEOLOGICAL SOURCE High terrace
 MATERIAL SIMILAR TO material reported on SHC Lab Sheets 2736 and 2734
 REMARKS: Soundness 0.98
 Specific Gravity 2.58
 Weight/Cu.Ft. 101.0
 L.A. Wear (Grading D) 35.2
 Absorption 1.12%
 Strength Ratio (1 Day) 0.91 (3 Day) 1.14



STATE HIGHWAY COMMISSION OF KANSAS
MATERIAL SURVEY REPORT

SITE NO. SG-45
OKI

MATERIAL Sand and Gravel

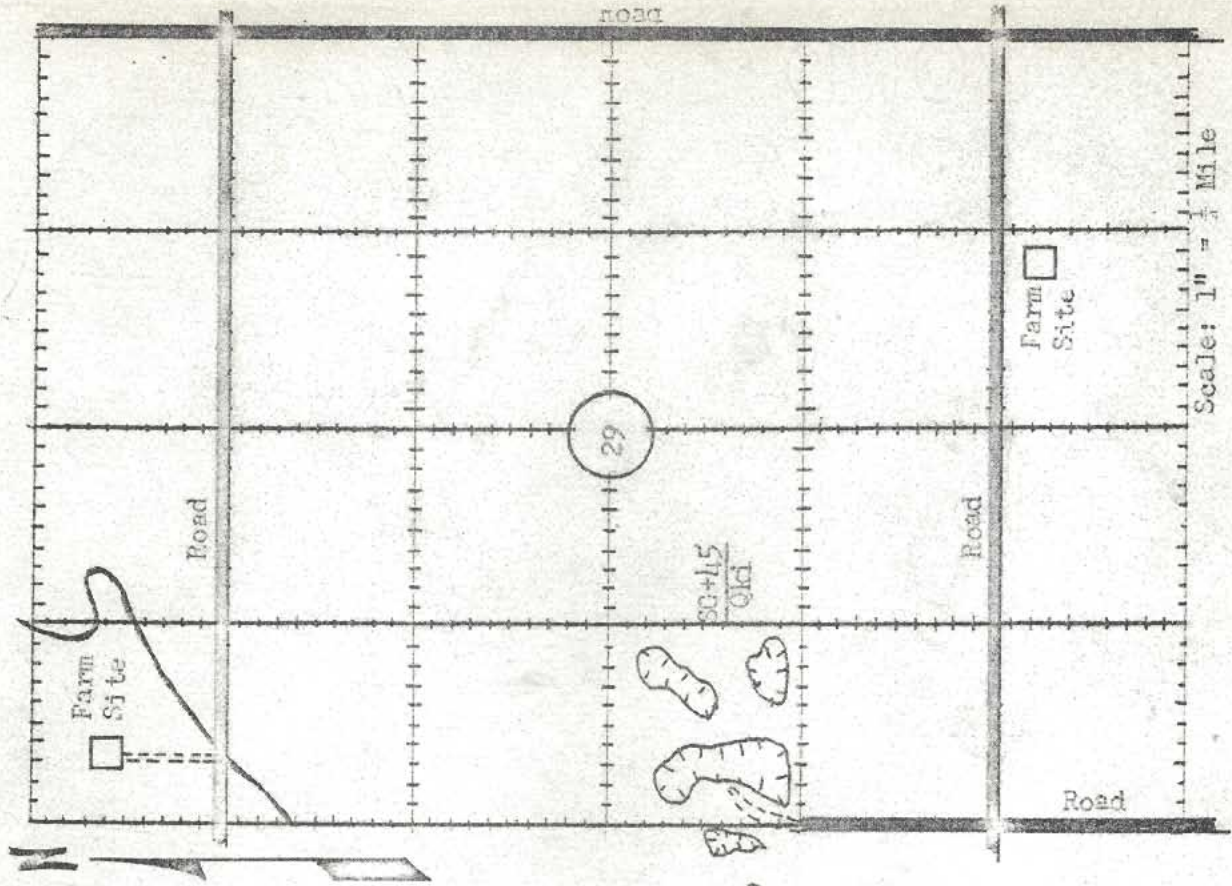
LOCATION N₁, SW₄ DATE May, 1964 COUNTY Summer

OWNER Carl and Martin Kern SEC. 29 TWP. 33S RANGE 2W

TENANT _____ address _____

NATURE OF DEPOSIT Dry ACCESSIBILITY Good

STATUS OF SITE Open site; sampled



EXPLORATION DATA

Material of Bottom of Hole	Depth of Over-burden	Depth of Molerible Hole	Percent Retained															
			1/2	3/4	7/8	4	8	10	16	30	40	50	100	200	U.S. # 10	Pt.		
Average			2	5	10	21			42	74				93	98	6	19	5

Tested January, 1959

CORRELATION DATA

GEOLOGICAL AGE Pleistocene GEOLOGICAL SOURCE High terrace

MATERIAL SIMILAR TO material reported on SHC Form 619 No. 96-18

REMARKS: Soundness 0.99

Specific Gravity 2.60

Weight/Cu.Ft. 111.9

L. A. Wear (Grading D) 31.4

Absorption 0.6%

Strength Ratio (1 Day) 1.38 (3 Day) 1.31

APPENDIX III

The following site data forms are designated as "prospective site; sampled." The sites described herein are depicted on the county materials map as a "▼".

LEGEND



This symbol on the site data form represents a prospective site; sampled.

STATE HIGHWAY COMMISSION OF KANSAS
MATERIAL SURVEY REPORT

S-416
On

SITE NO. _____ DATE May, 1964

MATERIAL Sand COUNTY Summer

LOCATION NW $\frac{1}{4}$ SEC. 4 TWP. 31S RANGE 3W

OWNER W. F. Riggs R.R. 2 Conway Springs, Kan.
name address

TENANT _____ name address

NATURE OF DEPOSIT Dry ACCESSIBILITY Good

STATUS OF SITE Prospective site; sampled

Test Hole	Material at Bottom of Hole	Depth of Overburden	Depth of Material in Hole	EXPLORATION DATA														
				Percent Retained														
Average	1	3.5	1	1/2	3/4	7/8	4	8	16	30	40	60	100	200	Wash	L.L	P.L	

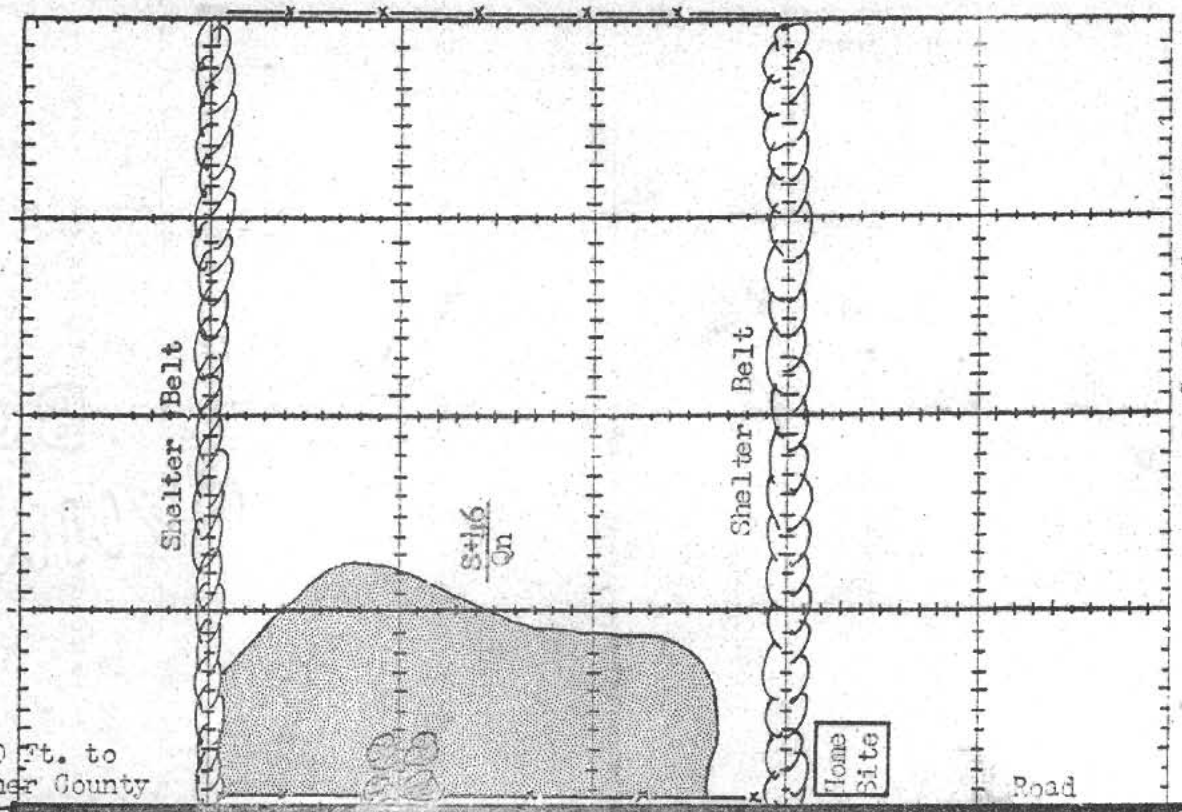
CORRELATION DATA

GEOLOGICAL AGE Pleistocene GEOLOGICAL SOURCE High terrace

MATERIAL SIMILAR TO material reported on SHC Form 619, No. 96-12

REMARKS: _____

1700 ft. to
Summer County
Road No. 12



STATE HIGHWAY COMMISSION OF KANSAS
MATERIAL SURVEY REPORT

SITE NO. MF-48
Qal

MATERIAL Mineral Filler

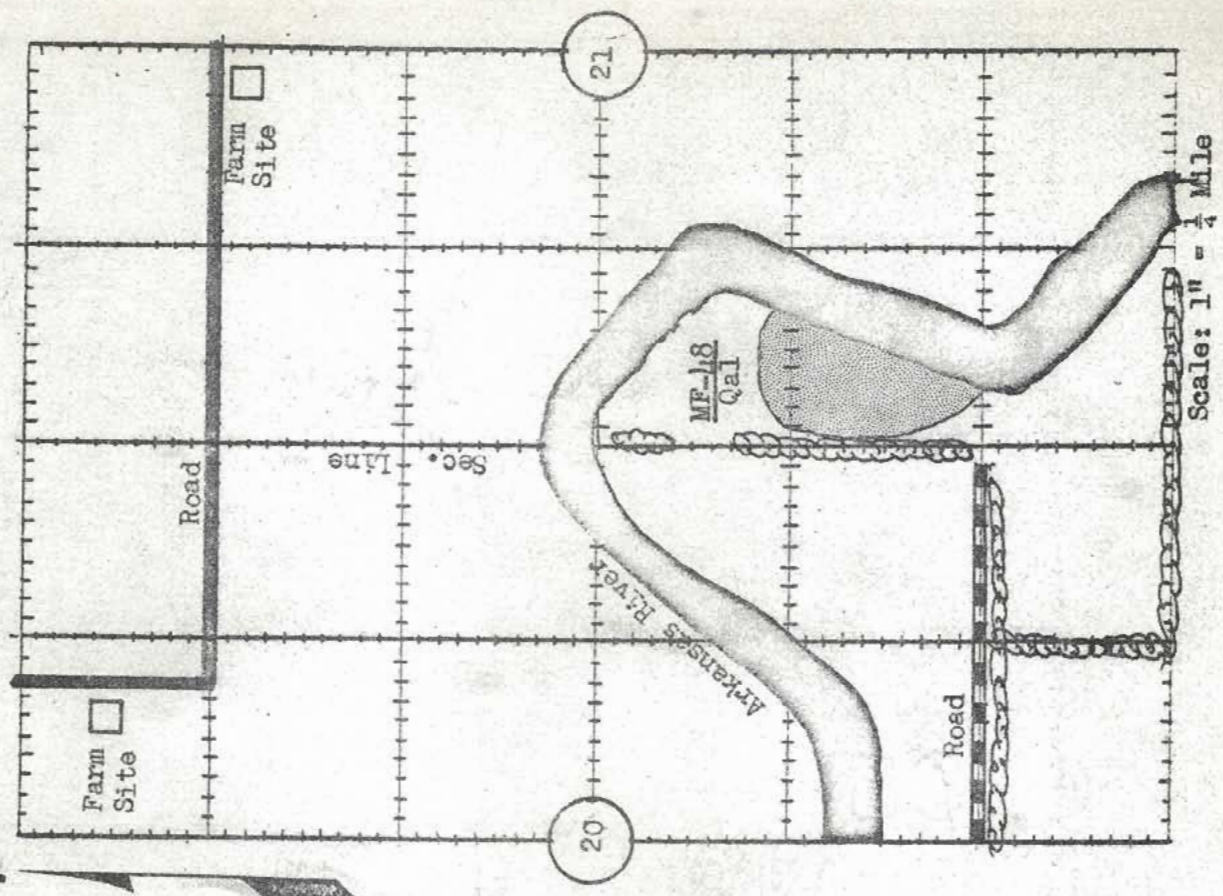
LOCATION SW $\frac{1}{4}$ SEC. 21 TWP. 30S RANGE 2E

OWNER E. N. Bishop
name address

TENANT _____ address _____

NATURE OF DEPOSIT Dry ACCESSIBILITY Fair

STATUS OF SITE Prospective site; sampled



EXPLORATION DATA

Test Hole	Material of Bottom of Hole	Depth of Overburden	Depth of Material Hole	Percent Retained																	
				1 1/2	3/4	3/8	4	8	10	16	30	40	50	100	200	Wash	P.I.				
Average												1	2	5	11	81	25	3			

CORRELATION DATA

GEOLOGICAL AGE Recent GEOLOGICAL SOURCE Flood Plain

MATERIAL SIMILAR TO material reported on SHC Form 619 No. 96-17

REMARKS: _____

STATE HIGHWAY COMMISSION OF KANSAS
MATERIAL SURVEY REPORT

SITE NO. S-119 DATE May, 1964
On
 MATERIAL Sand and Gravel COUNTY Sumner
 LOCATION NW 1/4 (30 Acres) SEC. 4 TWP. 31S RANGE 3W
 OWNER Leo Ebencamp Conway Springs, Kansas
 name address
 TENANT _____ address _____
 NATURE OF DEPOSIT Dry ACCESSIBILITY Good
 STATUS OF SITE Prospective site; sampled

EXPLORATION DATA

Test Hole	Material at Bottom of Hole	Depth of Overburden	Depth of Material Hole	Percent Retained											Wash	L.L.	P.I.
				1 1/2	3/4	3/8	4	8	10	16	30	40	50	100			
Average		1	4		T	1	4	11	23	42	70	78	21	25	13		

CORRELATION DATA

GEOLOGICAL AGE Pleistocene GEOLOGICAL SOURCE High terrace
 MATERIAL SIMILAR TO material reported on SHC Form 619, No. 96-11

REMARKS: _____

